

Supporting Information

High-potency phenylquinoxalinone CFTR activators

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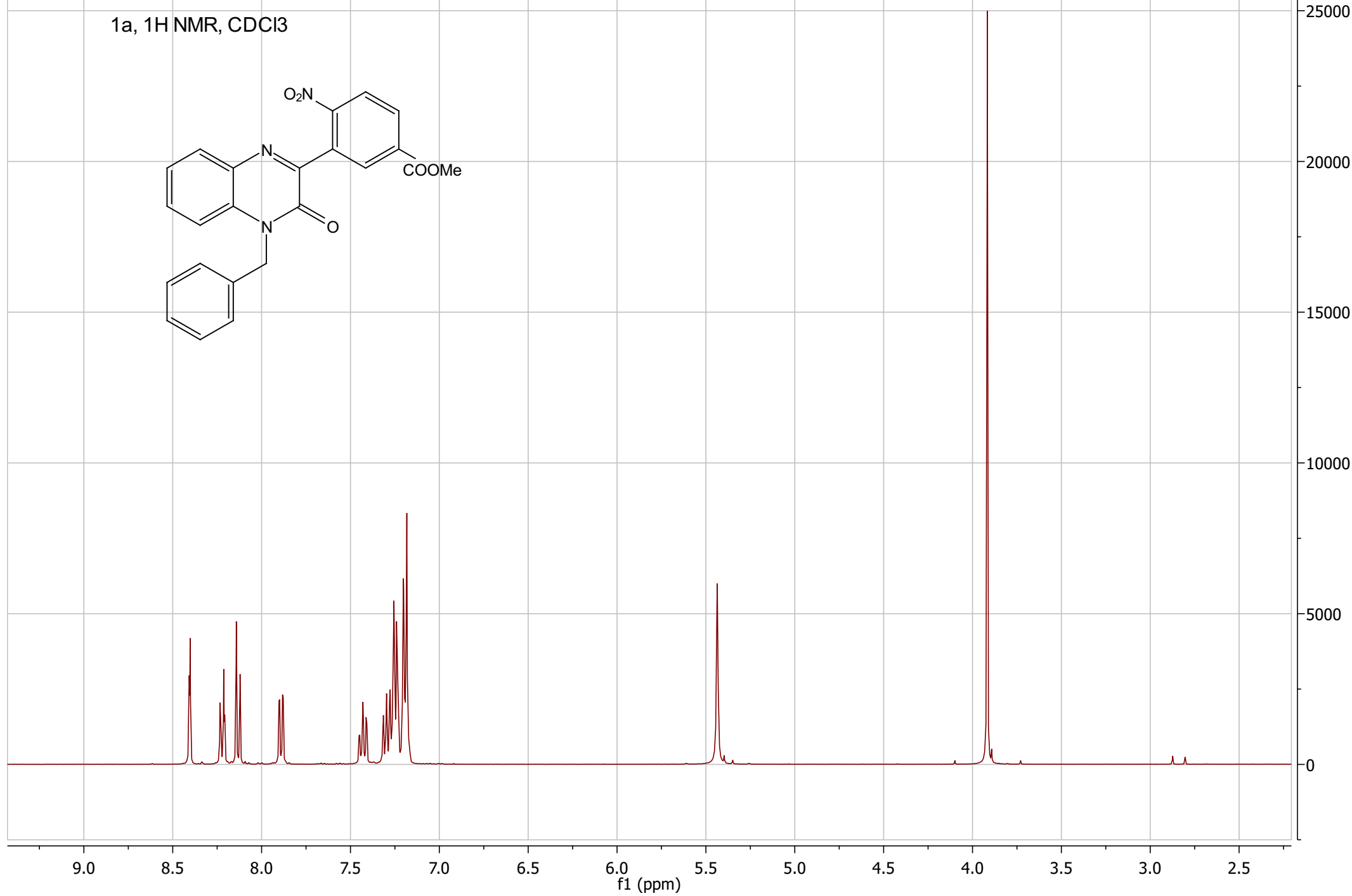
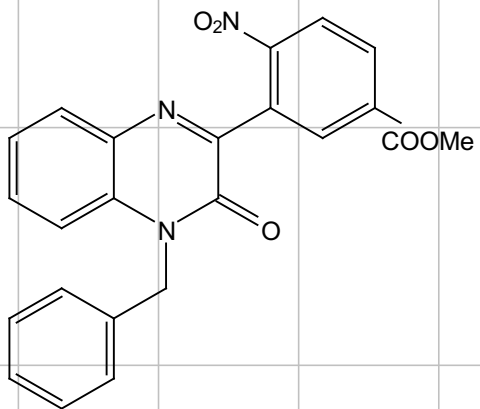
[‡]Departments of Medicine & Physiology, University of California San Francisco, CA 94143, USA

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¹H and ¹³C NMR spectra for assayed compounds (pgs S2 - S73)

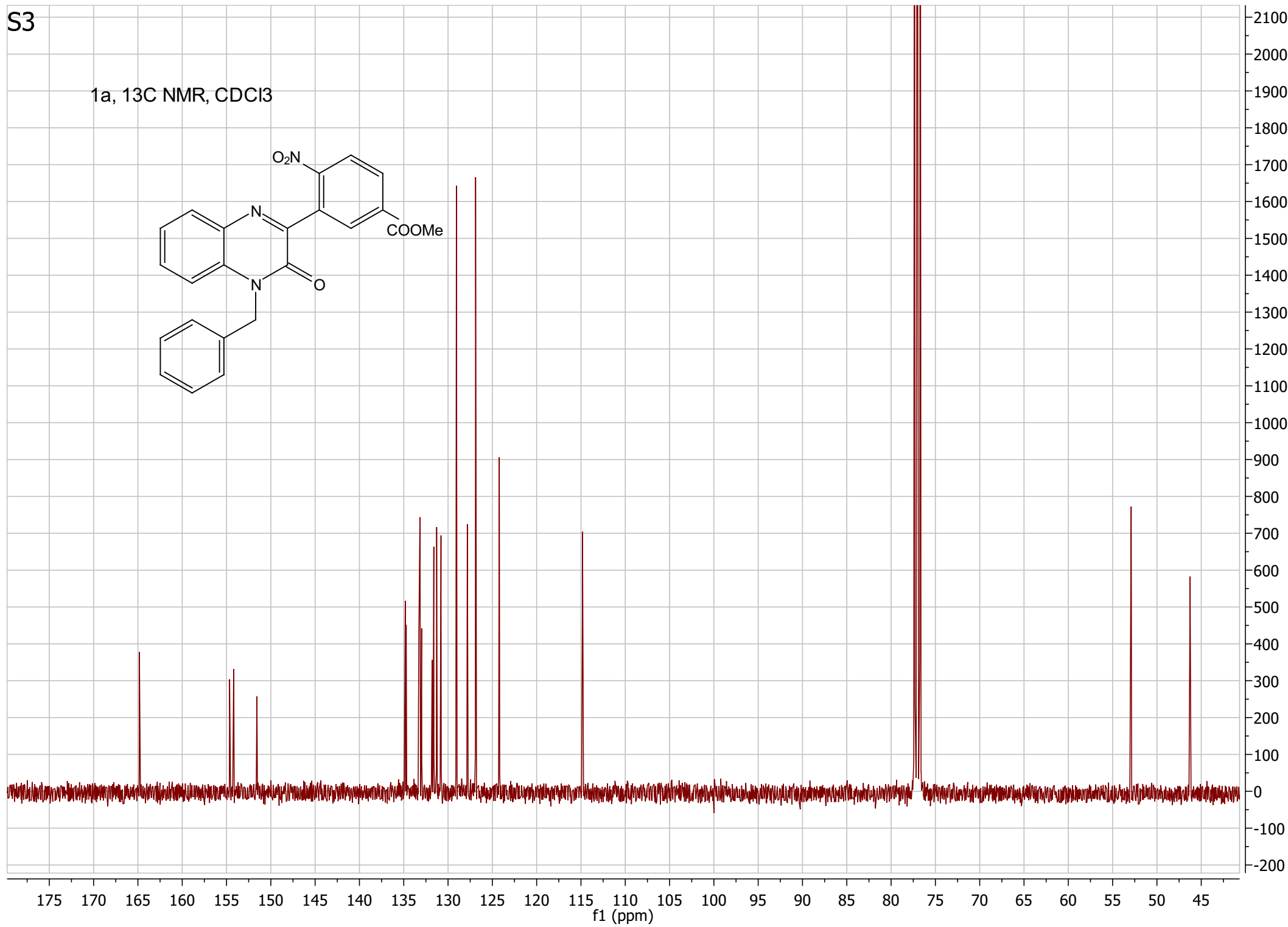
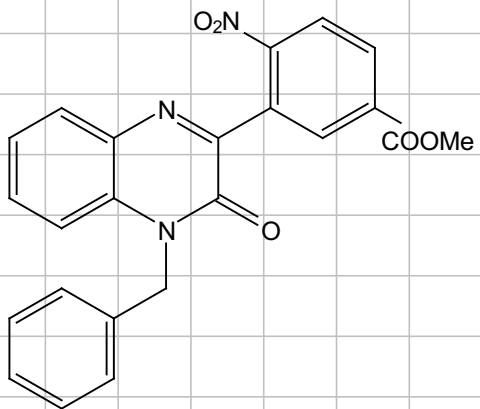
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1a, ¹H NMR, CDCl₃



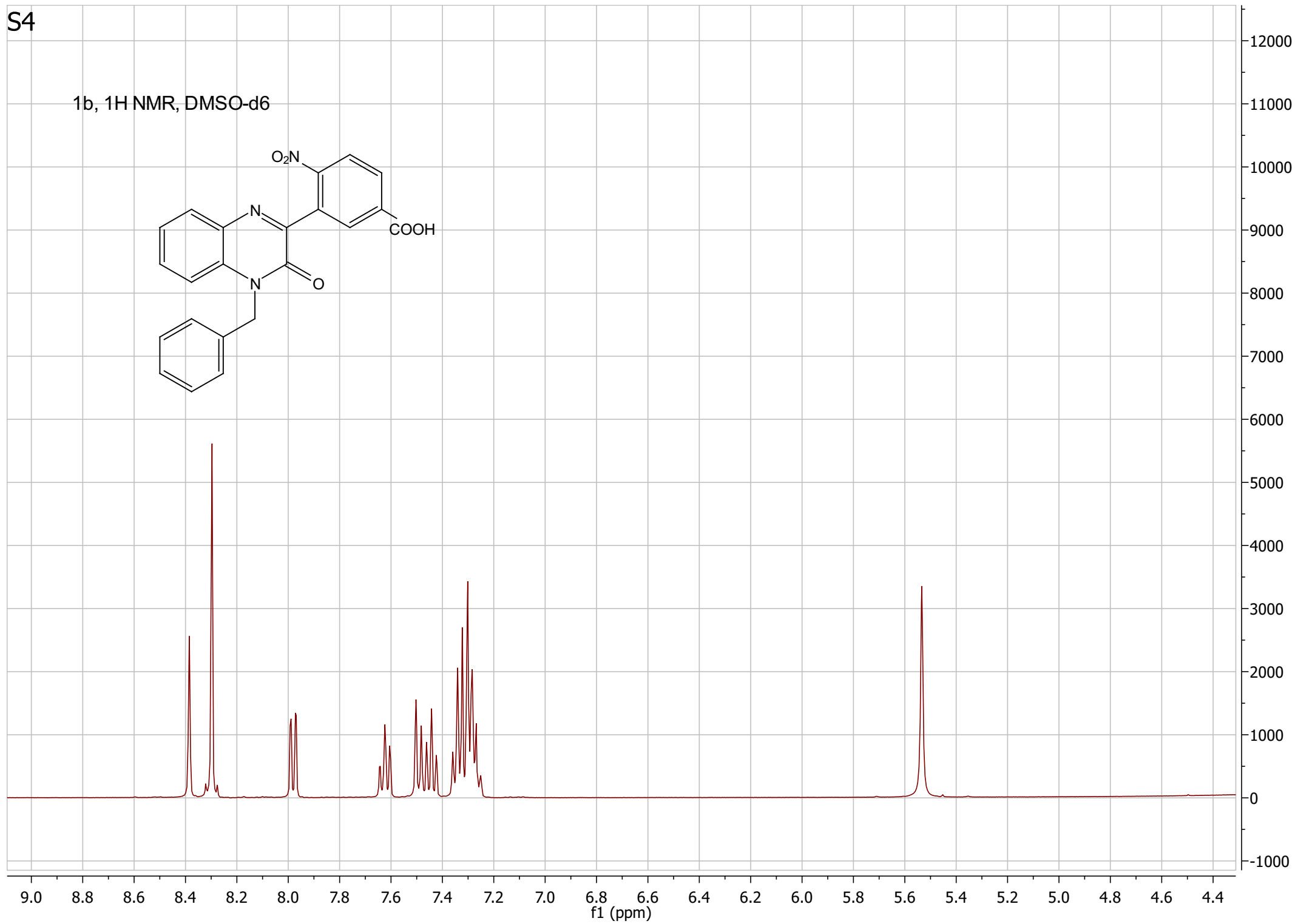
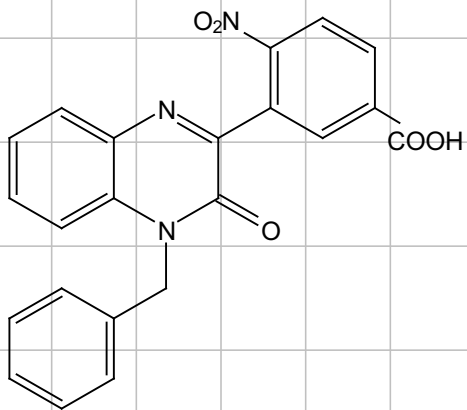
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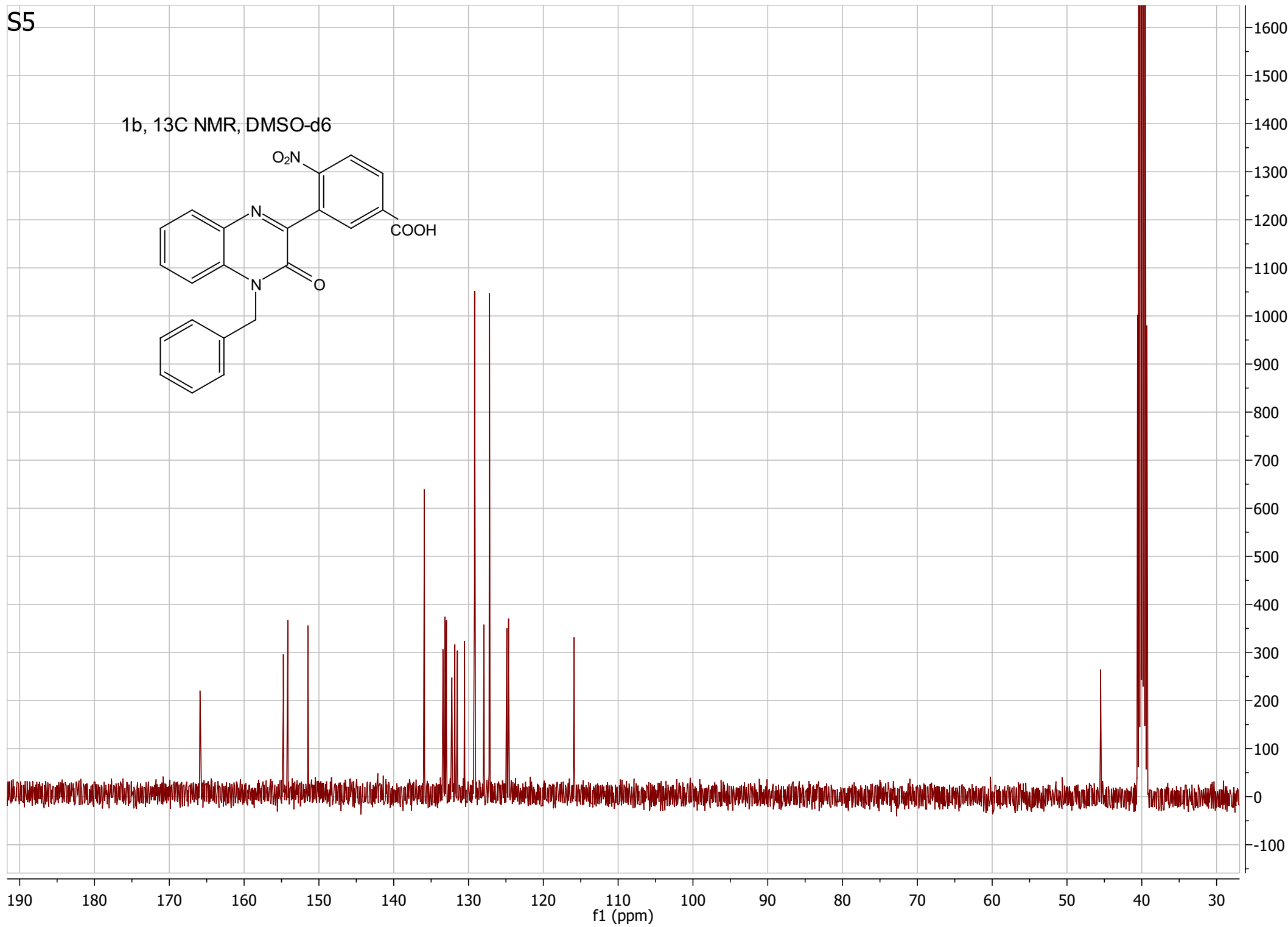
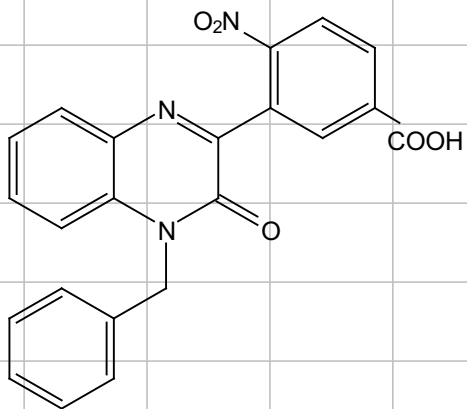
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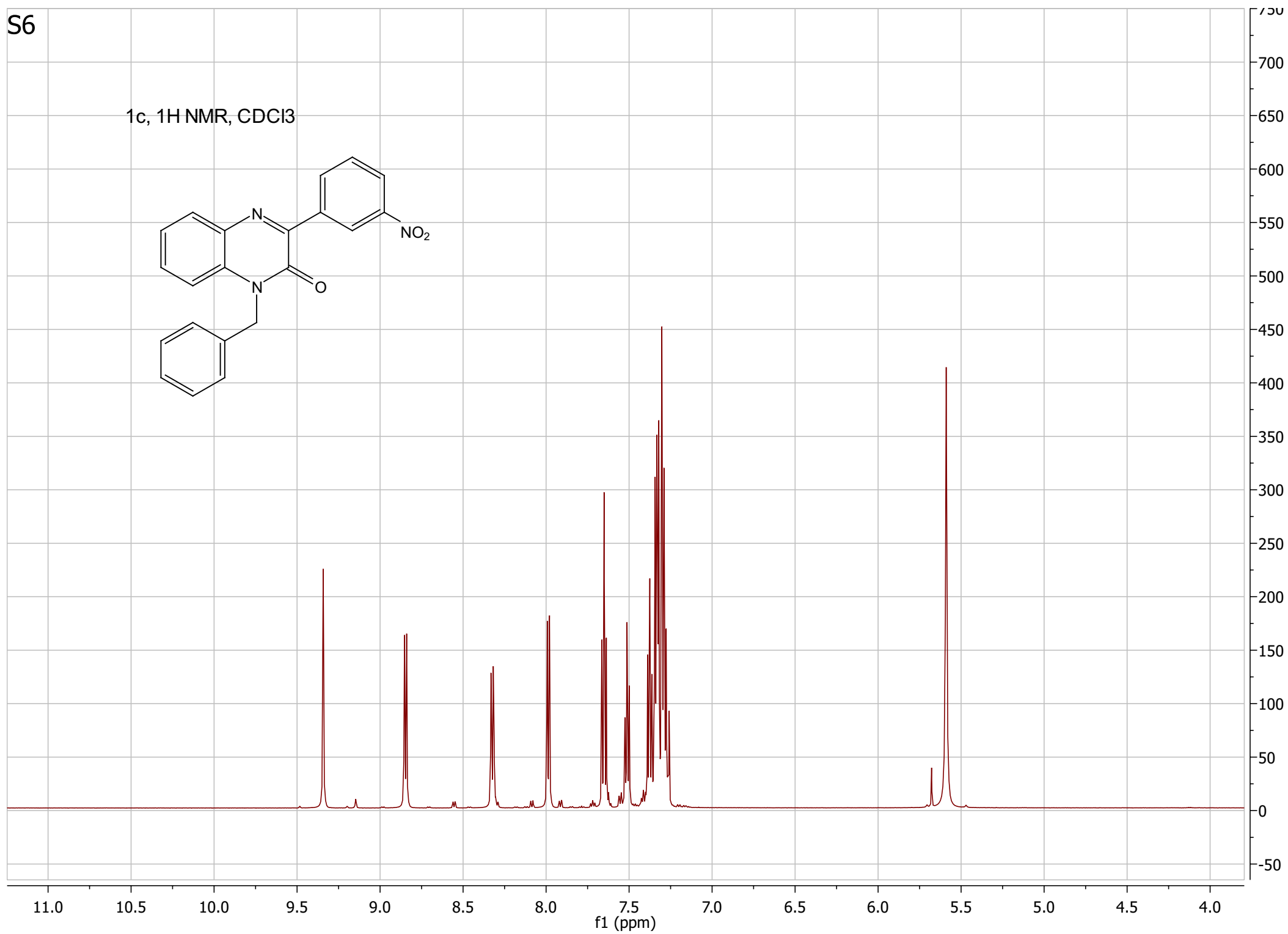
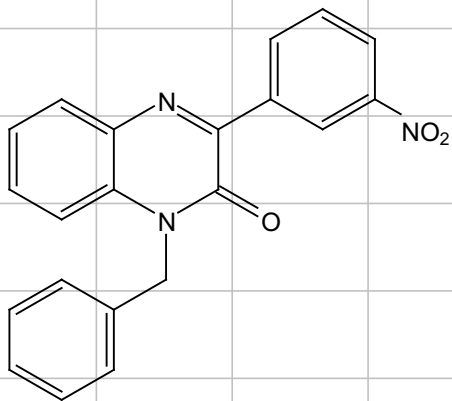
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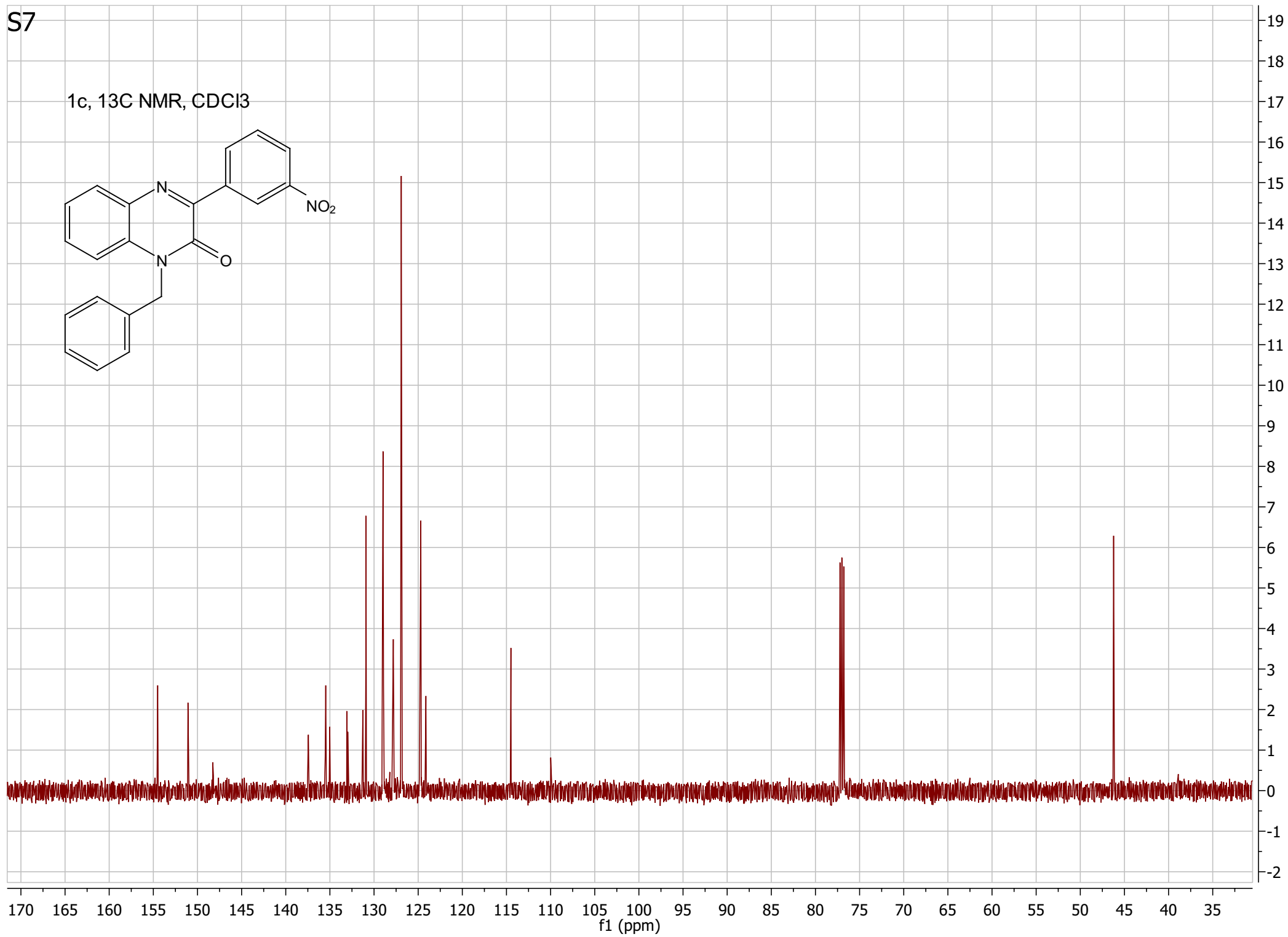
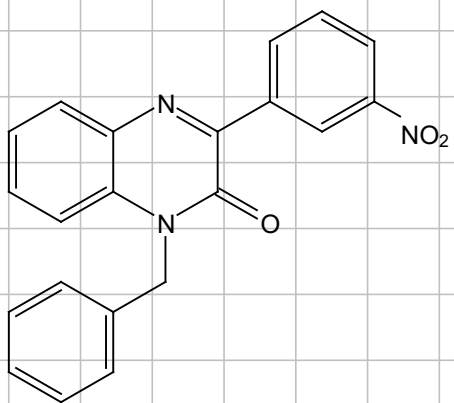
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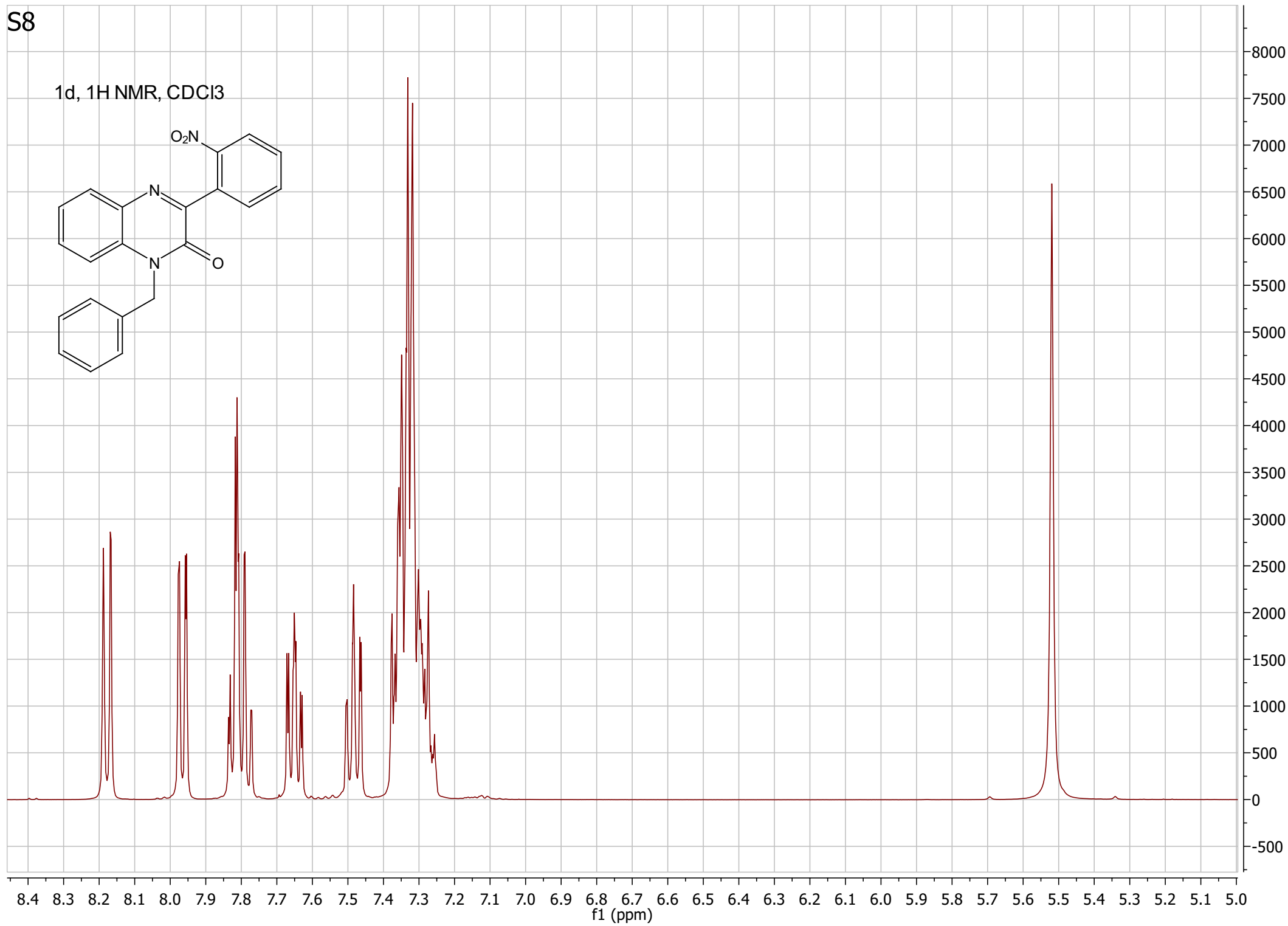
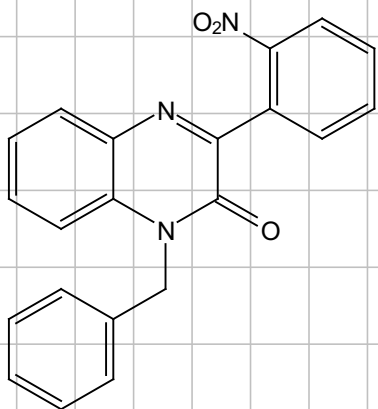
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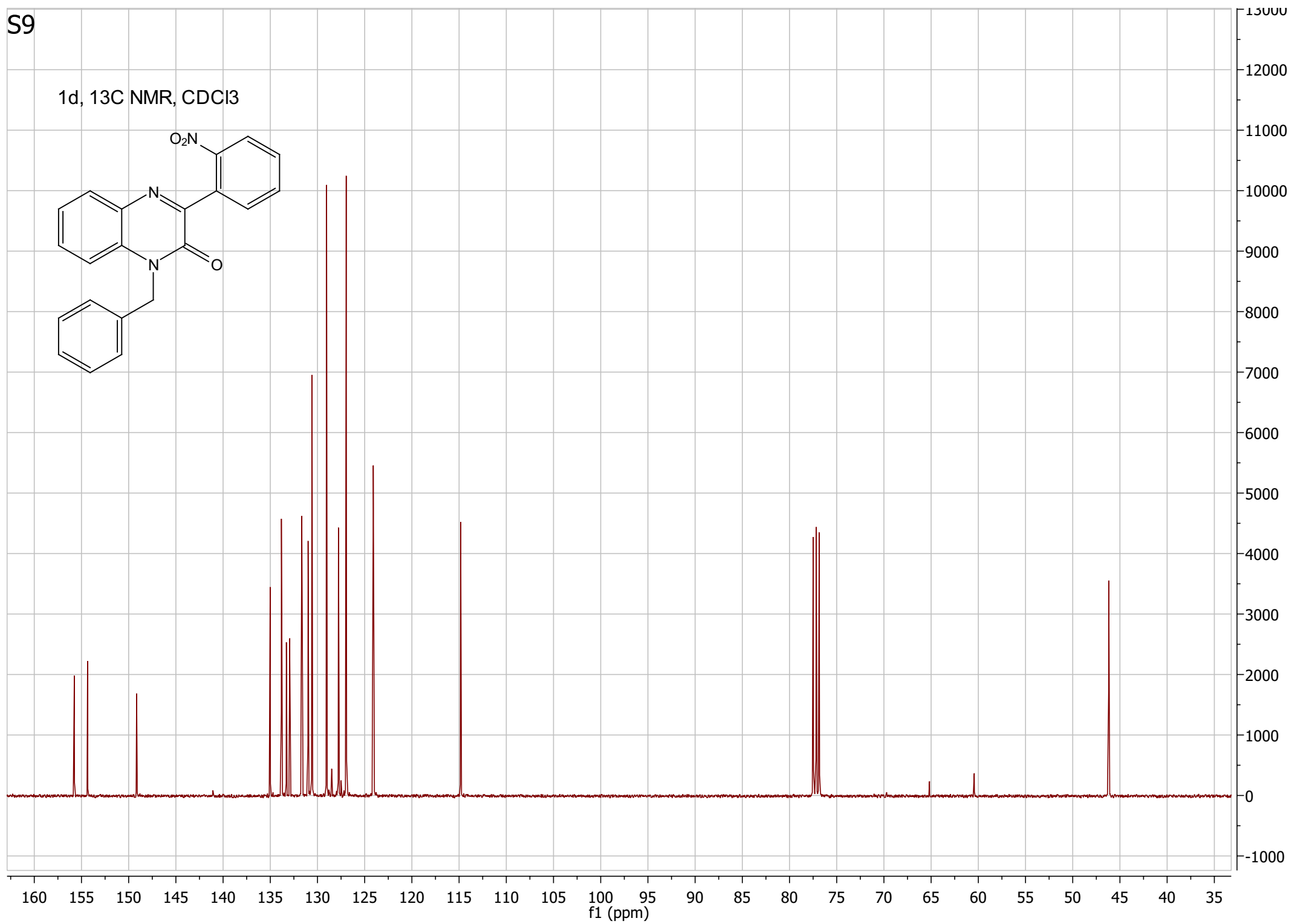
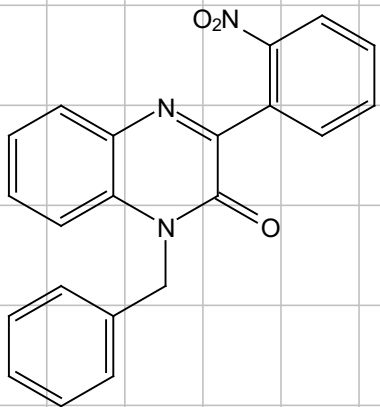
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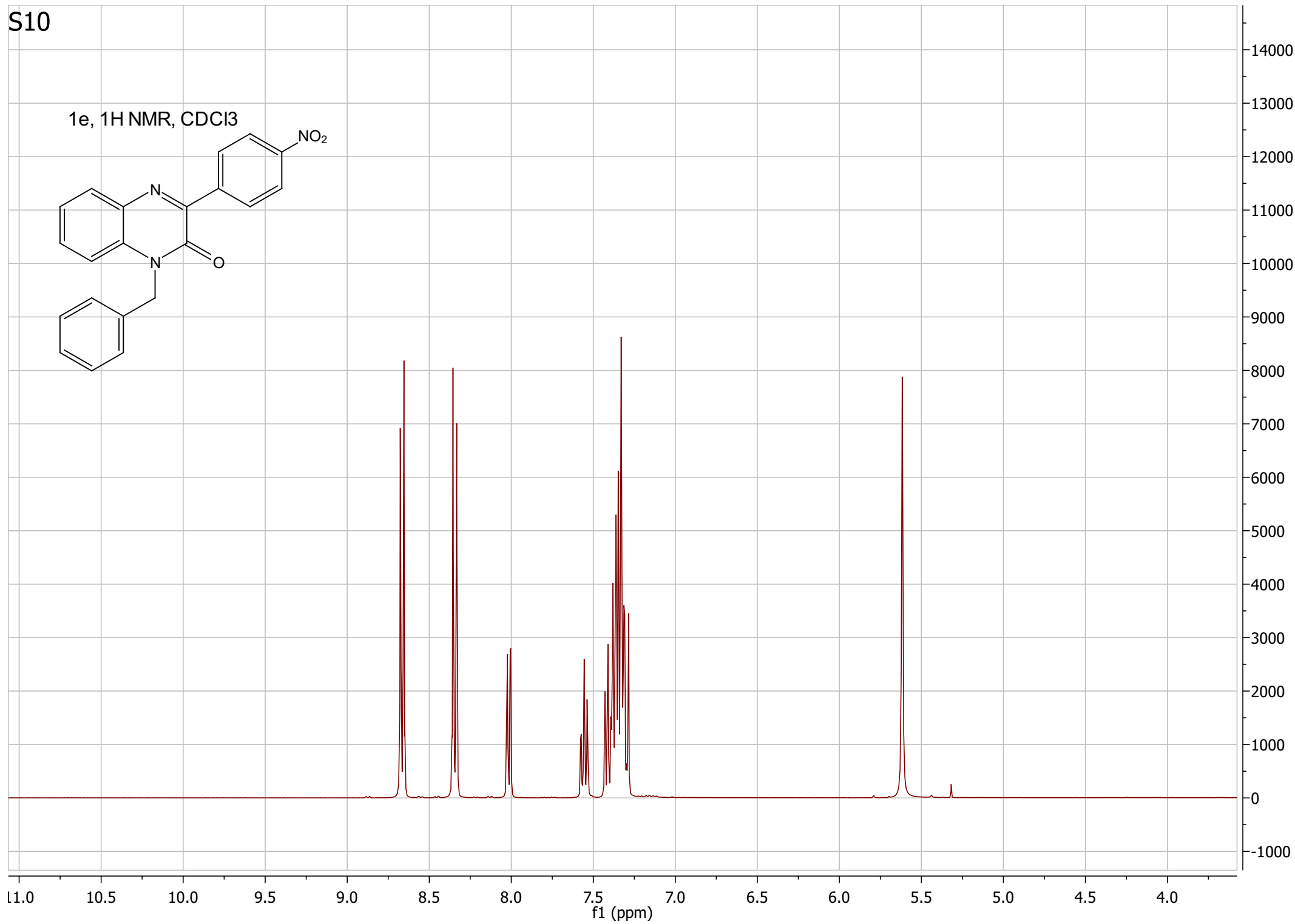
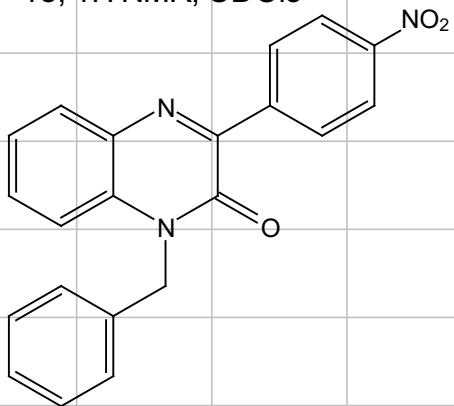
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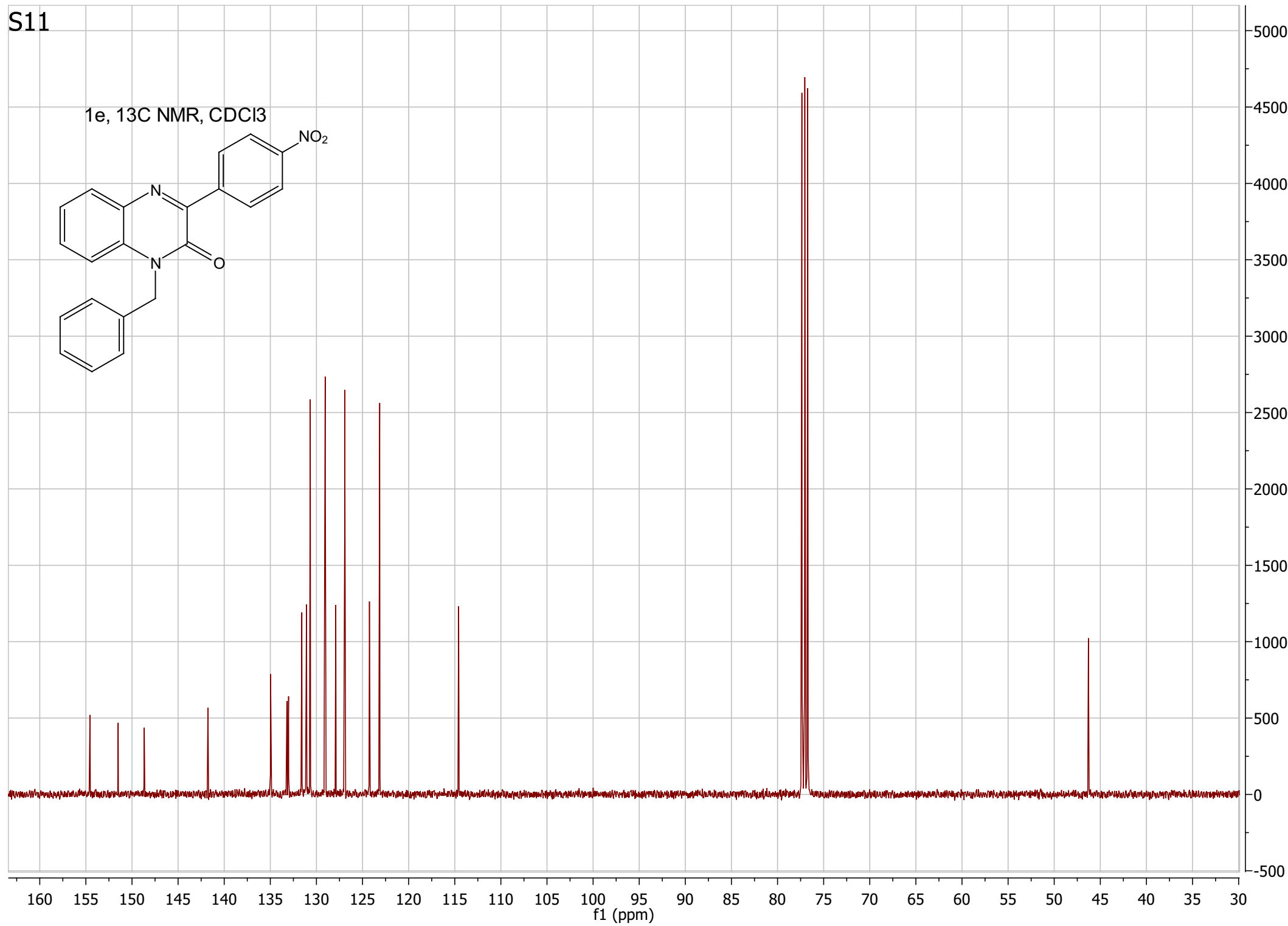
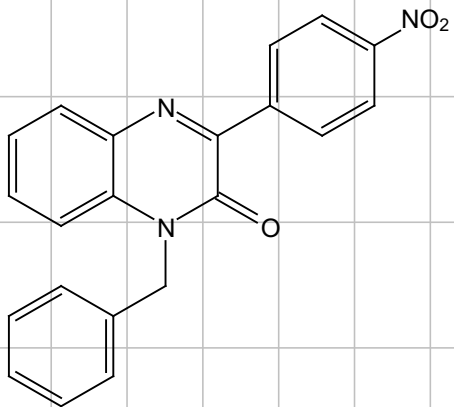
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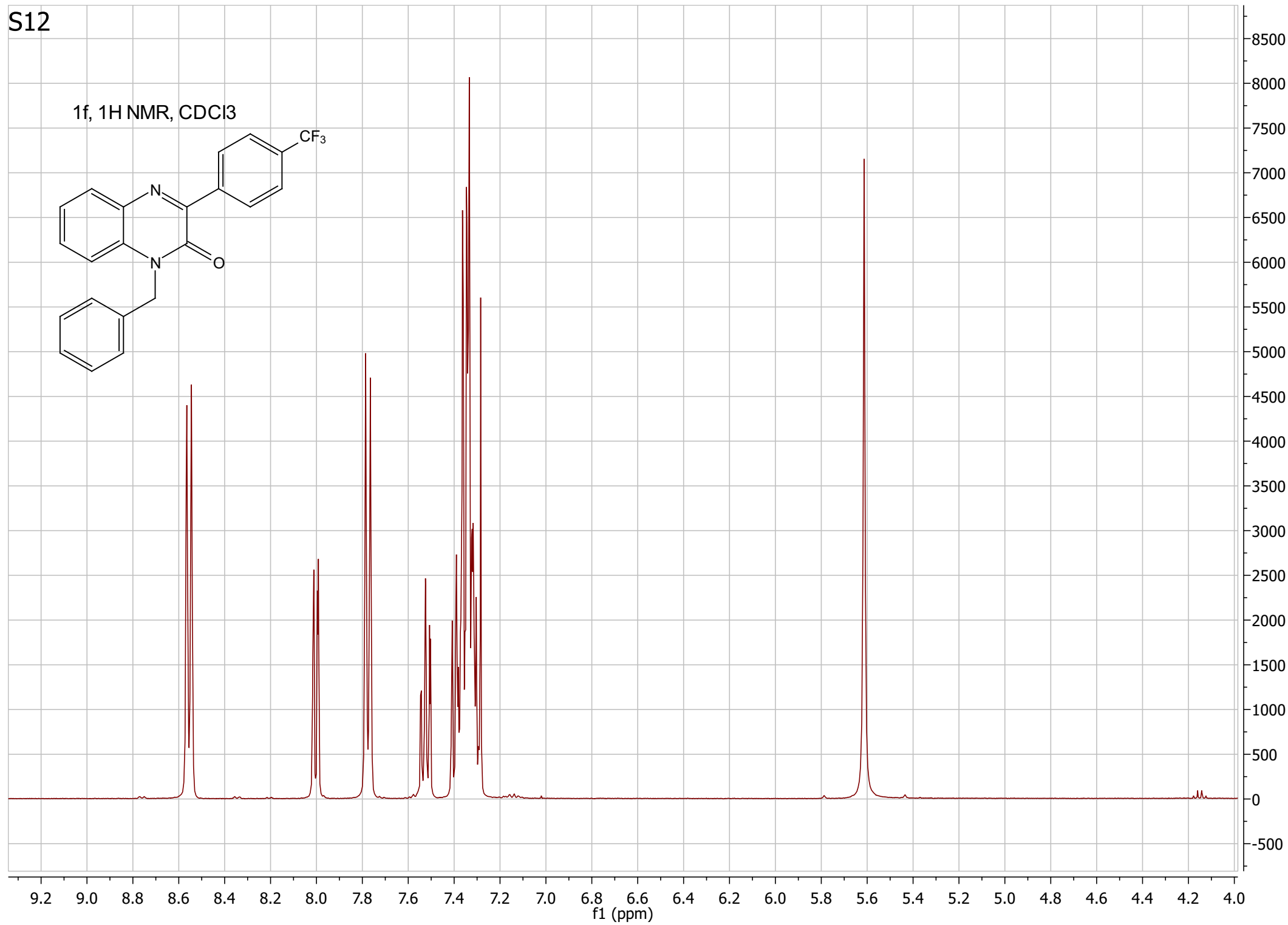
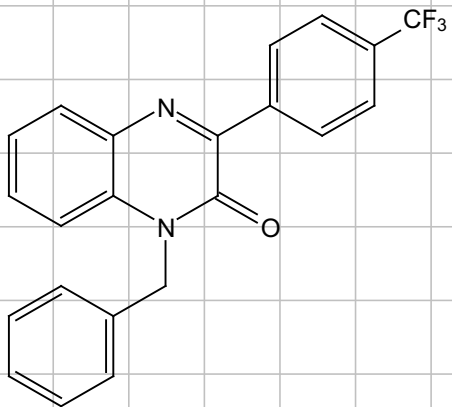
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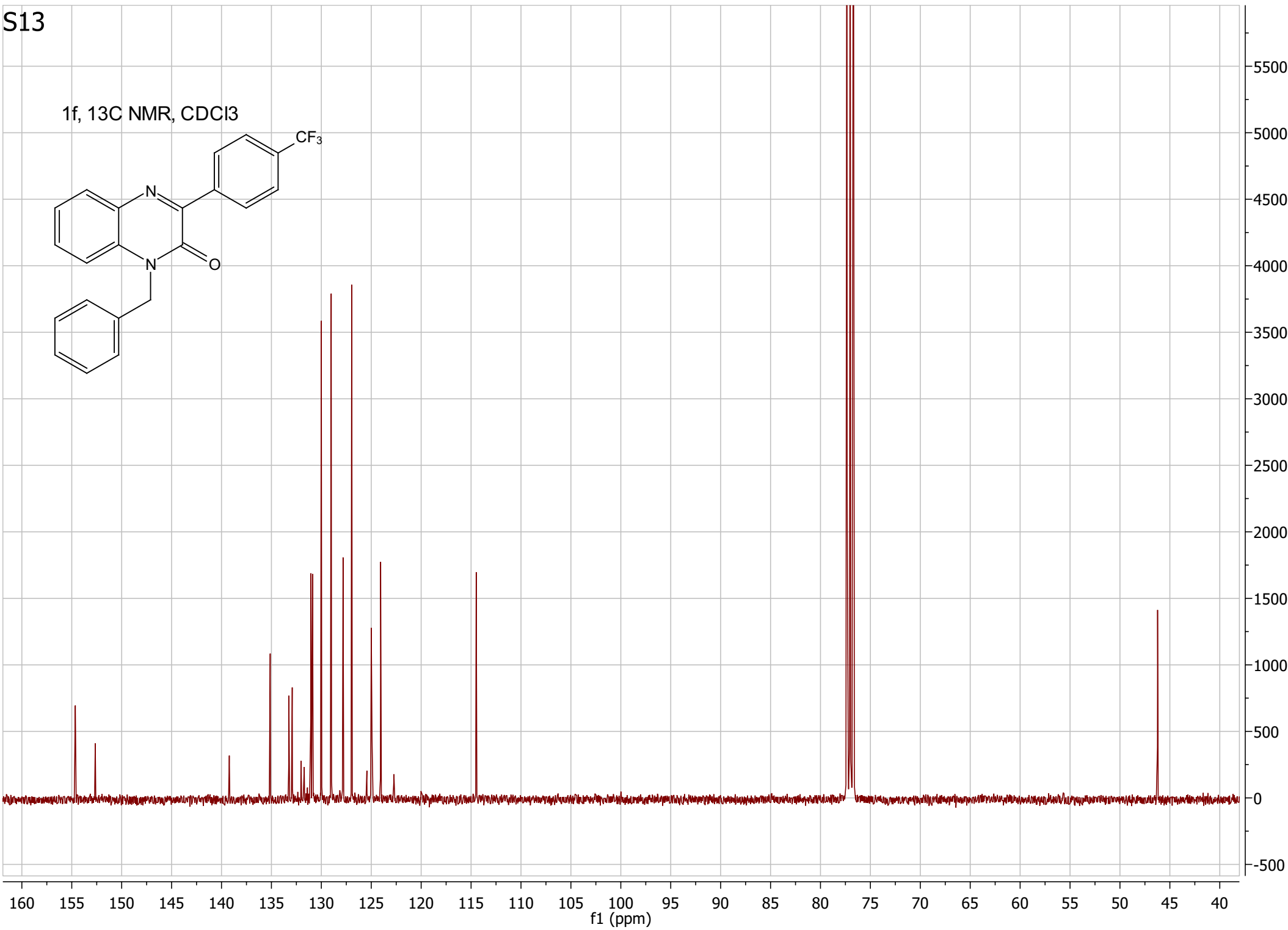
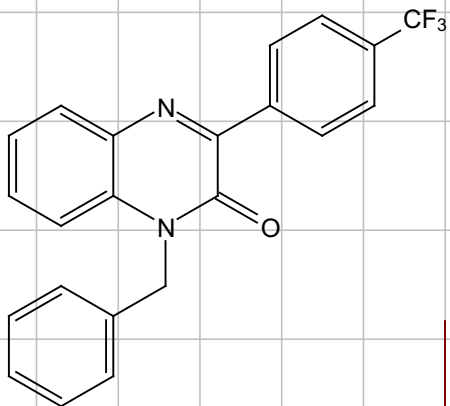
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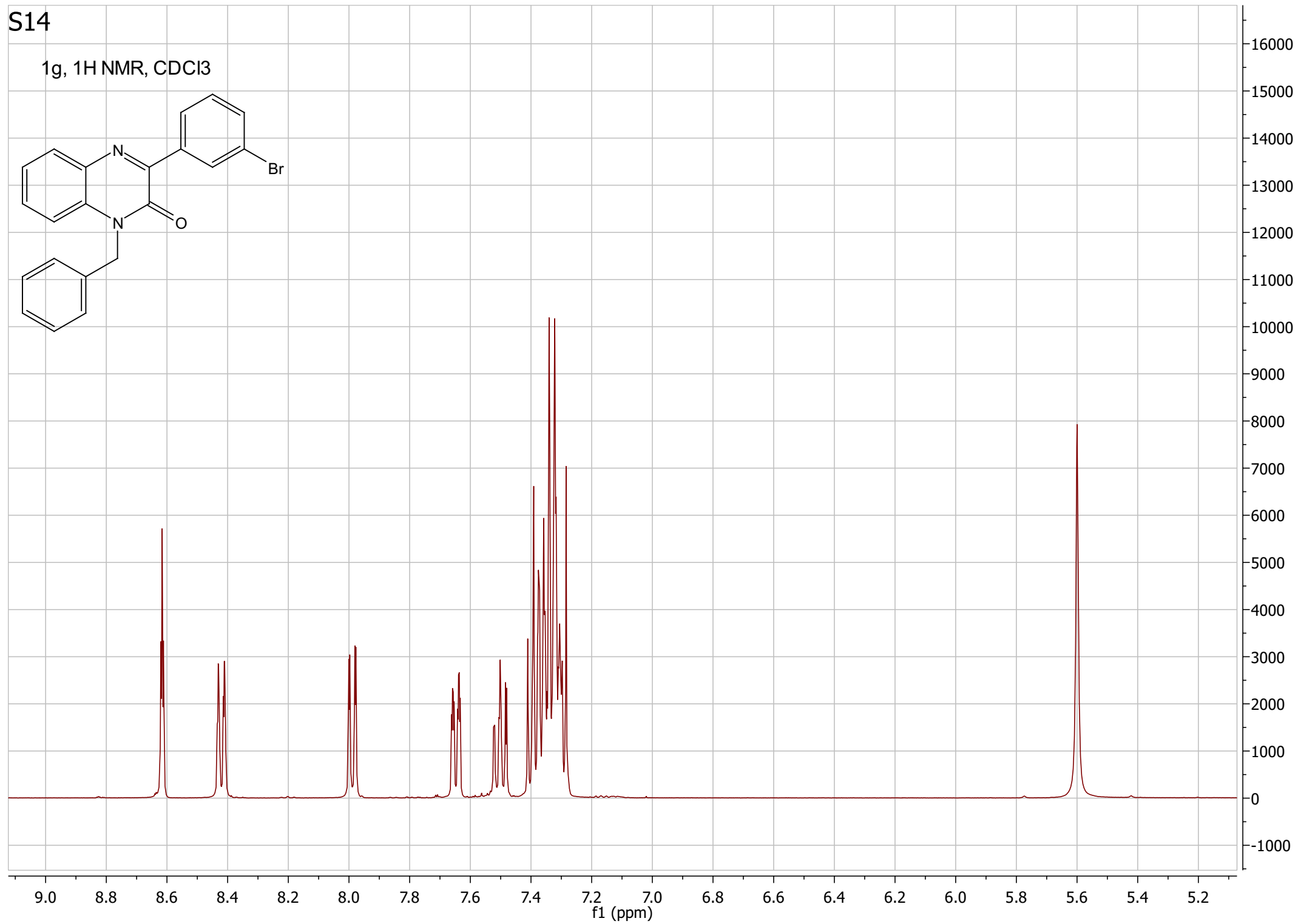
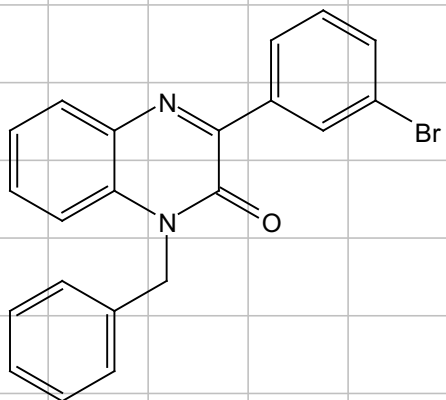
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1f, ¹³C NMR, CDCl₃



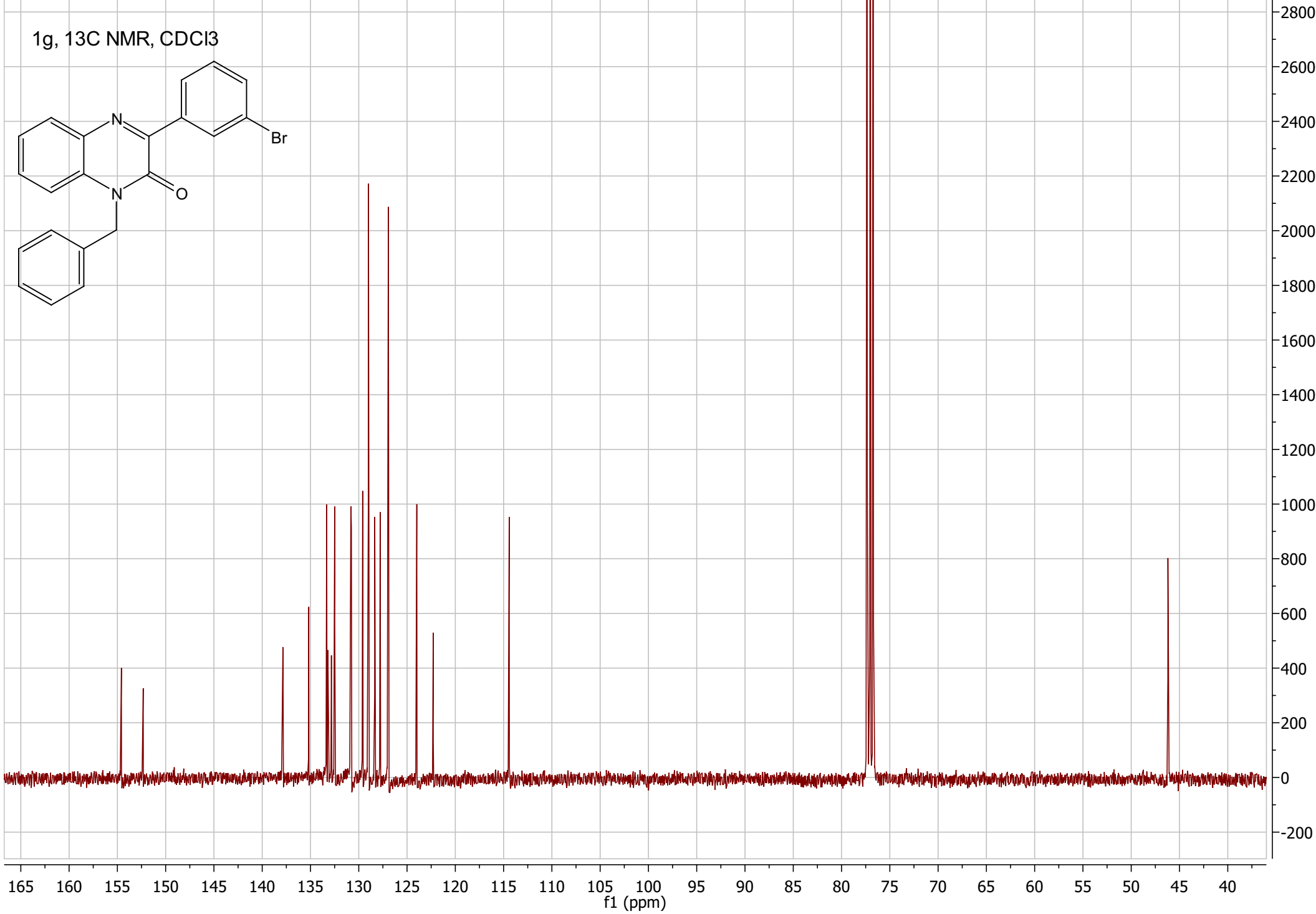
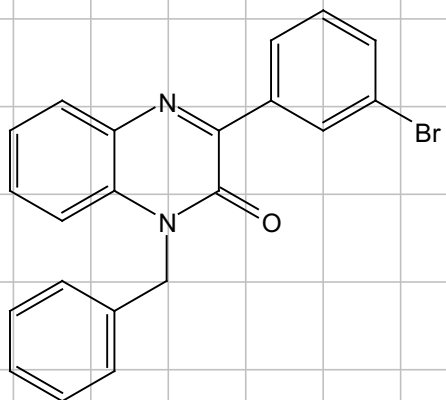
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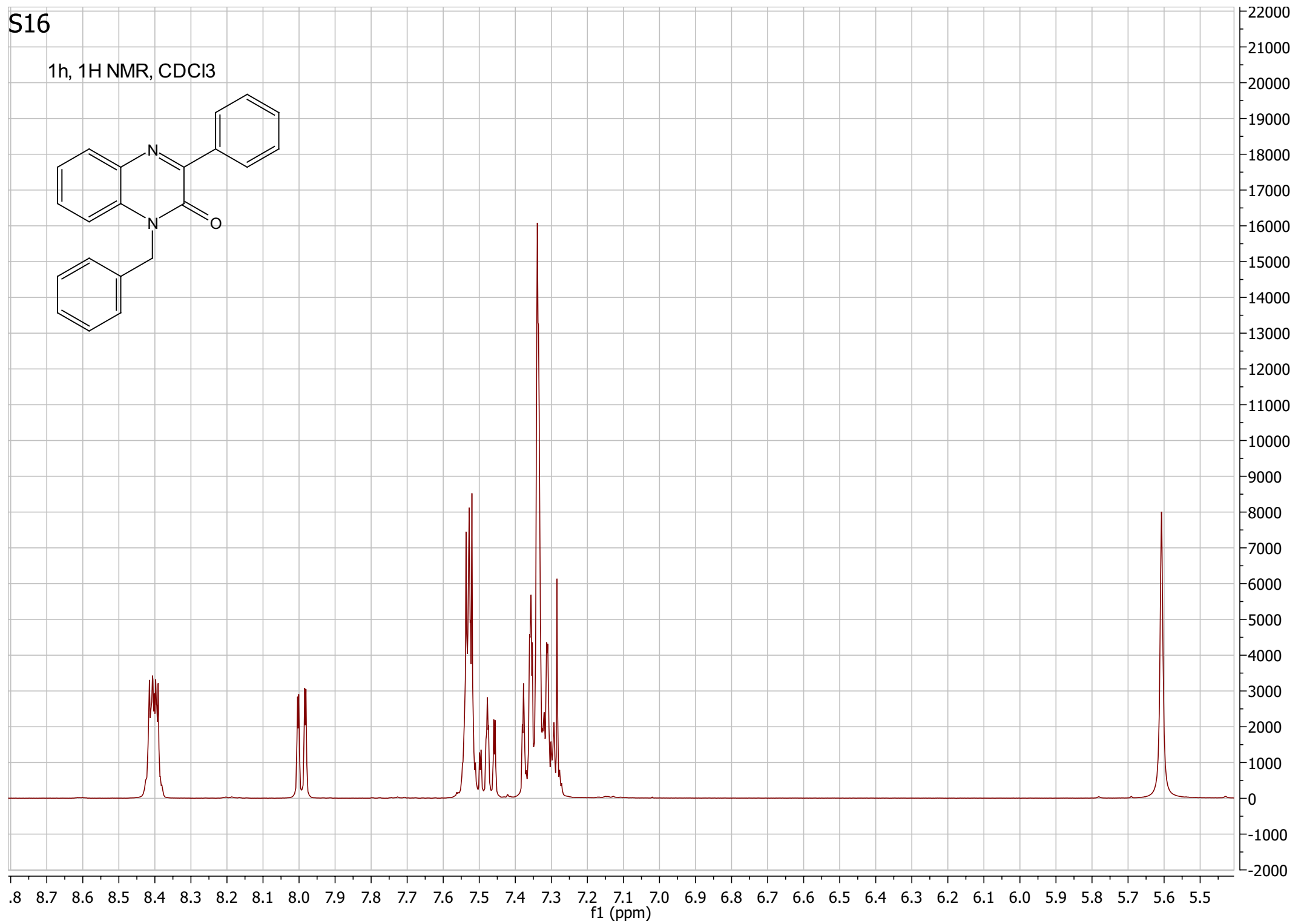
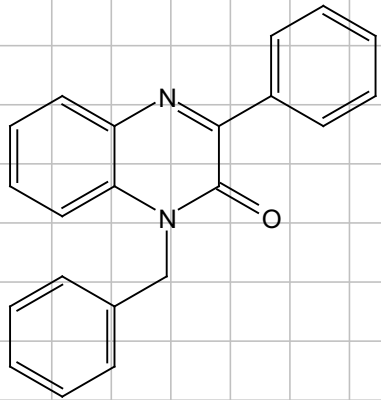
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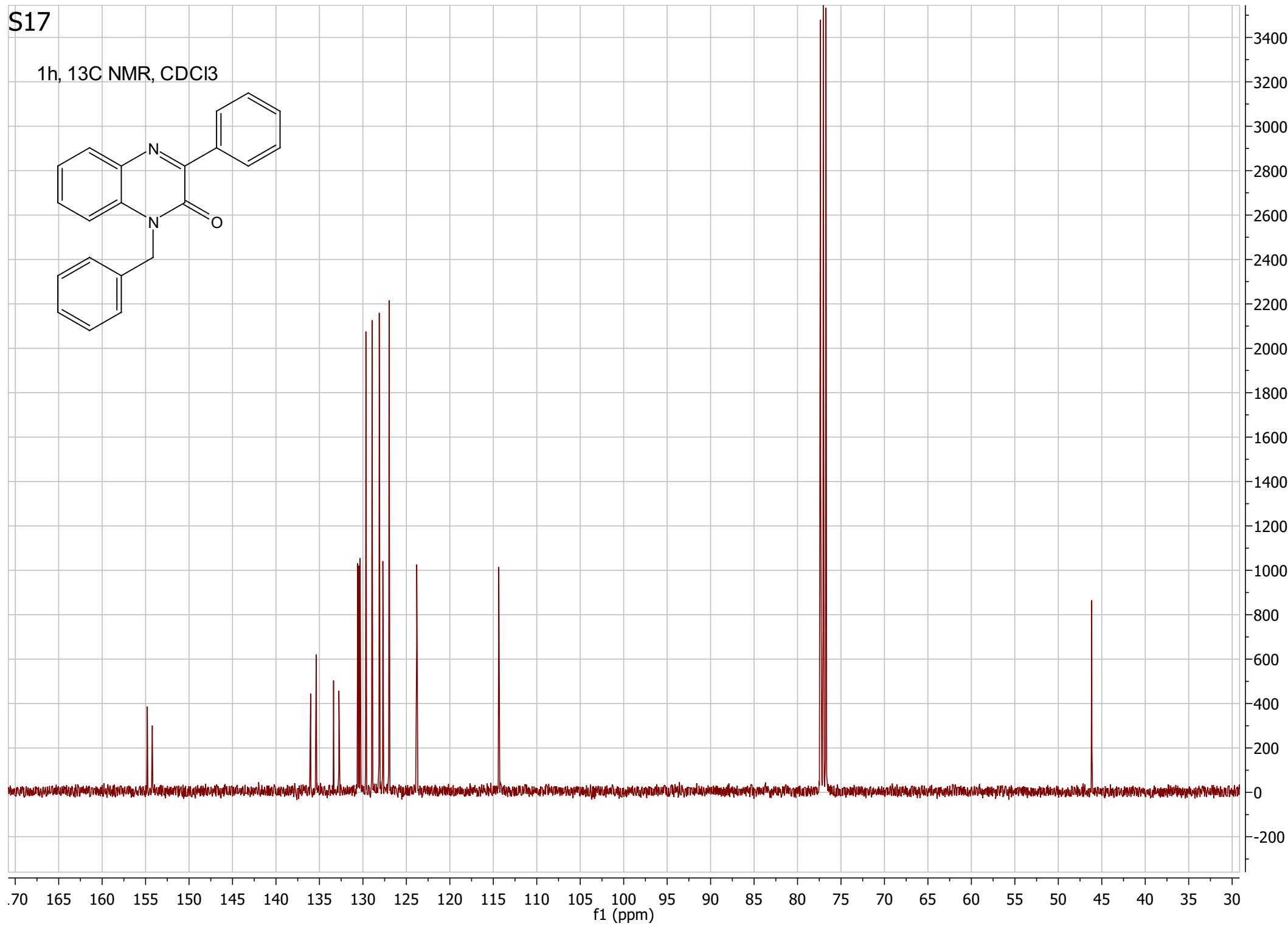
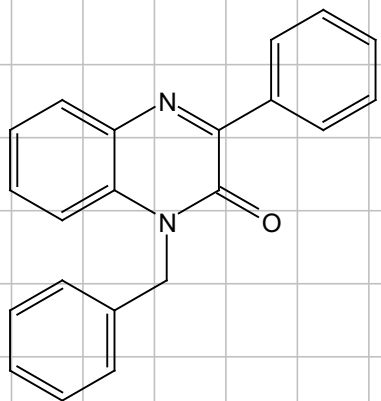
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1h, 1H NMR, CDCl3



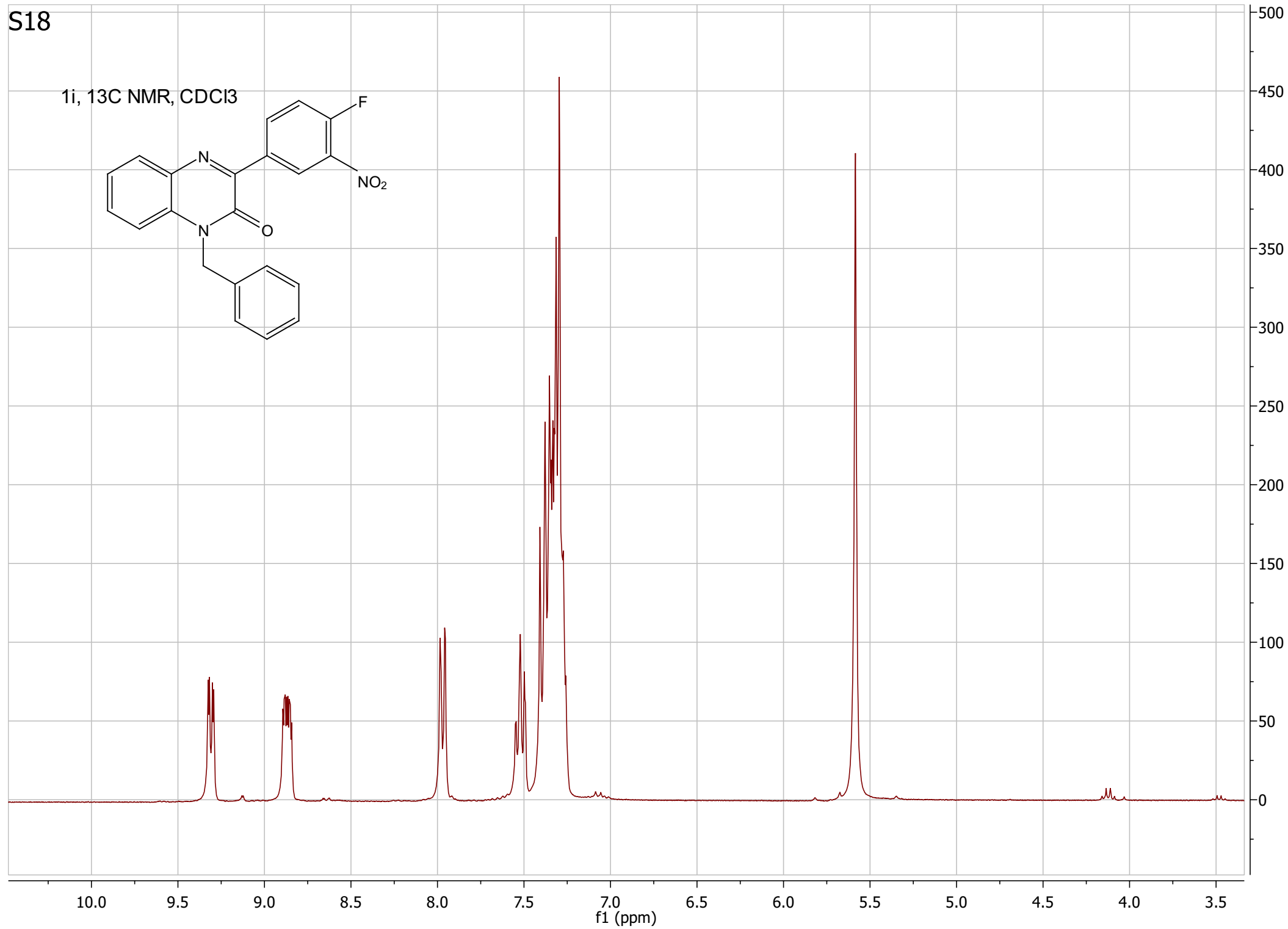
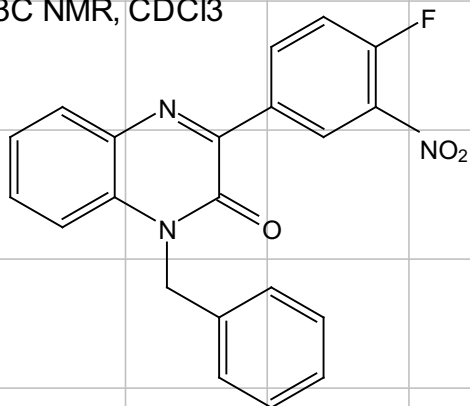
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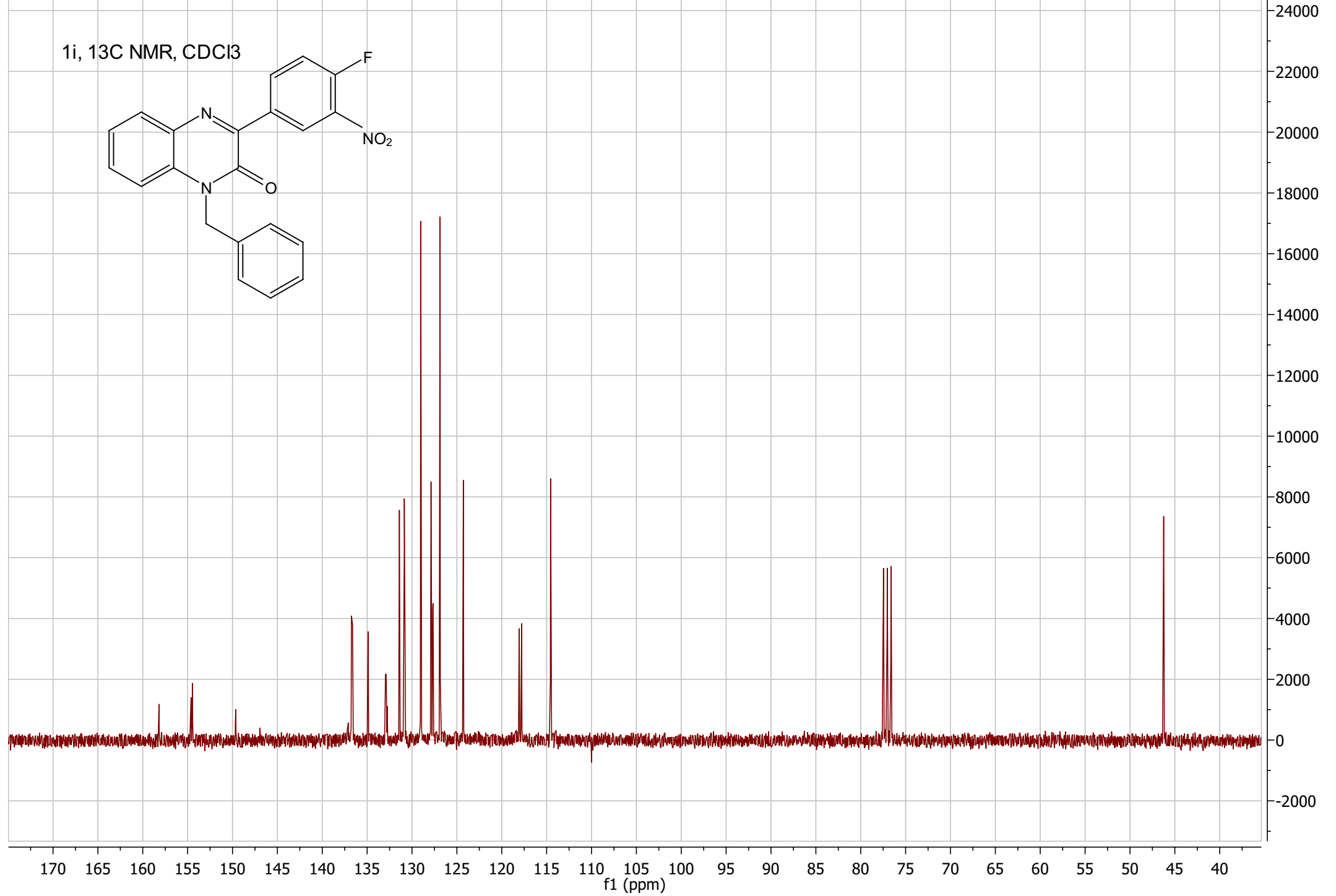
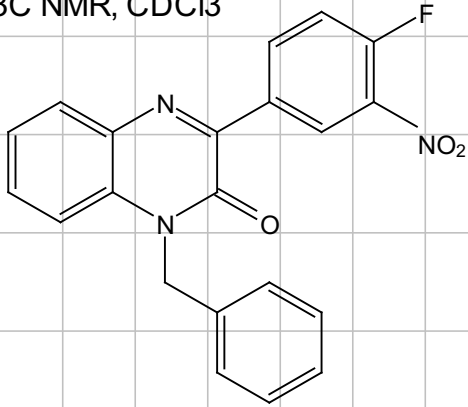
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1i, ¹³C NMR, CDCl₃



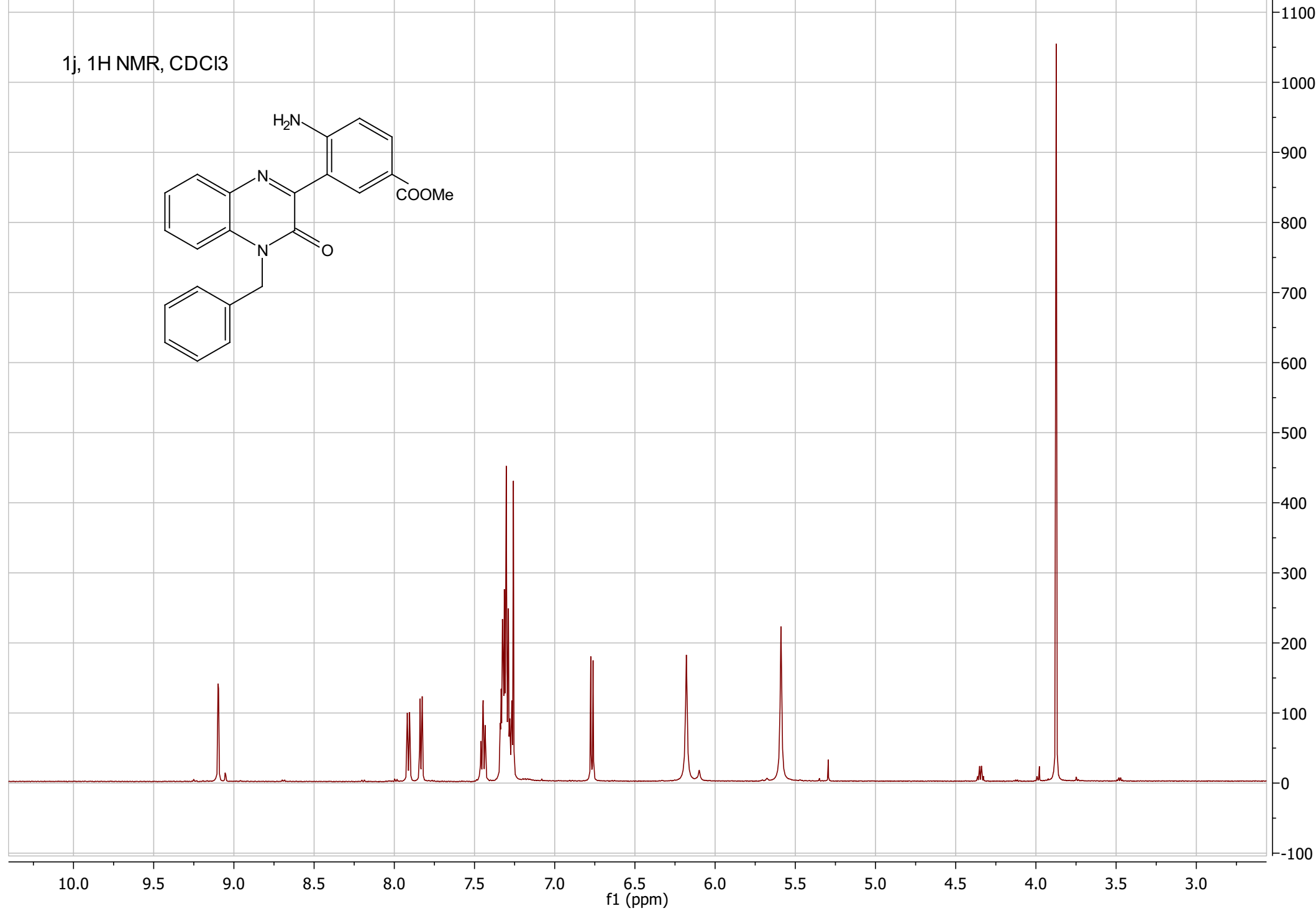
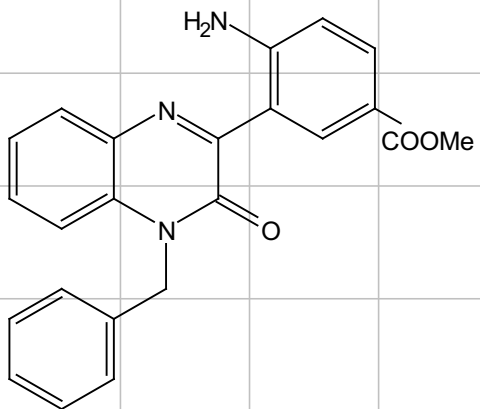
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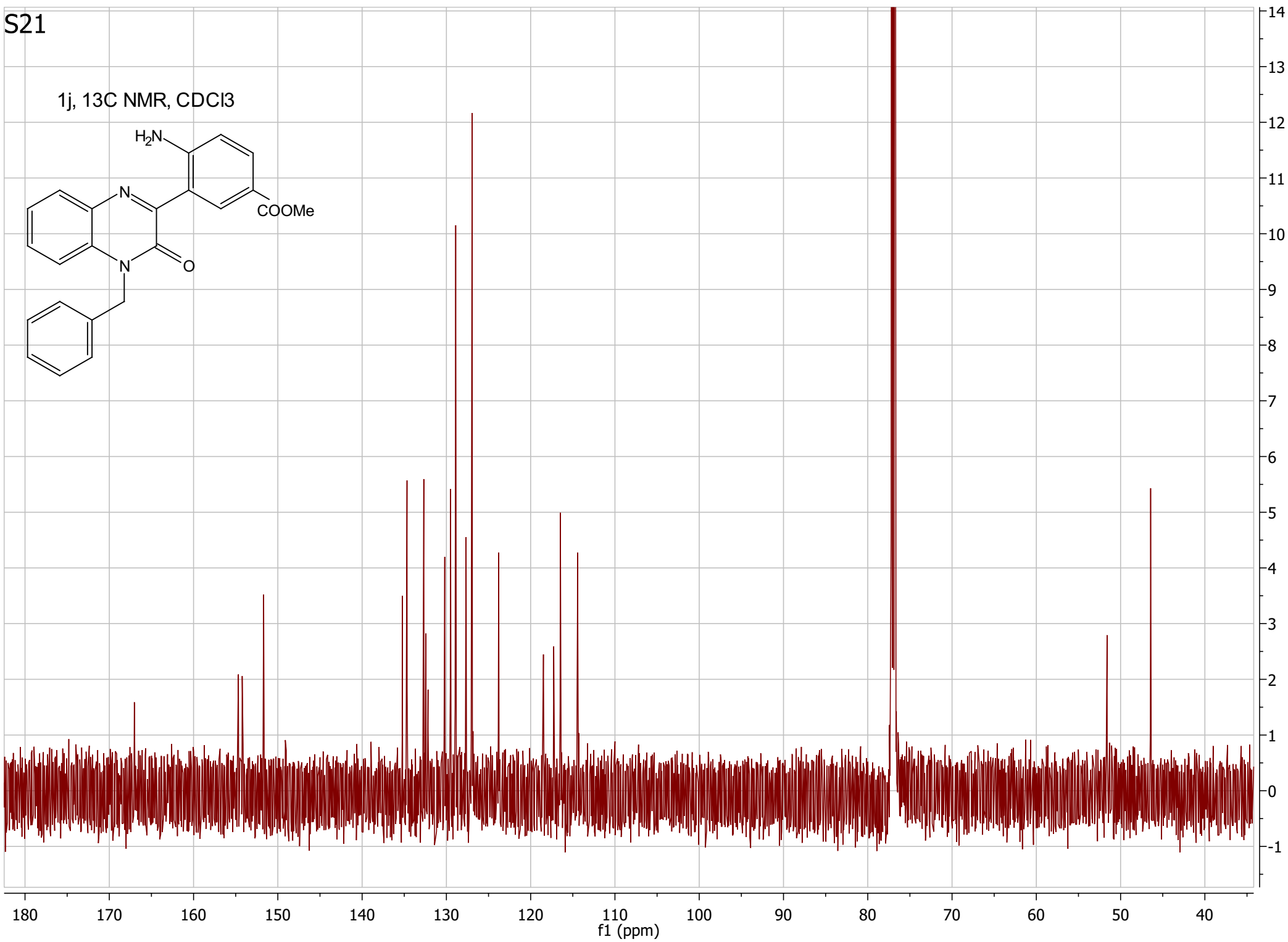
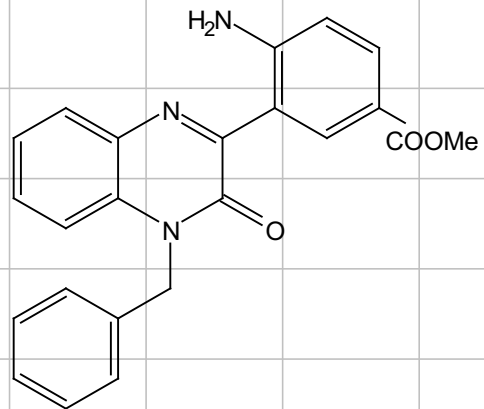
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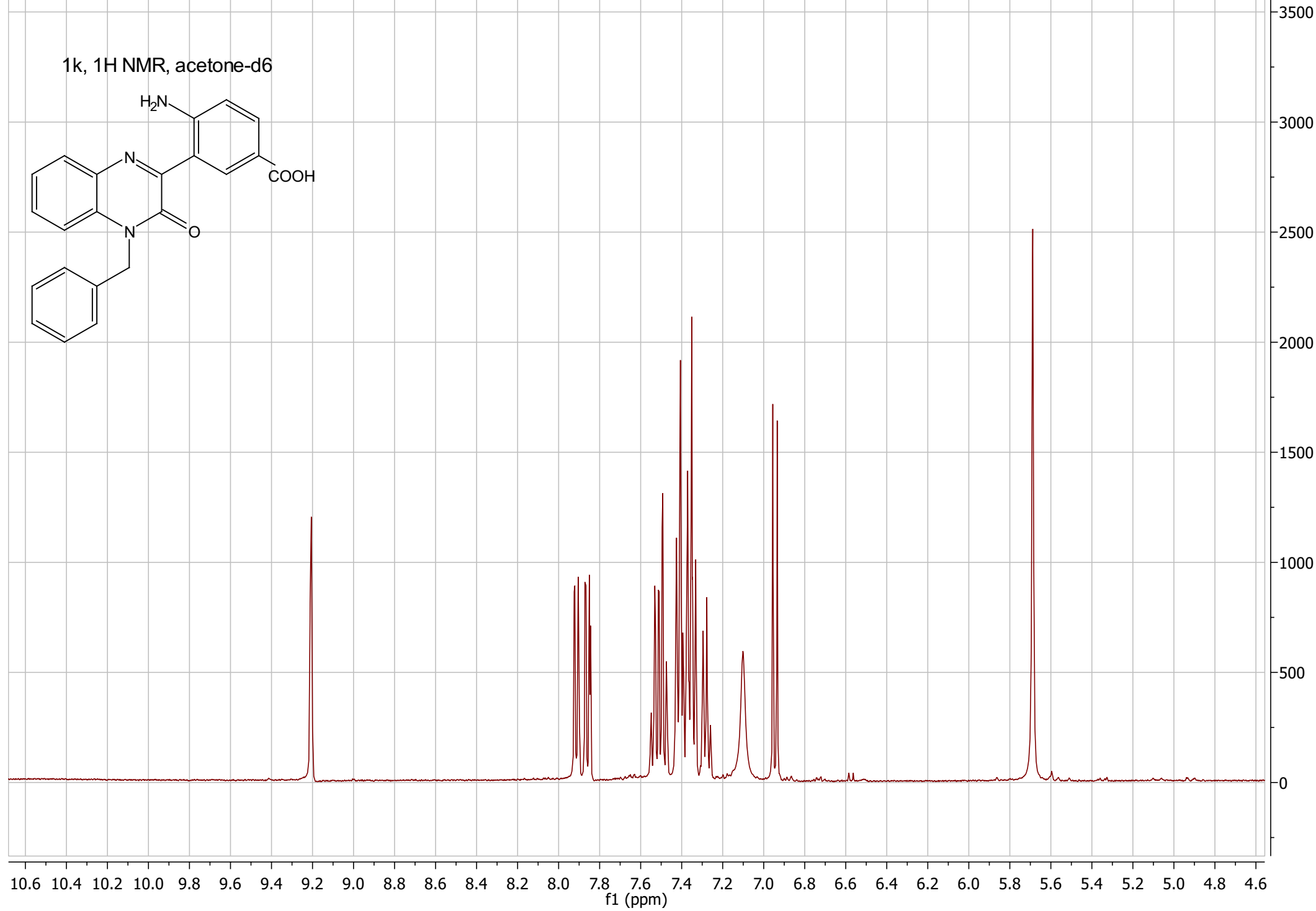
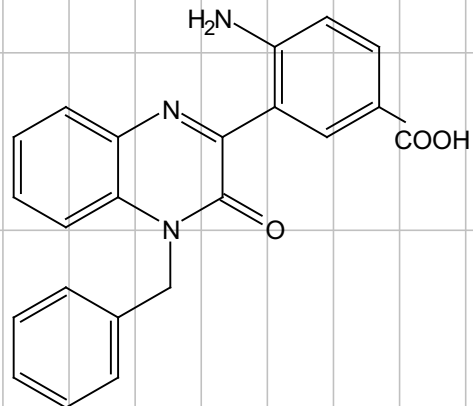
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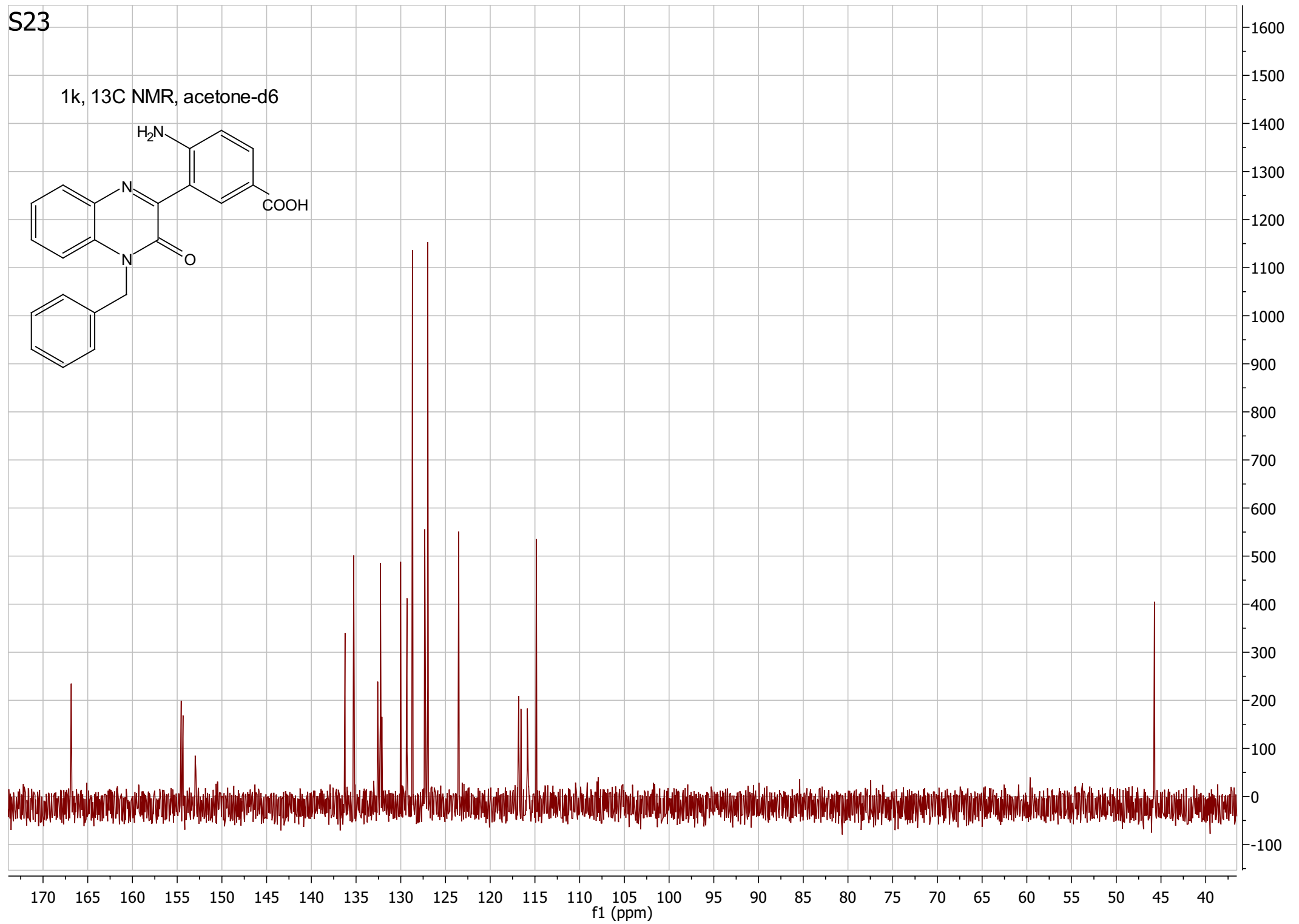
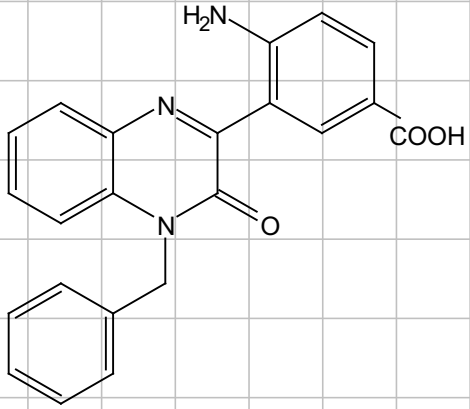
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1k, 1H NMR, acetone-d6



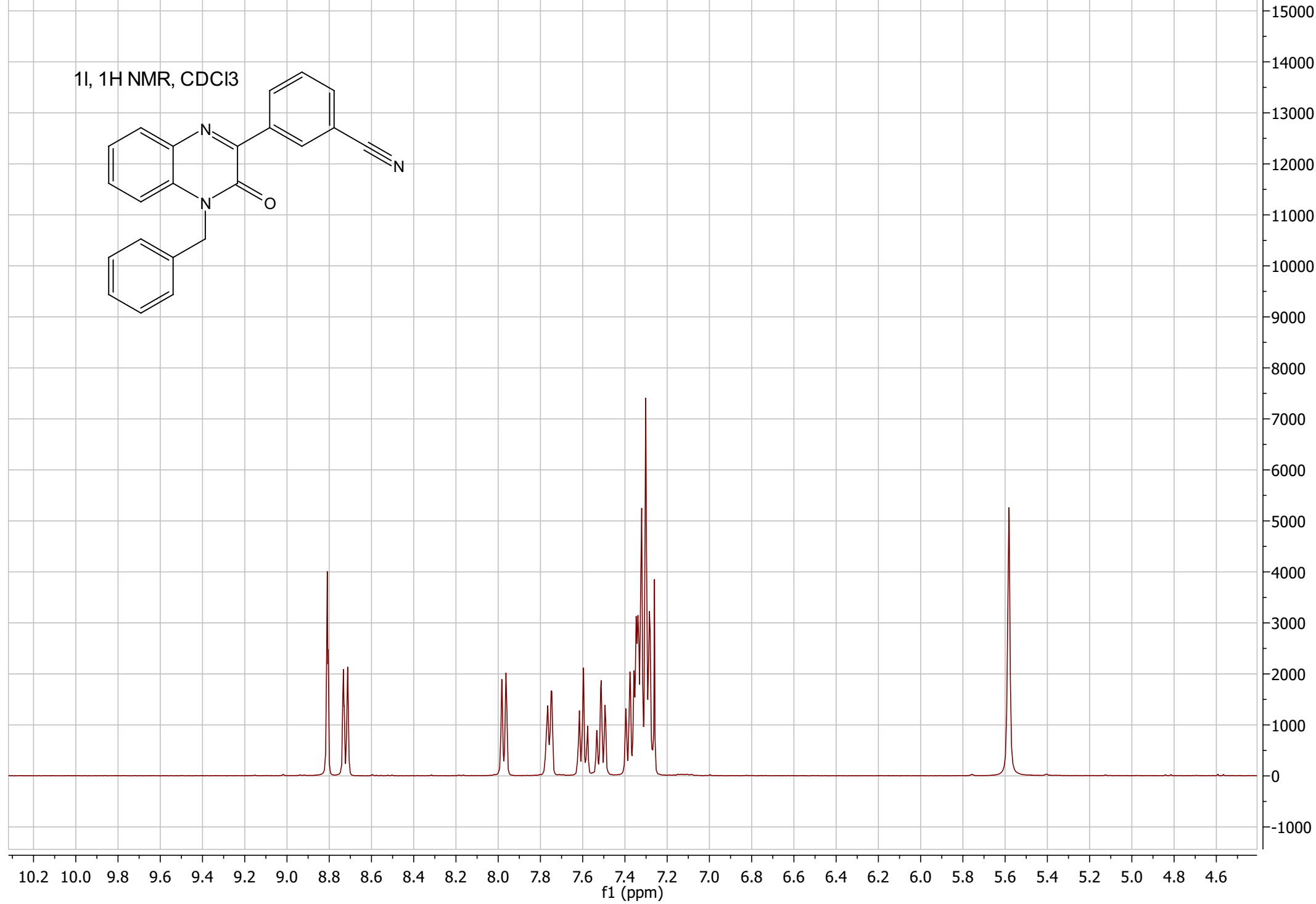
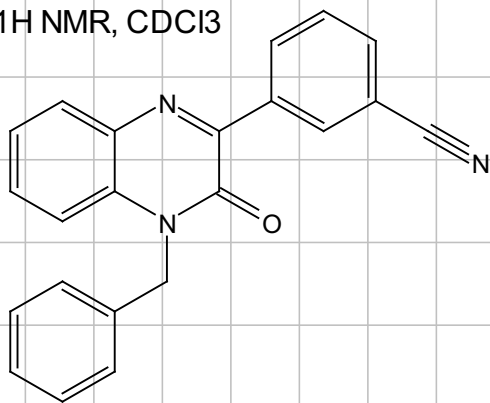
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1k, ¹³C NMR, acetone-d₆



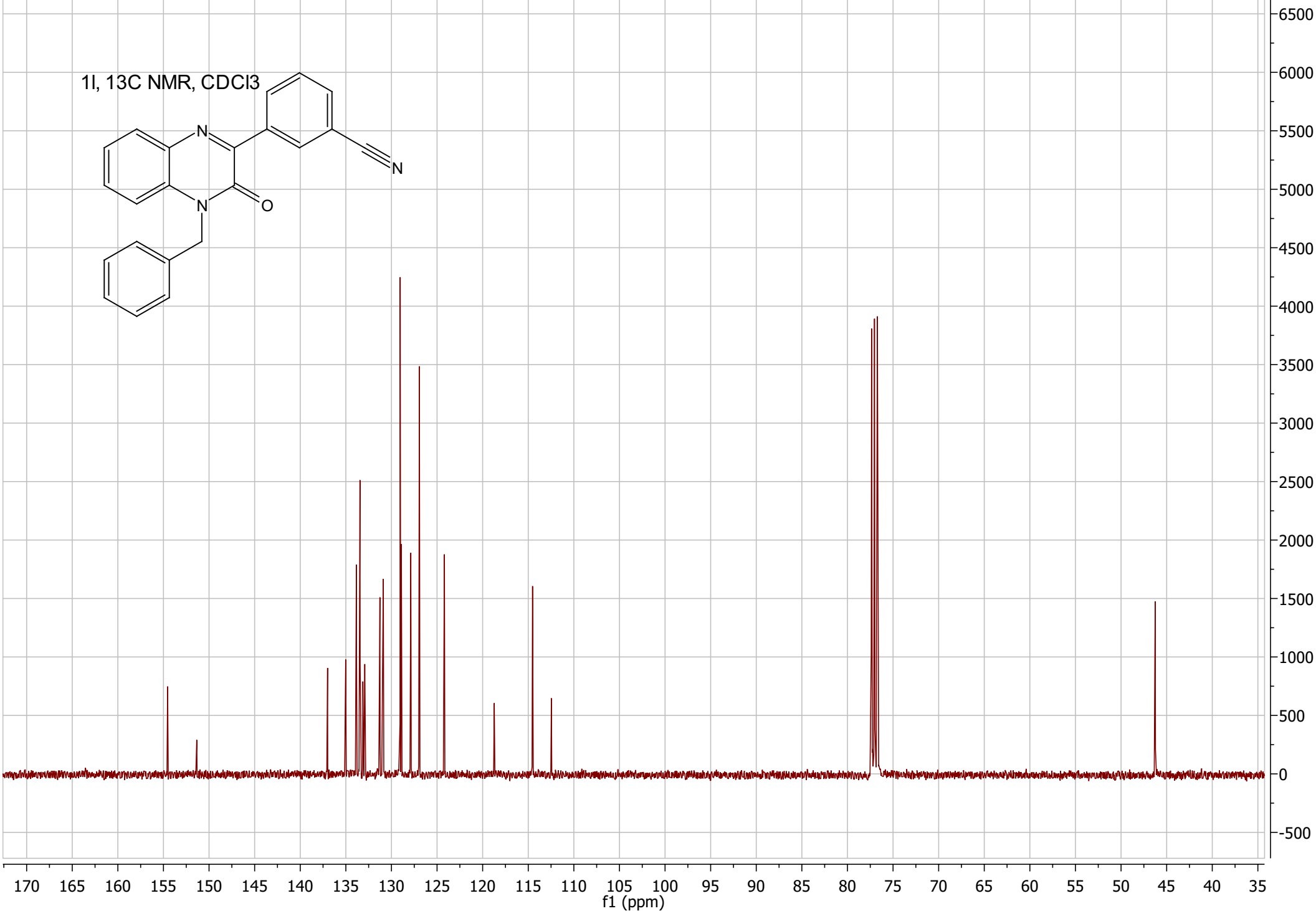
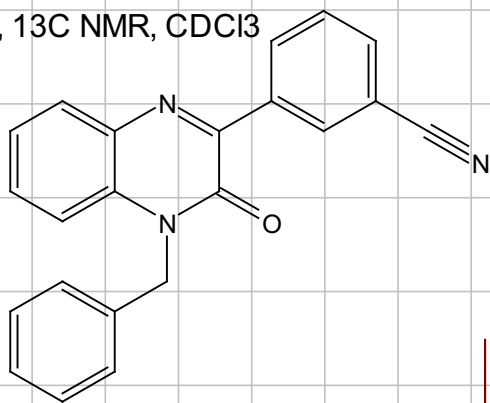
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11, ¹H NMR, CDCl₃



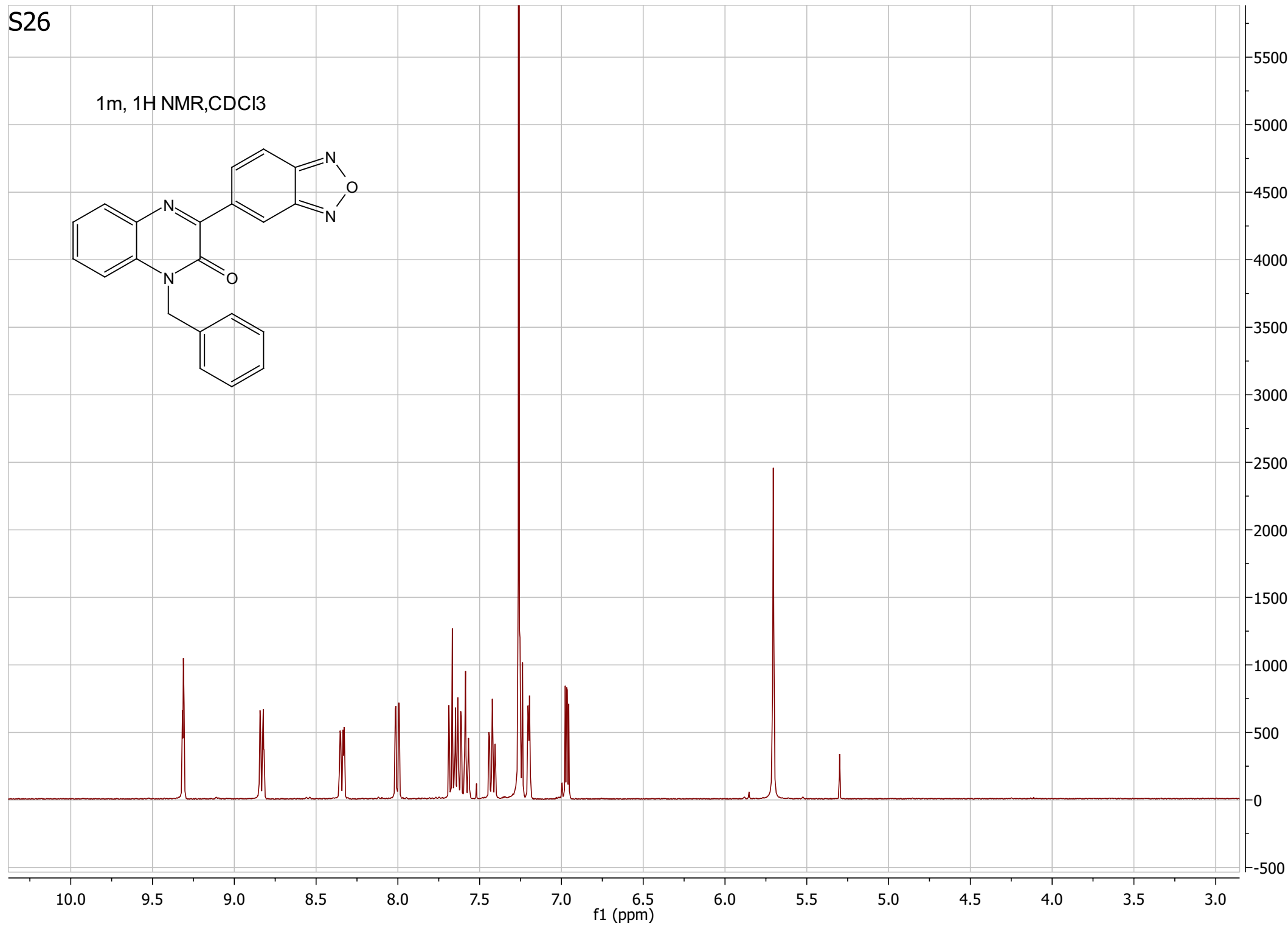
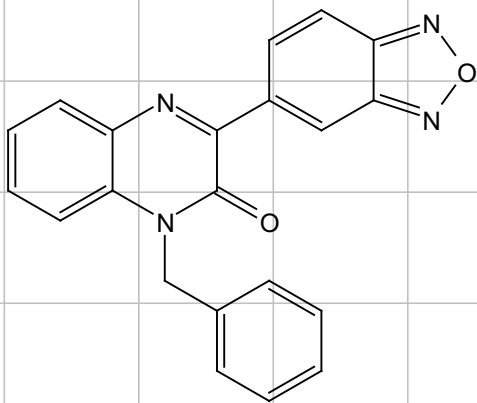
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1I, ¹³C NMR, CDCl₃



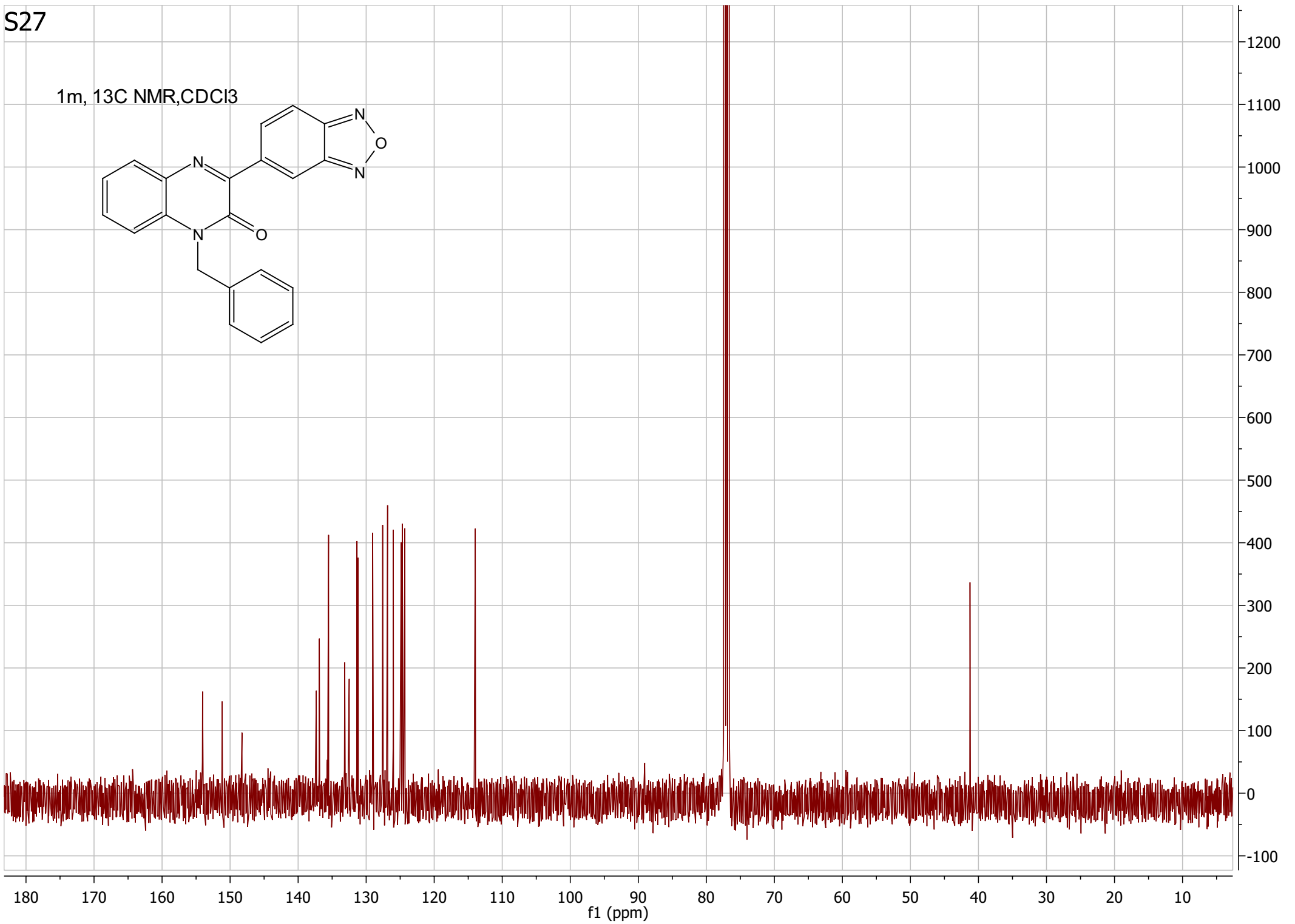
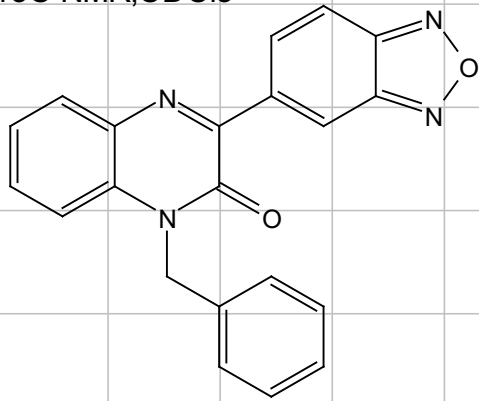
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1m, ^1H NMR, CDCl_3



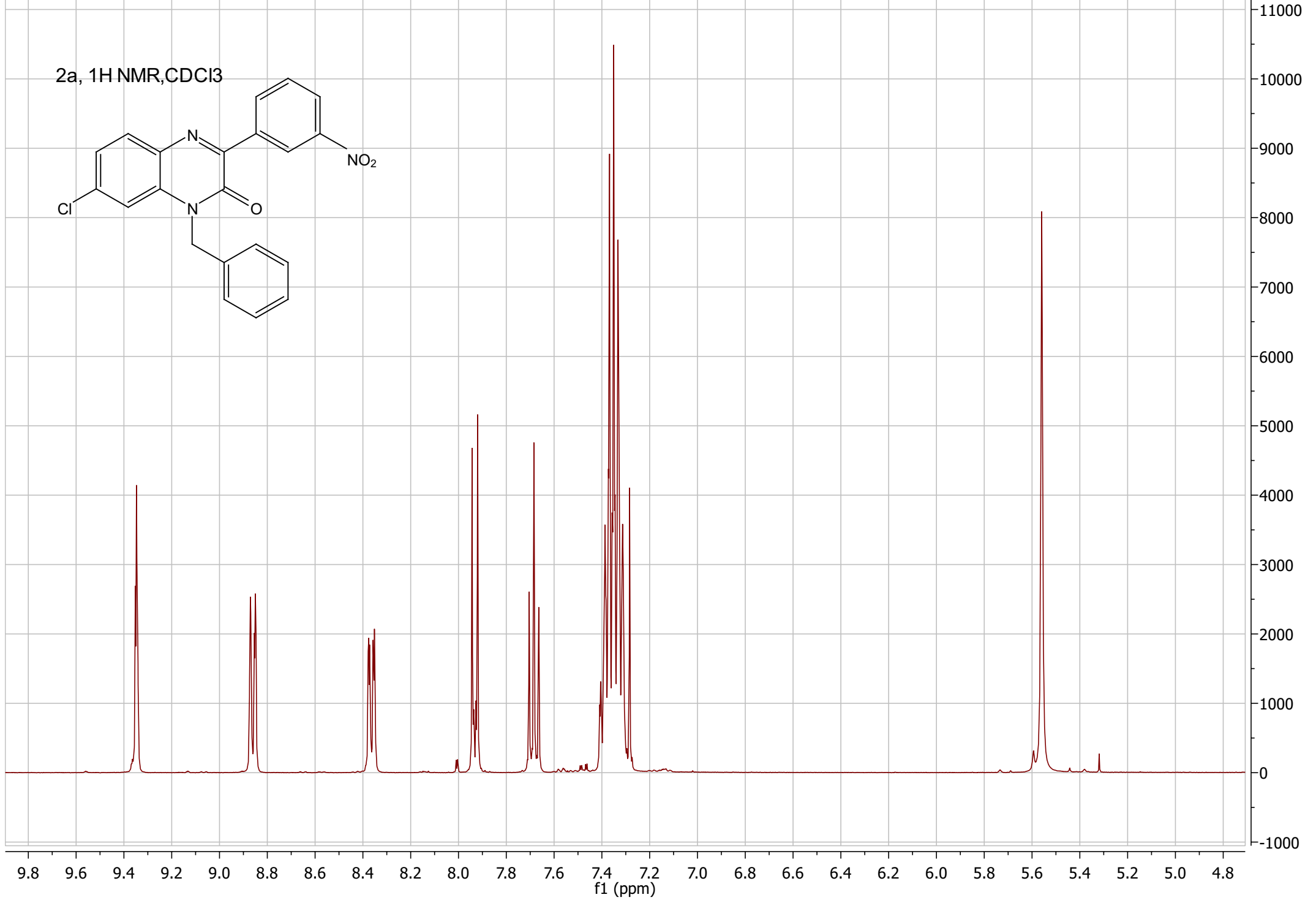
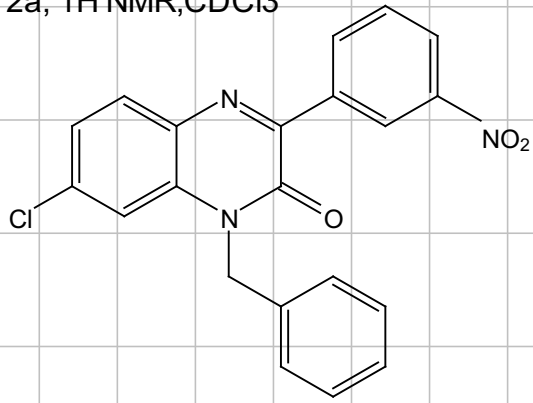
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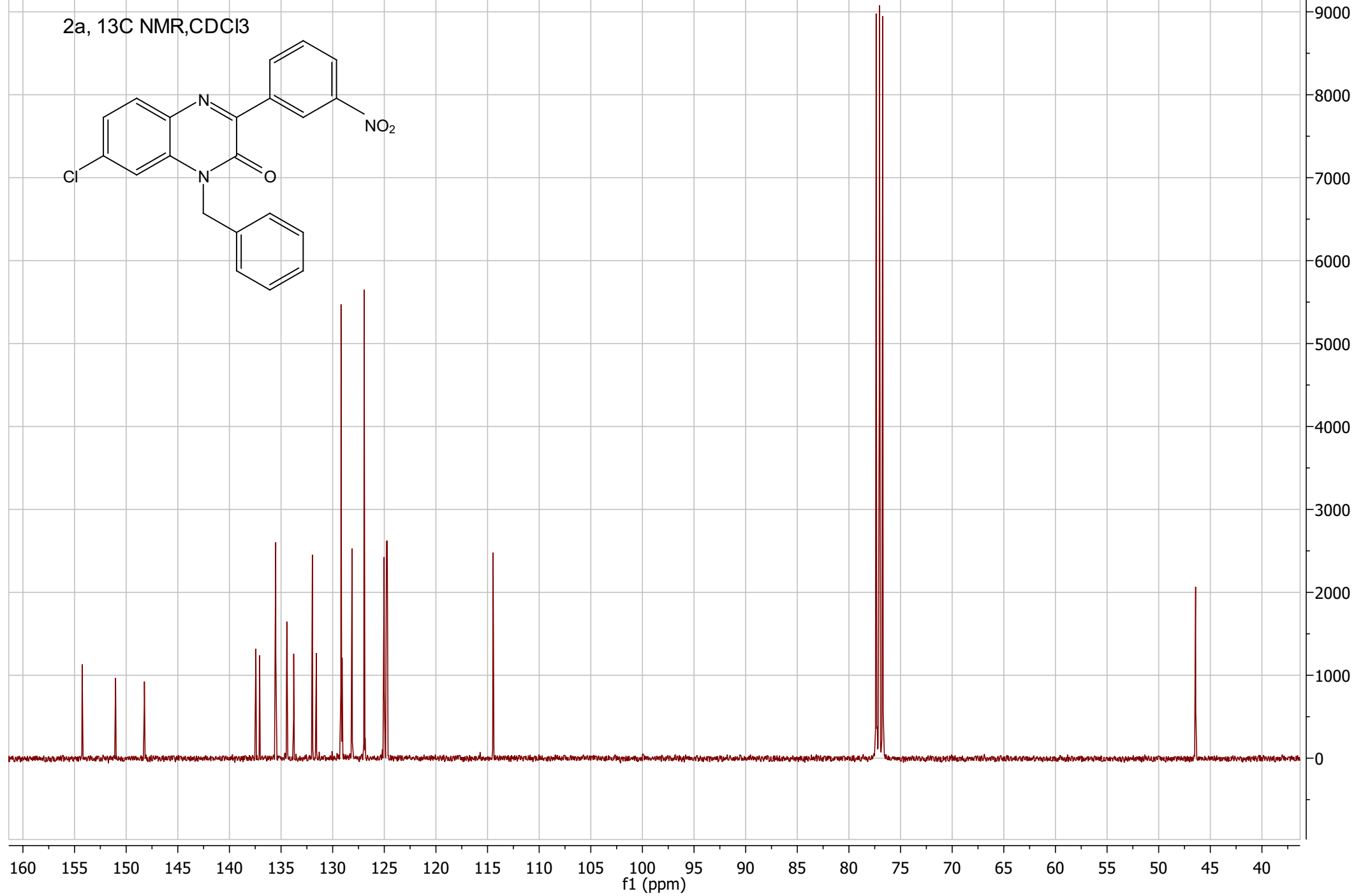
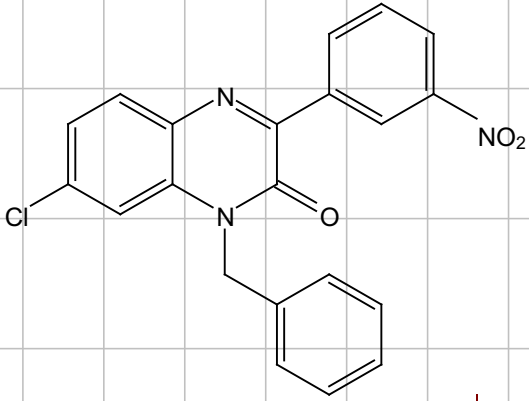
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2a, ¹H NMR, CDCl₃



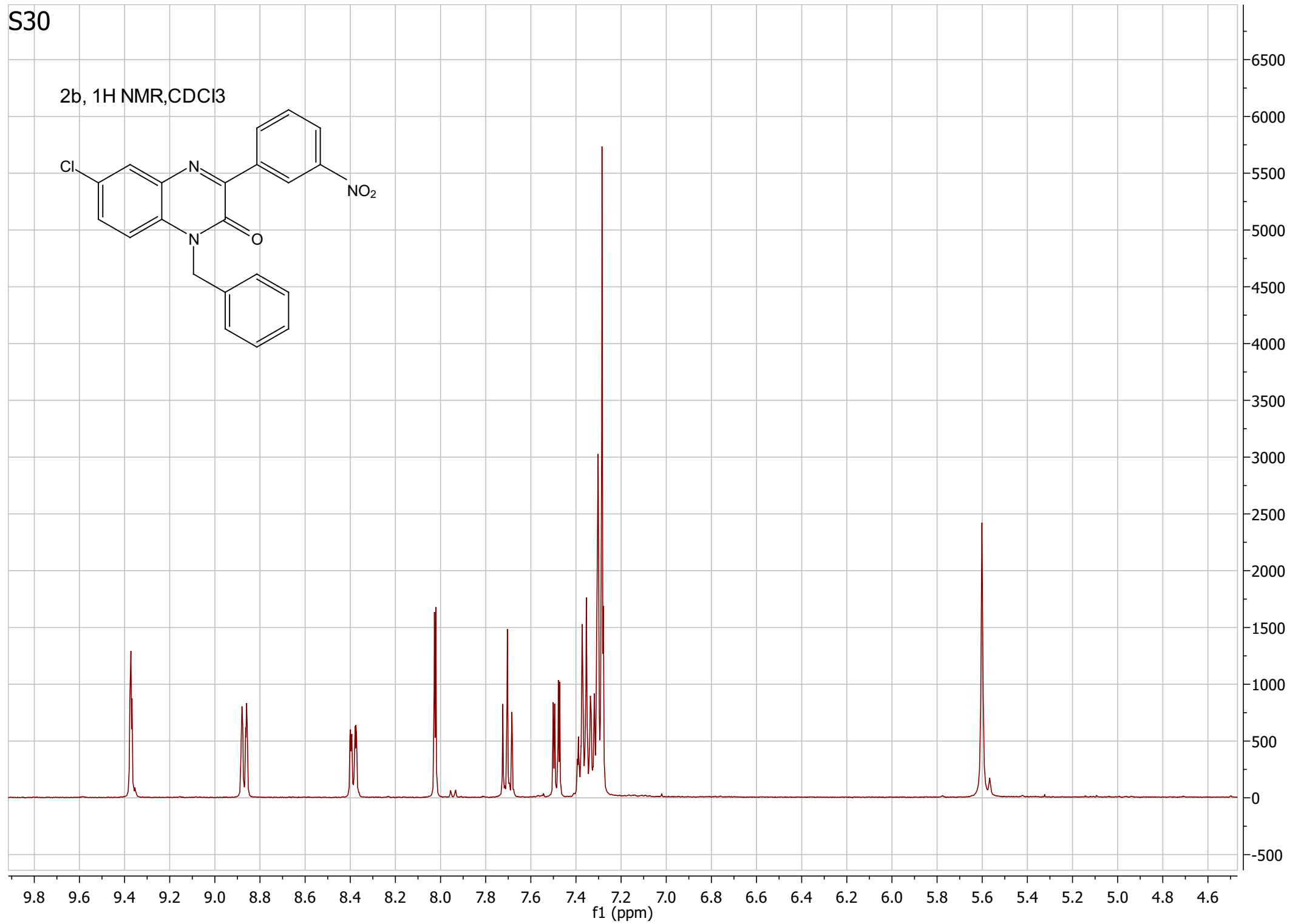
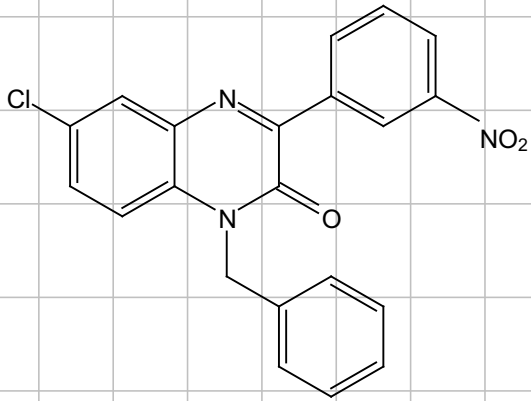
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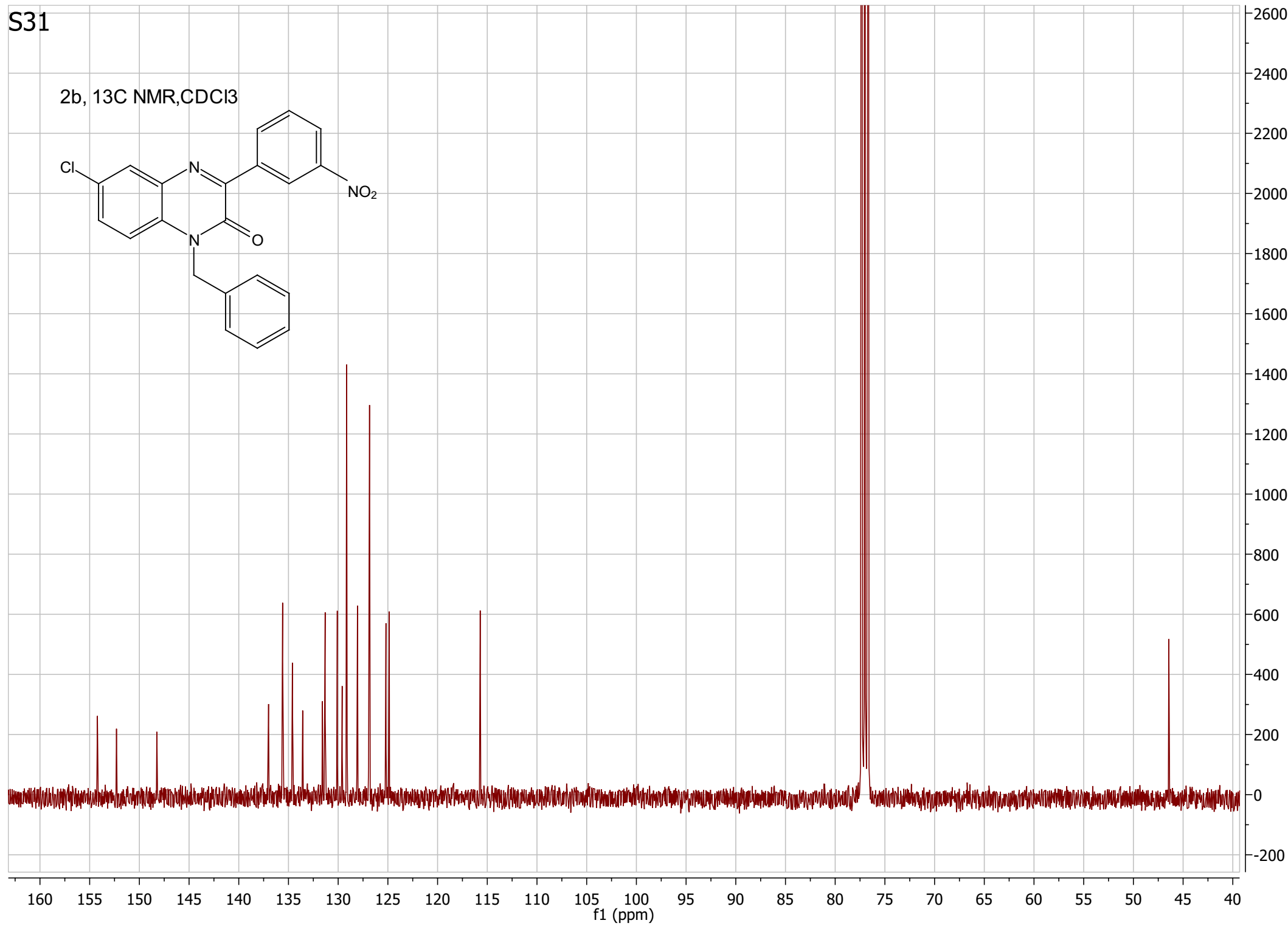
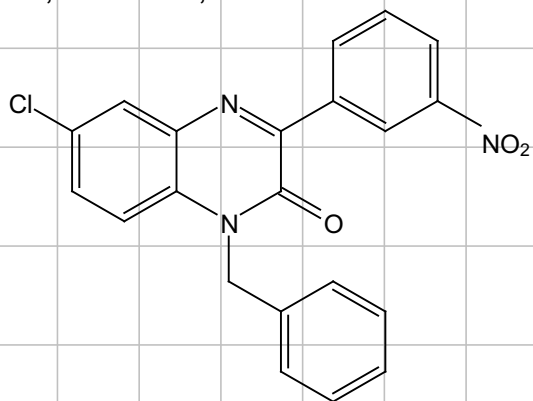
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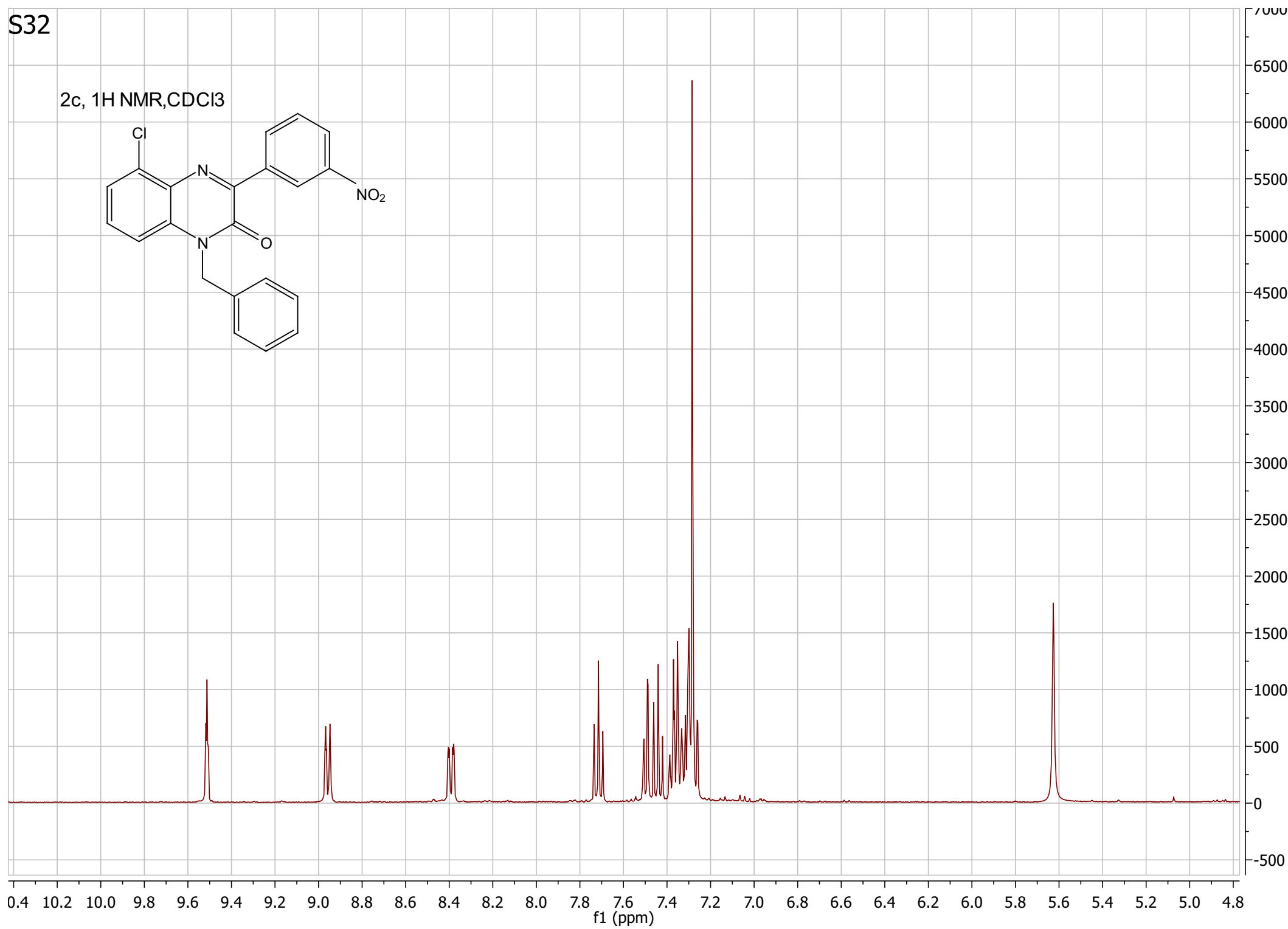
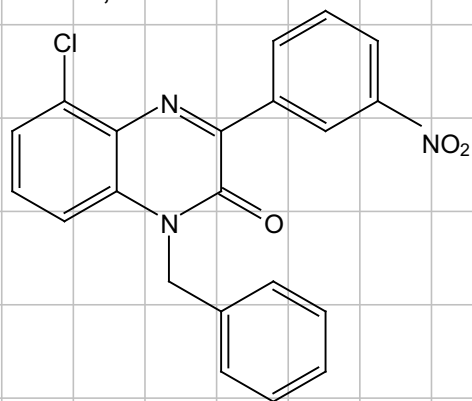
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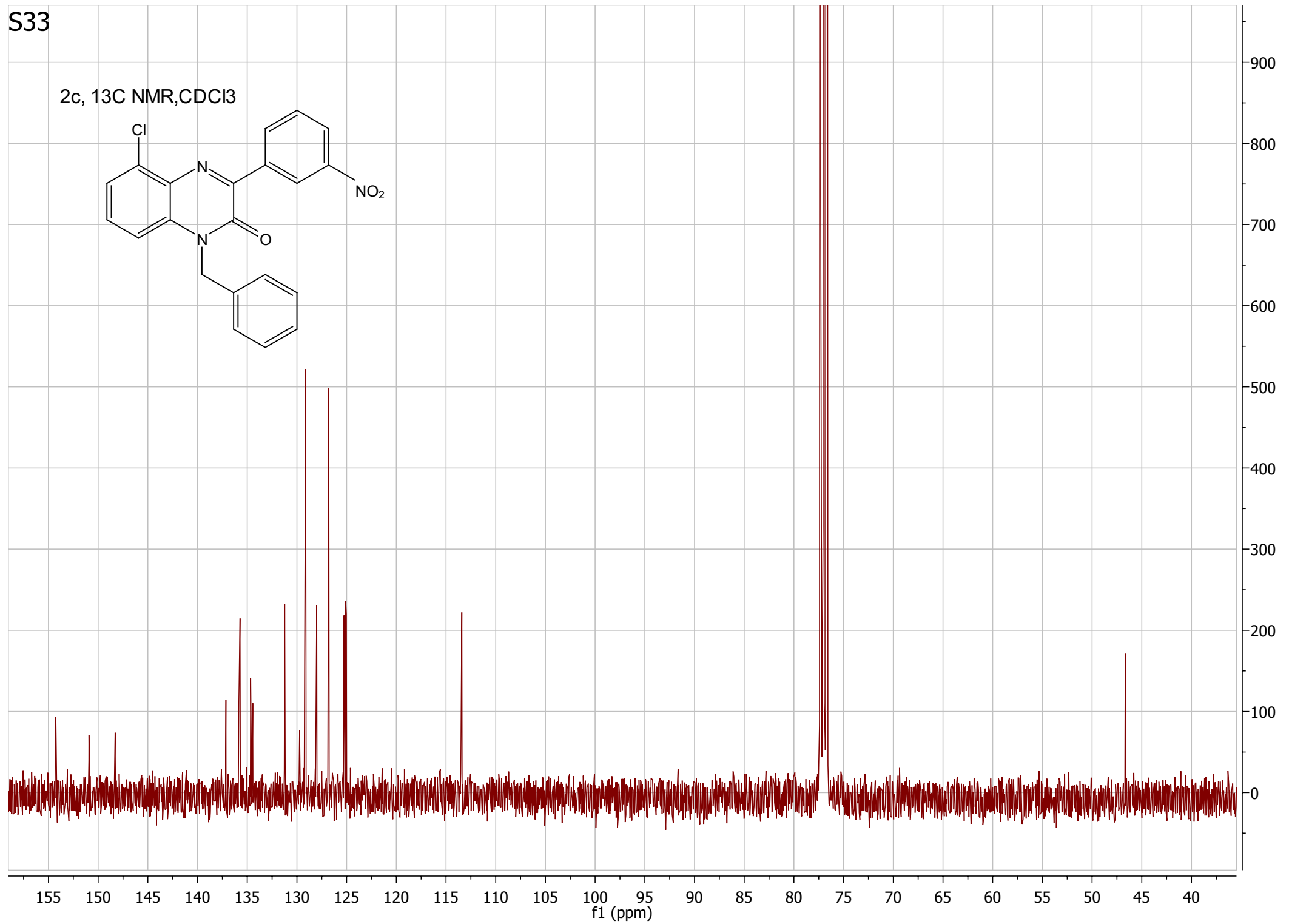
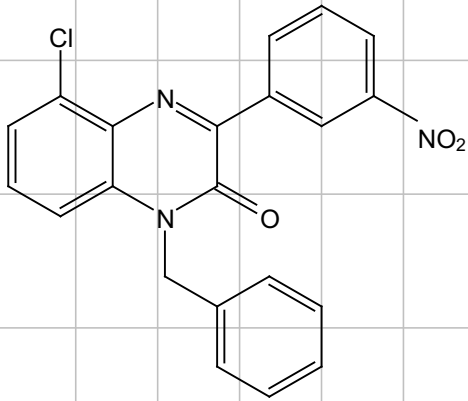
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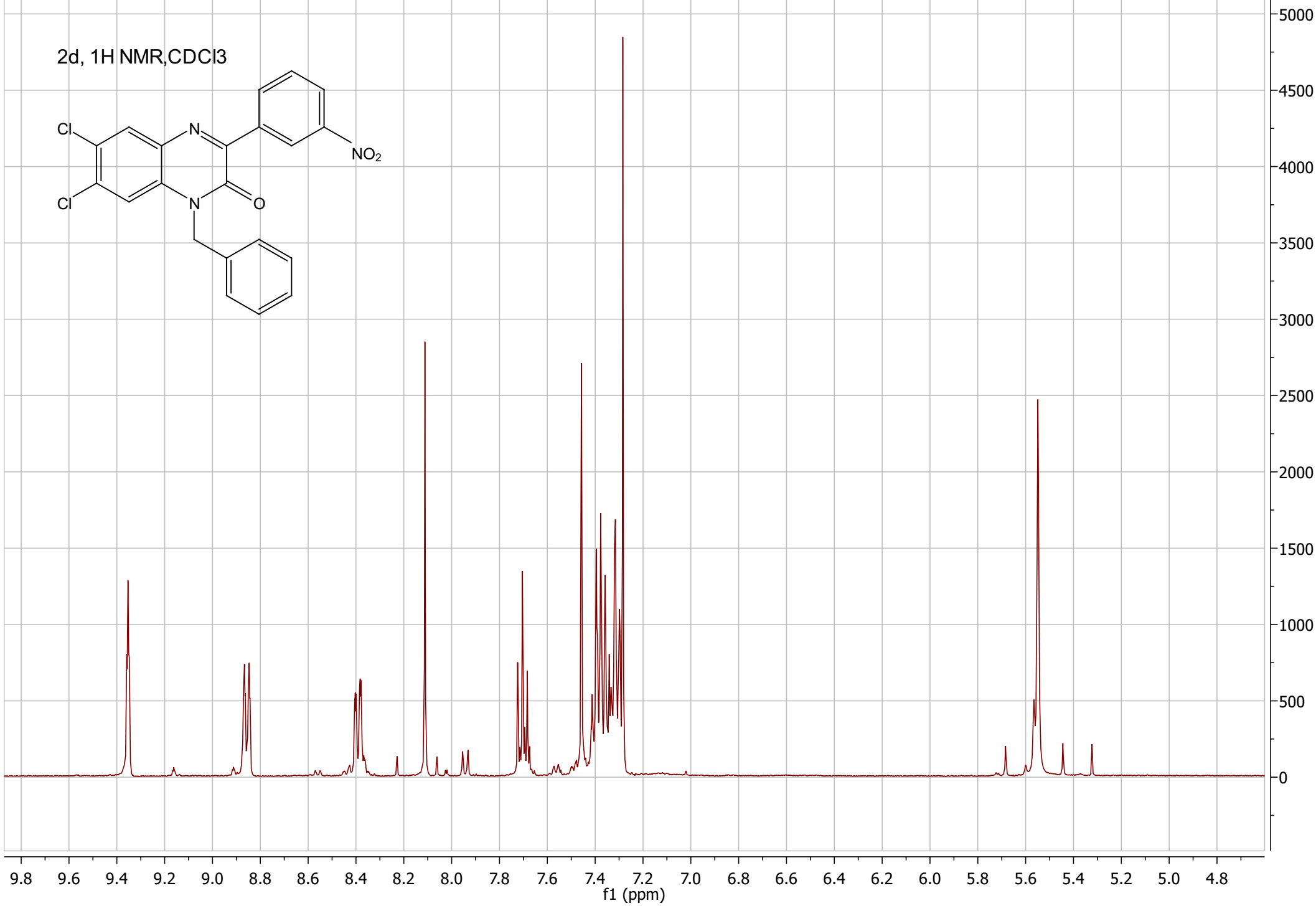
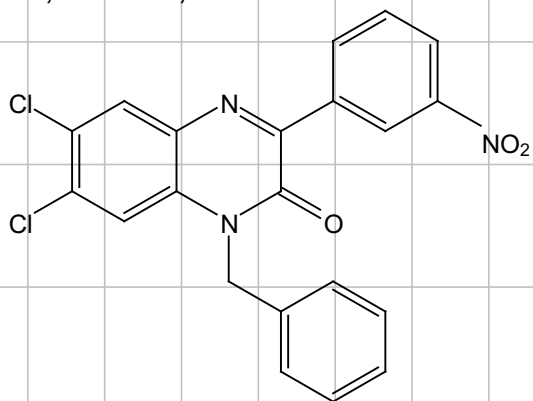
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2c, ¹³C NMR, CDCl₃



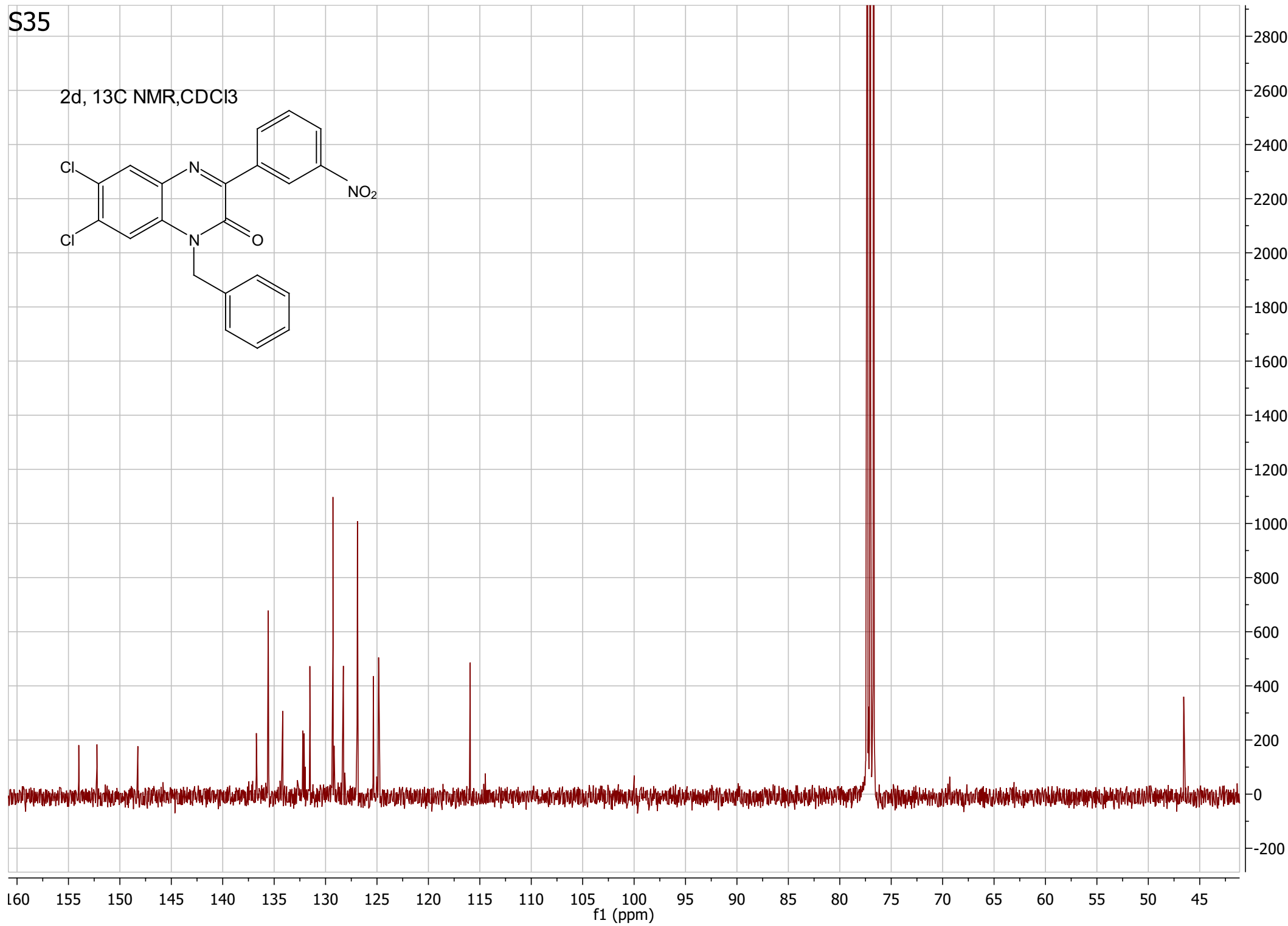
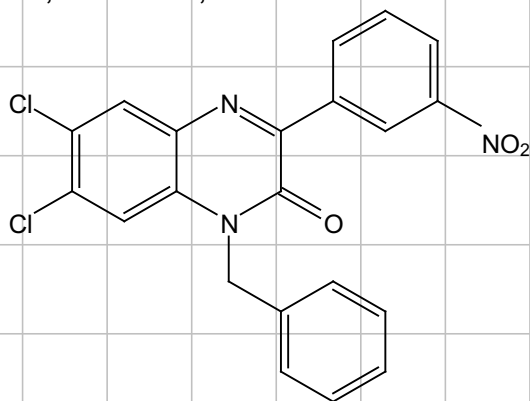
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2d, ¹H NMR, CDCl₃



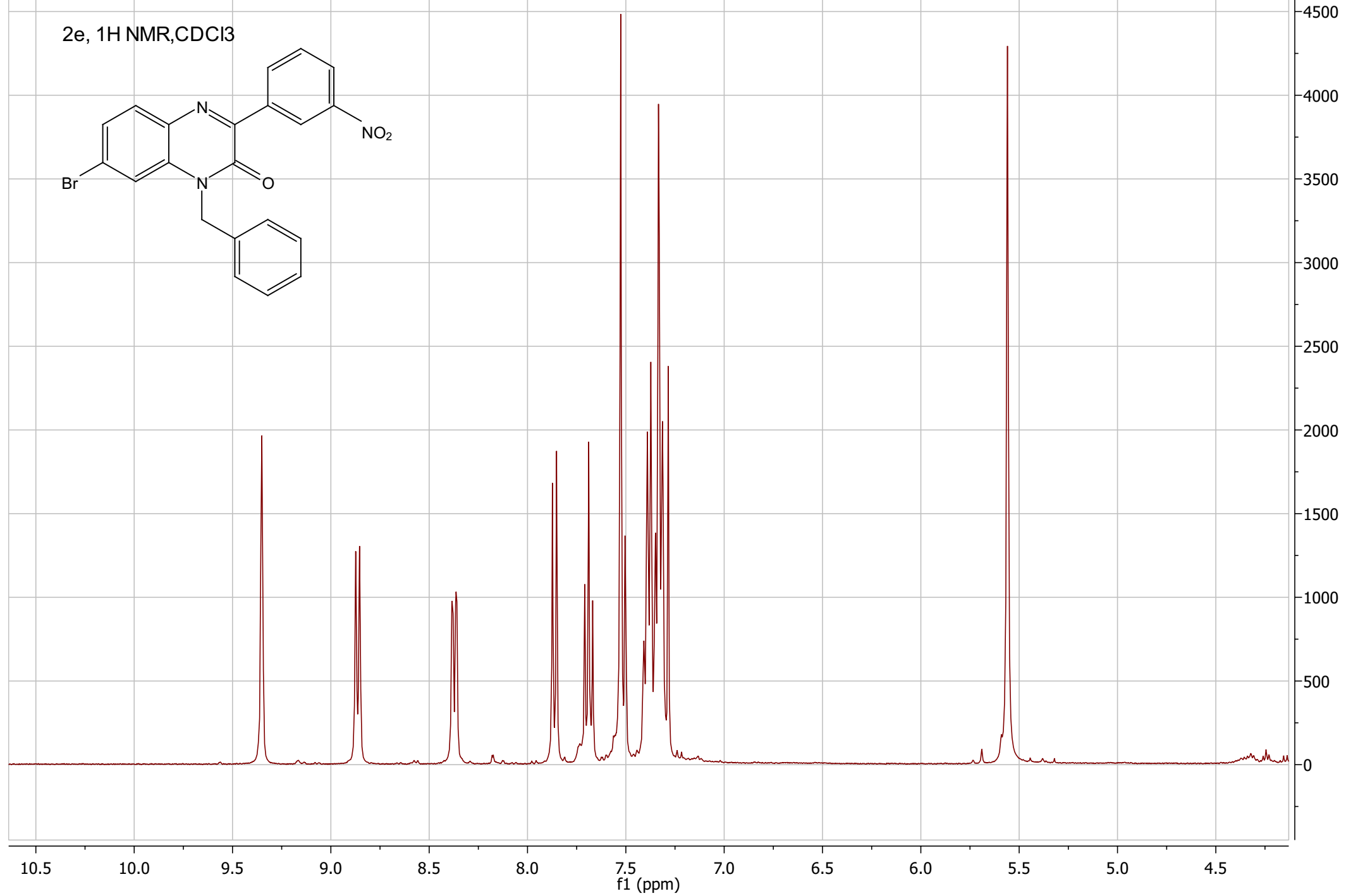
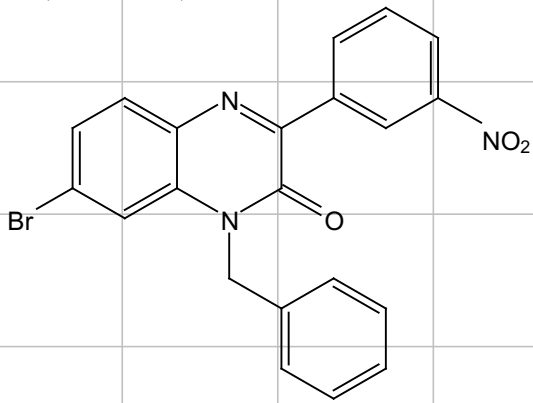
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2d, ¹³C NMR, CDCl₃



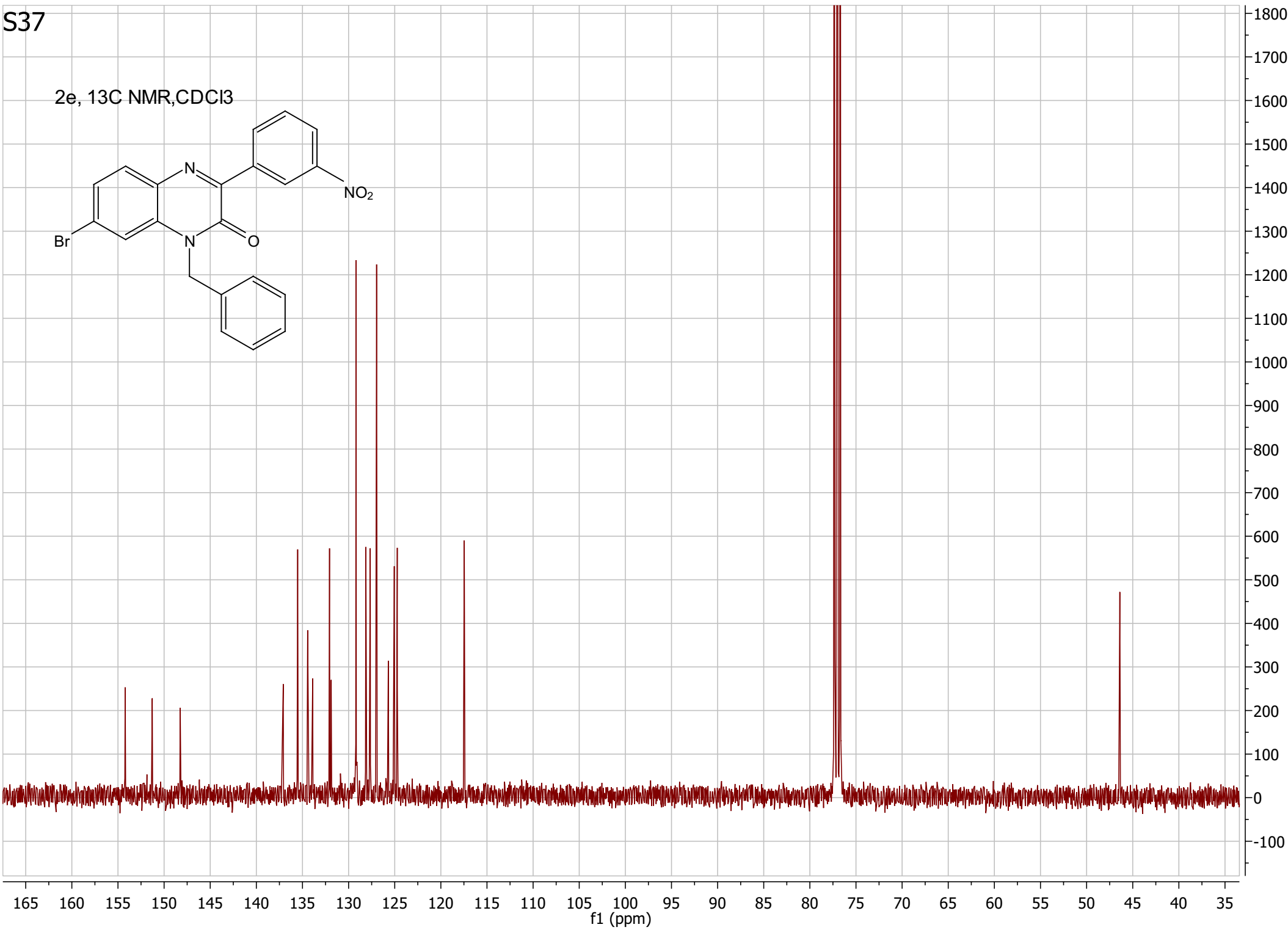
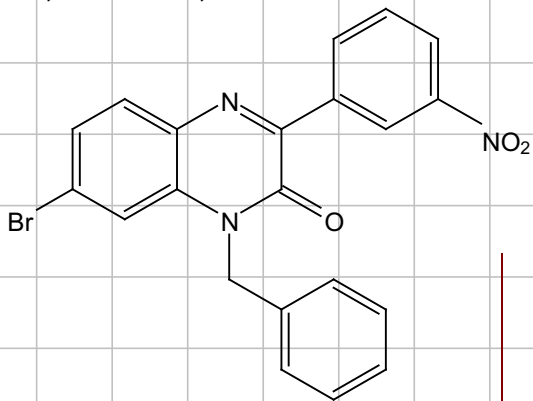
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2e, ¹H NMR, CDCl₃



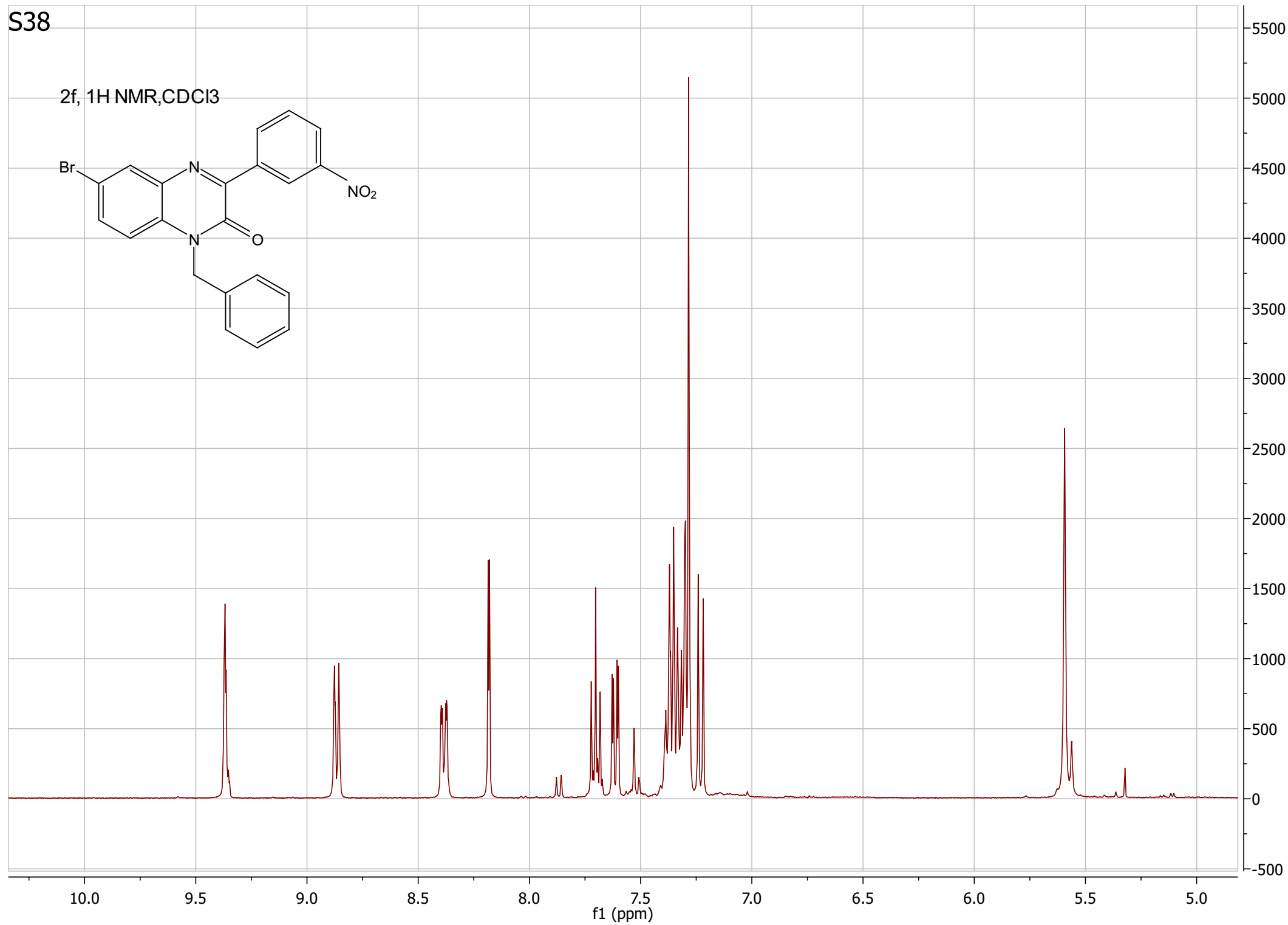
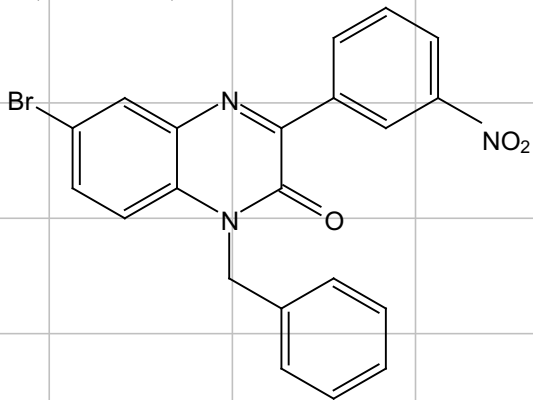
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2e, ¹³C NMR, CDCl₃



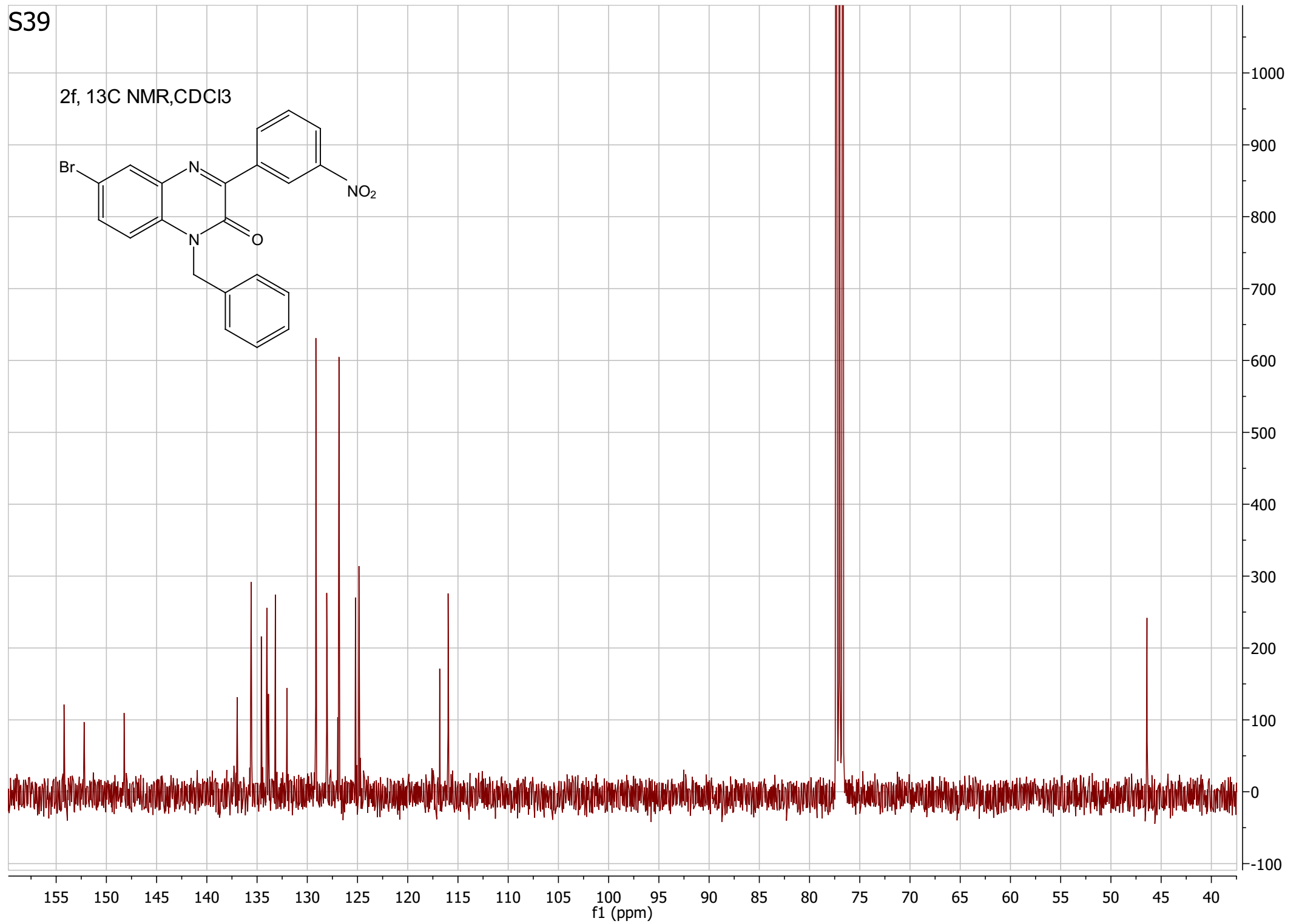
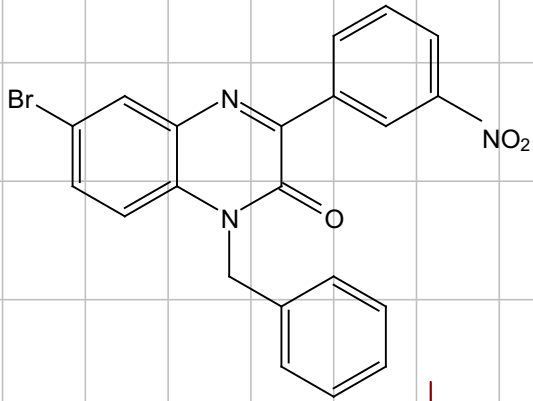
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2f, 1H NMR, CDCl3



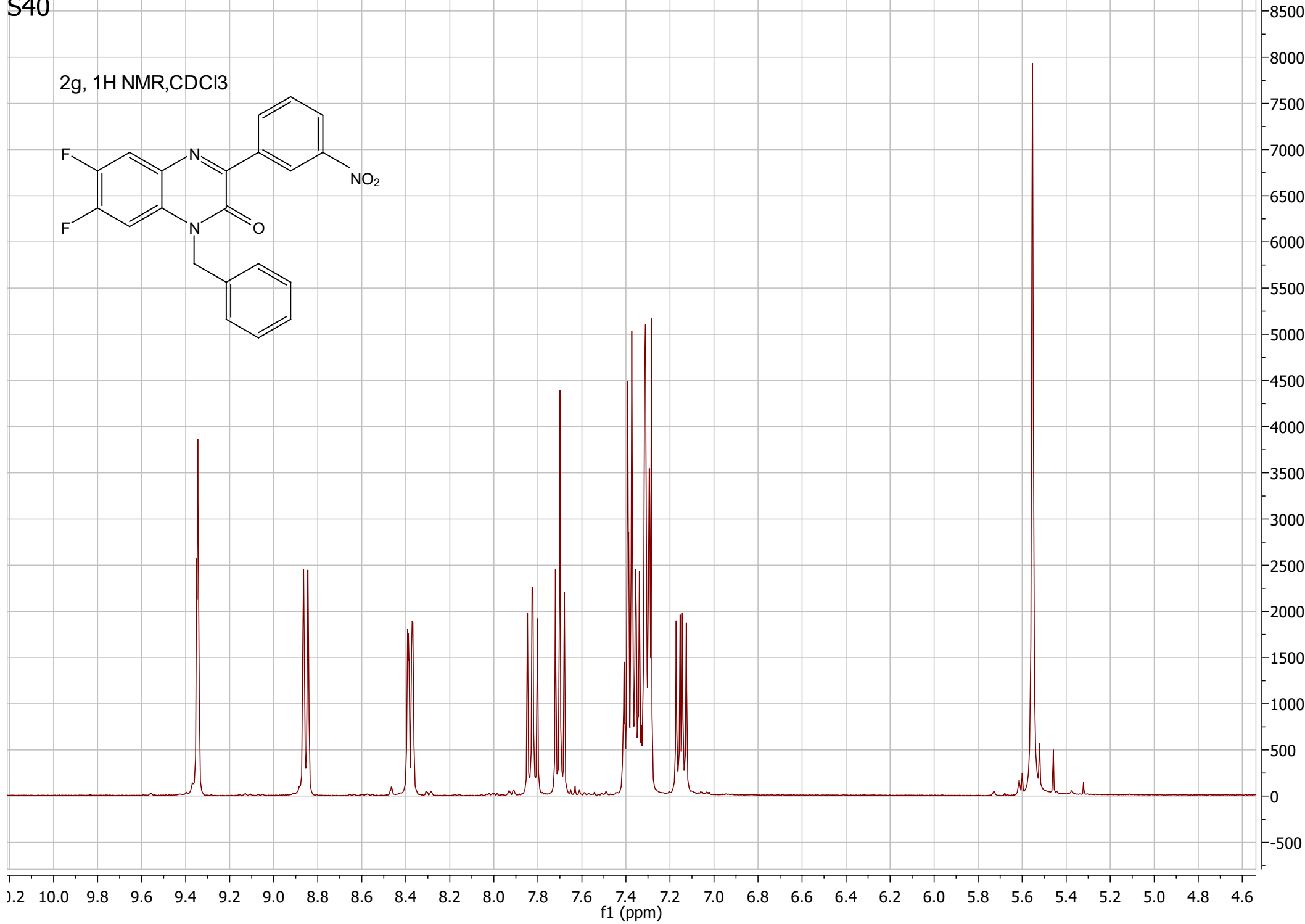
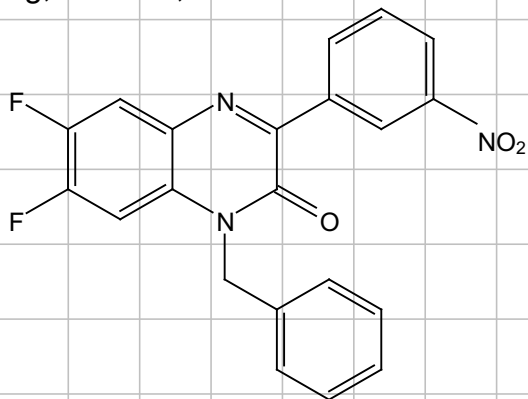
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2f, ¹³C NMR, CDCl₃



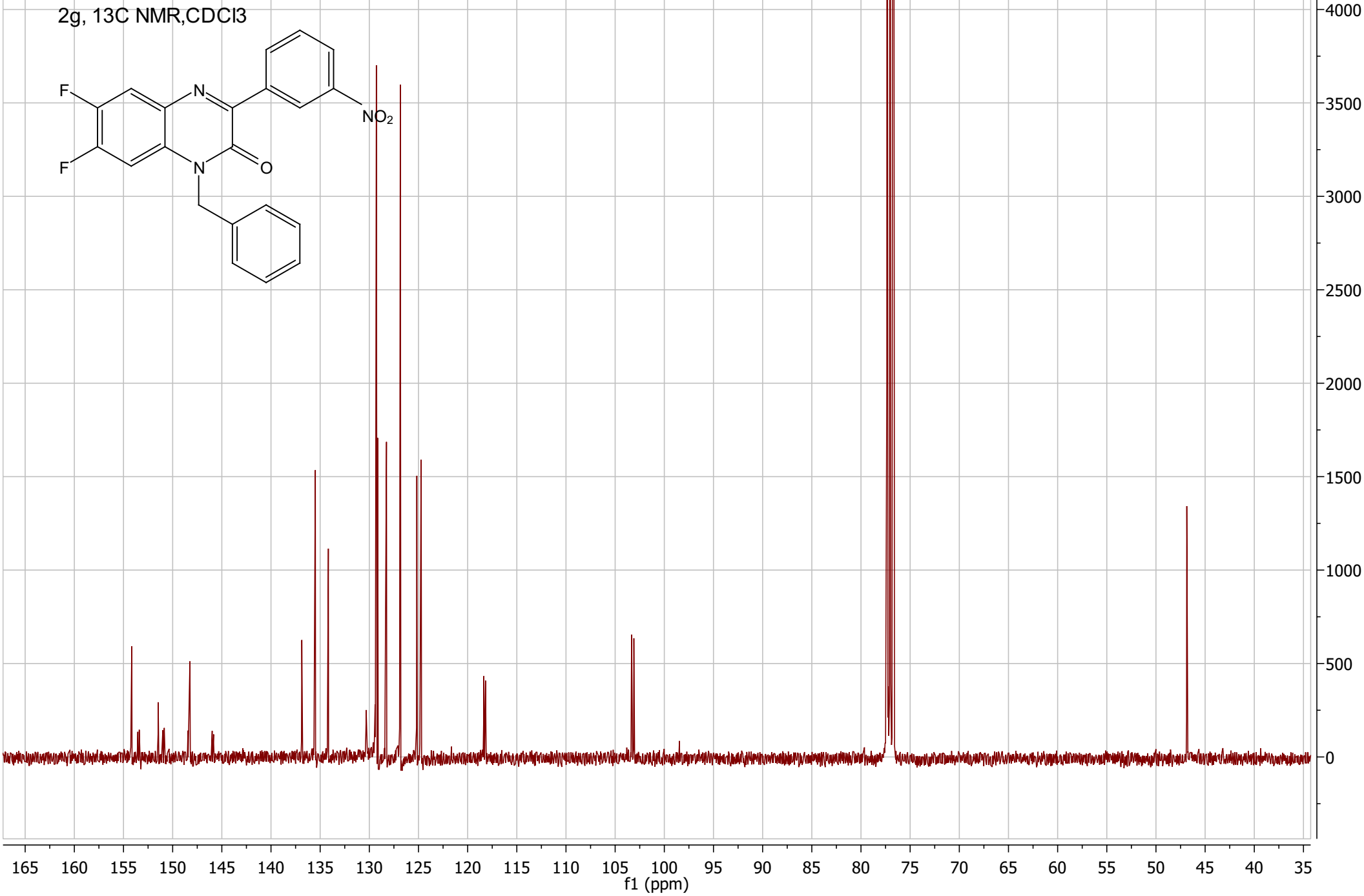
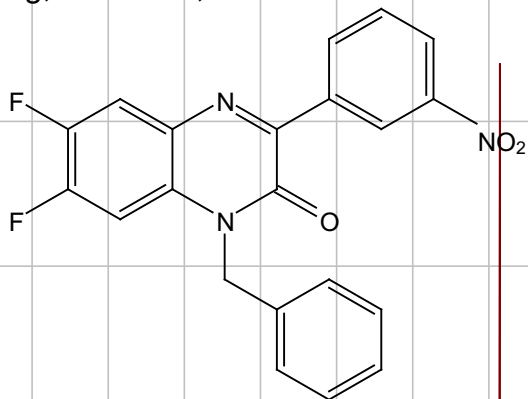
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2g, ¹H NMR, CDCl₃



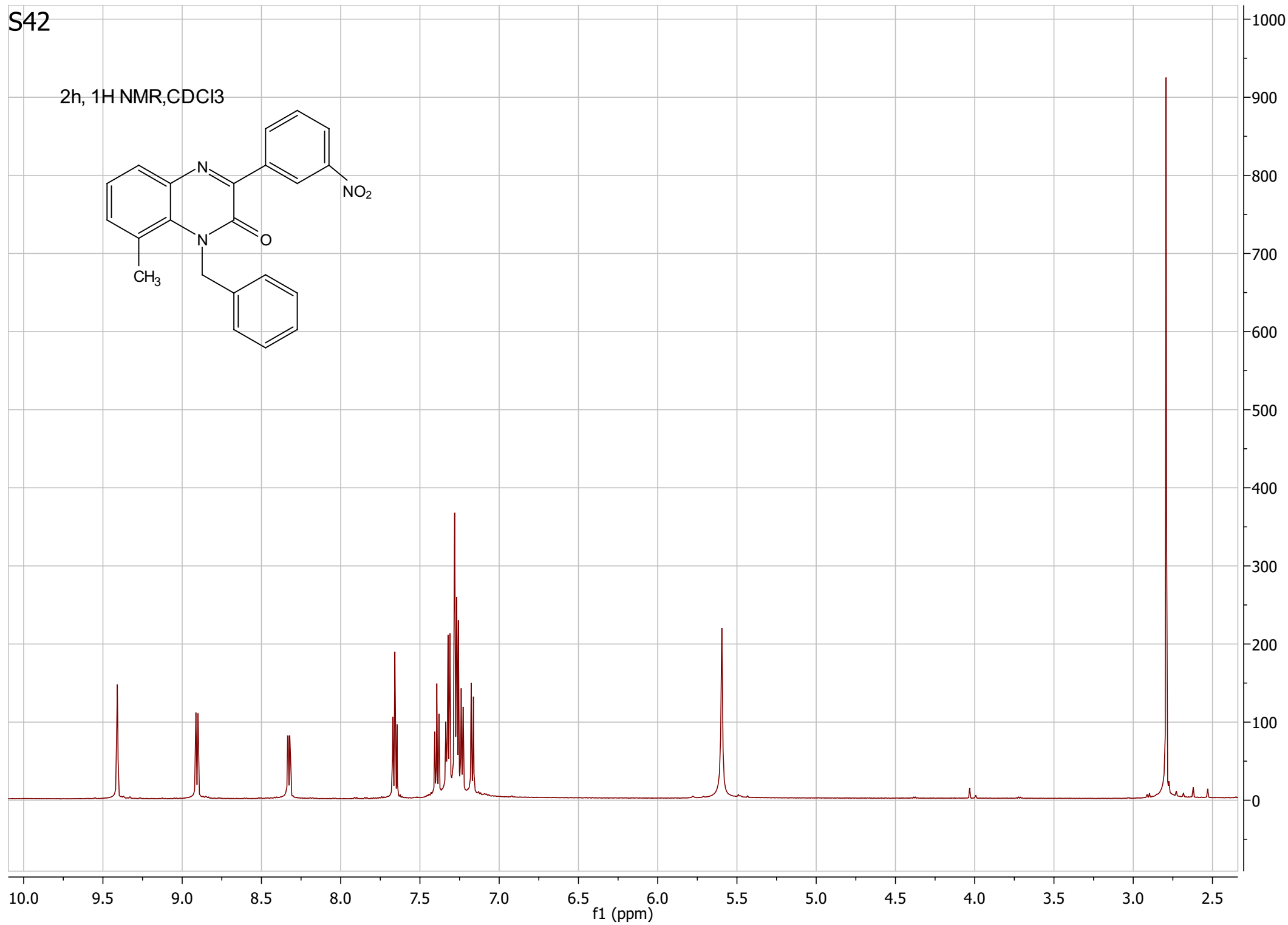
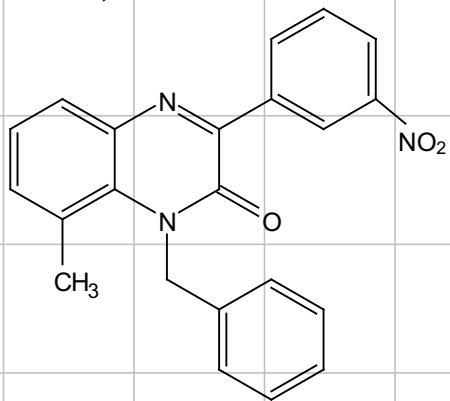
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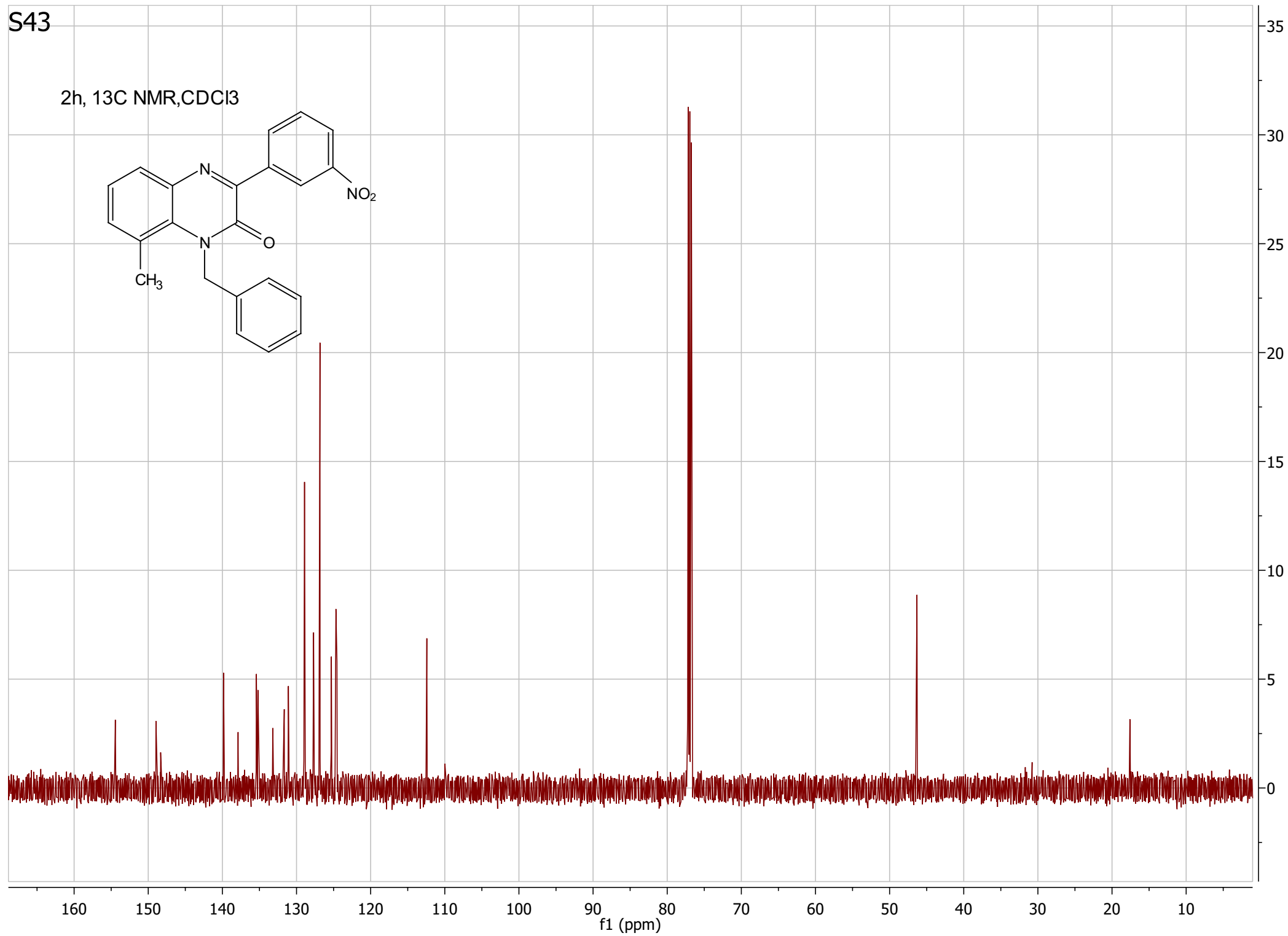
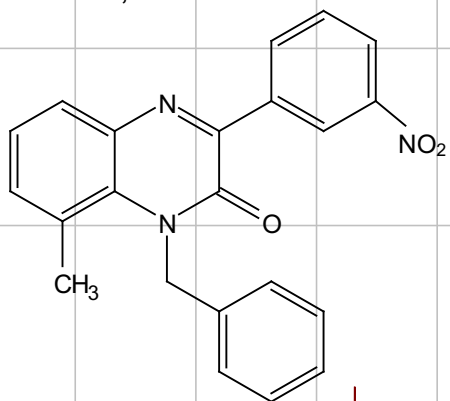
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2h, 1H NMR, CDCl3



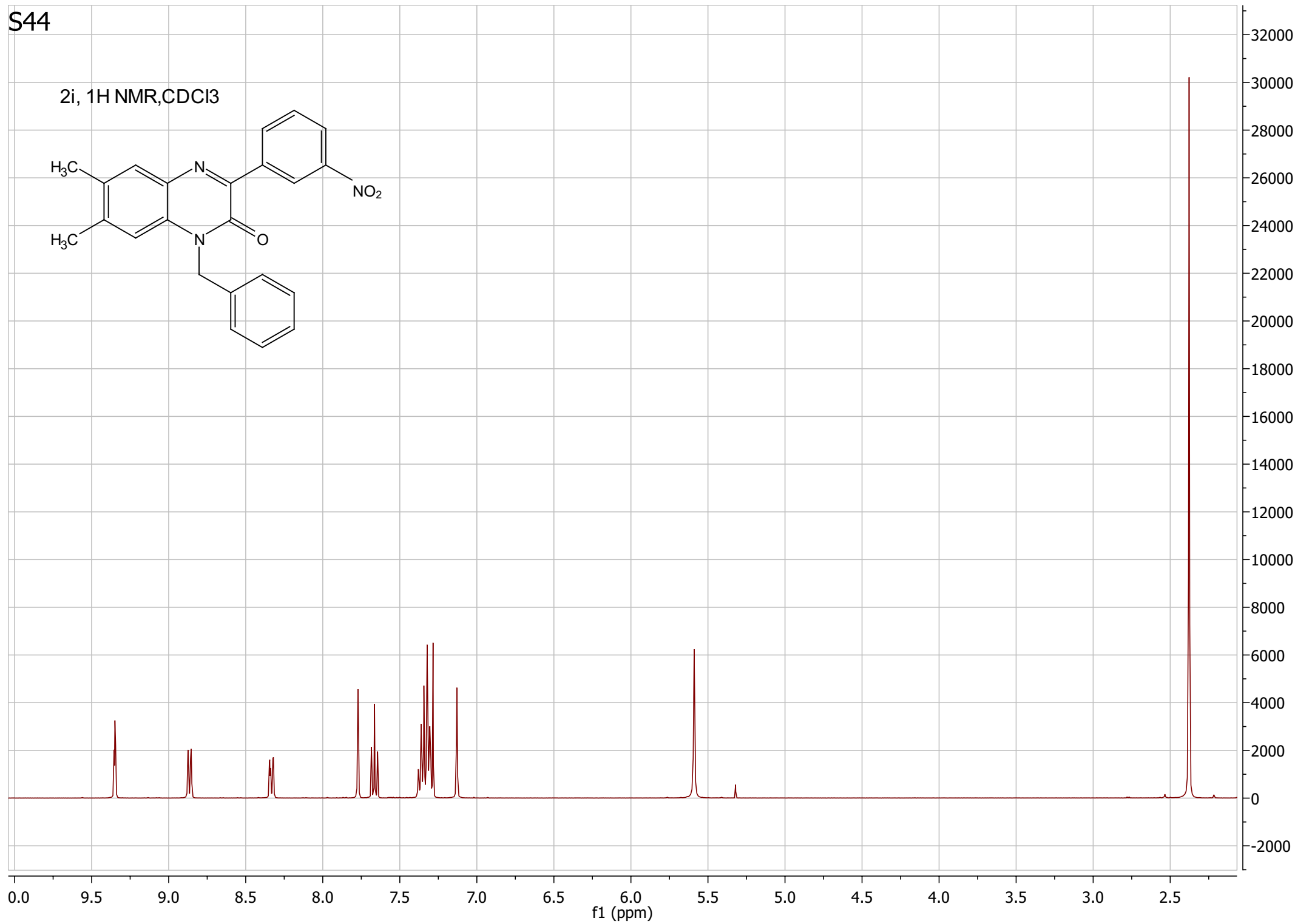
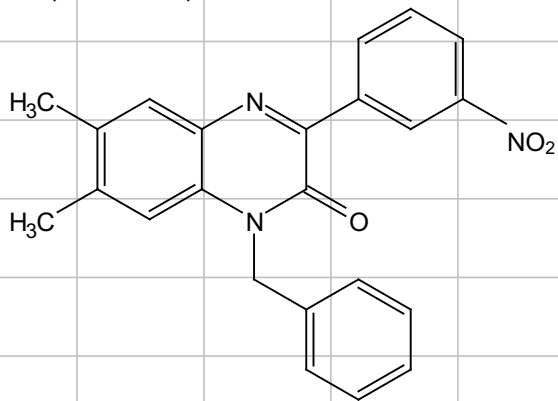
S43

2h, ¹³C NMR, CDCl₃



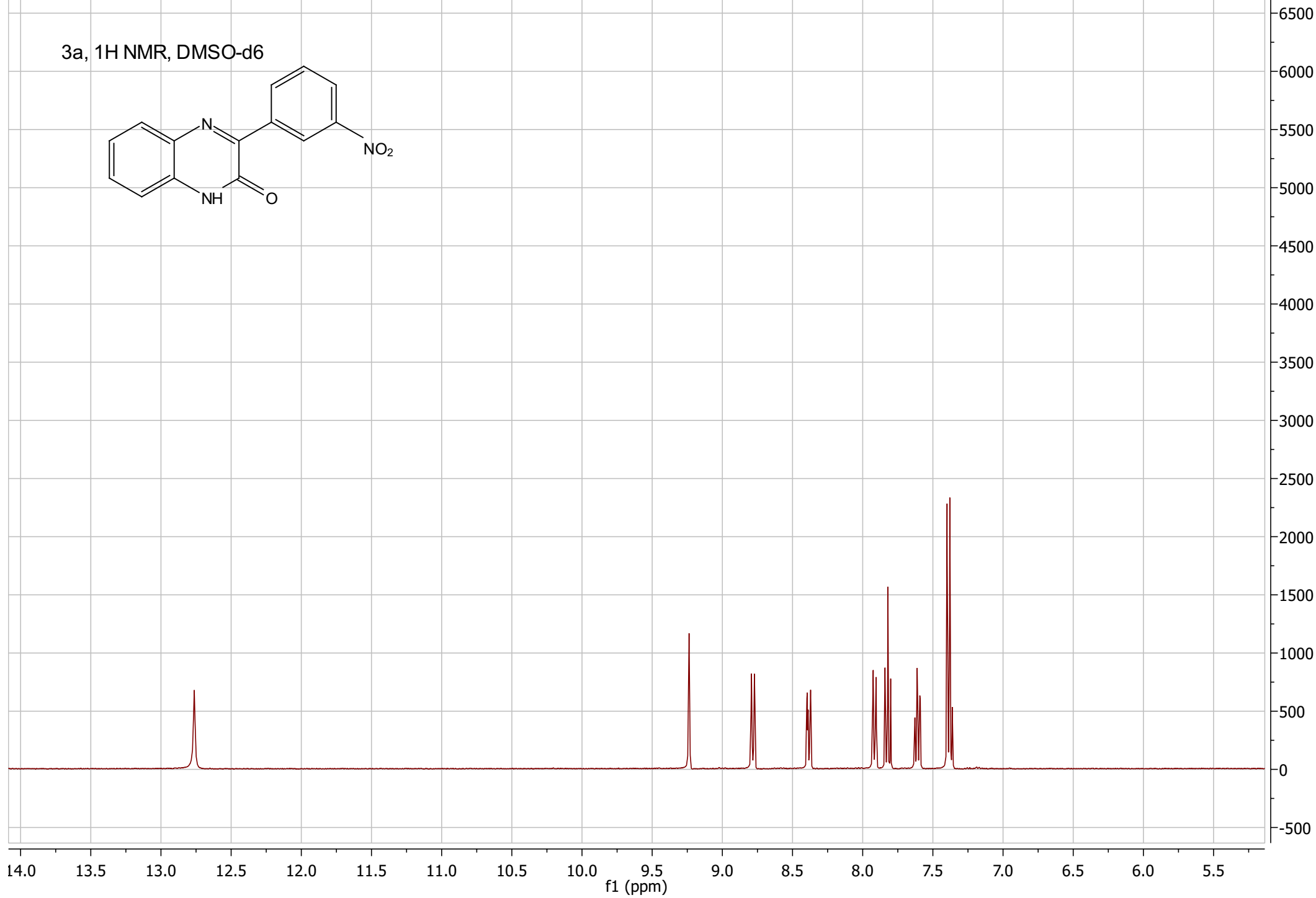
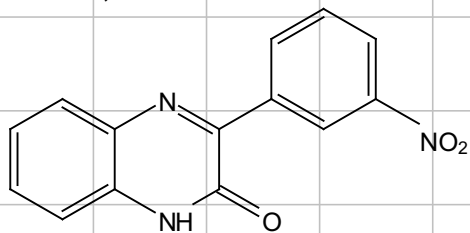
S44

2i, 1H NMR, CDCl3



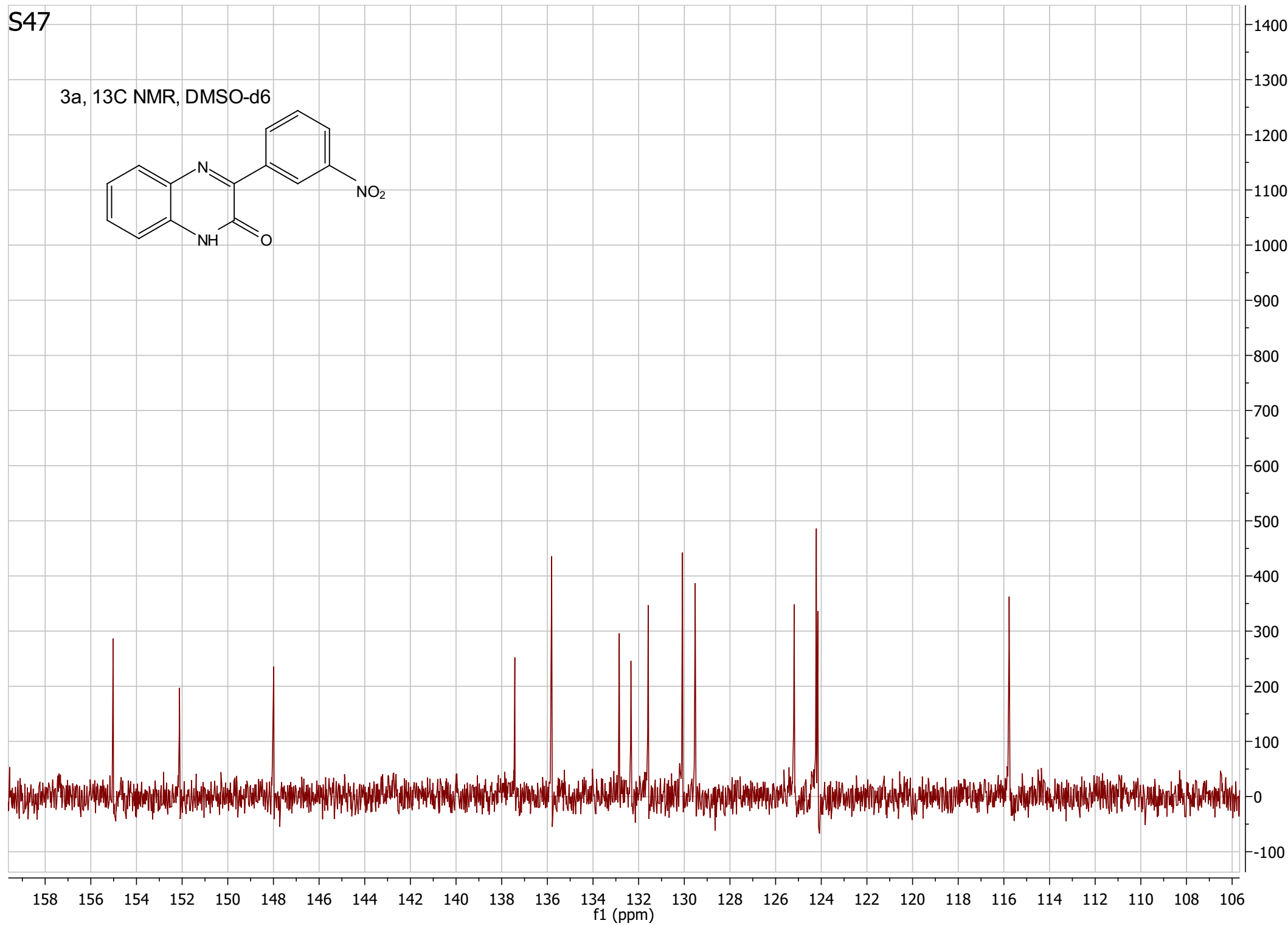
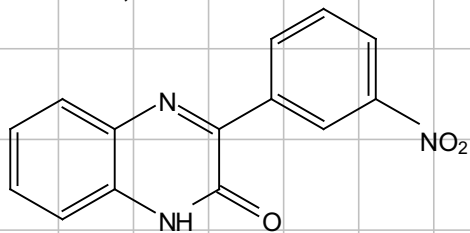
S46

3a, ¹H NMR, DMSO-d₆



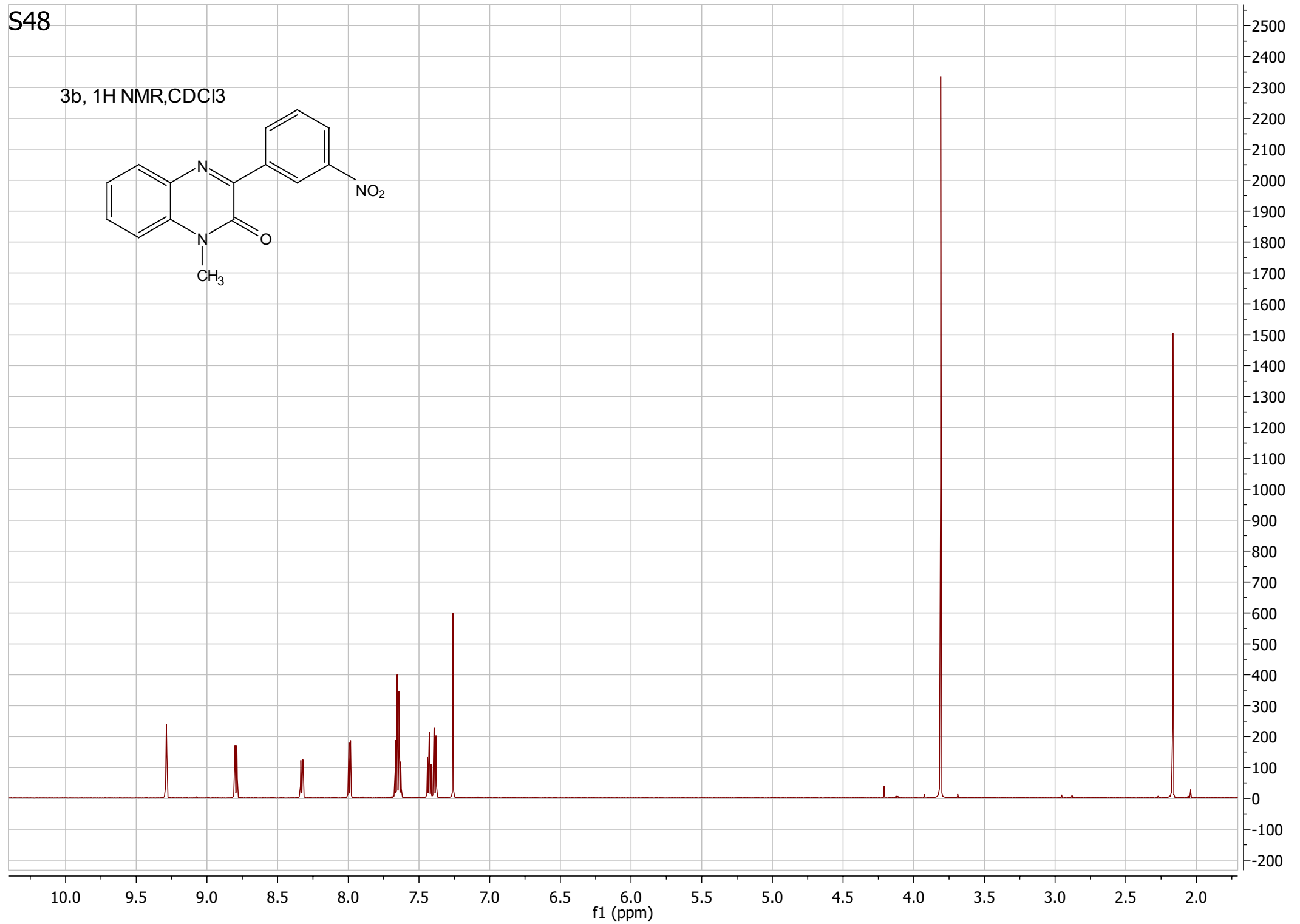
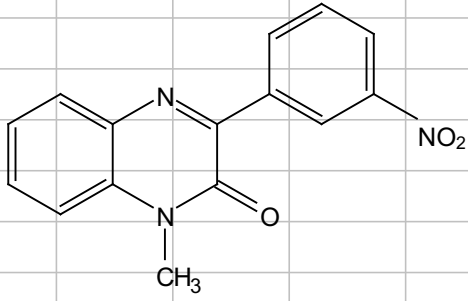
S47

3a, ¹³C NMR, DMSO-d₆



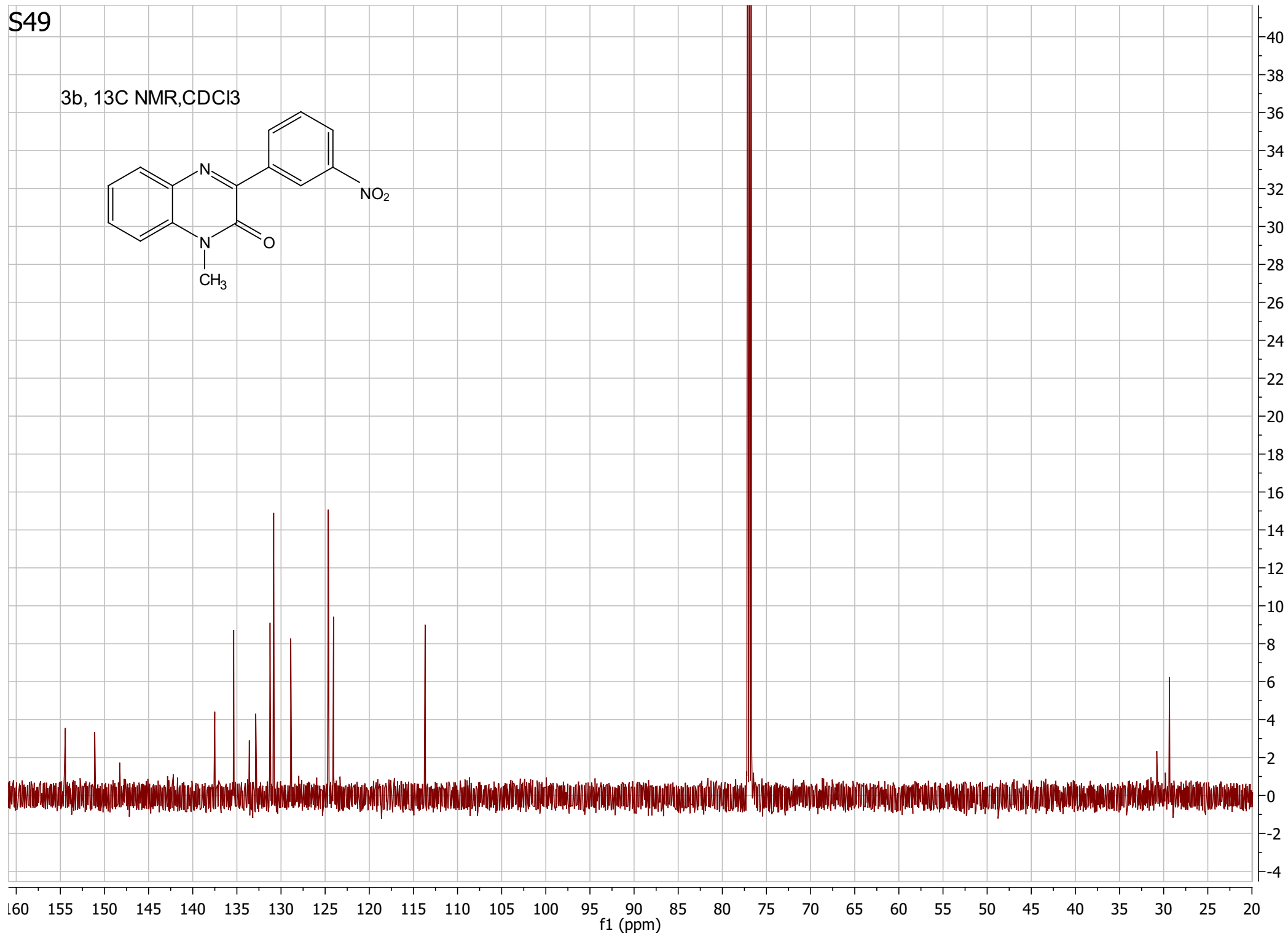
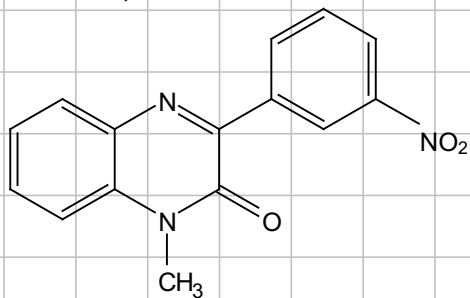
S48

3b, ¹H NMR, CDCl₃



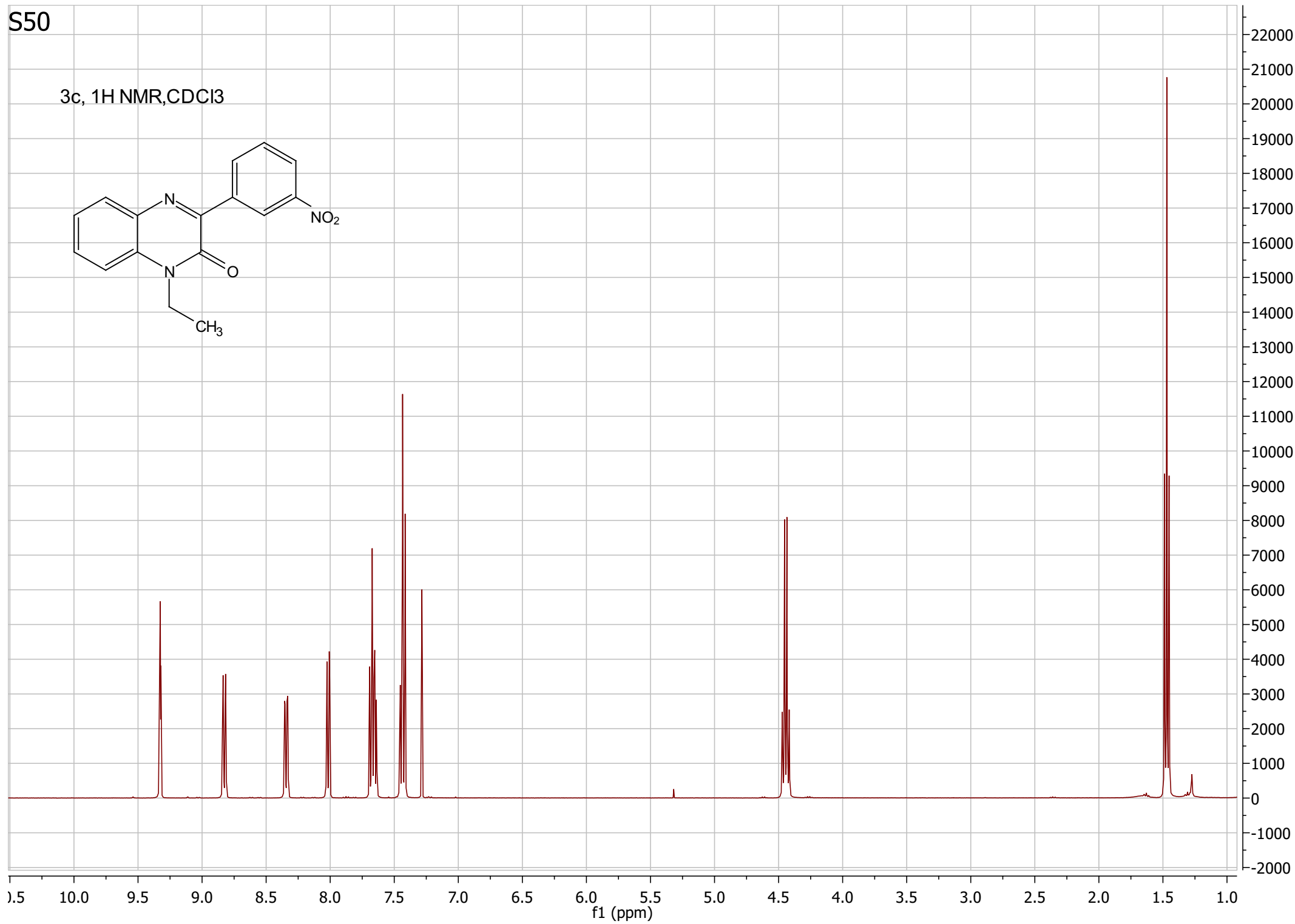
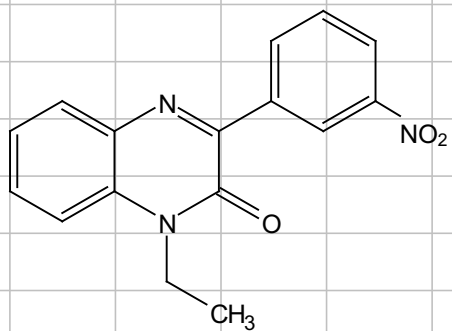
S49

3b, ¹³C NMR, CDCl₃



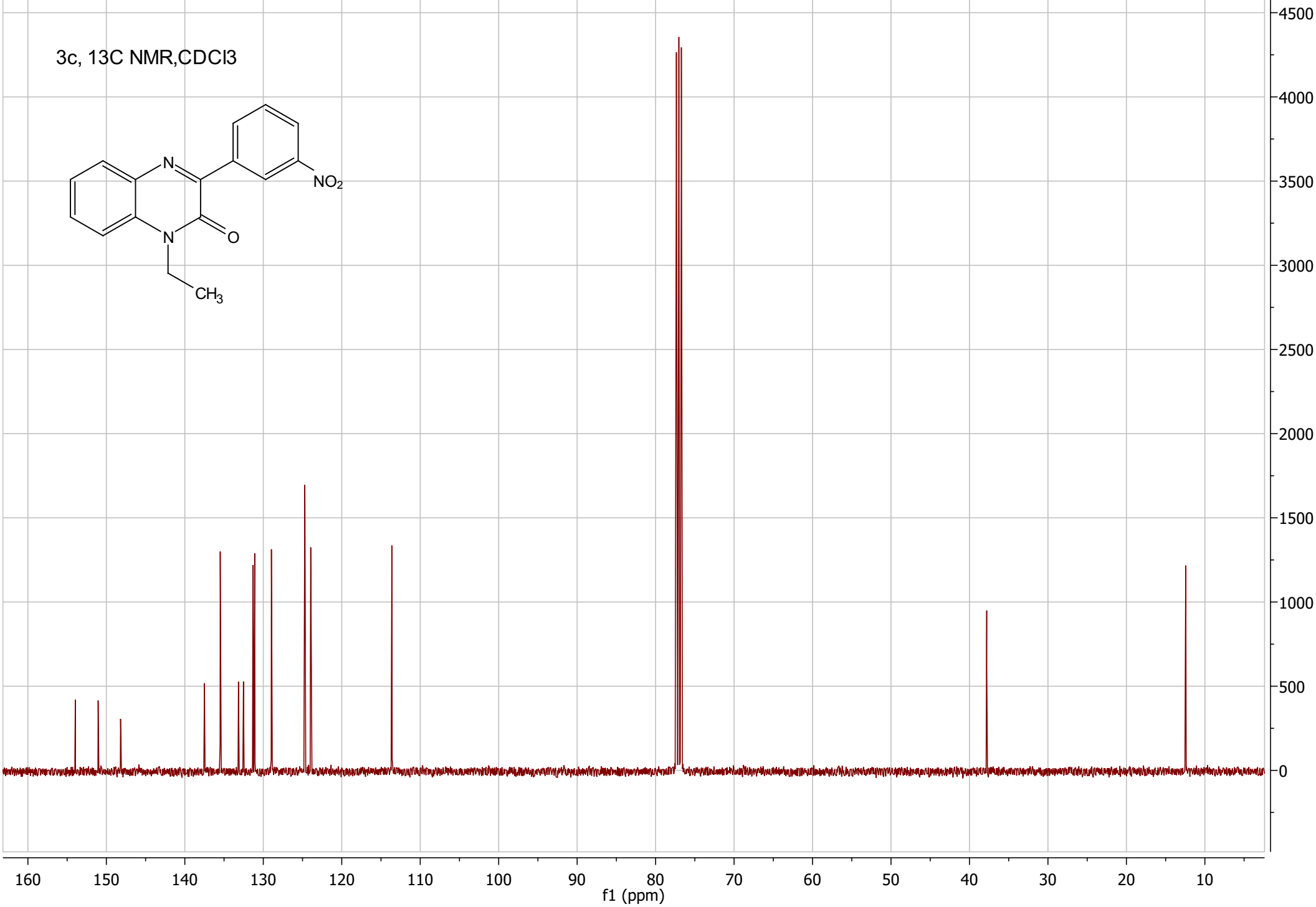
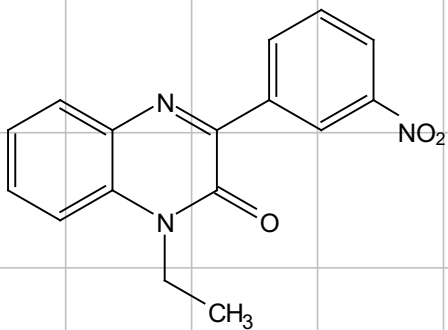
S50

3c, 1H NMR, CDCl3



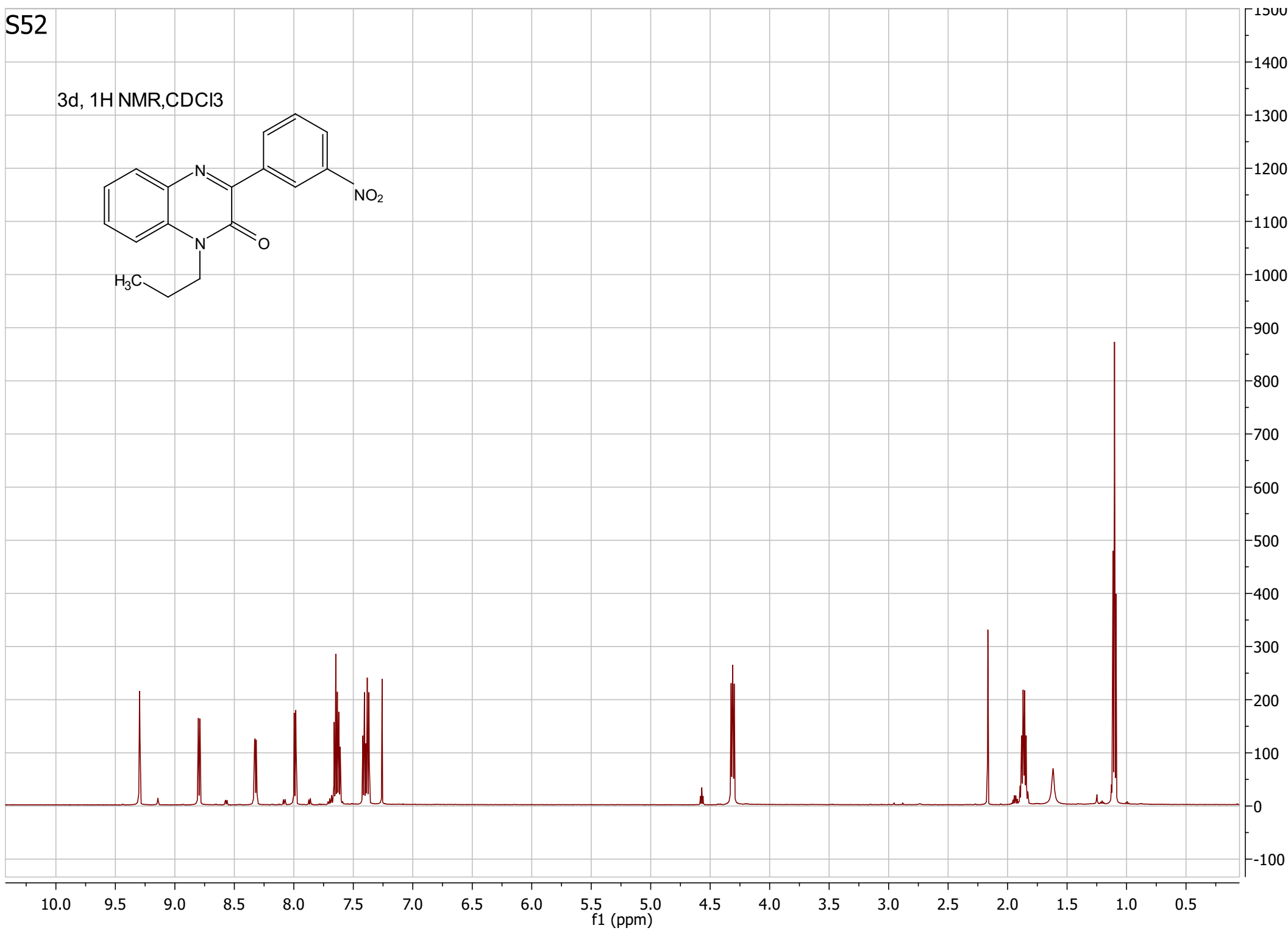
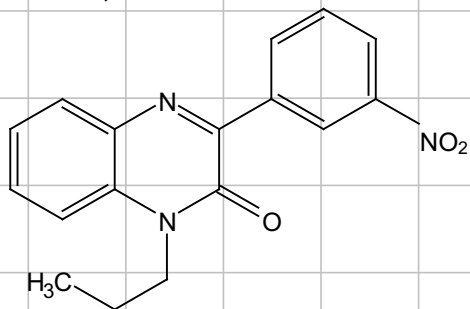
S51

3c, ¹³C NMR, CDCl₃



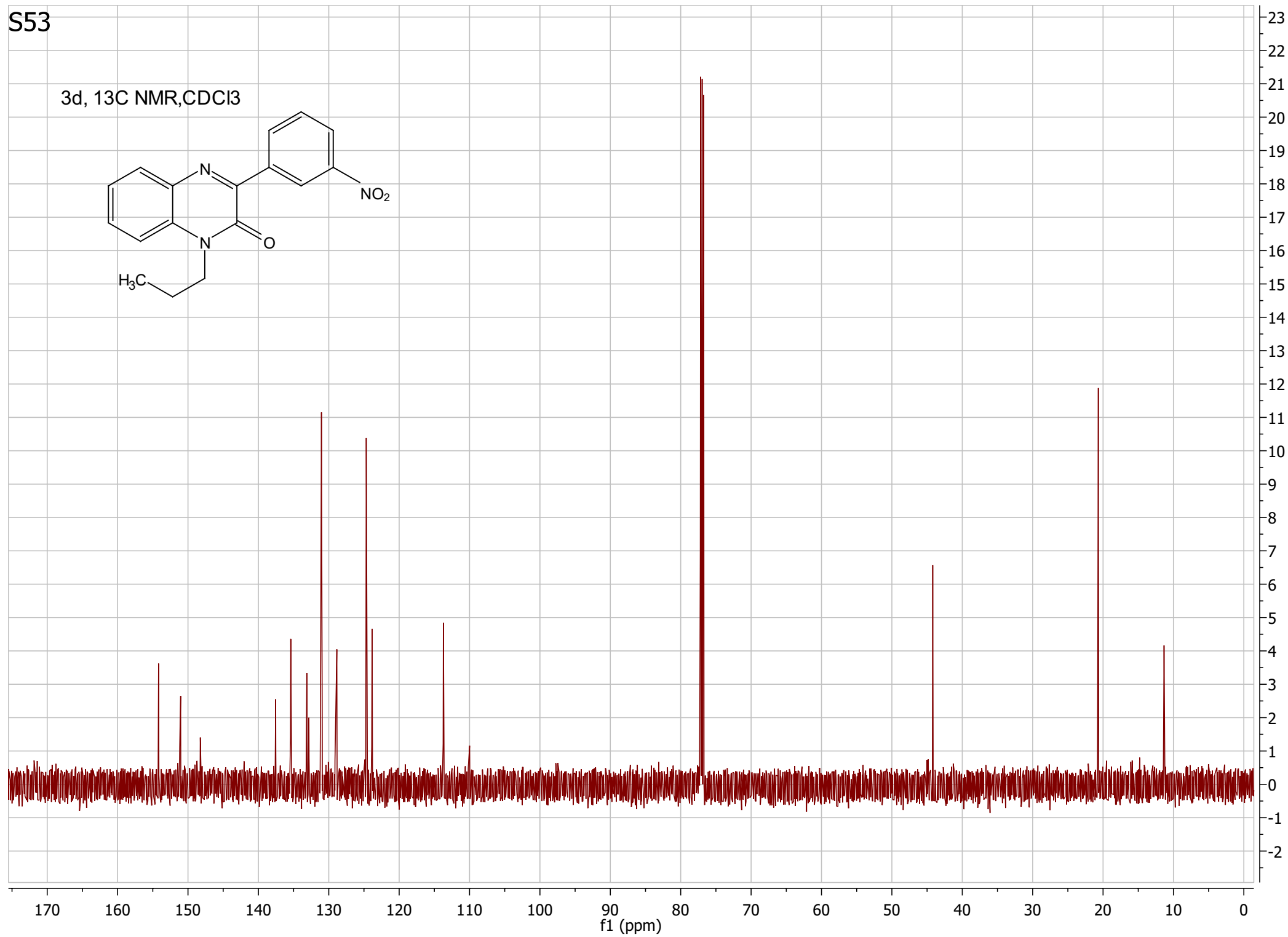
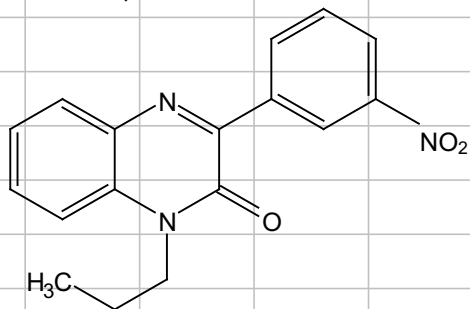
S52

3d, ¹H NMR, CDCl₃



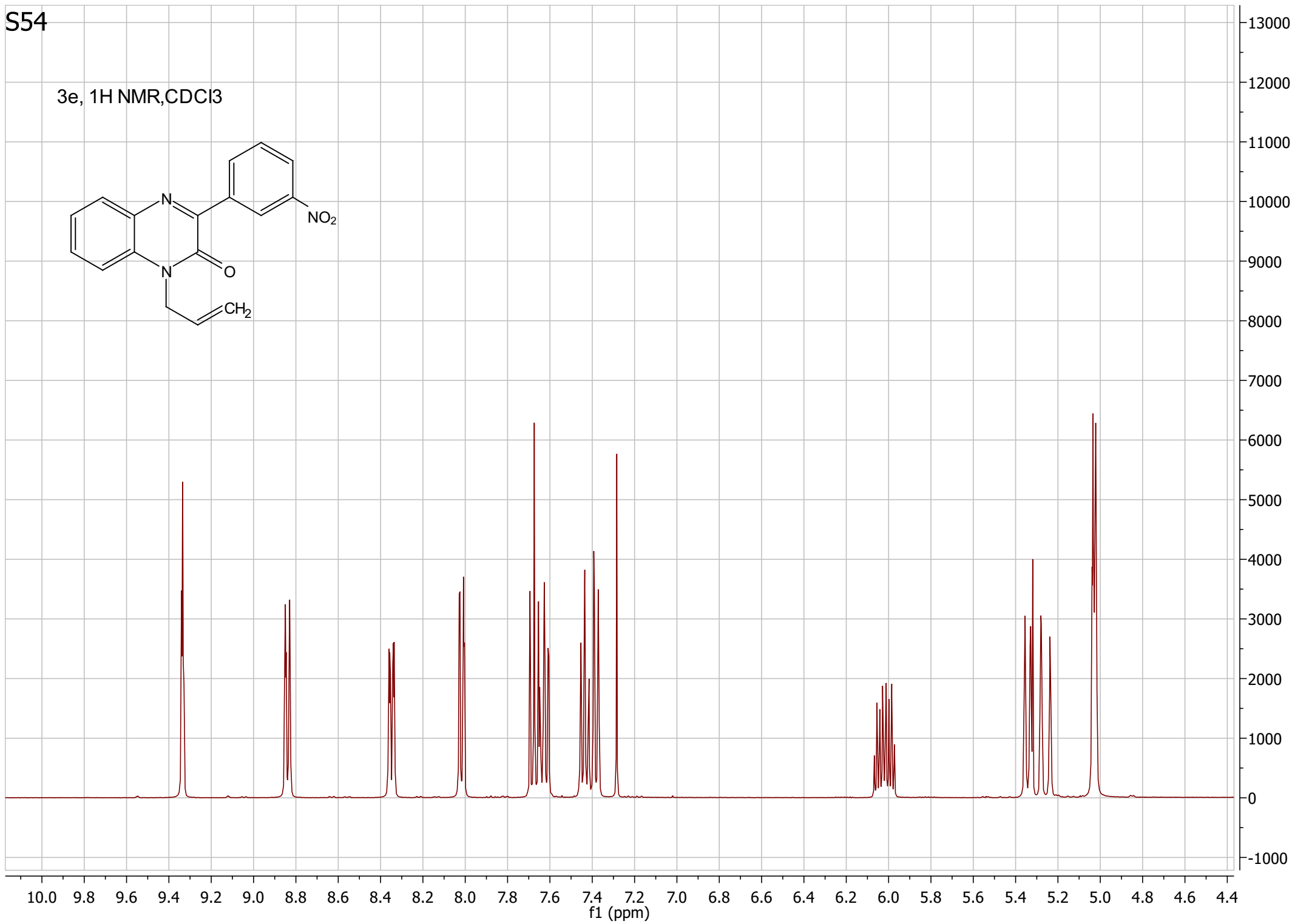
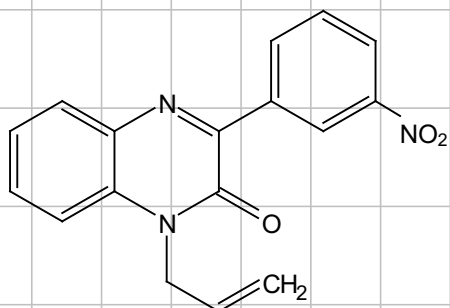
S53

3d, ¹³C NMR, CDCl₃



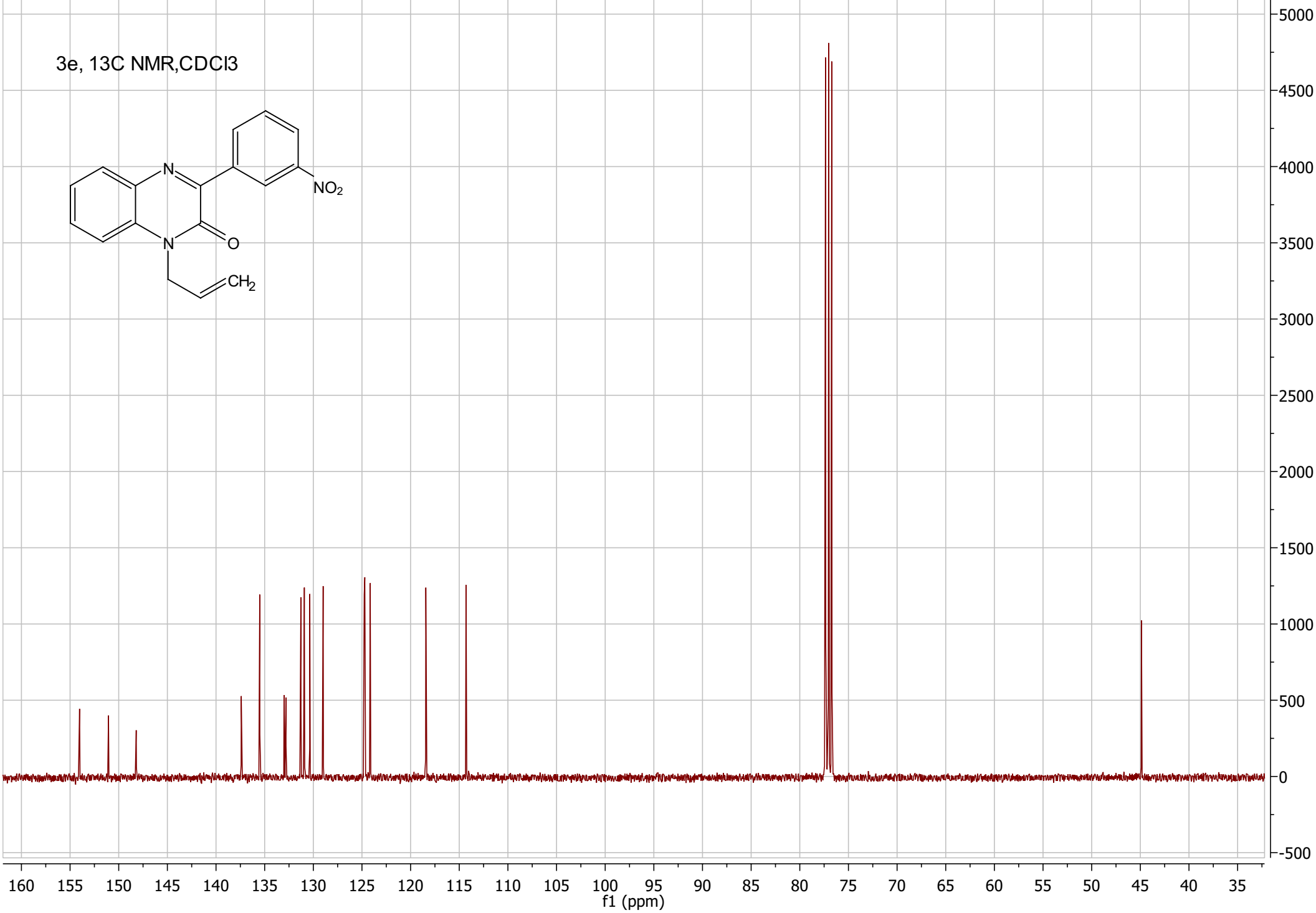
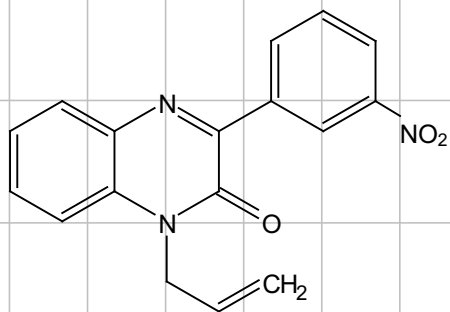
S54

3e, 1H NMR, CDCl3



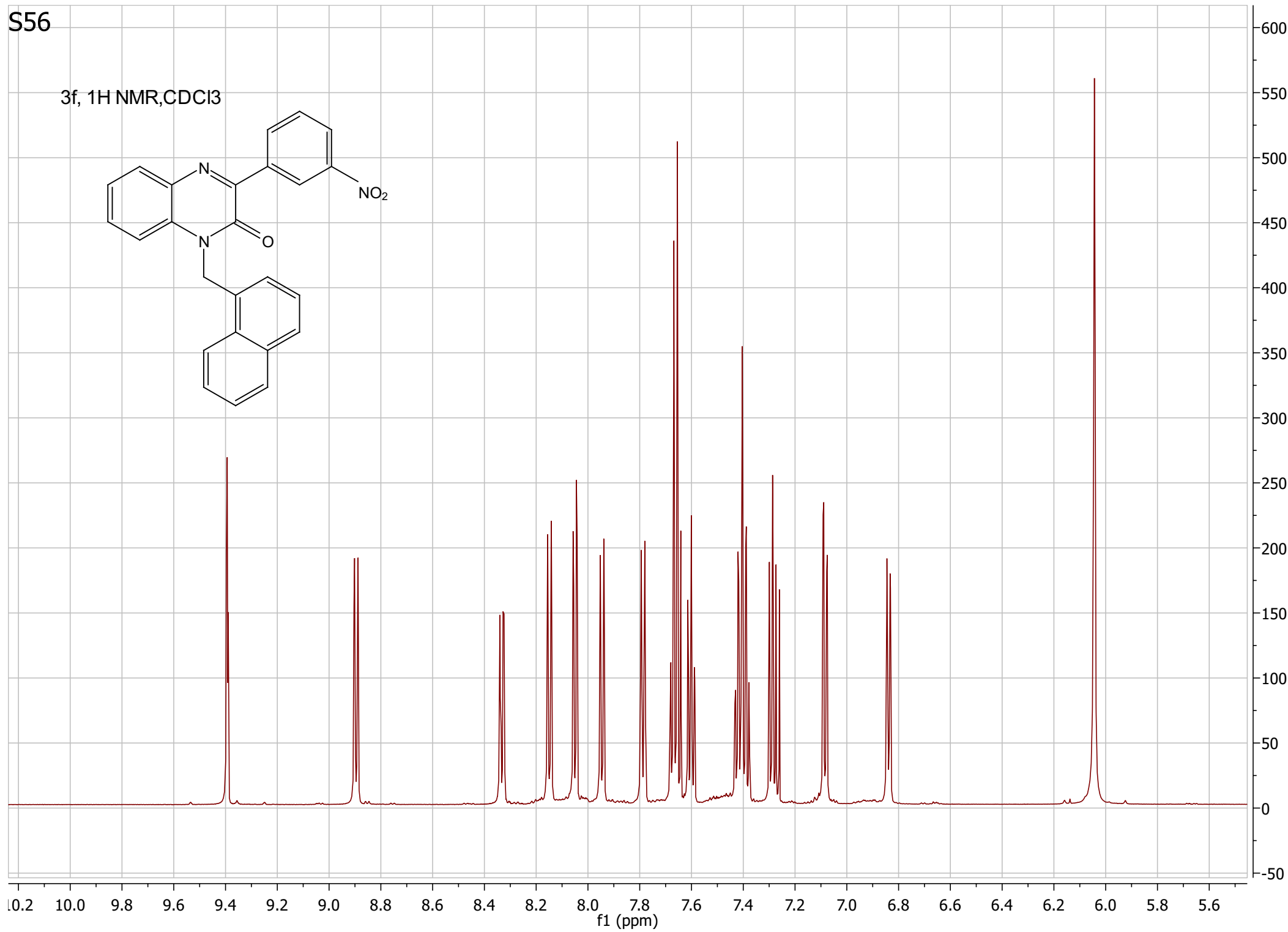
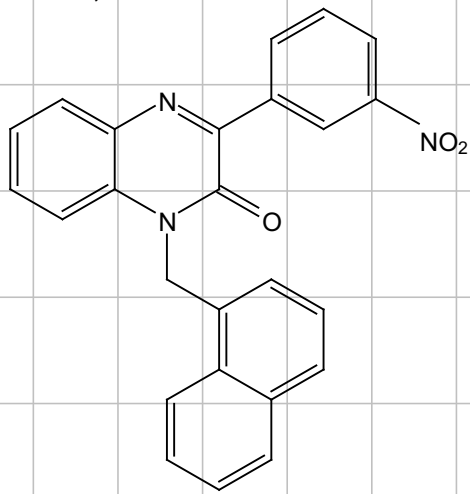
S55

3e, ¹³C NMR, CDCl₃



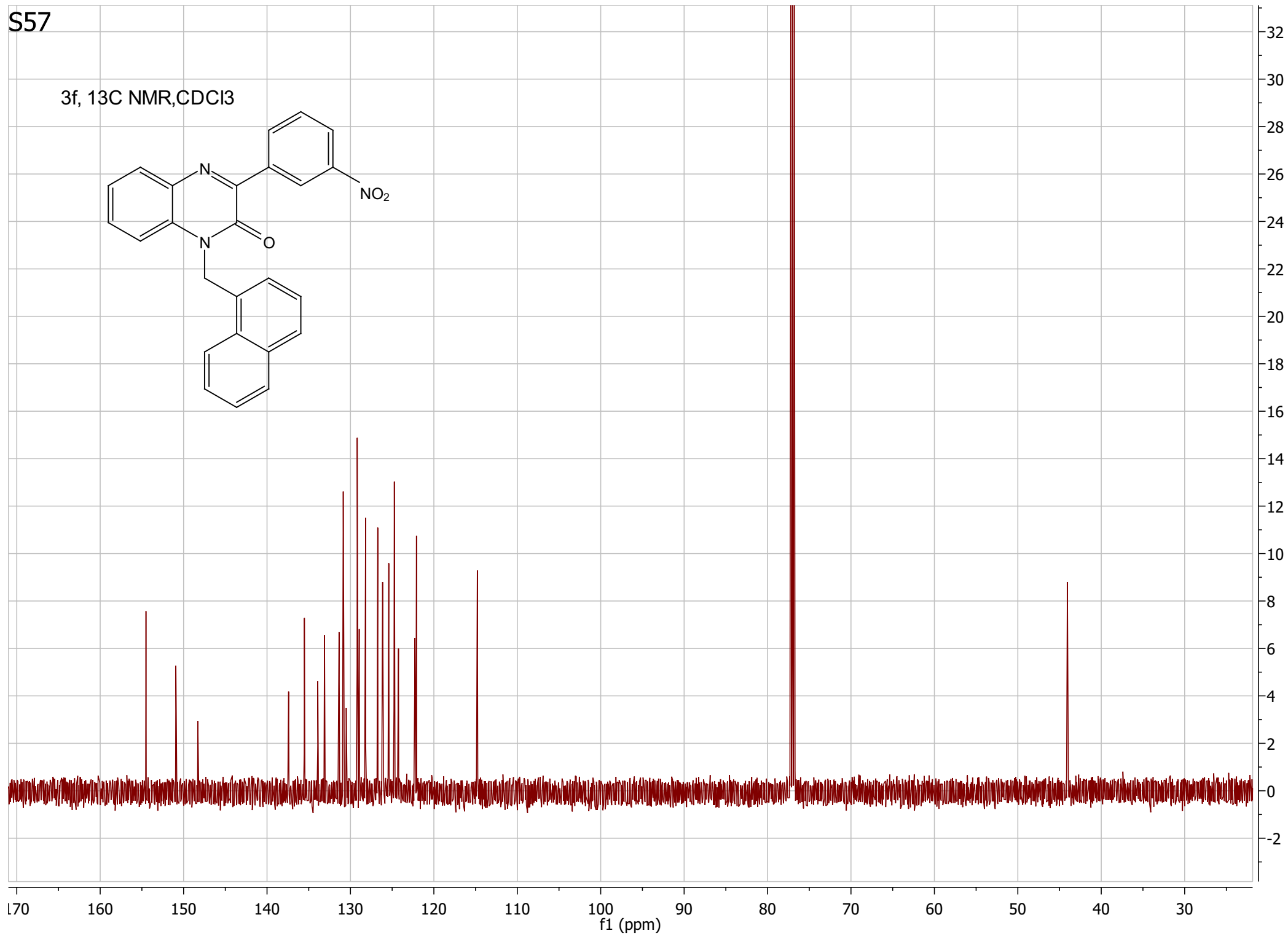
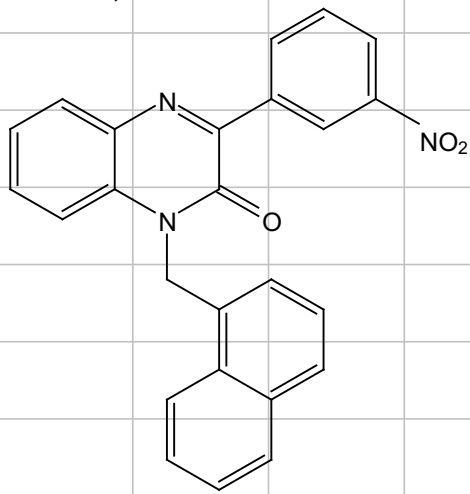
S56

3f, 1H NMR, CDCl3



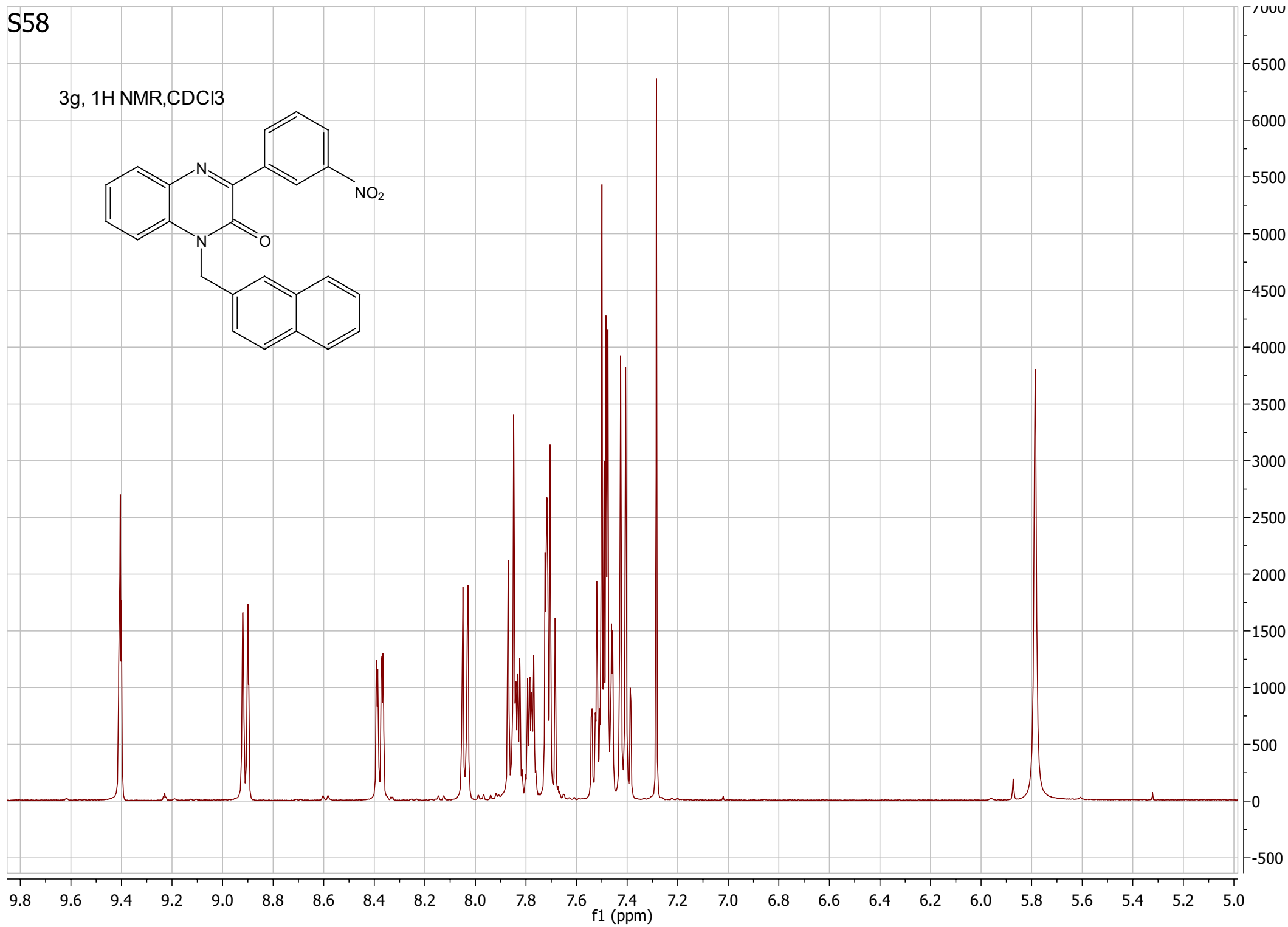
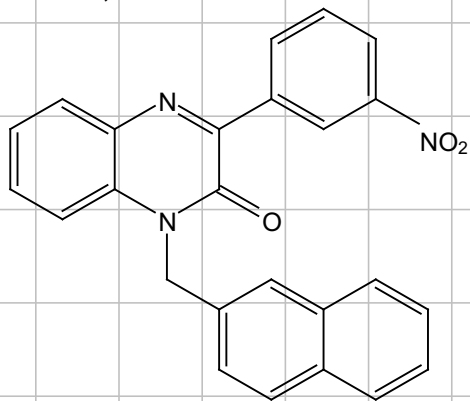
S57

3f, ¹³C NMR, CDCl₃



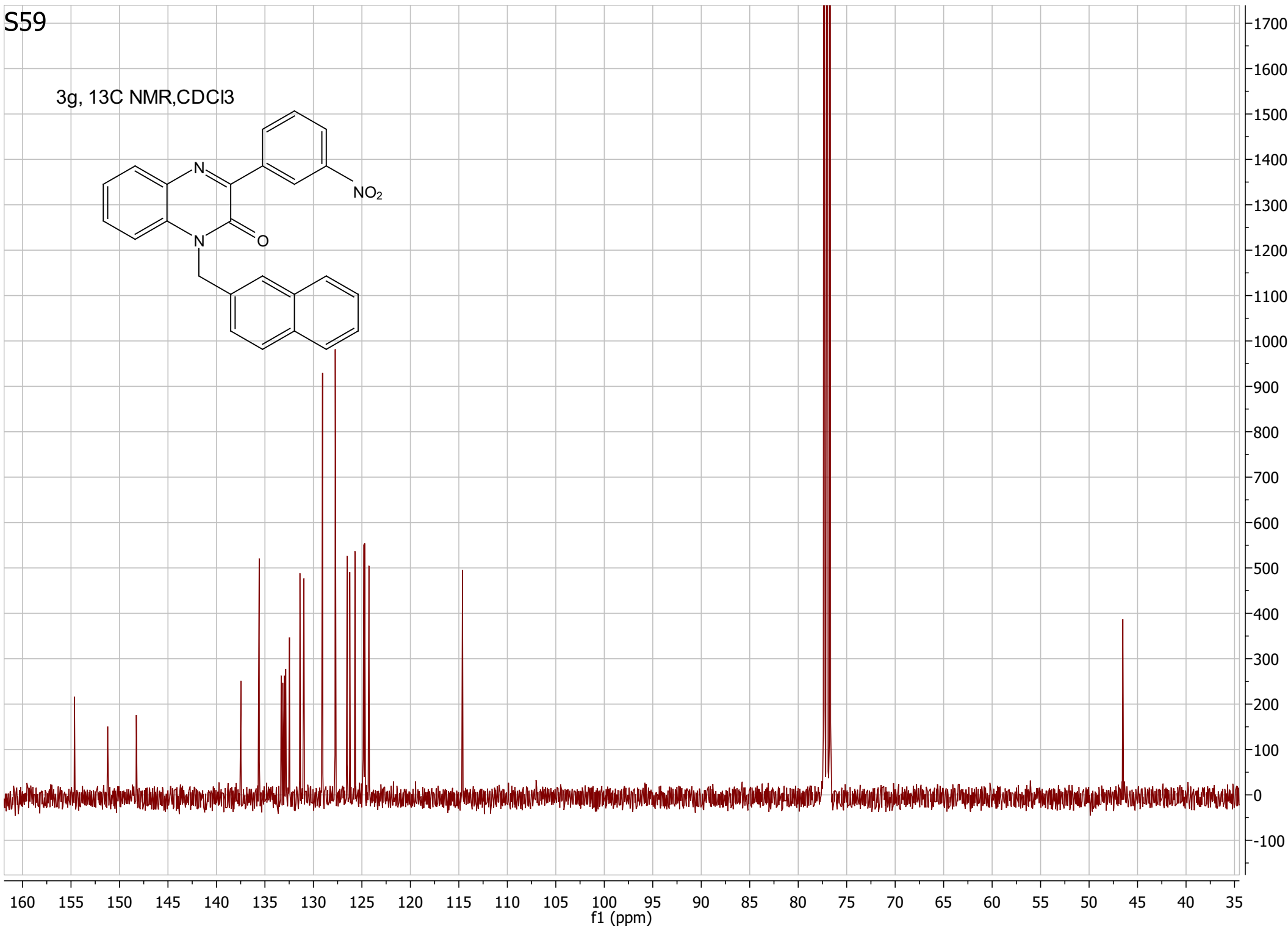
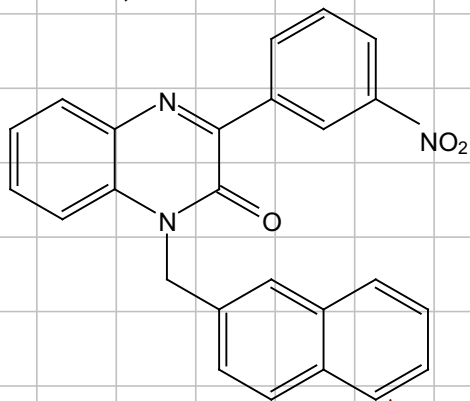
S58

3g, ¹H NMR, CDCl₃



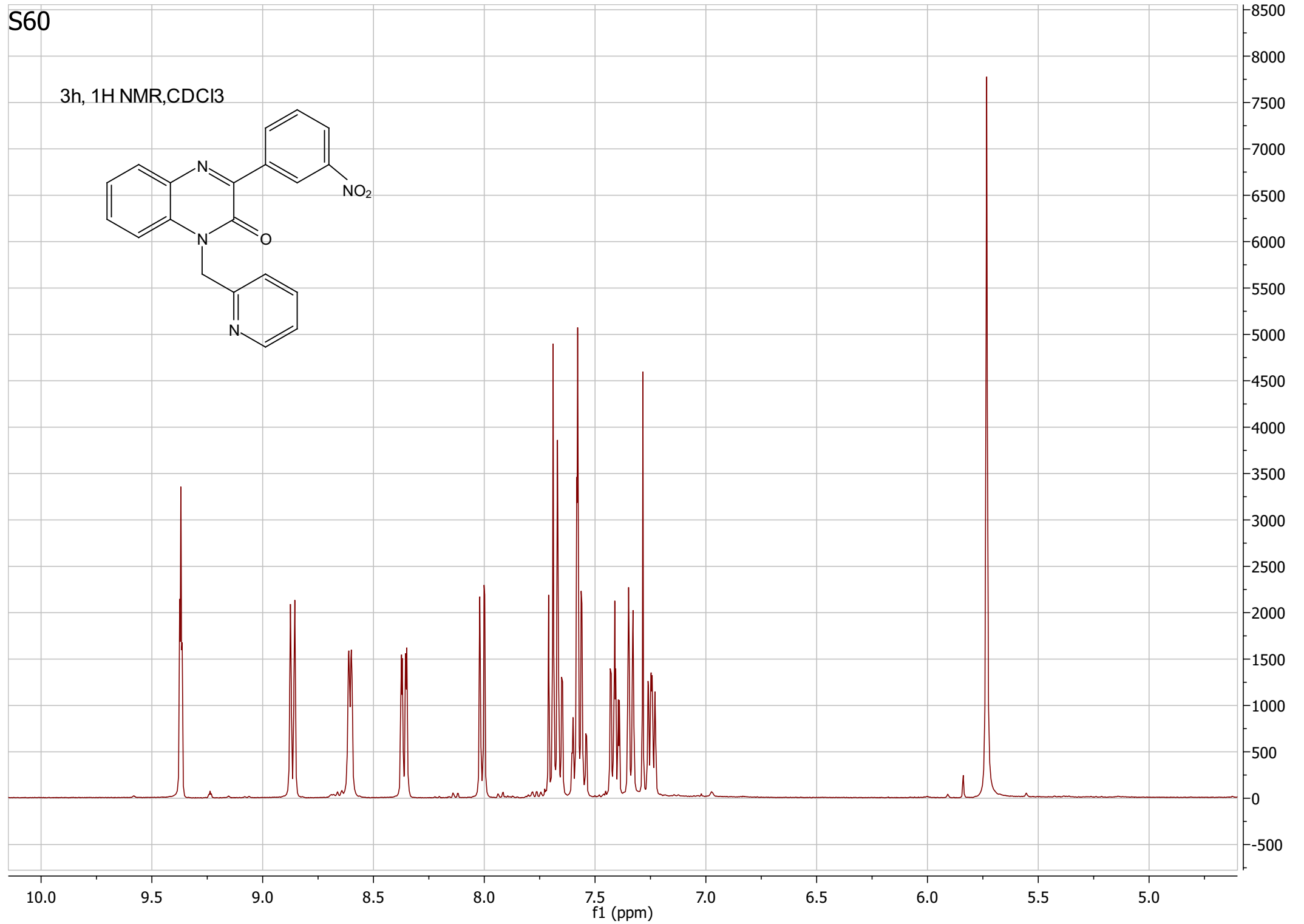
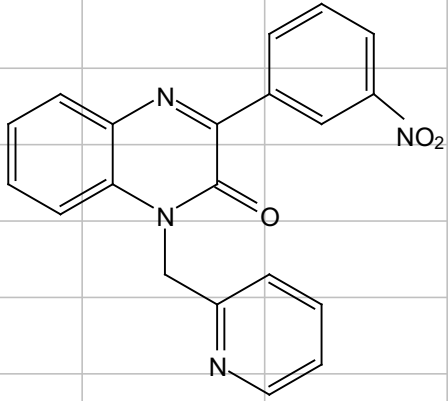
S59

3g, ¹³C NMR, CDCl₃



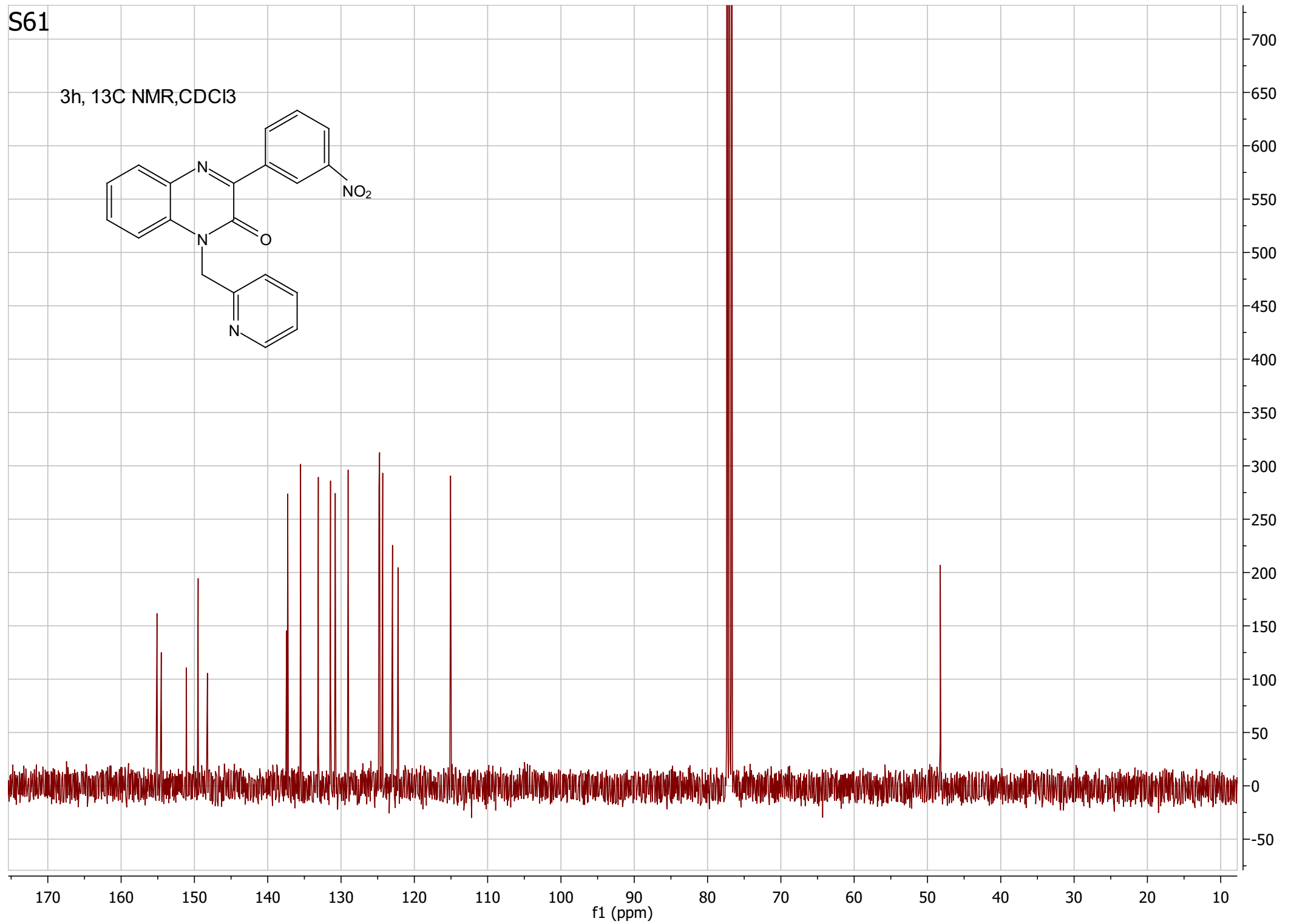
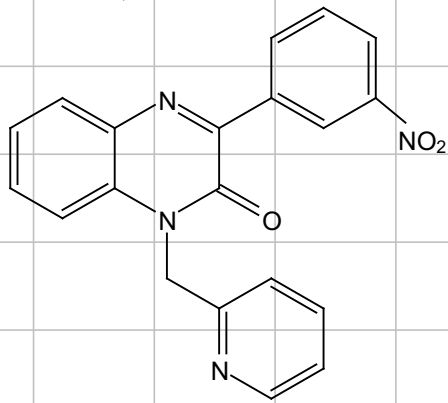
S60

3h, 1H NMR, CDCl3



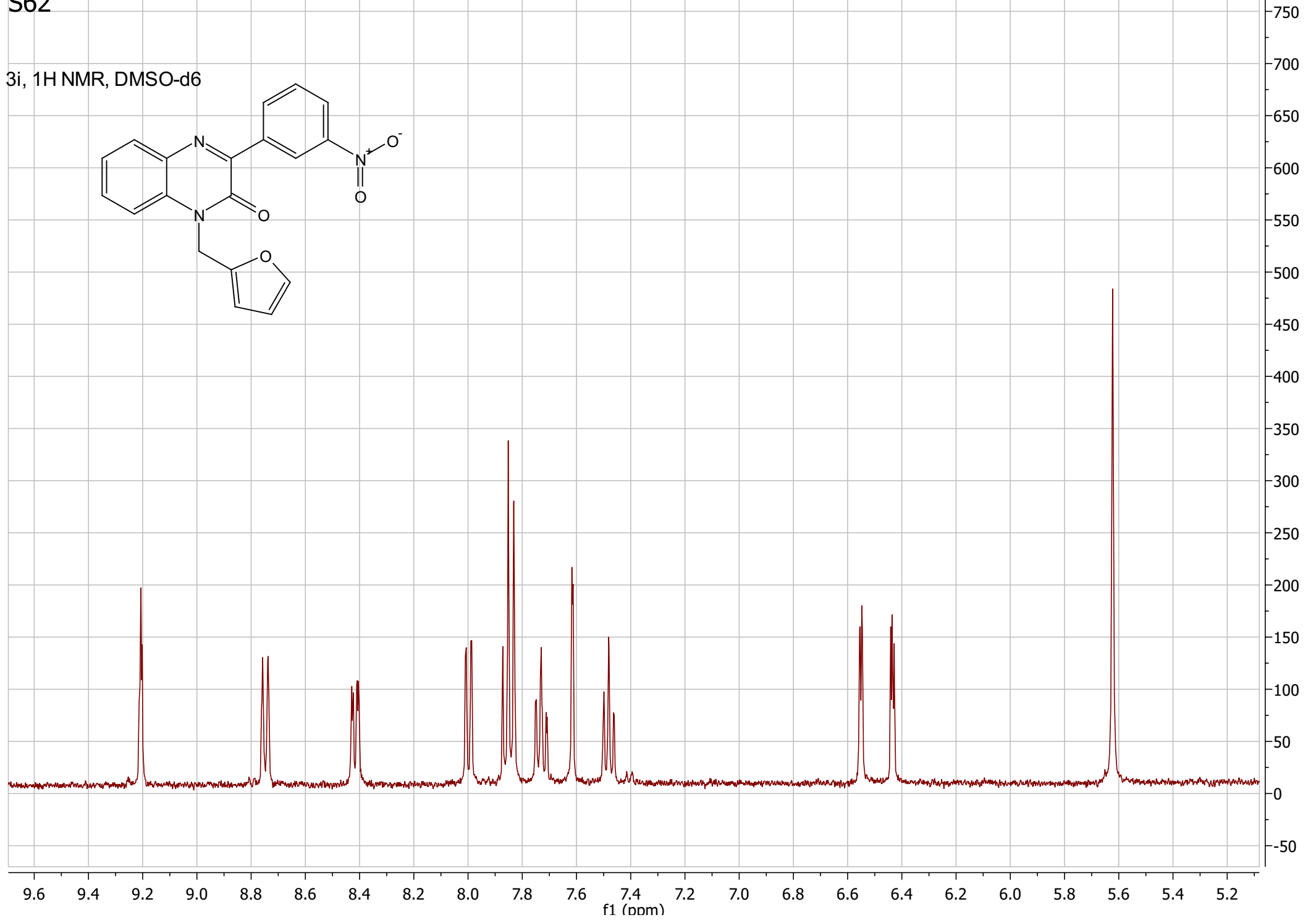
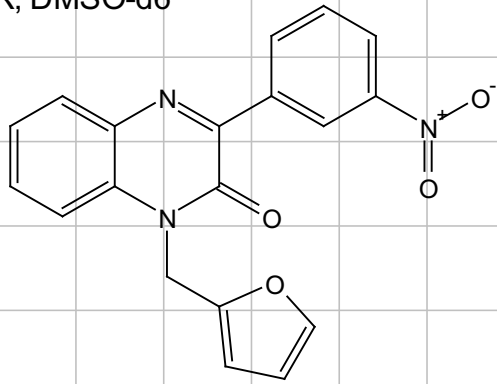
S61

3h, ¹³C NMR, CDCl₃



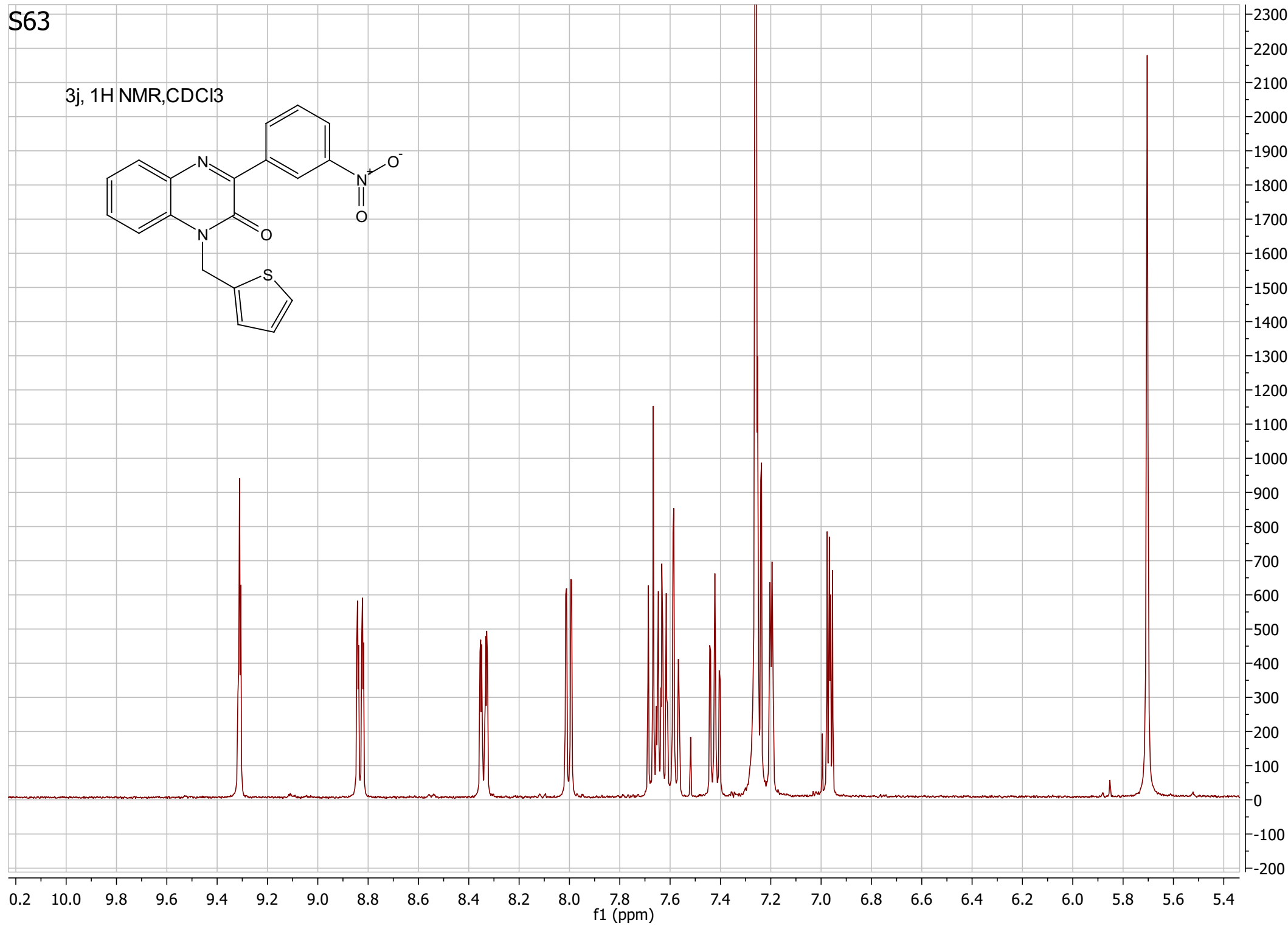
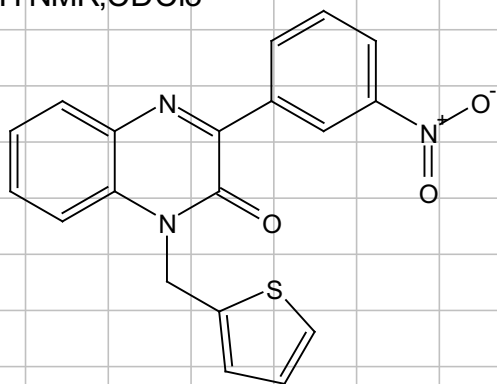
S62

3i, ¹H NMR, DMSO-d₆



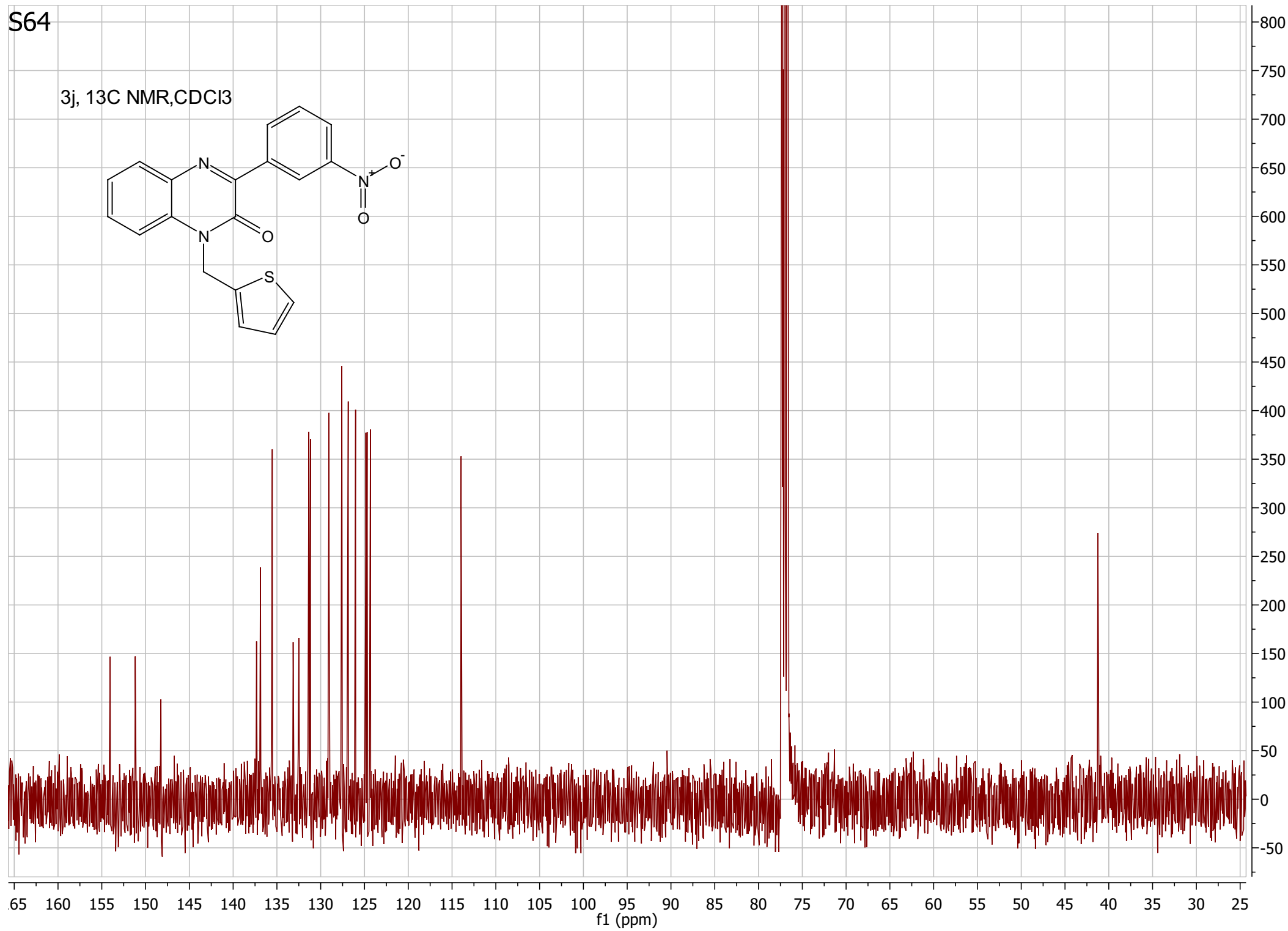
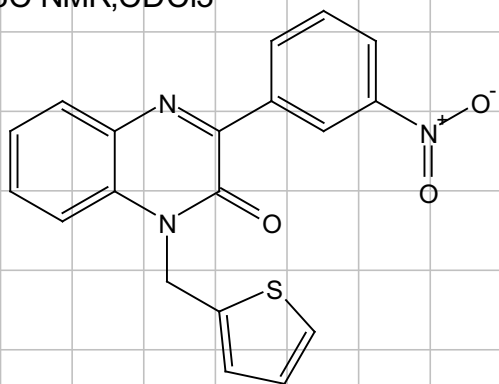
S63

3j, 1H NMR, CDCl3



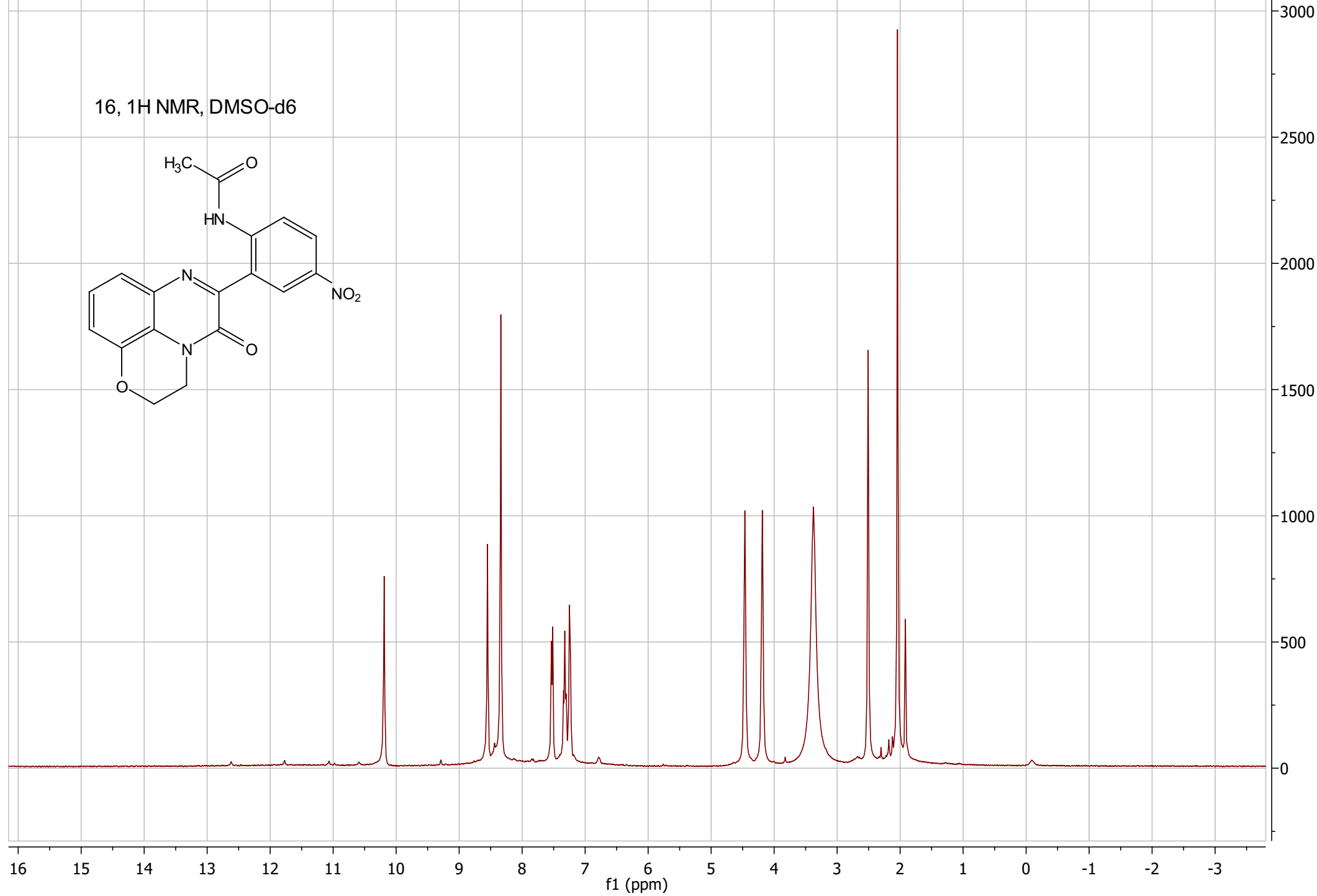
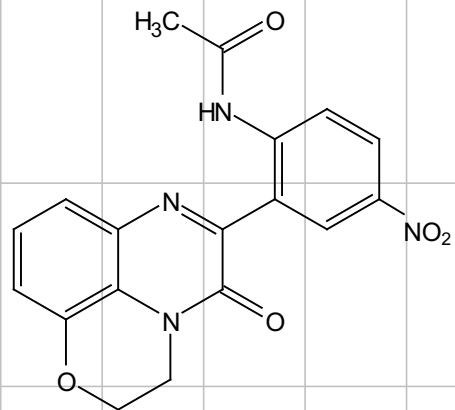
S64

3j, ¹³C NMR, CDCl₃



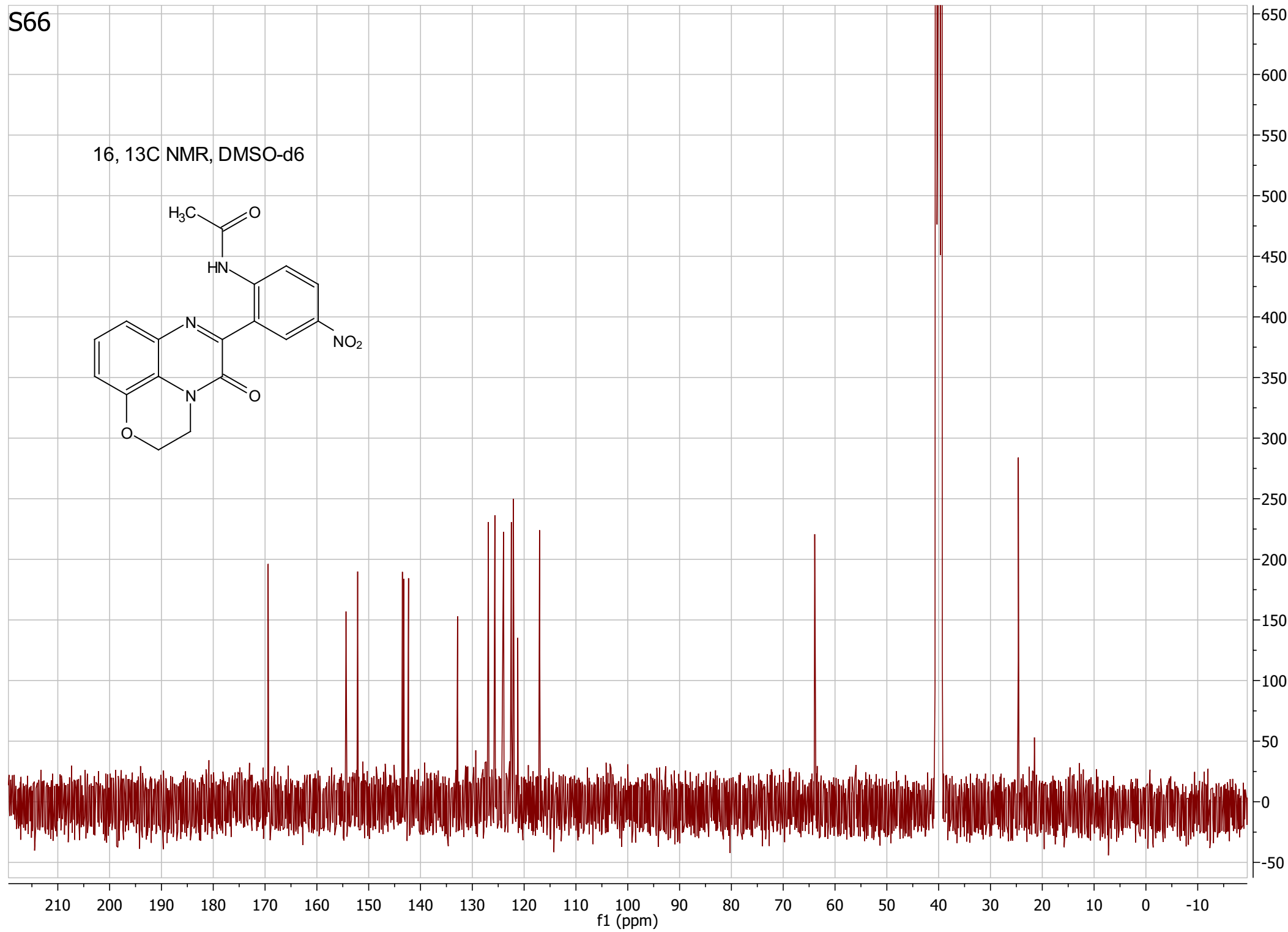
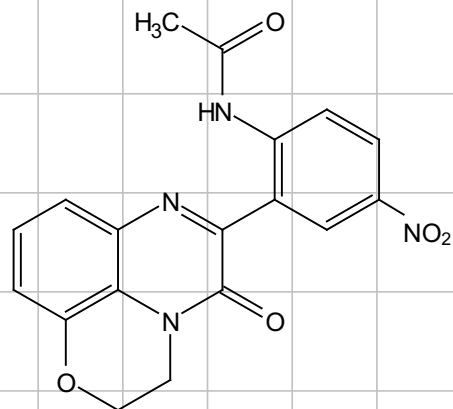
S65

16, 1H NMR, DMSO-d6



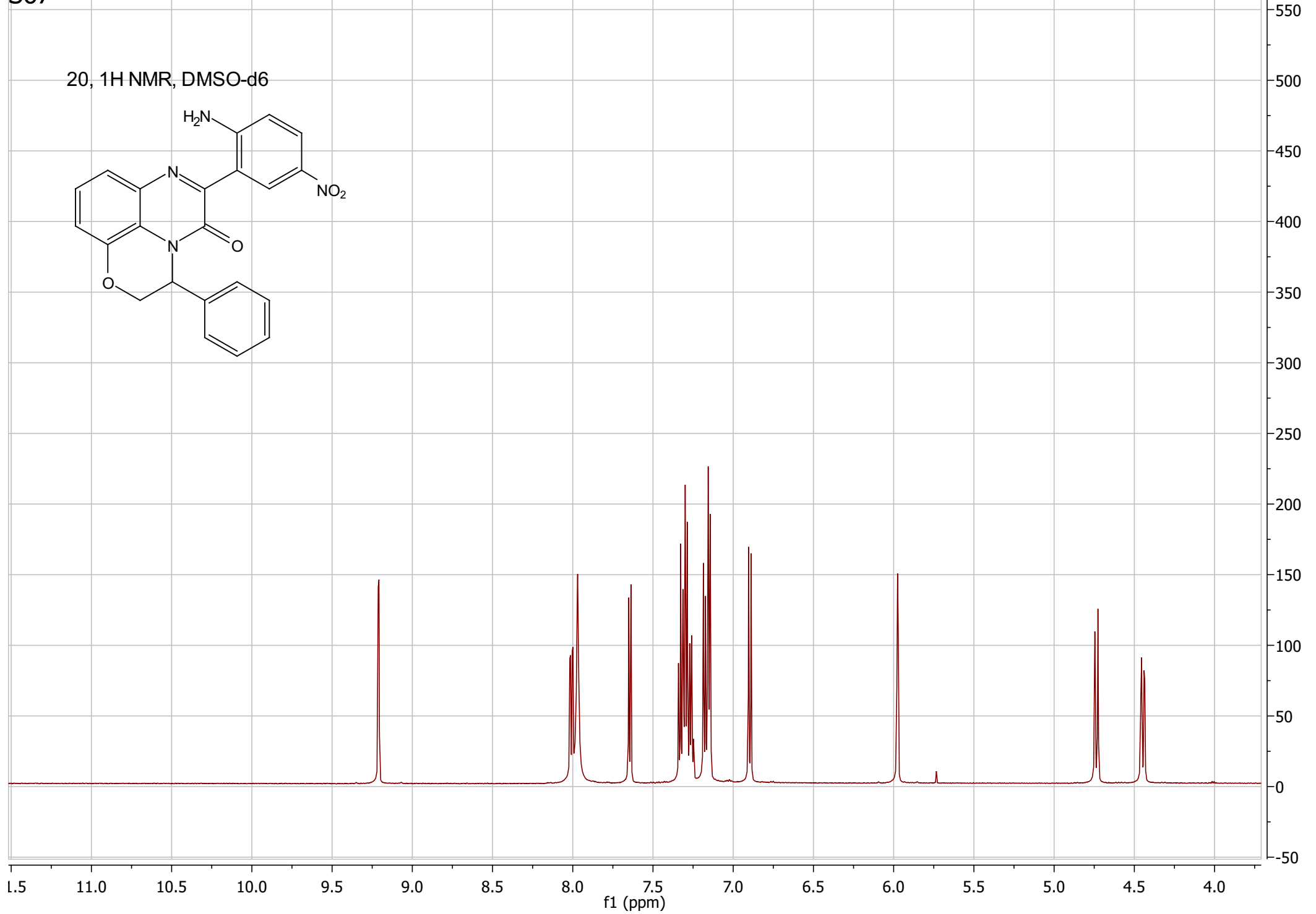
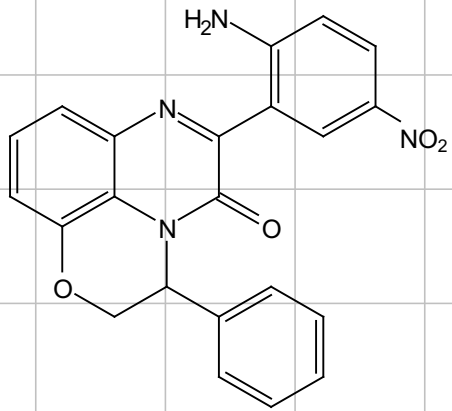
S66

16, ¹³C NMR, DMSO-d₆



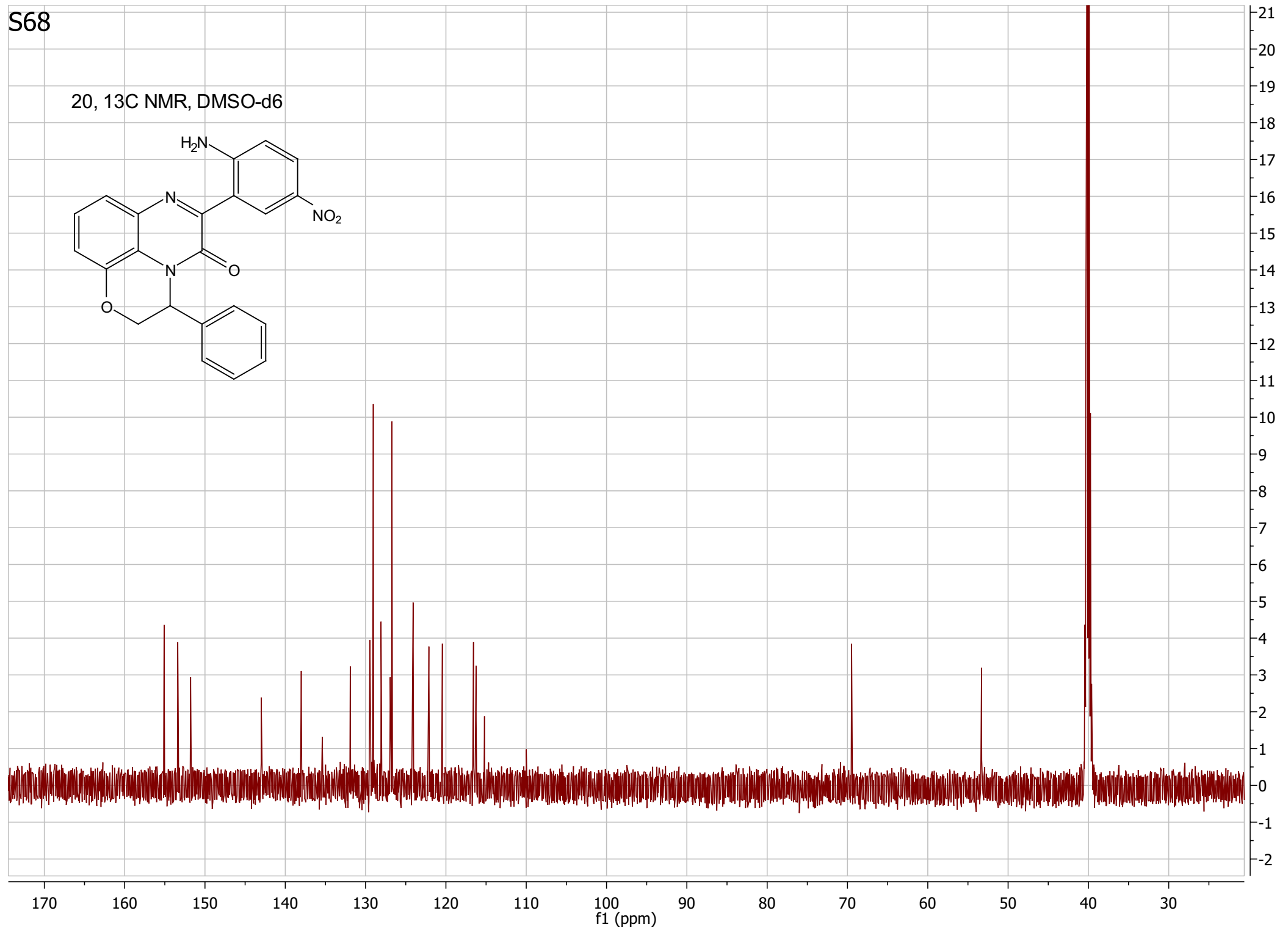
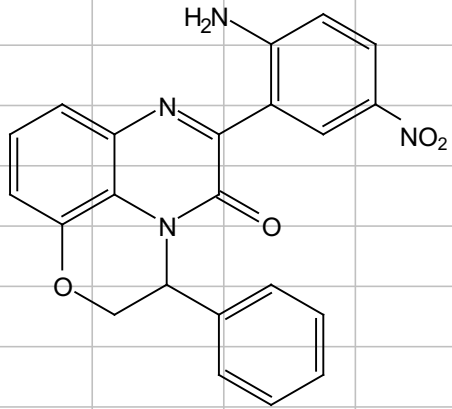
S67

20, ¹H NMR, DMSO-d₆



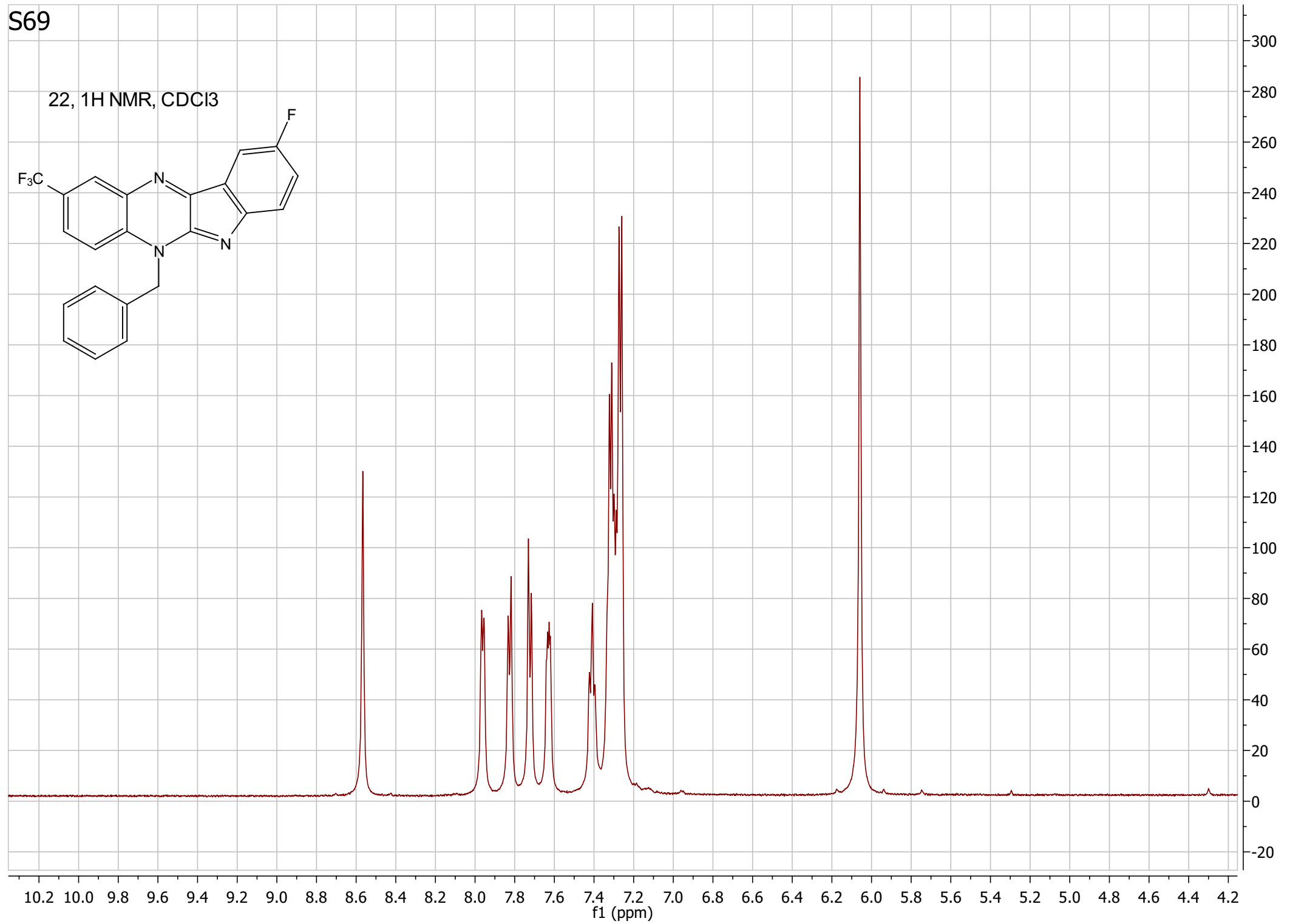
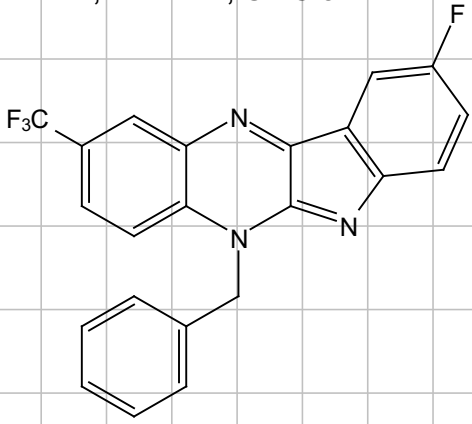
S68

20, ¹³C NMR, DMSO-d₆



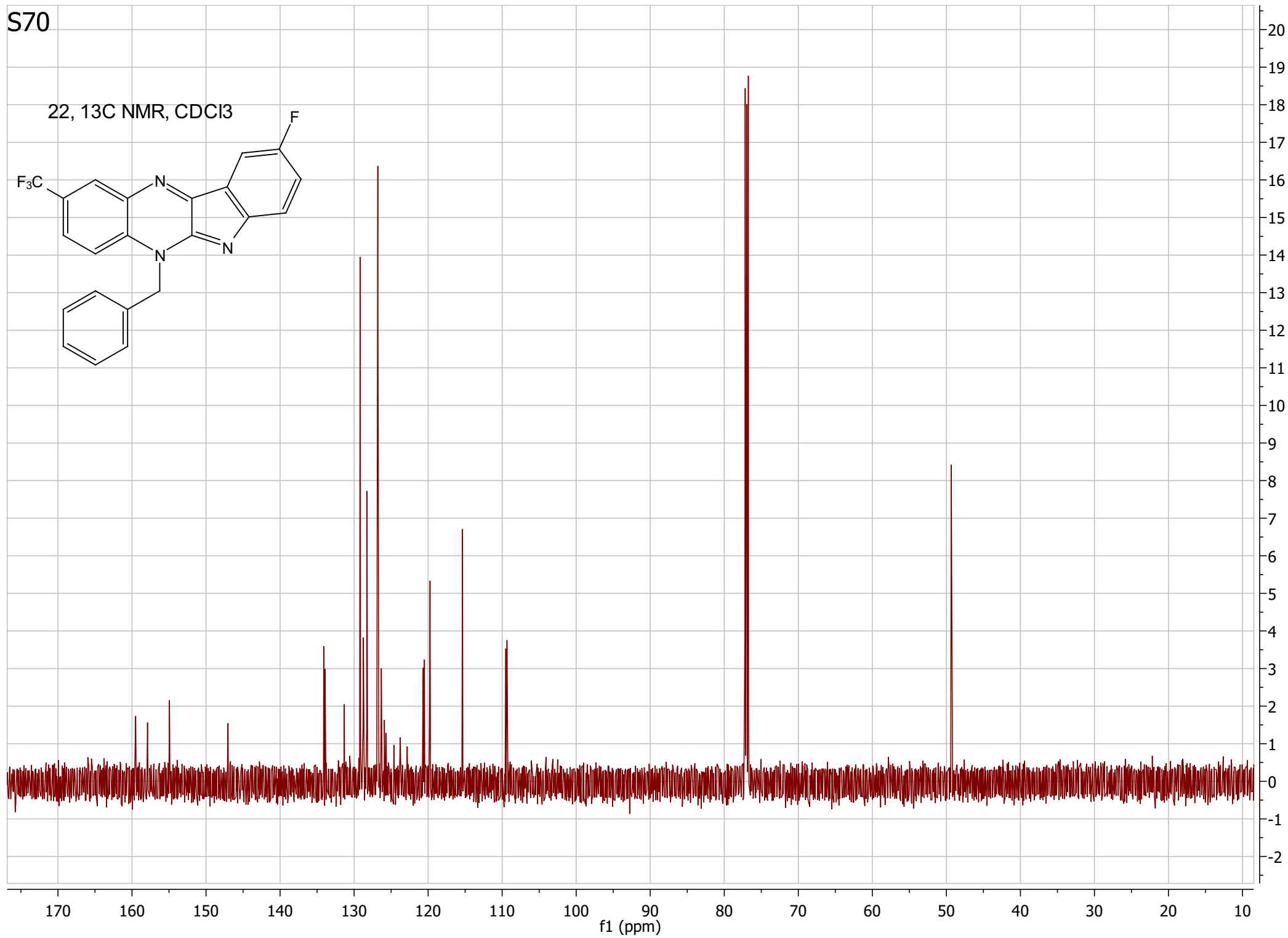
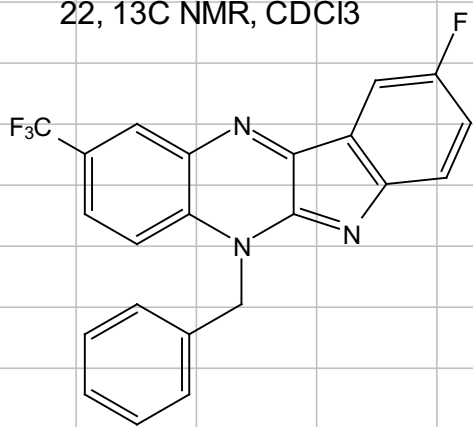
S69

22, ¹H NMR, CDCl₃



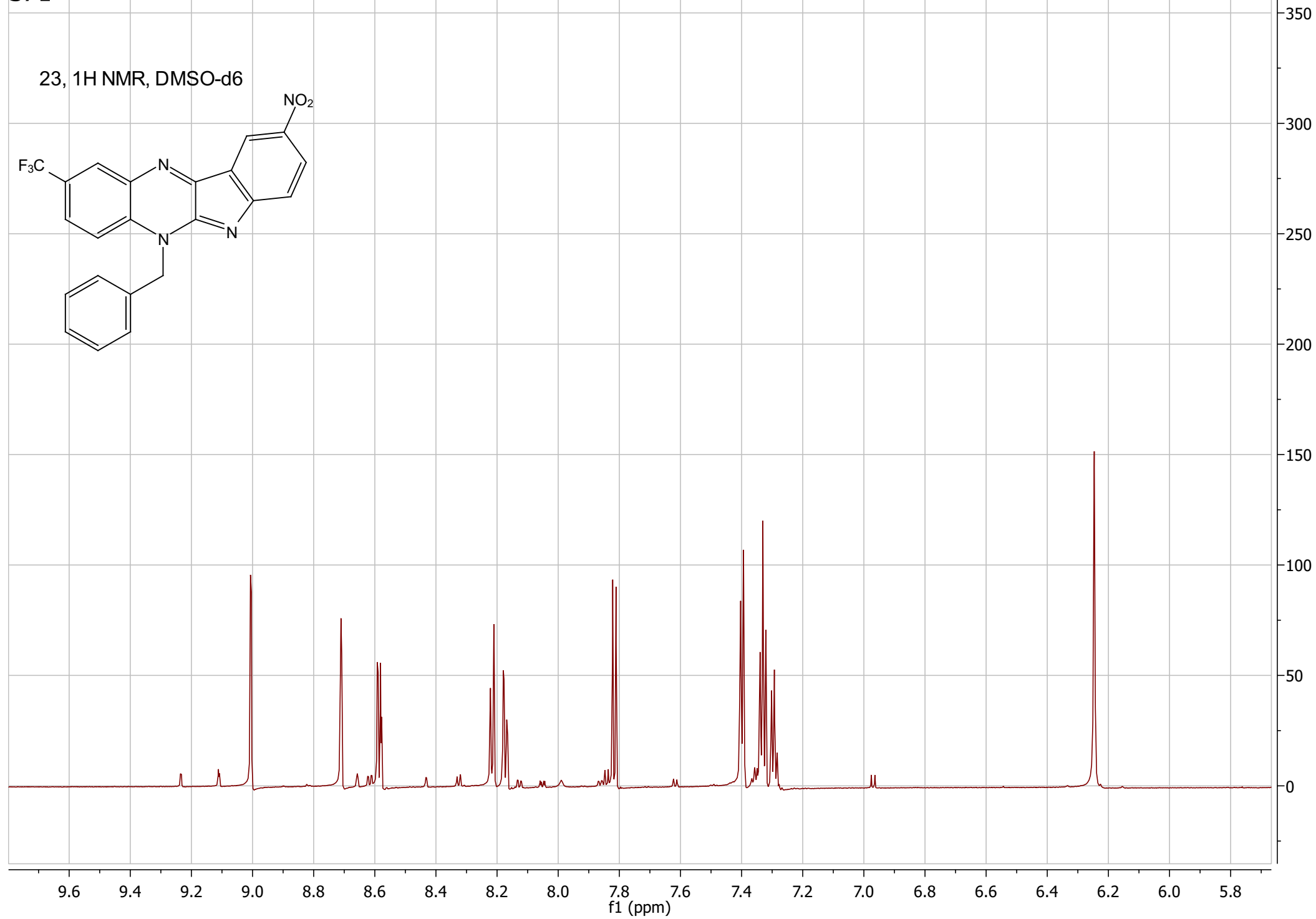
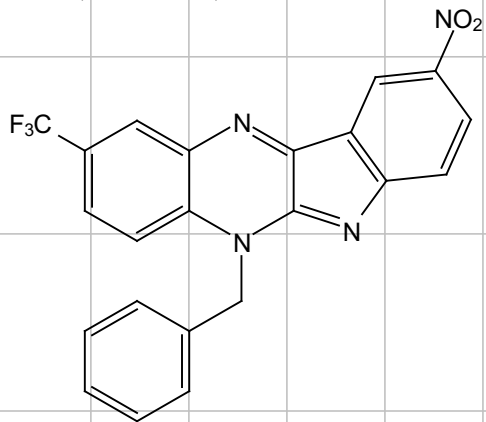
S70

22, ¹³C NMR, CDCl₃



S71

23, ¹H NMR, DMSO-d₆



S72

23, ¹³C NMR, DMSO-d₆

