

Supplementary Materials

Supporting Information	Page
S1. EIMS of compound 1	3
S2. ^1H NMR (400 MHz, CDCl_3) spectrum of compound 1	3
S3. ^{13}C NMR (100 MHz, CDCl_3) spectrum of compound 1	4
S4. DEPT and ^{13}C NMR (100 MHz, CDCl_3) spectrum of compound 1	4
S5. HMQC spectrum of compound 1 in CDCl_3	5
S6. H-H COSY spectrum of compound 1 in CDCl_3	5
S7. HMBC spectrum of compound 1 in CDCl_3	6
S8. NOE spectrum of compound 1 in CDCl_3	6
S9. EIMS of compound 2	7
S10. ^1H NMR (500 MHz, CDCl_3) spectrum of compound 2	7
S11. ^{13}C NMR (125 MHz, CDCl_3) spectrum of compound 2	8
S12. HMQC spectrum of compound 2 in CDCl_3	8
S13. H-H COSY spectrum of compound 2 in CDCl_3	9
S14. HMBC spectrum of compound 2 in CDCl_3	9
S15. NOE spectrum of compound 2 in CDCl_3	10
S16. EIMS of compound 3	11
S17. ^1H NMR (500 MHz, CDCl_3) spectrum of compound 3	11
S18. ^{13}C NMR (125 MHz, CDCl_3) spectrum of compound 3	12
S19. HMQC spectrum of compound 3 in CDCl_3	12
S20. H-H COSY spectrum of compound 3 in CDCl_3	13
S21. HMBC spectrum of compound 3 in CDCl_3	13
S22. NOE spectrum of compound 3 in CDCl_3	14

S1. EIMS of compound 1

Instrument:DSQ(Thermo)

Ionization Method:EI

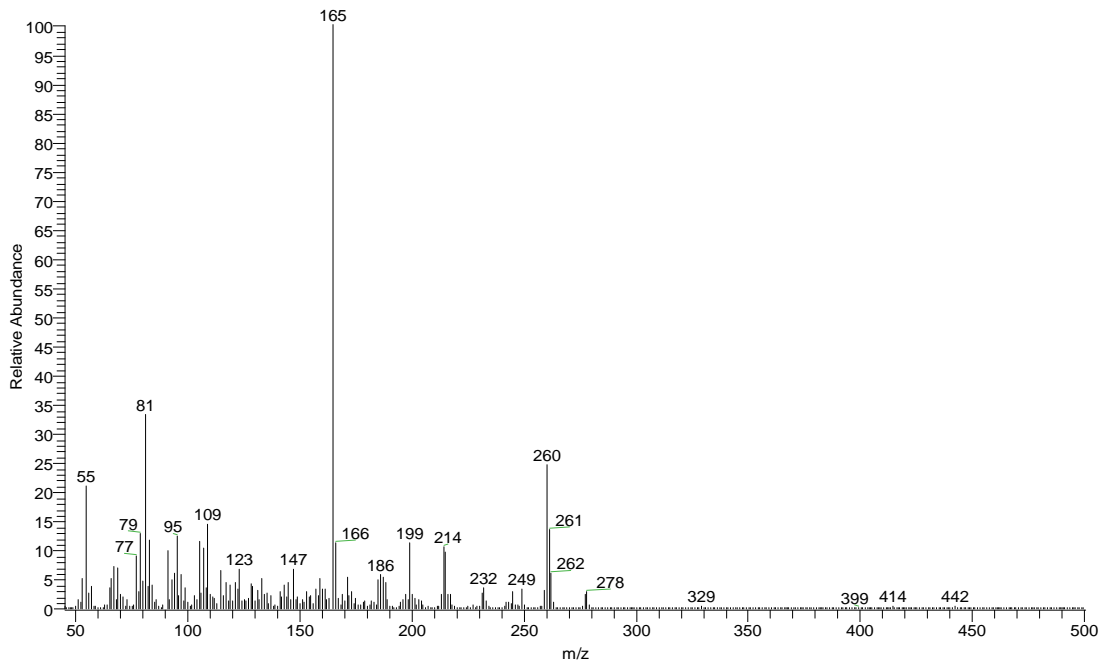
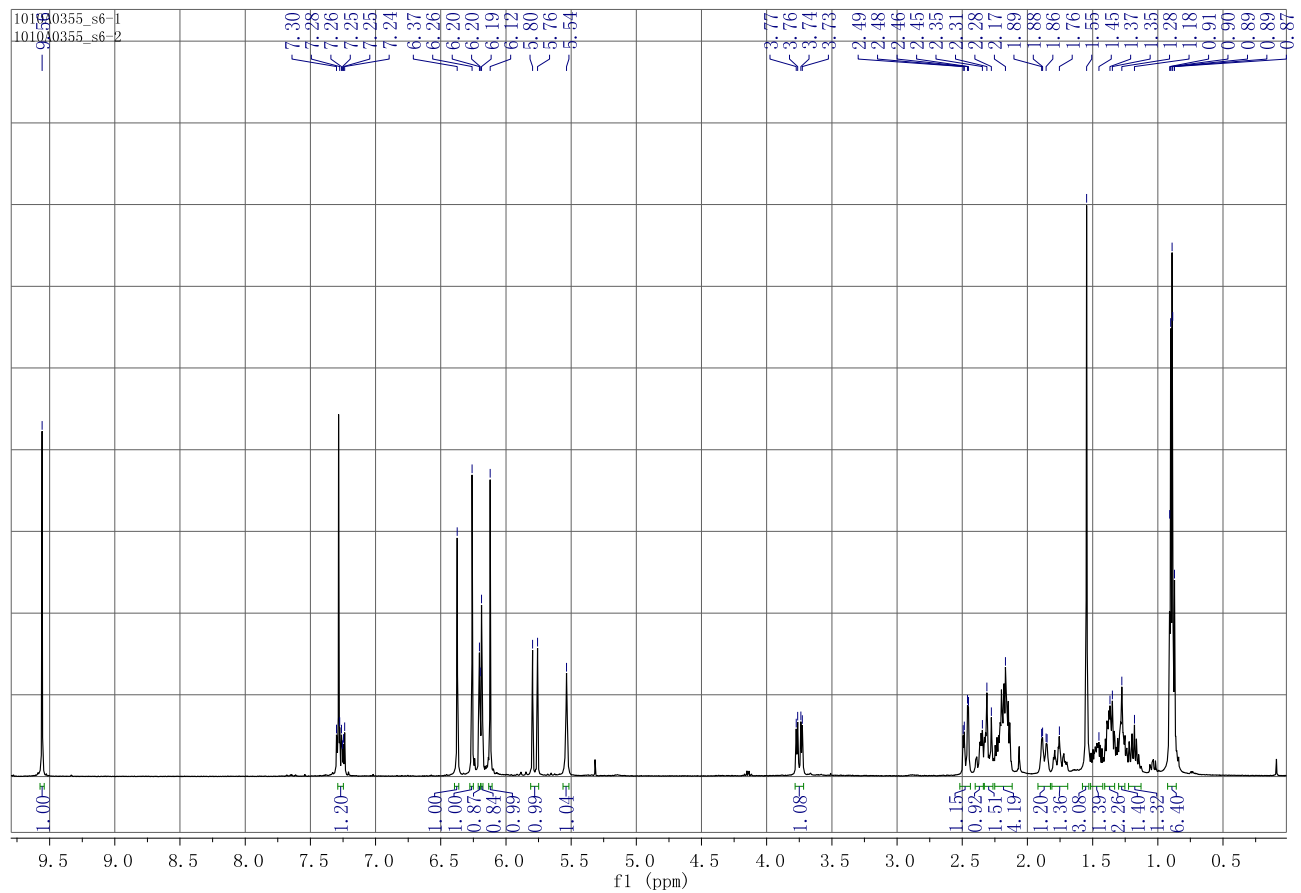
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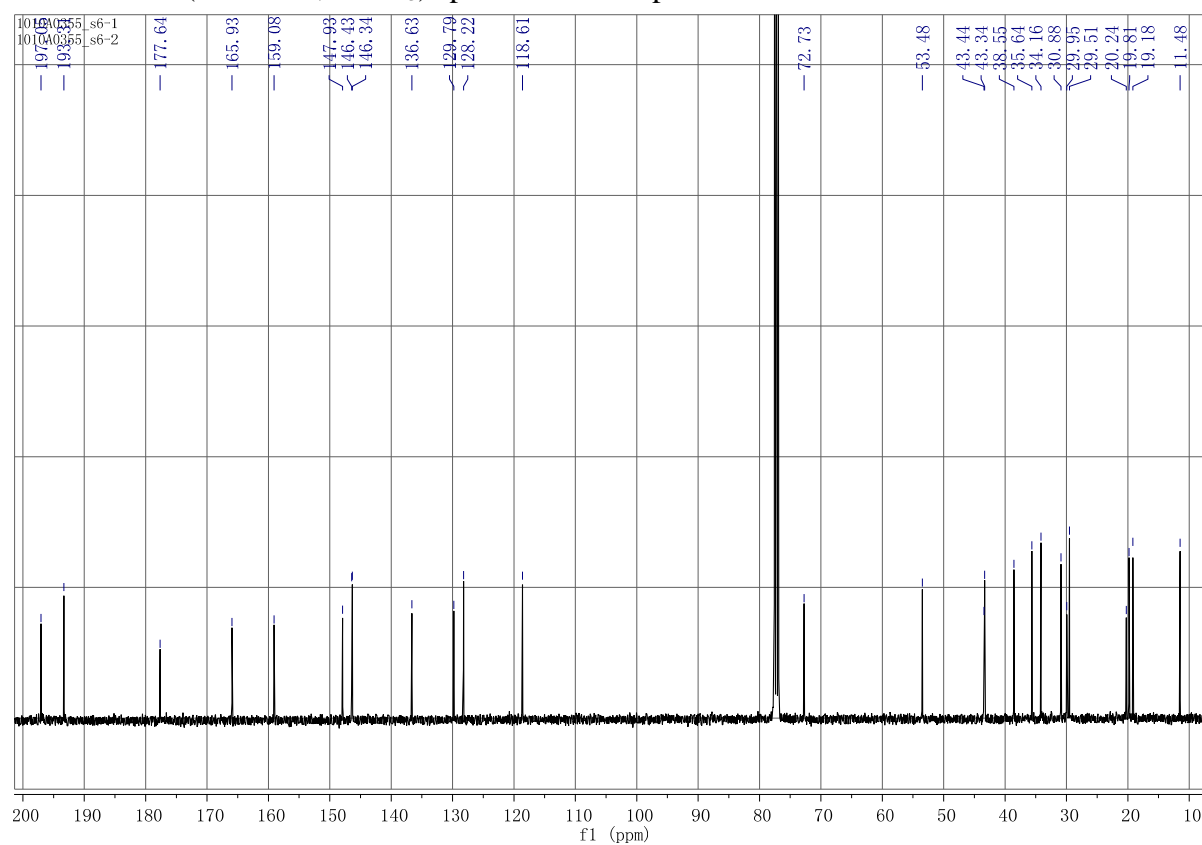
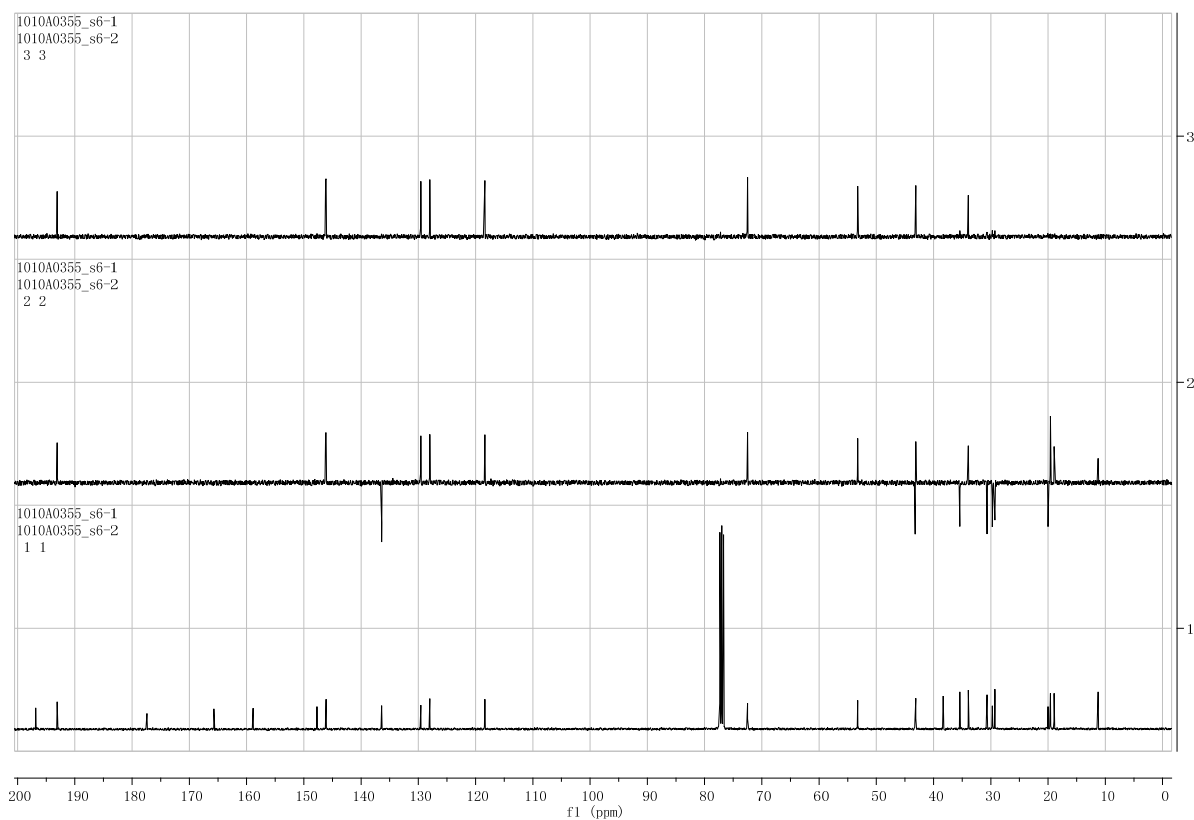
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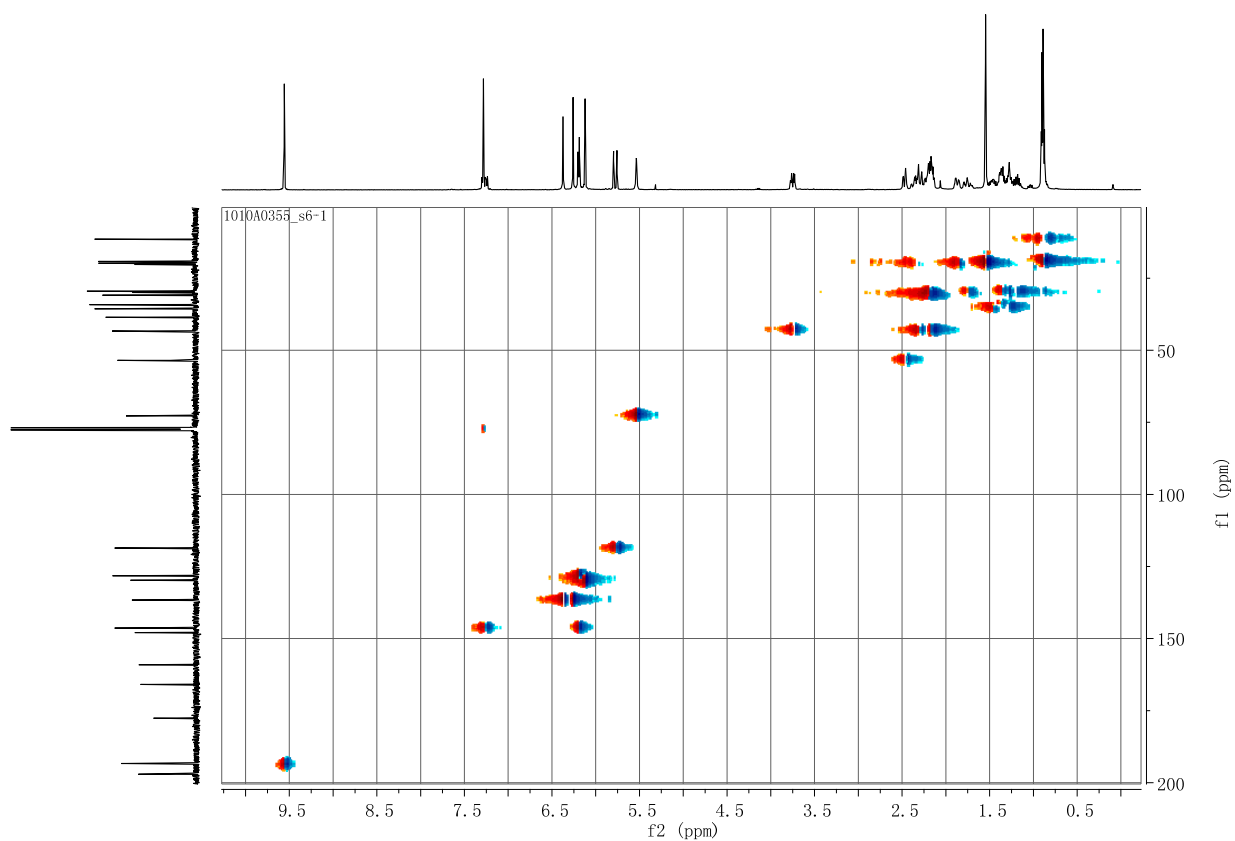
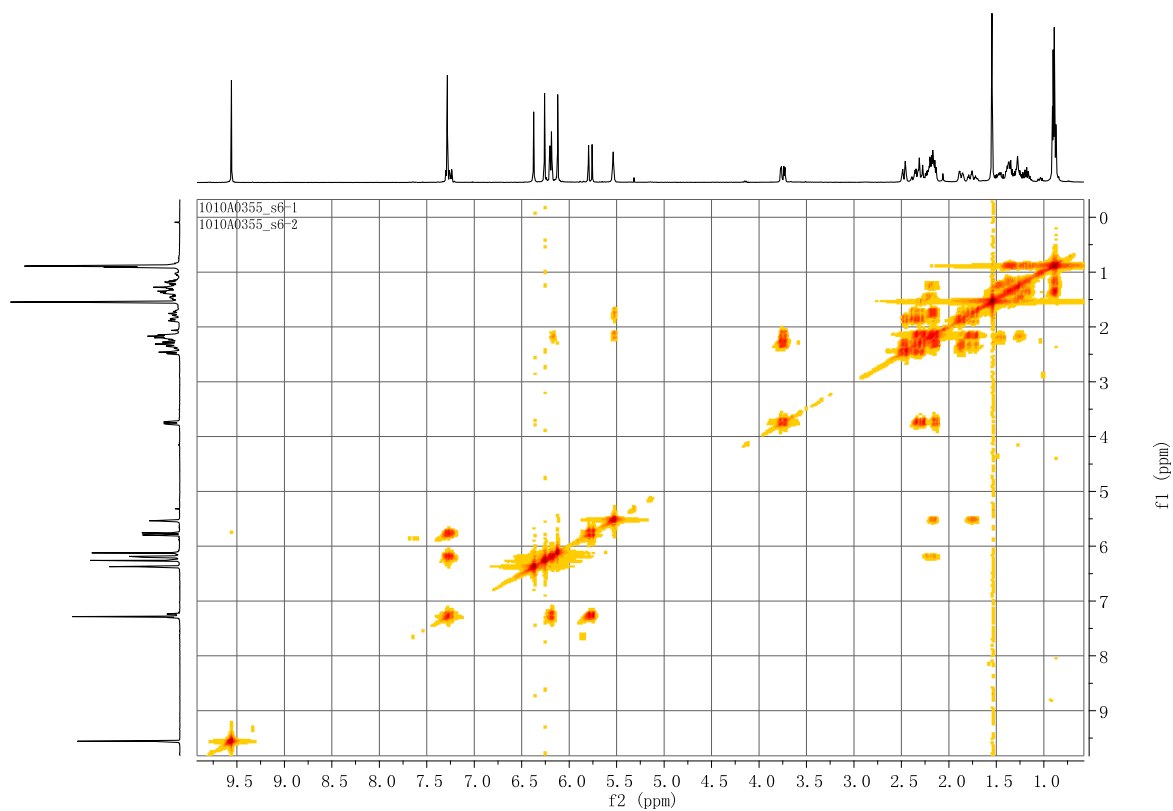
S6-1

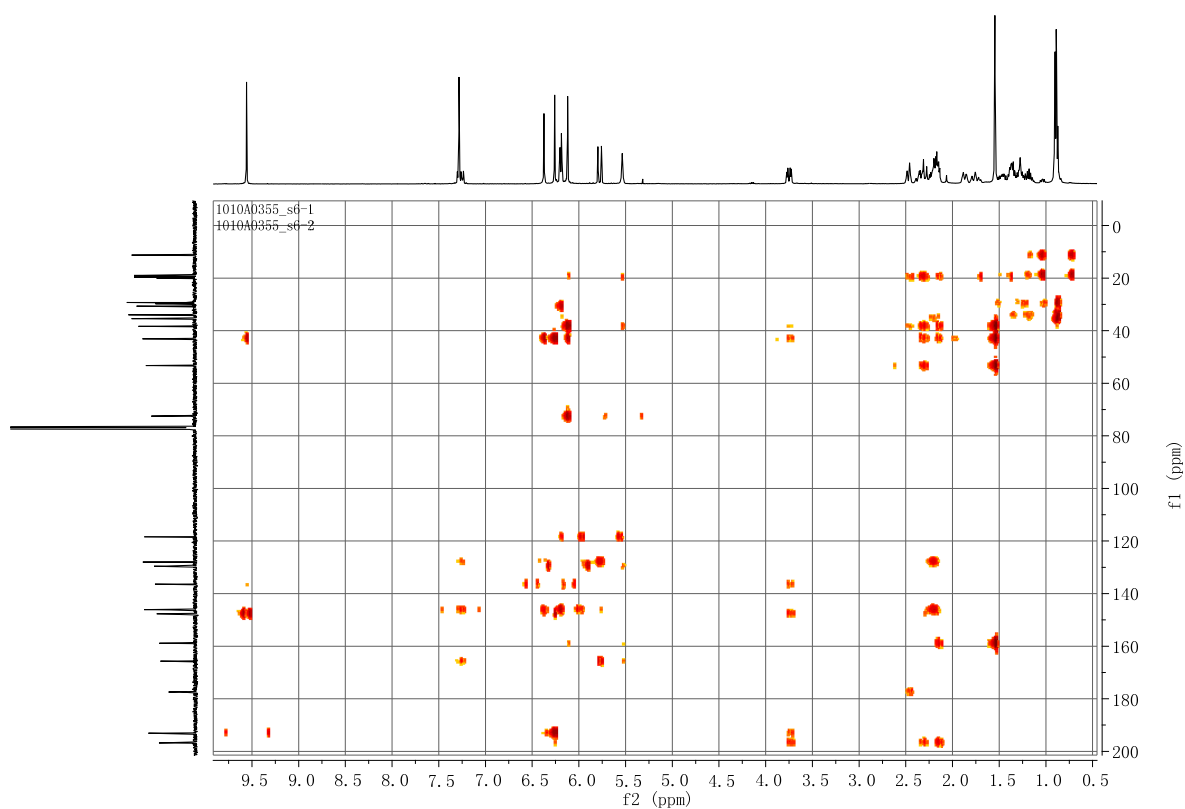
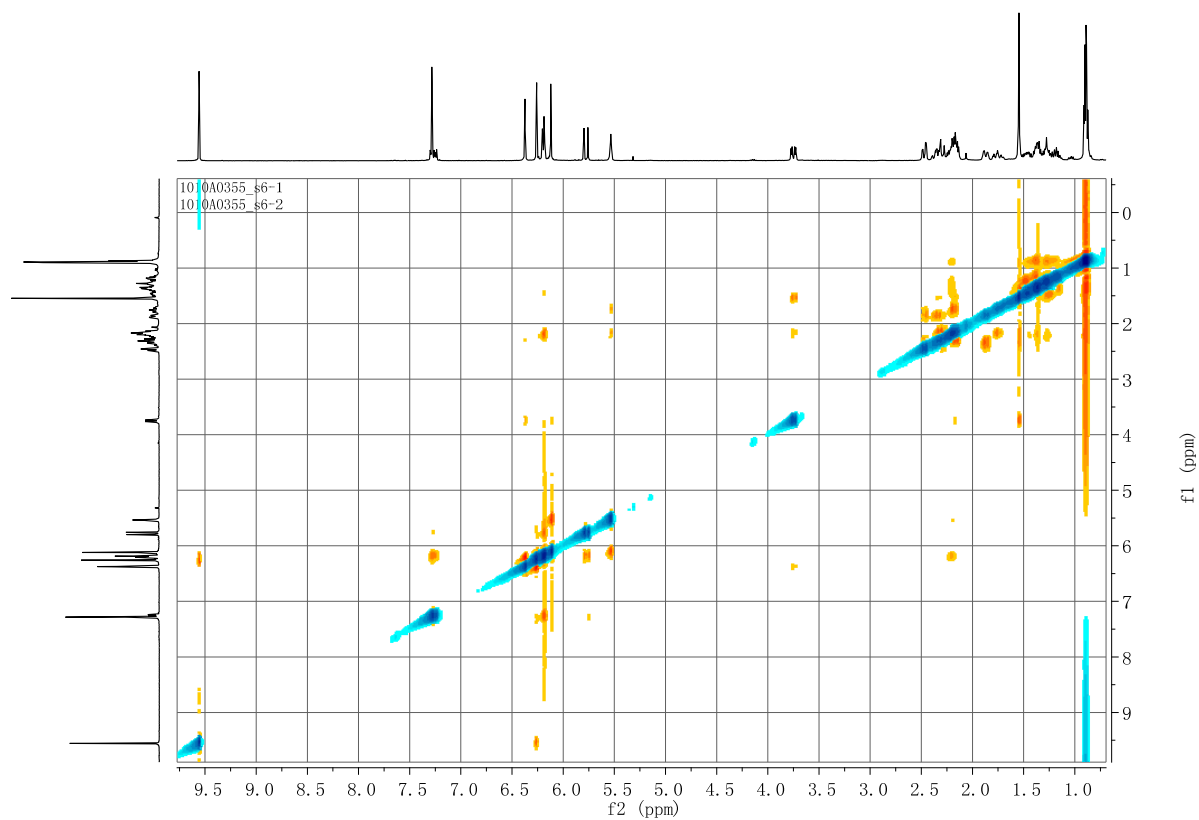
102504 #173 RT: 2.82 AV: 1 NL: 1.08E8

T: + c Full ms [45.00-800.00]

S2. ^1H NMR (400 MHz, CDCl_3) spectrum of compound 1

S3. ^{13}C NMR (100 MHz, CDCl_3) spectrum of compound 1S4. DEPT and ^{13}C NMR (100 MHz, CDCl_3) spectrum of compound 1

S5. HMQC spectrum of compound **1** in CDCl₃S6. H-H COSY spectrum of compound **1** in CDCl₃

S7. HMBC spectrum of compound **1** in CDCl₃S8. NOE spectrum of compound **1** in CDCl₃

S9. EIMS of compound 2

Instrument:DSQ(Thermo)

Ionization Method:EI

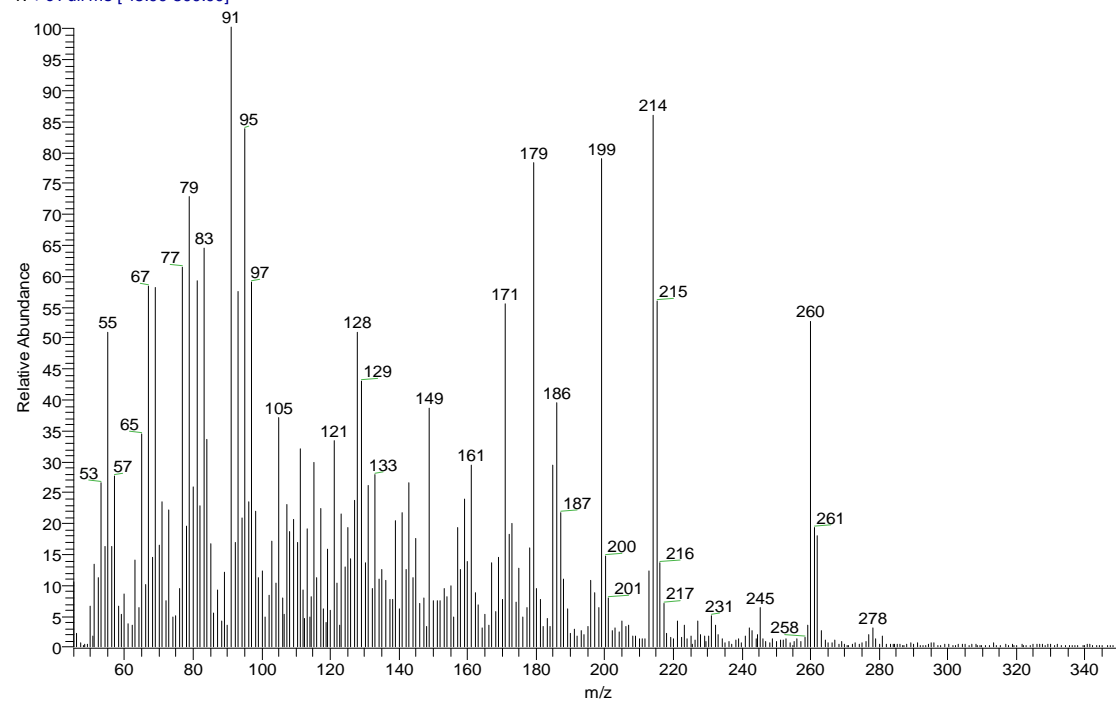
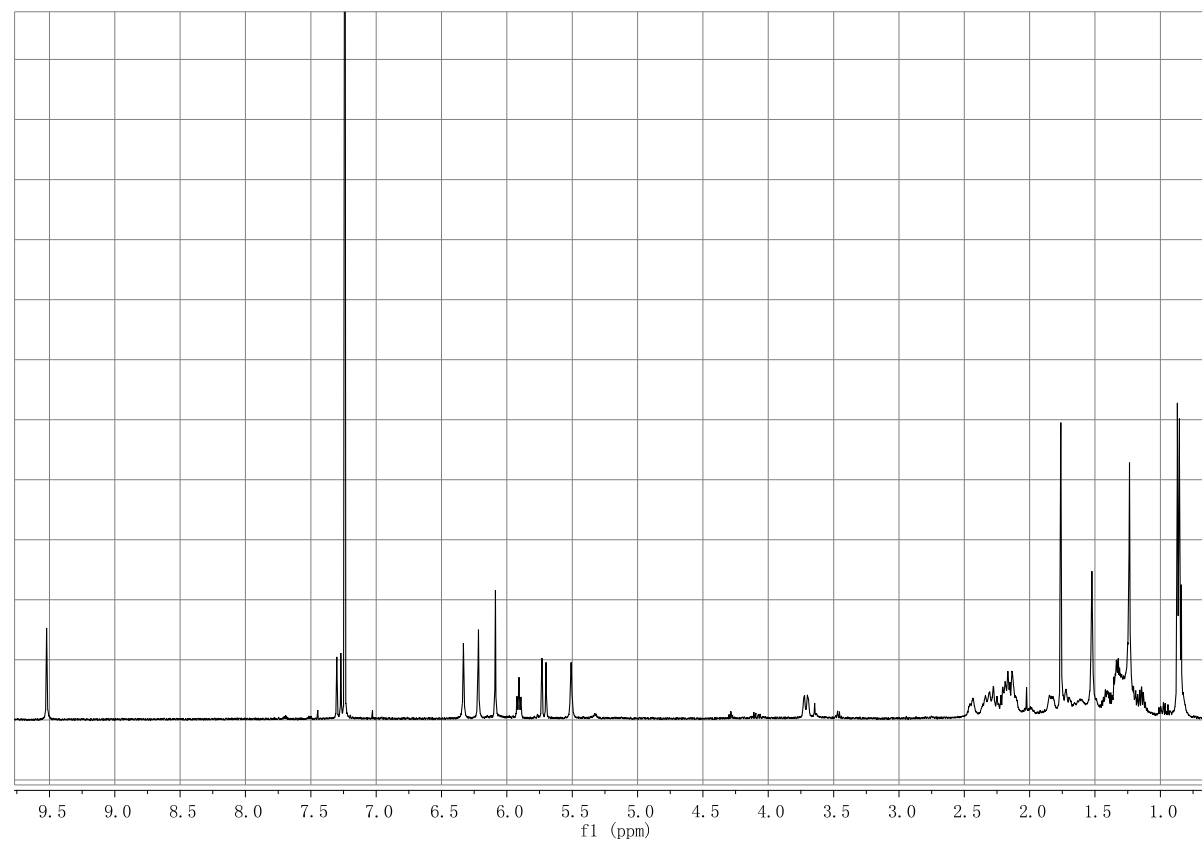
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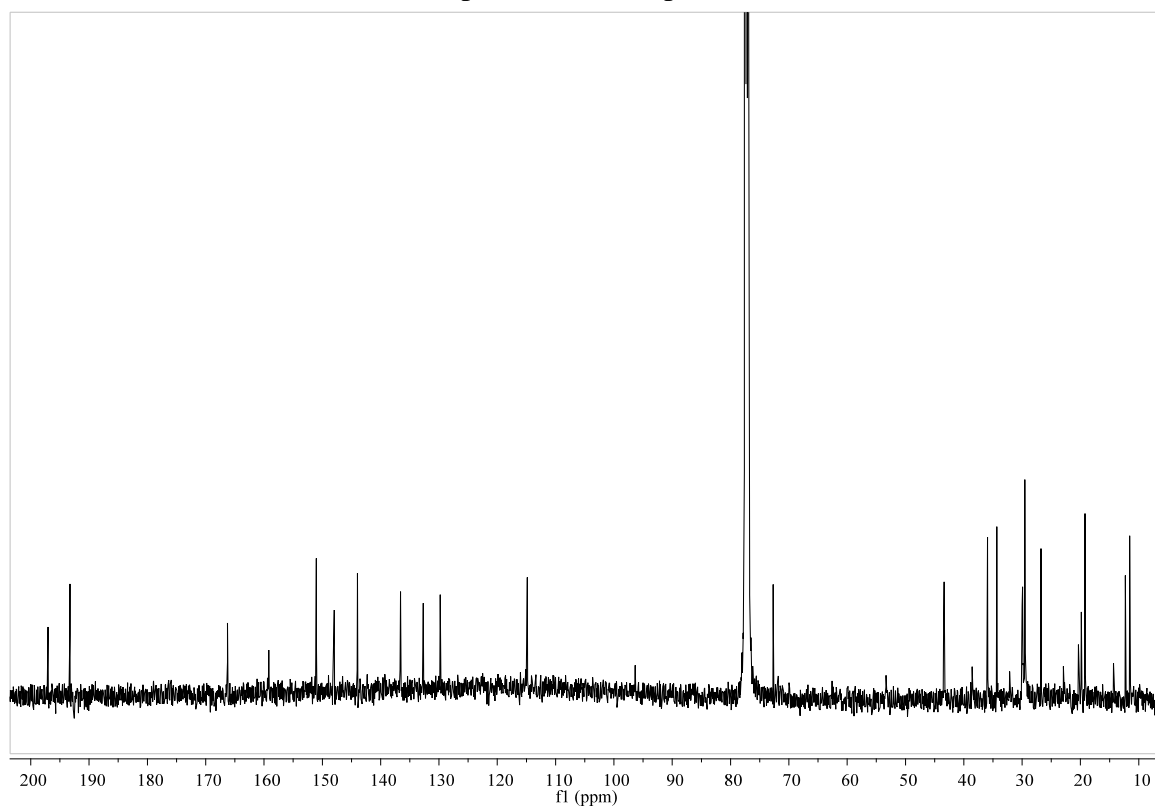
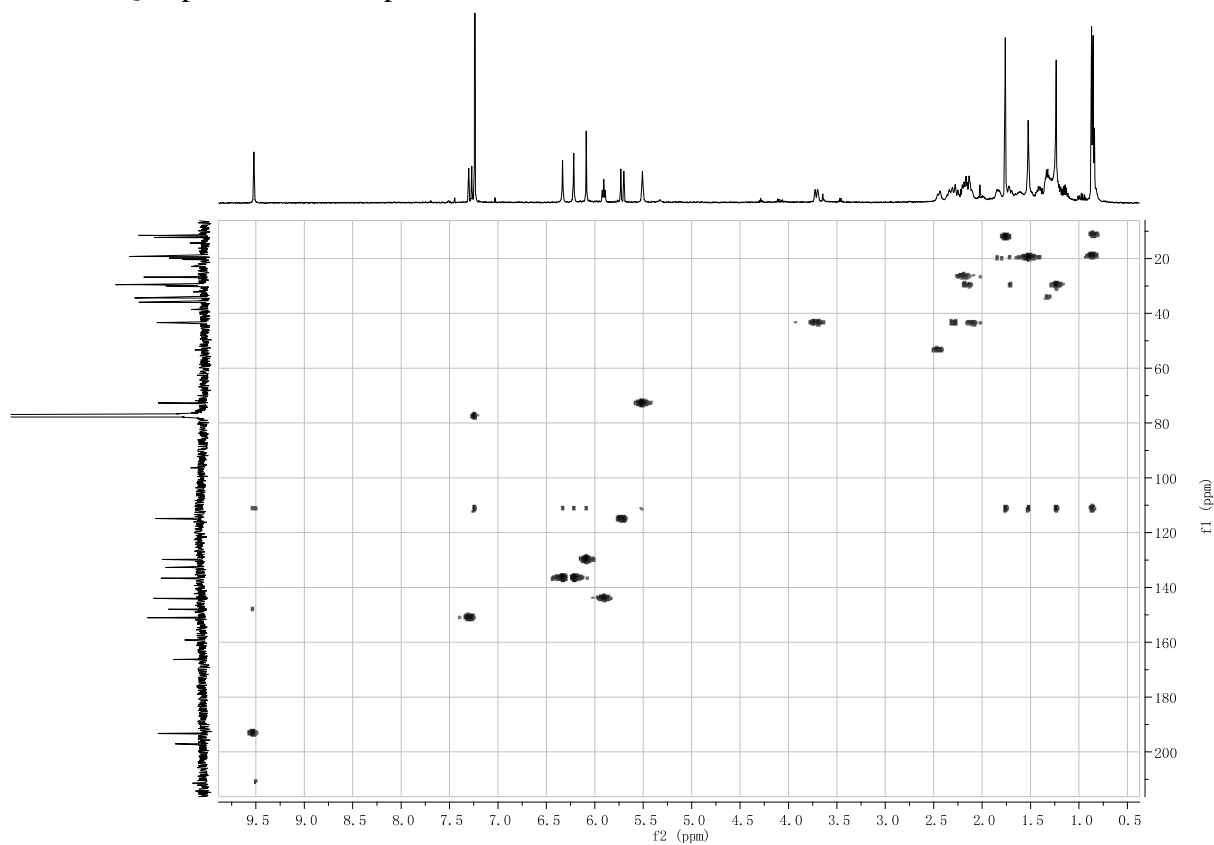
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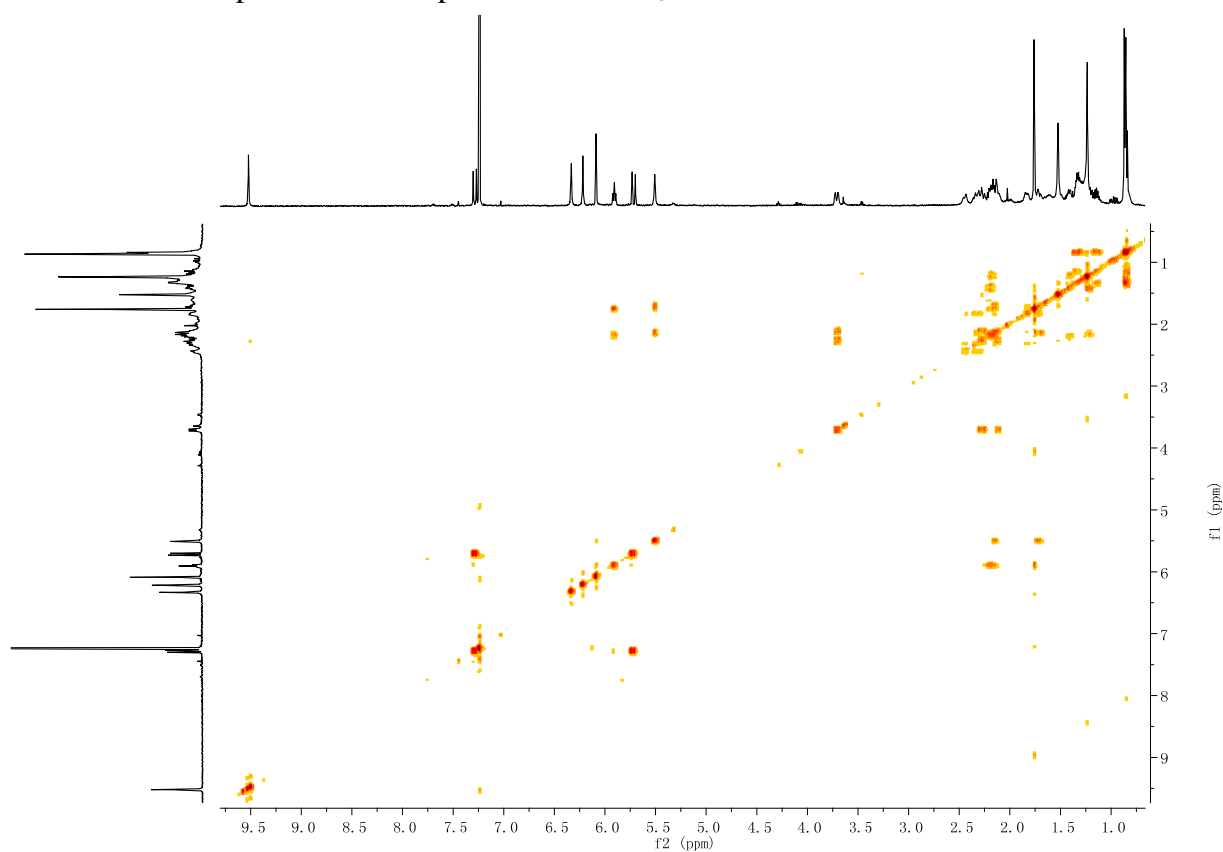
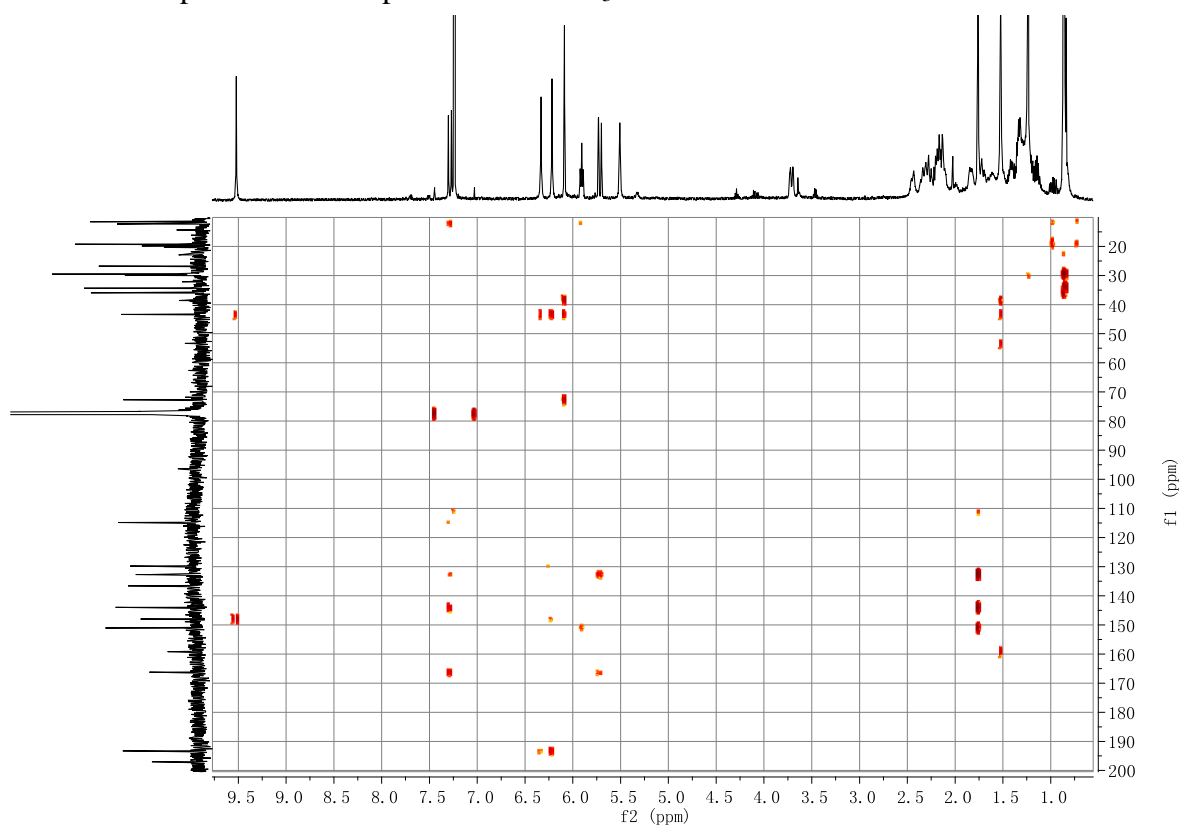
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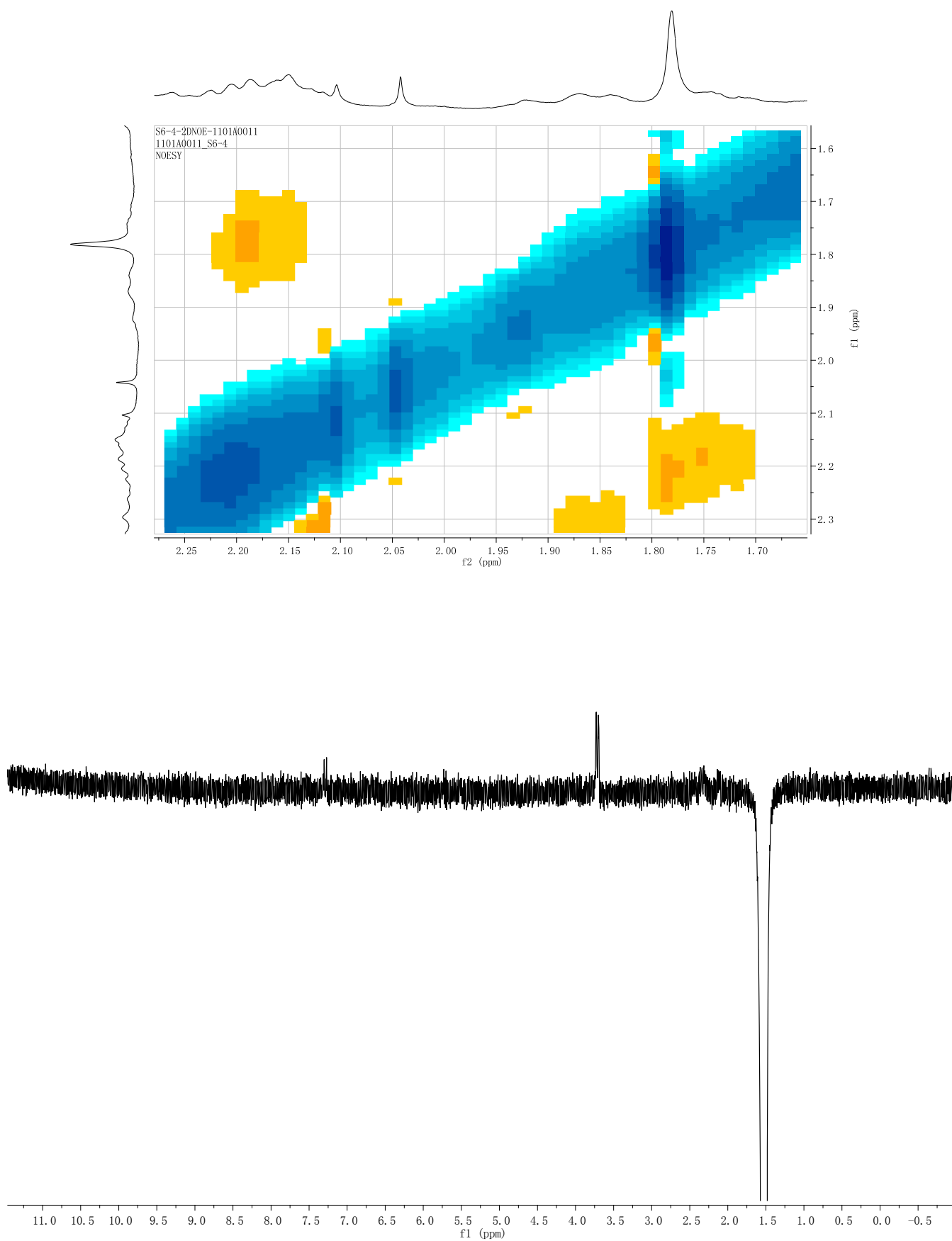
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S10. ^1H NMR (500 MHz, CDCl_3) spectrum of compound 2

S11. ^{13}C NMR (125 MHz, CDCl_3) spectrum of compound 2S12. HMQC spectrum of compound 2 in CDCl_3 

S13. H-H COSY spectrum of compound **2** in CDCl₃S14. HMBC spectrum of compound **2** in CDCl₃

S15. NOE spectrum of compound 2 in CDCl₃



S16. EIMS of compound 3

Instrument:DSQ(Thermo)

Ionization Method:EI

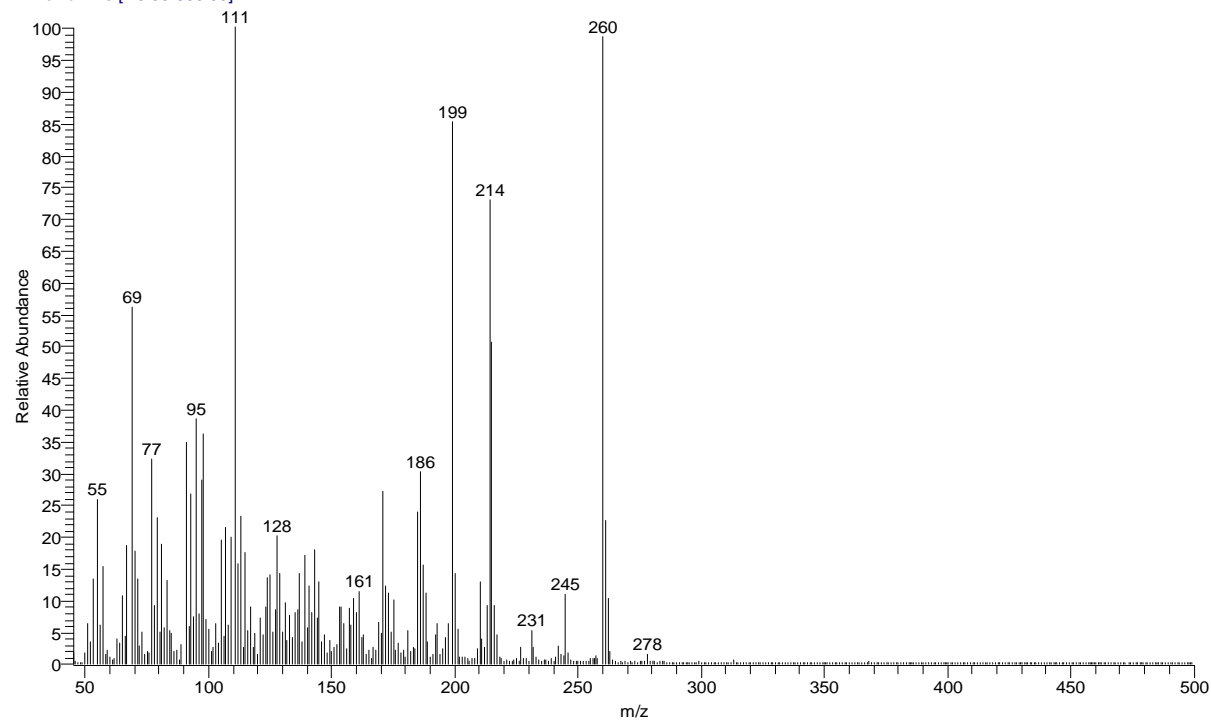
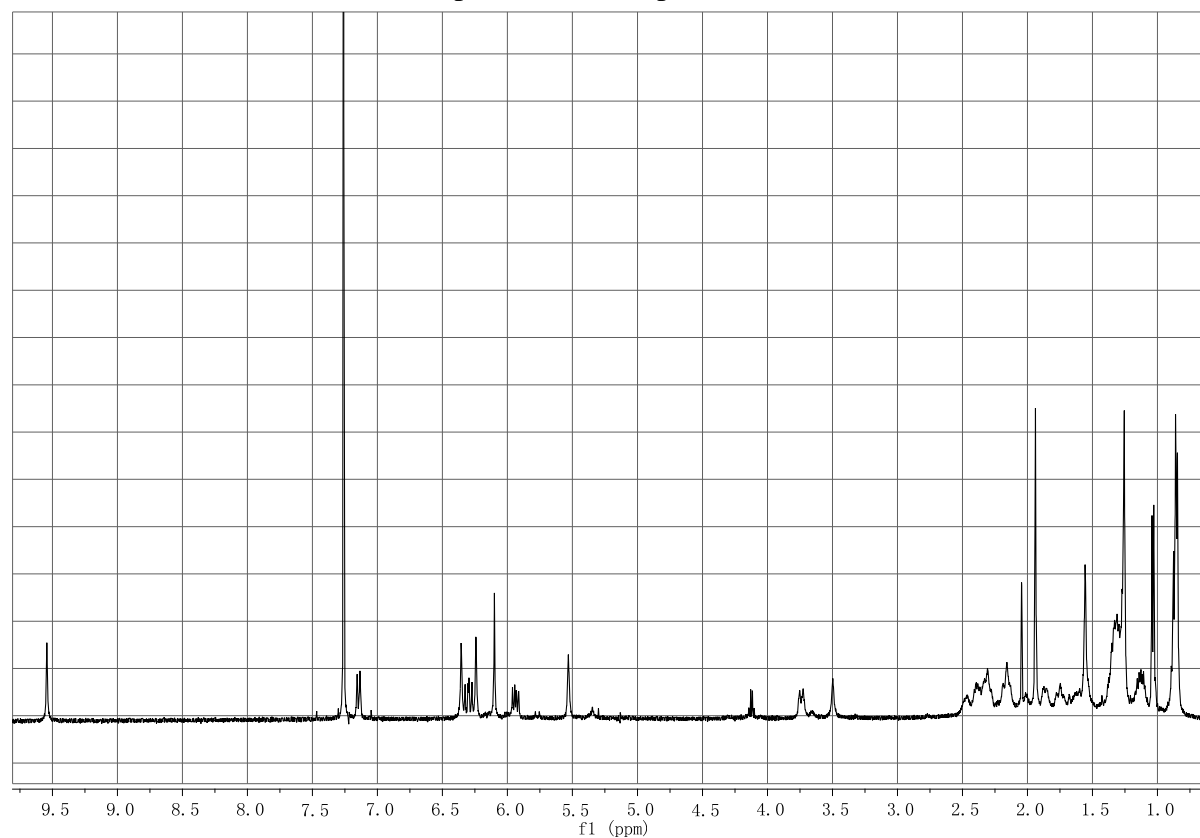
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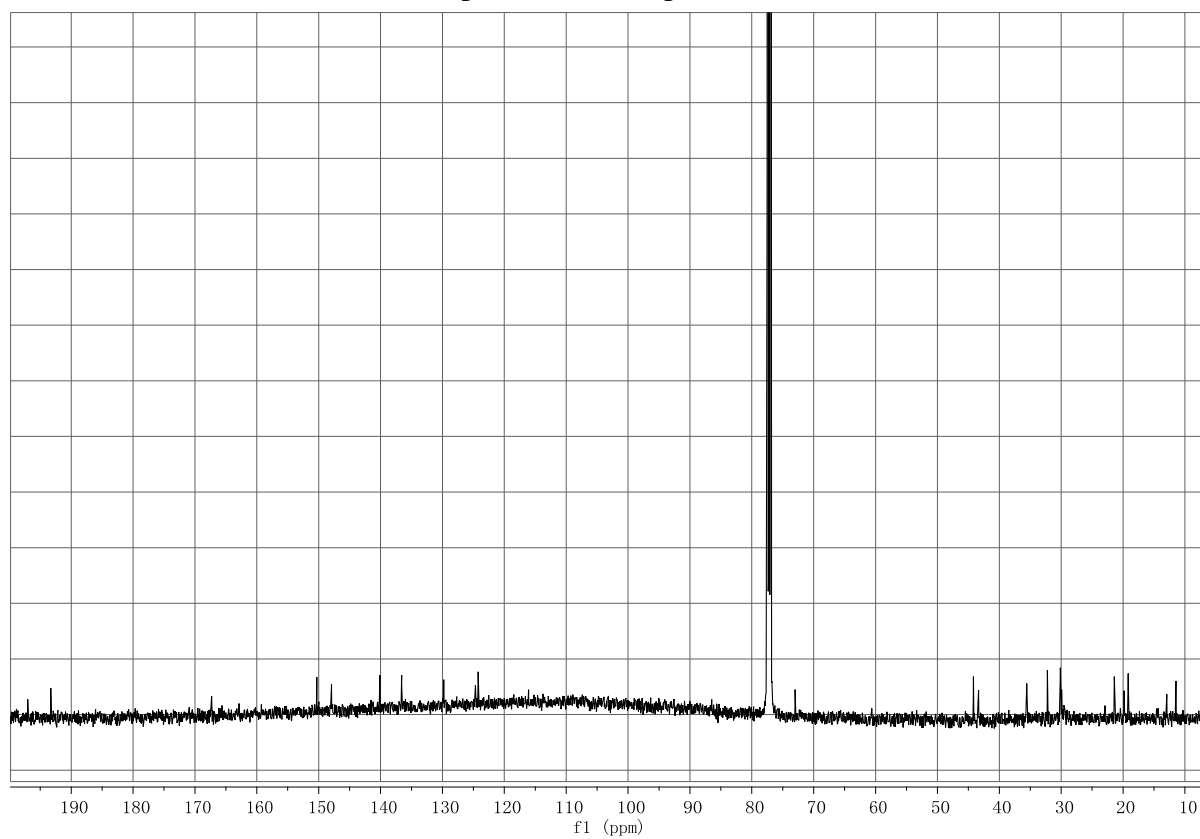
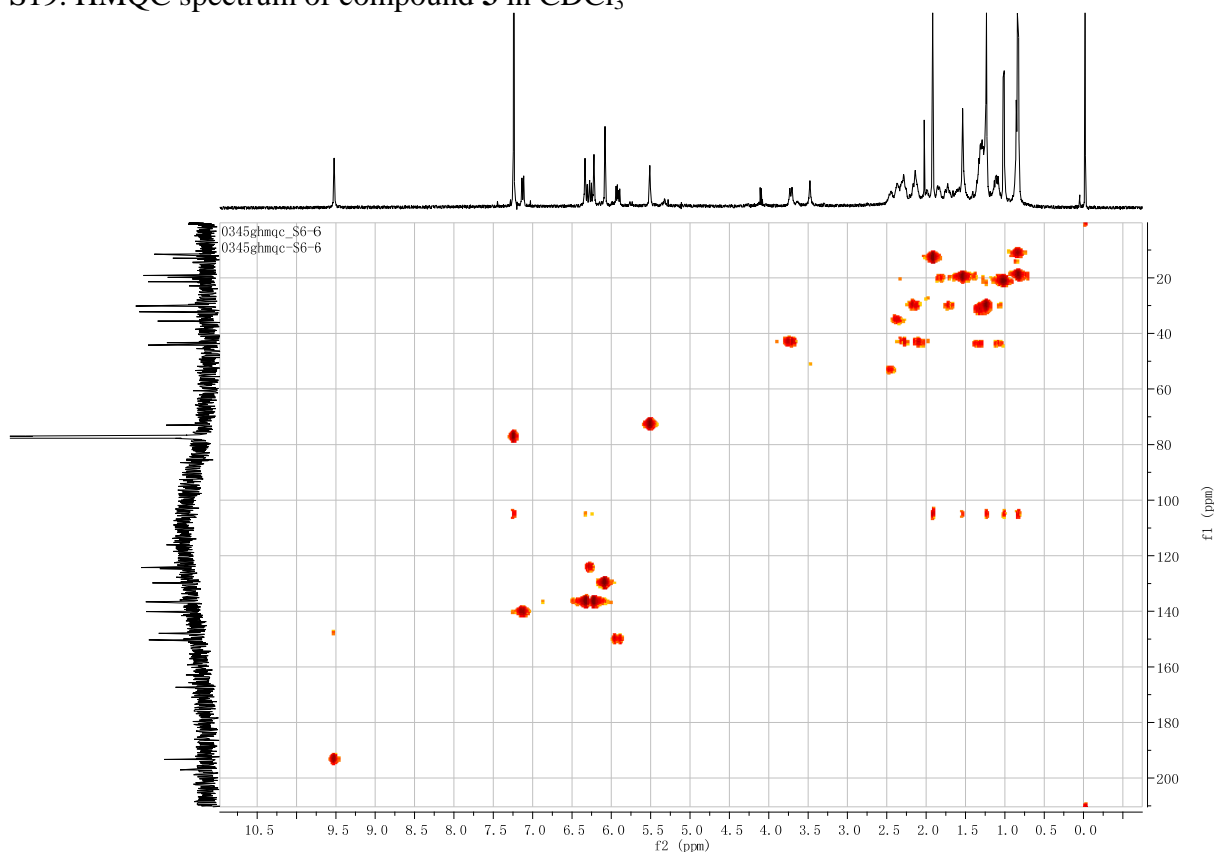
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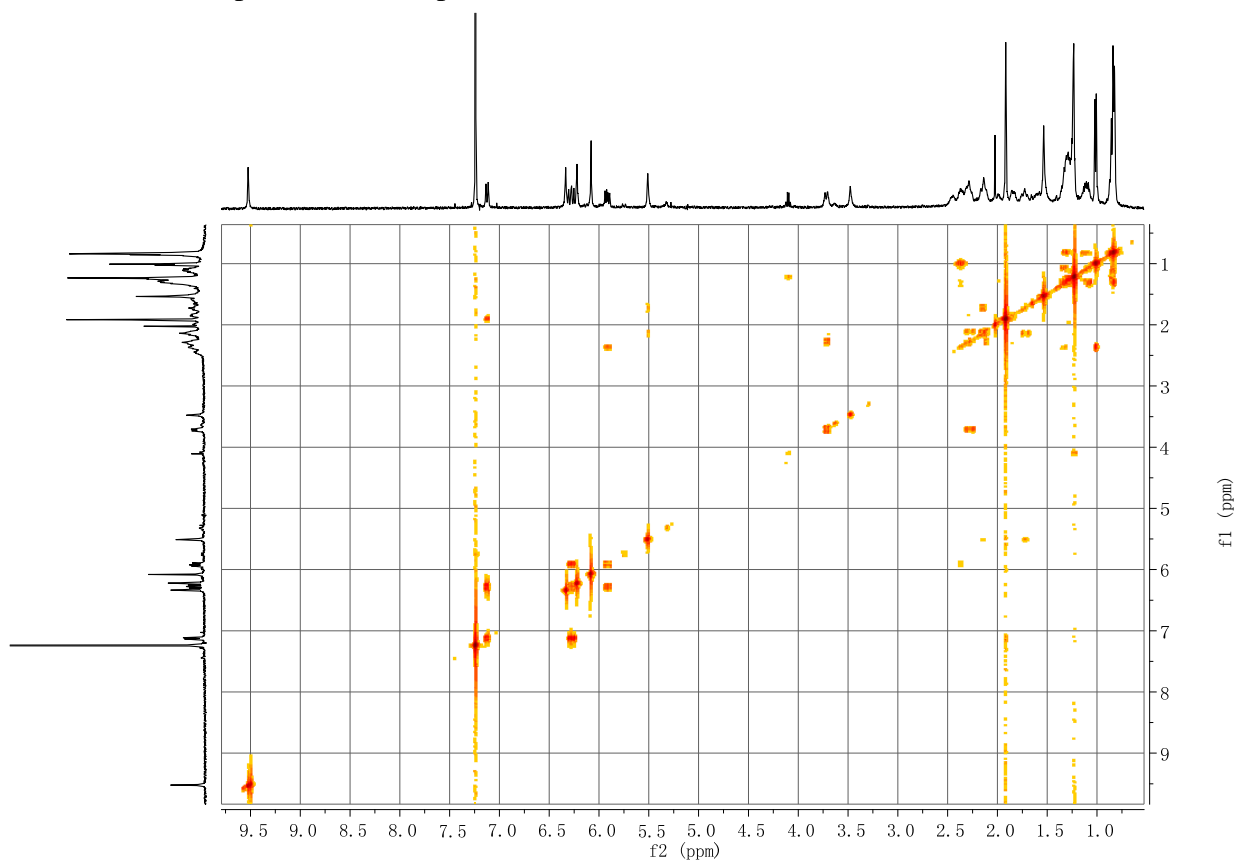
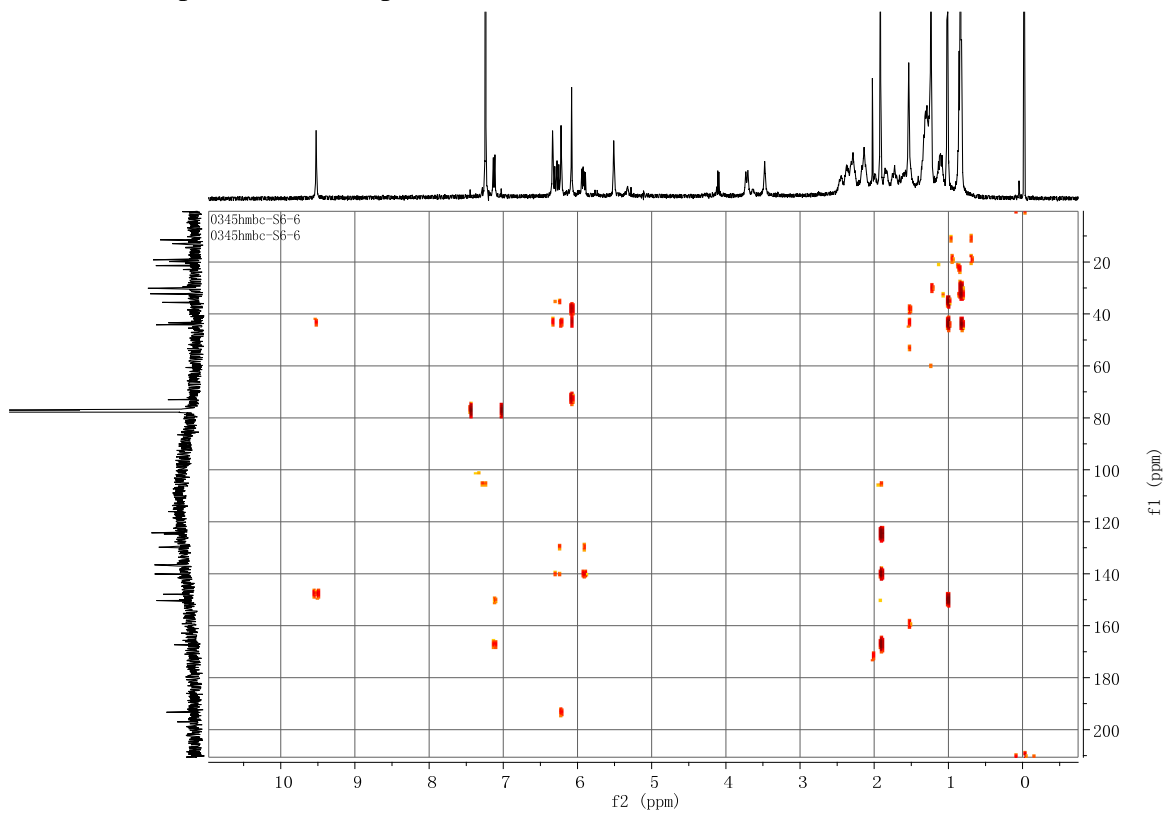
s6-6

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S17. ^1H NMR (500 MHz, CDCl_3) spectrum of compound 3

S18. ^{13}C NMR (125 MHz, CDCl_3) spectrum of compound 3S19. HMQC spectrum of compound 3 in CDCl_3 

S20. H-H COSY spectrum of compound **3** in CDCl₃S21. HMBC spectrum of compound **3** in CDCl₃

S22. NOE spectrum of compound 3 in CDCl₃

