Skeletocutins M-Q, biologically active compounds from the fruiting bodies of the basidiomycete *Skeletocutis* sp. collected in Africa

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Figure S3: DEPT NMR spectrum of skeletocutin M (**1**) in acetone-d$_6$ (125 MHz)

tch16_13291Fa-mucl56074 yms f21f3-474_2
13C
ACETONE-d6
5 C's

M01(s)
9.13

ACETONE-d6

TMS

29.92
29.61
27.79
24.38
M02(s)

Figure S4: ^{1}H, ^{13}C HSQC spectrum of skeletocutin M (**1**) in acetone-d$_6$ (500 MHz, 125MHz)

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1 and 2D NMR data for skeletocutin N (2)

Figure S8: ^{1}H NMR spectrum of skeletocutin N (2) in CDCl$_3$ (500 MHz)

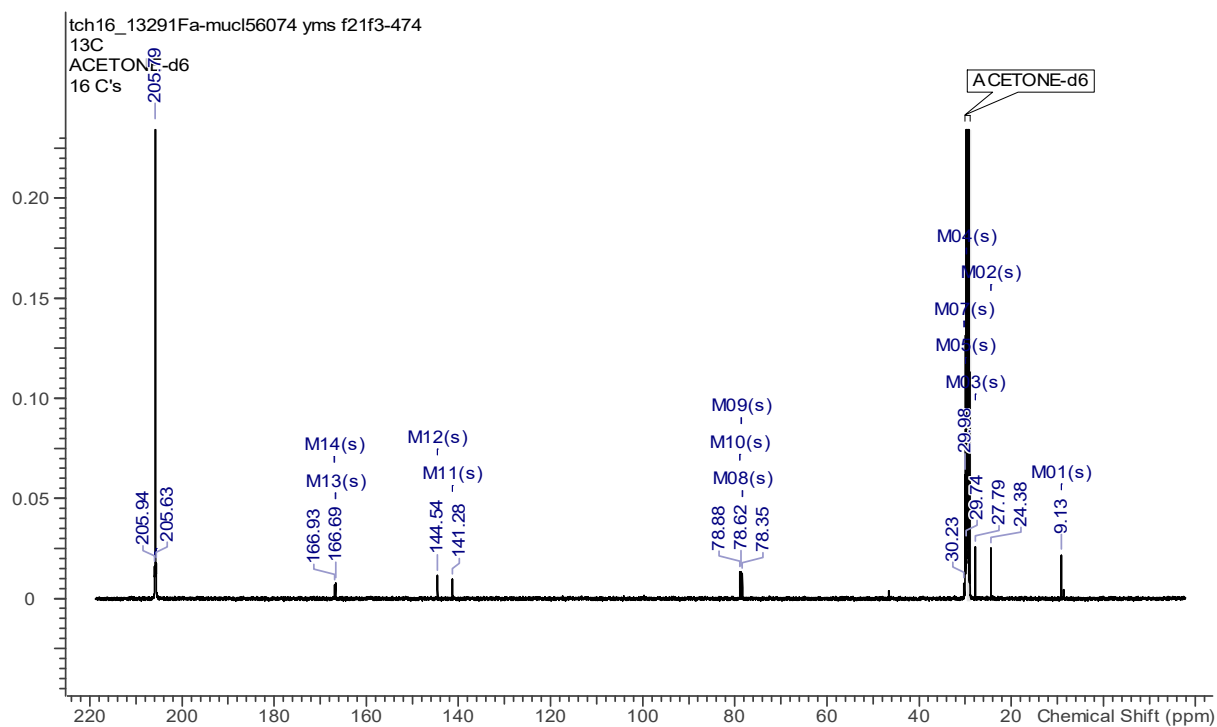Figure S9: ^{13}C NMR spectrum of skeletocutin N (2) in CDCl$_3$ (125 MHz)

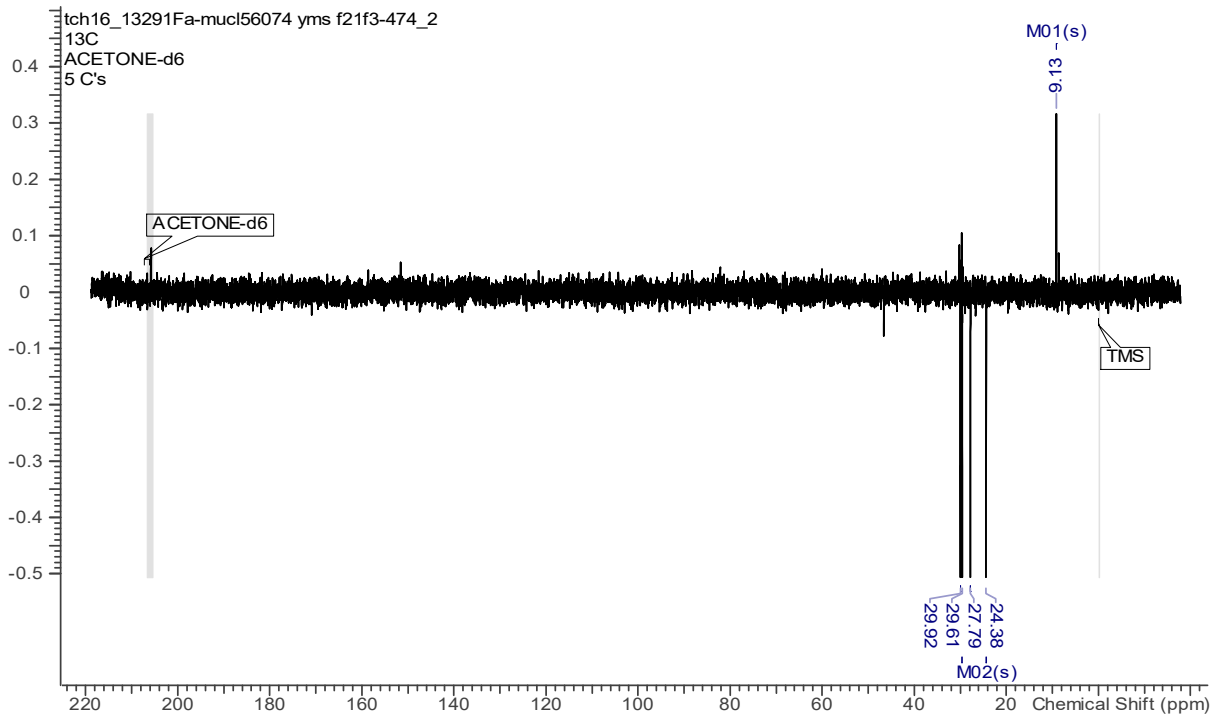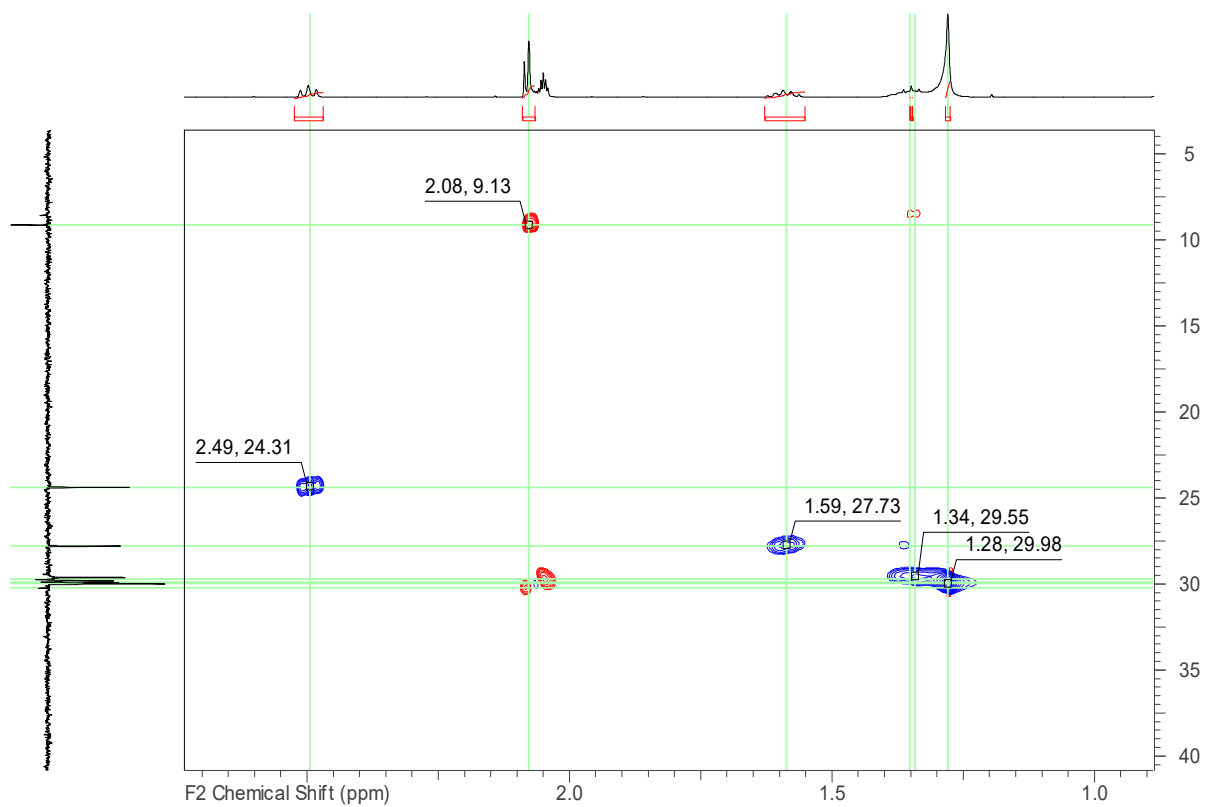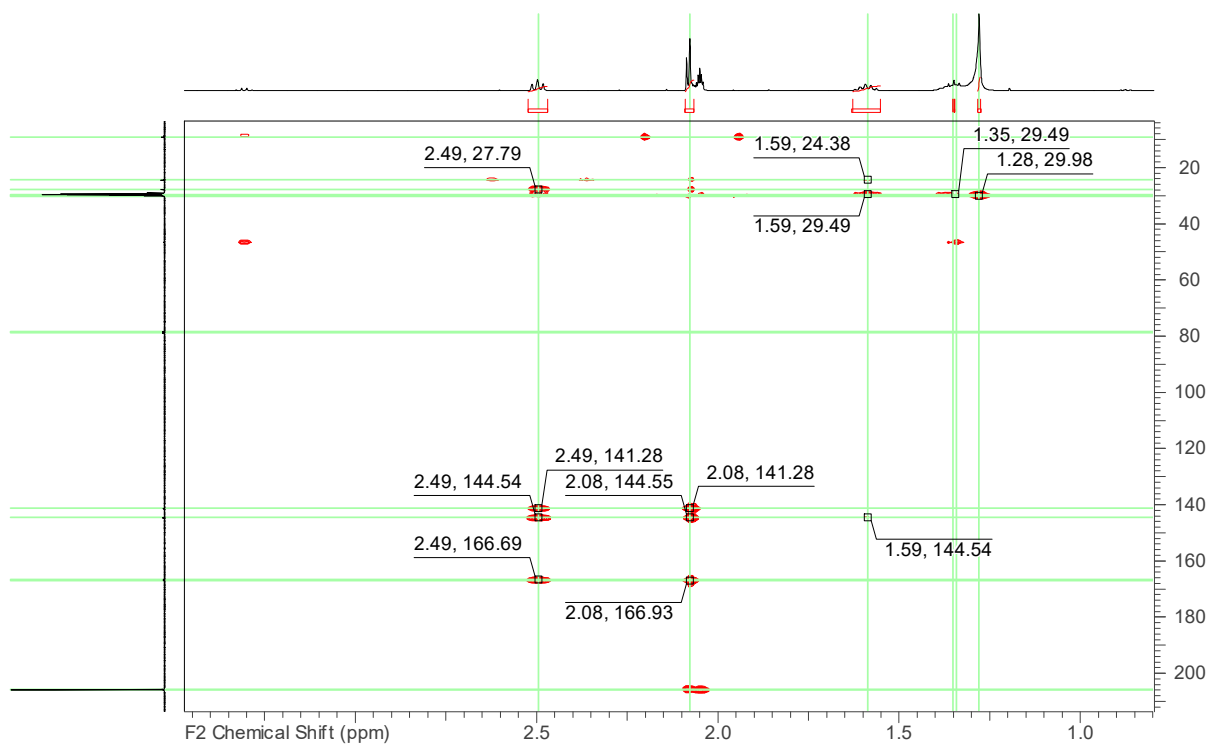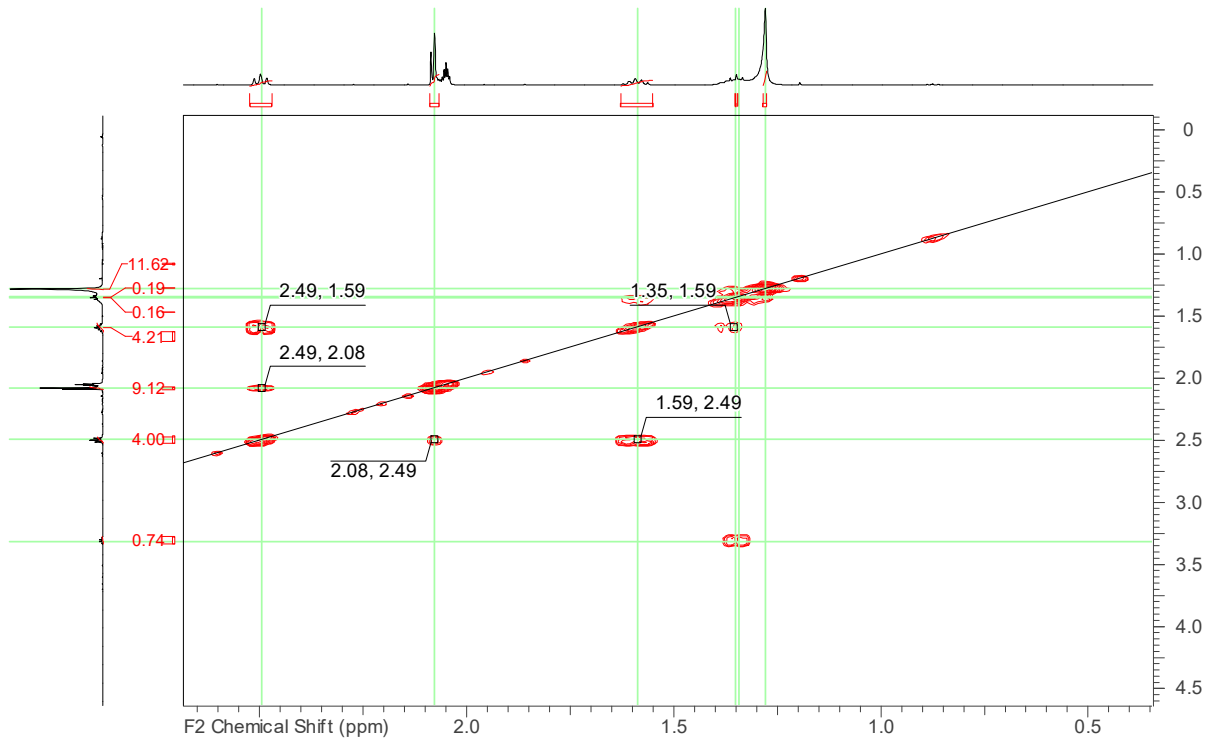Figure S10: DEPT NMR spectrum of skeletocutin N (**2**) in CDCl₃ (125 MHz)

Figure S11: ¹H, ¹³C HSQC spectrum of skeletocutin N (**2**) in CDCl₃ (500 MHz, 125MHz)

Figure S12: ^{1}H, ^{13}C HMBC spectrum of skeletocutin N (**2**) in CDCl$_3$ (500 MHz, 125MHz)

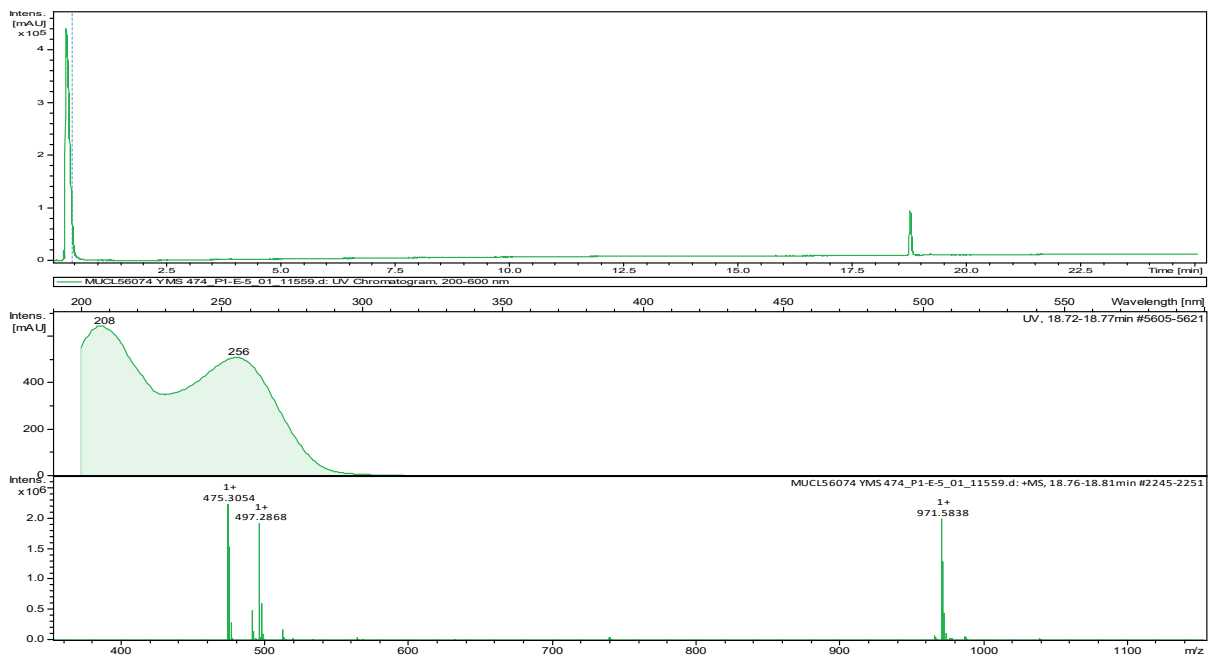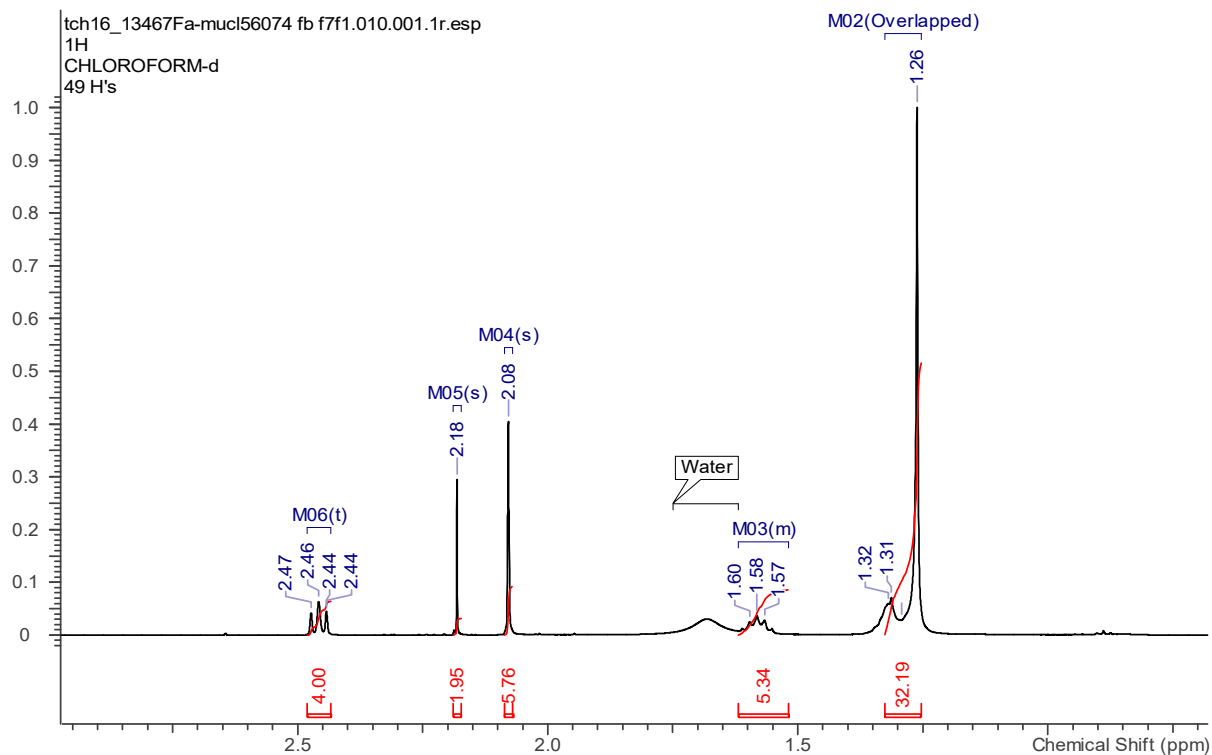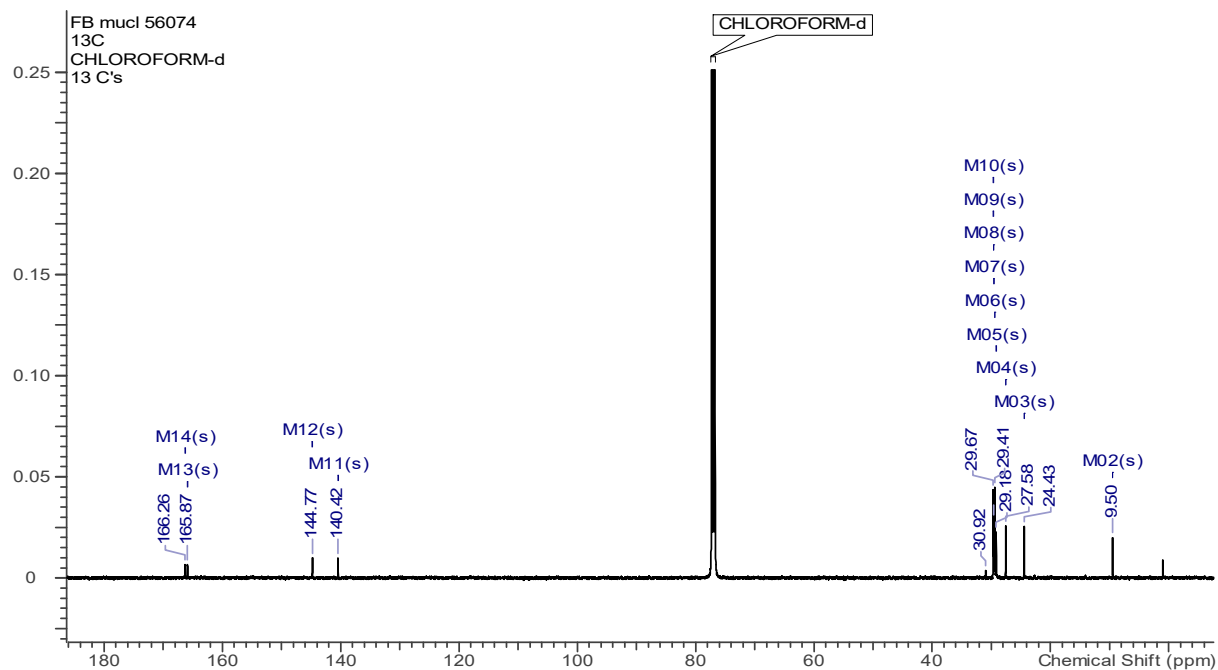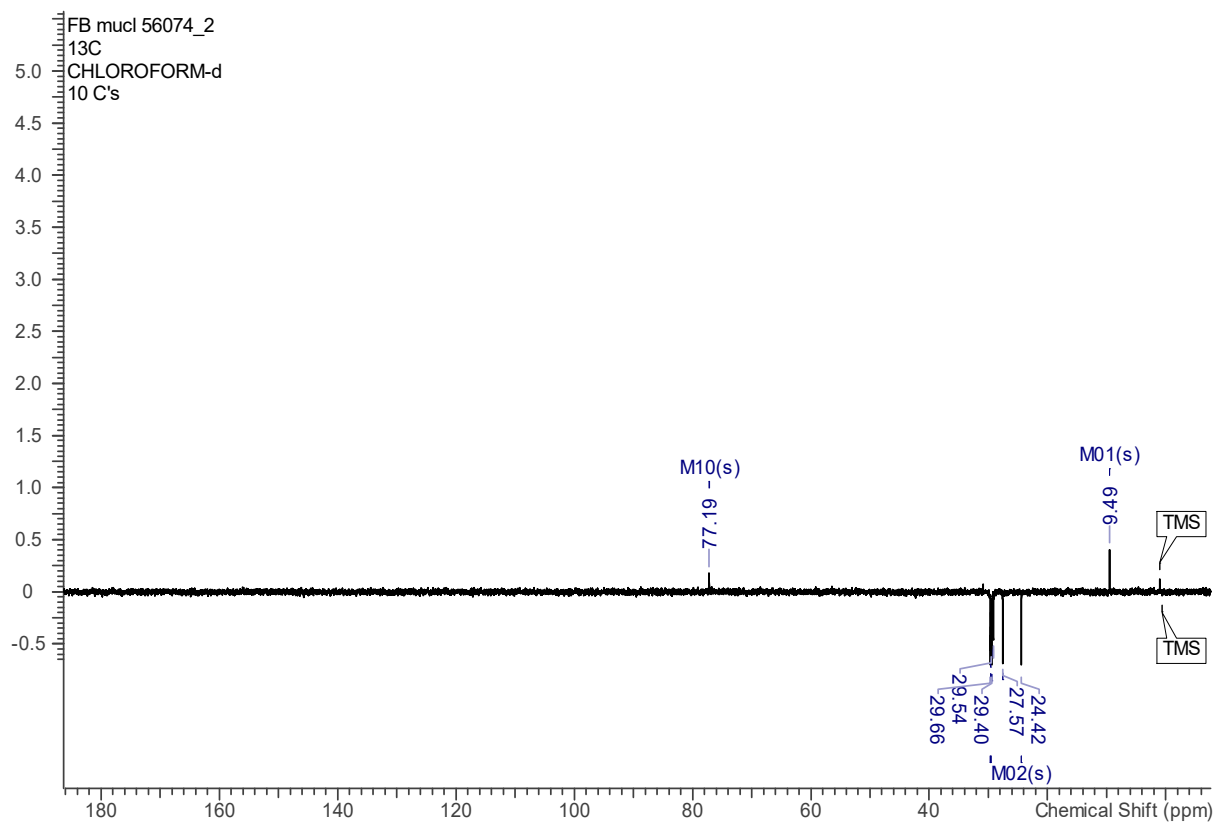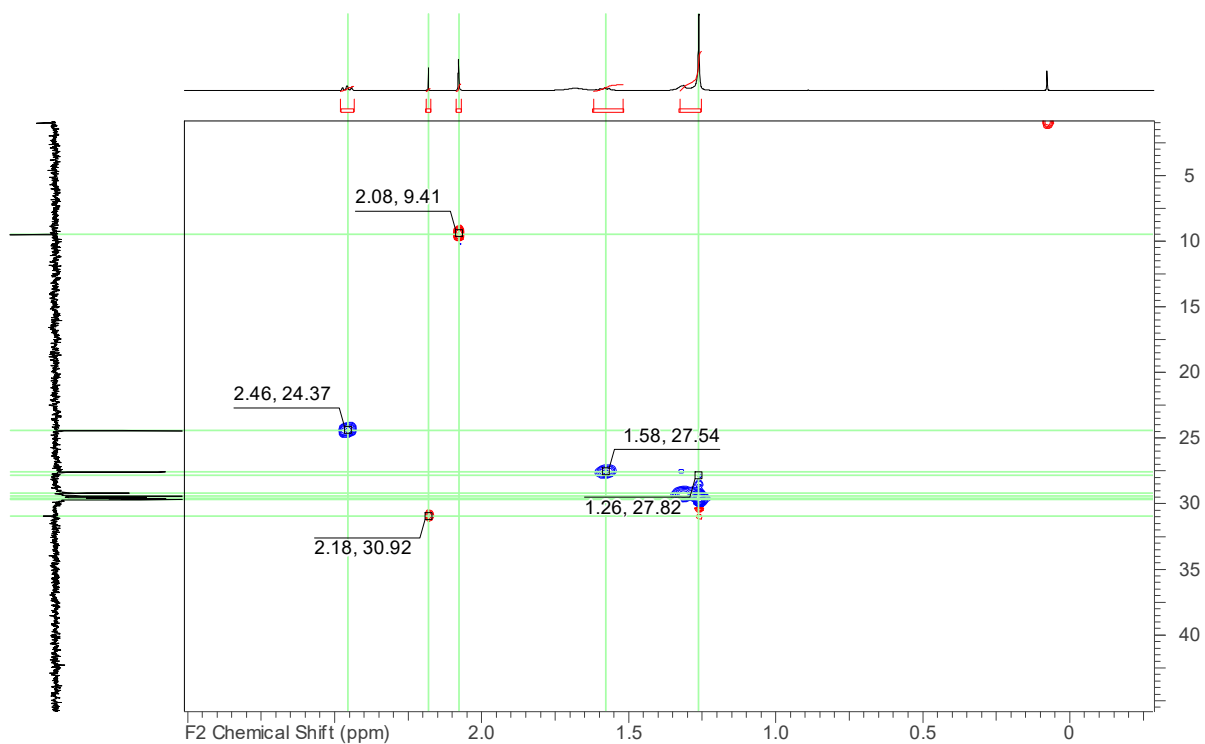Figure S13: ^{1}H, ^{1}H COSY spectrum of skeletocutin N (**2**) CDCl$_3$ (500 MHz)

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1 and 2D NMR data for skeletocutin O (3)

Figure S15: ^{1}H NMR spectrum of skeletocutin O (**3**) in CDCl$_3$ (500 MHz)

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Figure S19: ^1H, ^{13}C HSQC spectrum of skeletocutin O (**3**) in CDCl$_3$ (500 MHz, 125MHz)

Figure S20: ^1H, ^{13C} HMBC spectrum of skeletocutin O (**3**) in CDCl$_3$ (500 MHz, 125MHz)
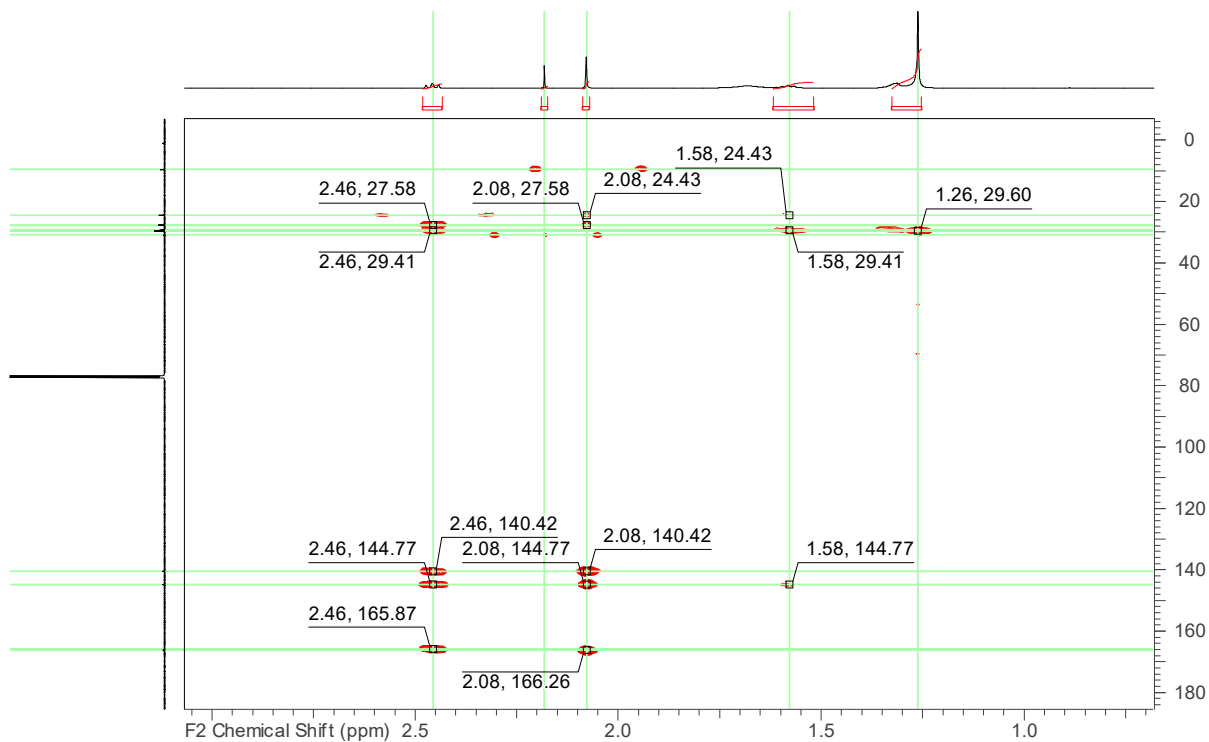
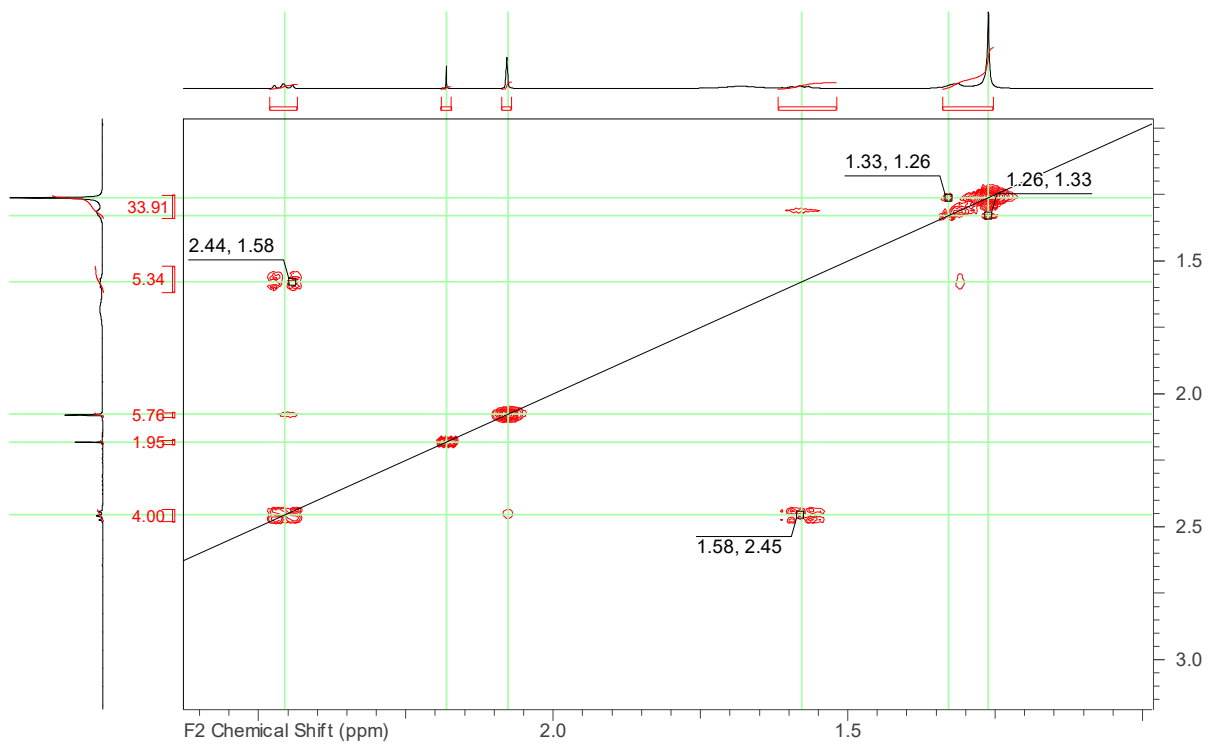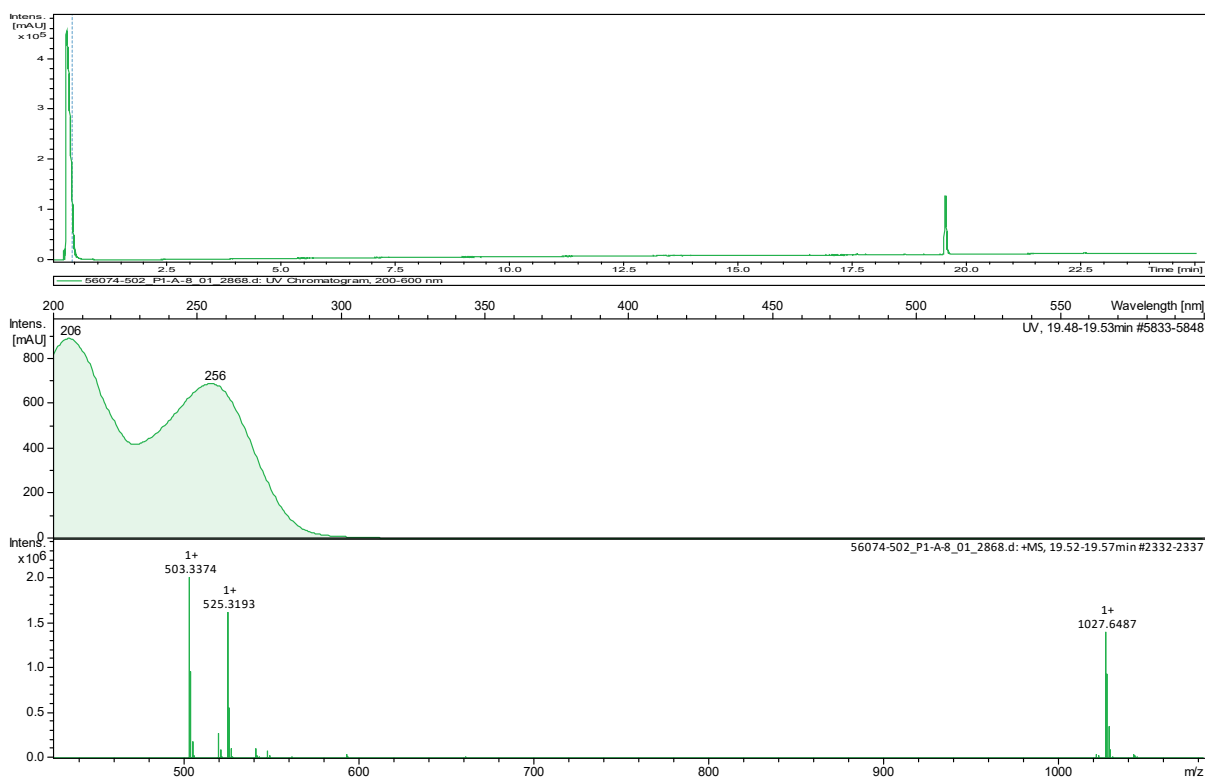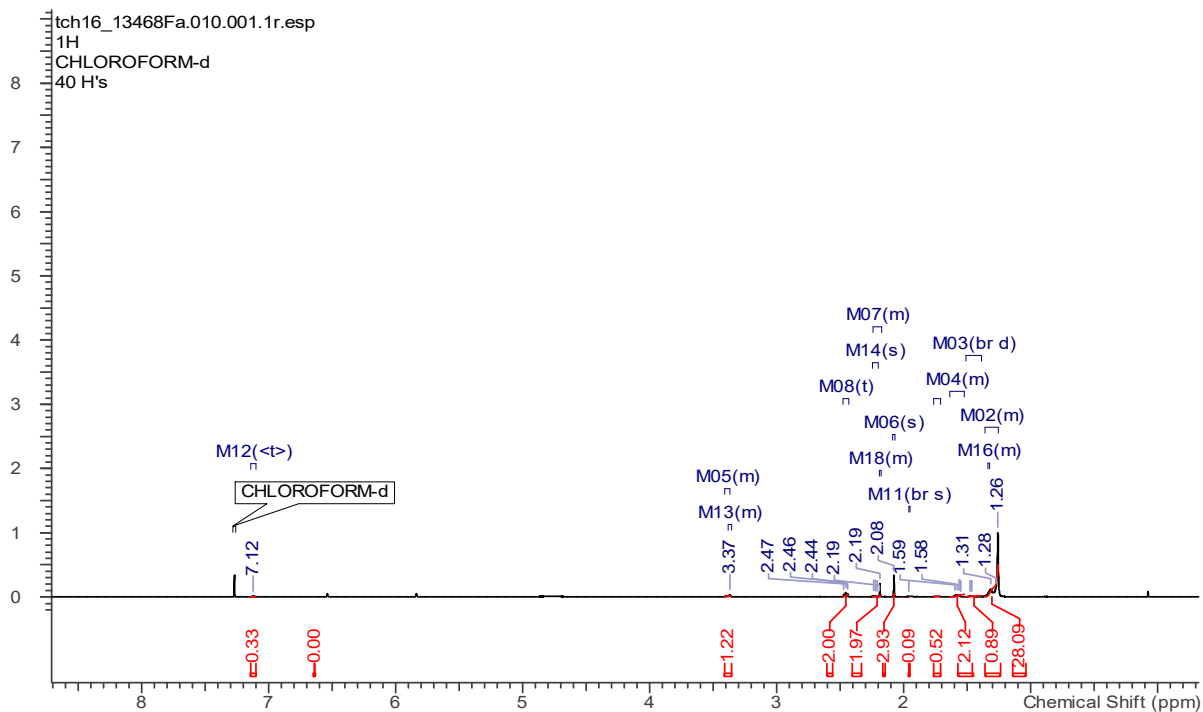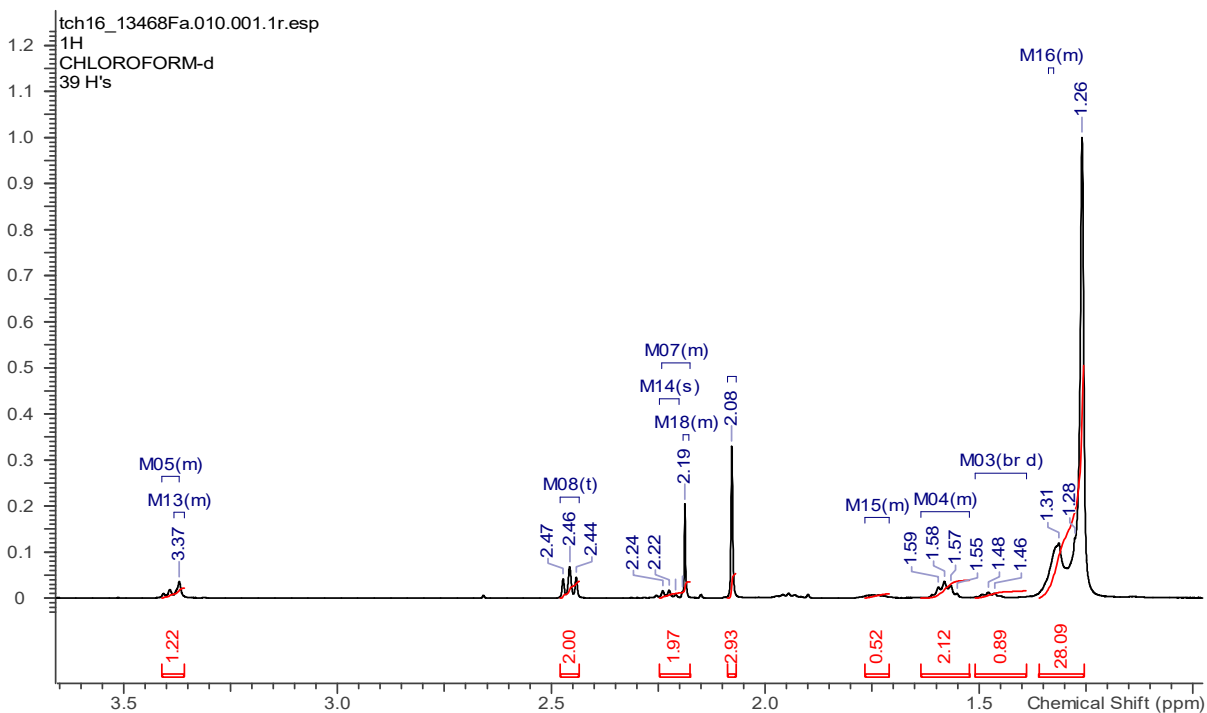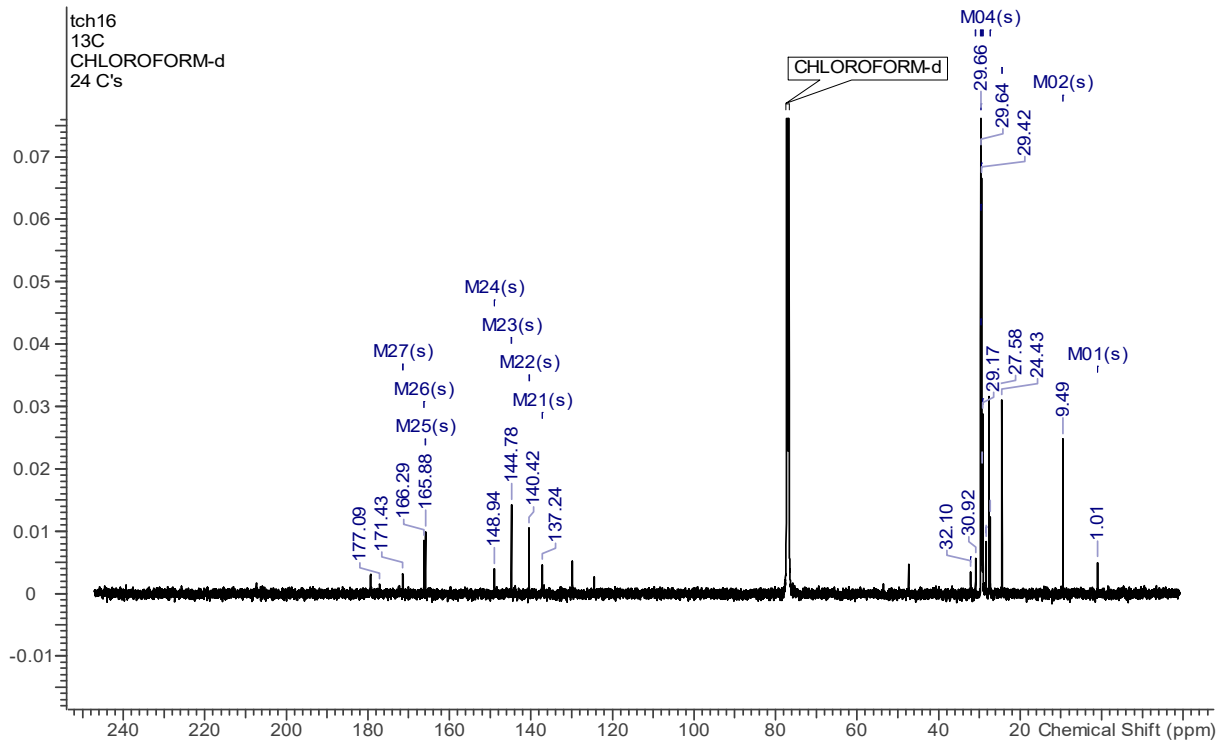Figure S21: ¹H, ¹H COSY spectrum of skeletocutin O (**3**) CDCl₃ (500 MHz)

Figure S22: HRESIMS spectrum of skeletocutin O (**3**)

1 and 2D NMR data for skeletocutin P (4)

Figure S23: ^1H NMR spectrum of skeletocutin P (4) in DMSO (500 MHz)

Figure S24: ^{13}C NMR spectrum of skeletocutin P (4) in DMSO (125 MHz)

Figure S25: DEPT NMR spectrum of skeletocutin P (**4**) in DMSO (125 MHz)
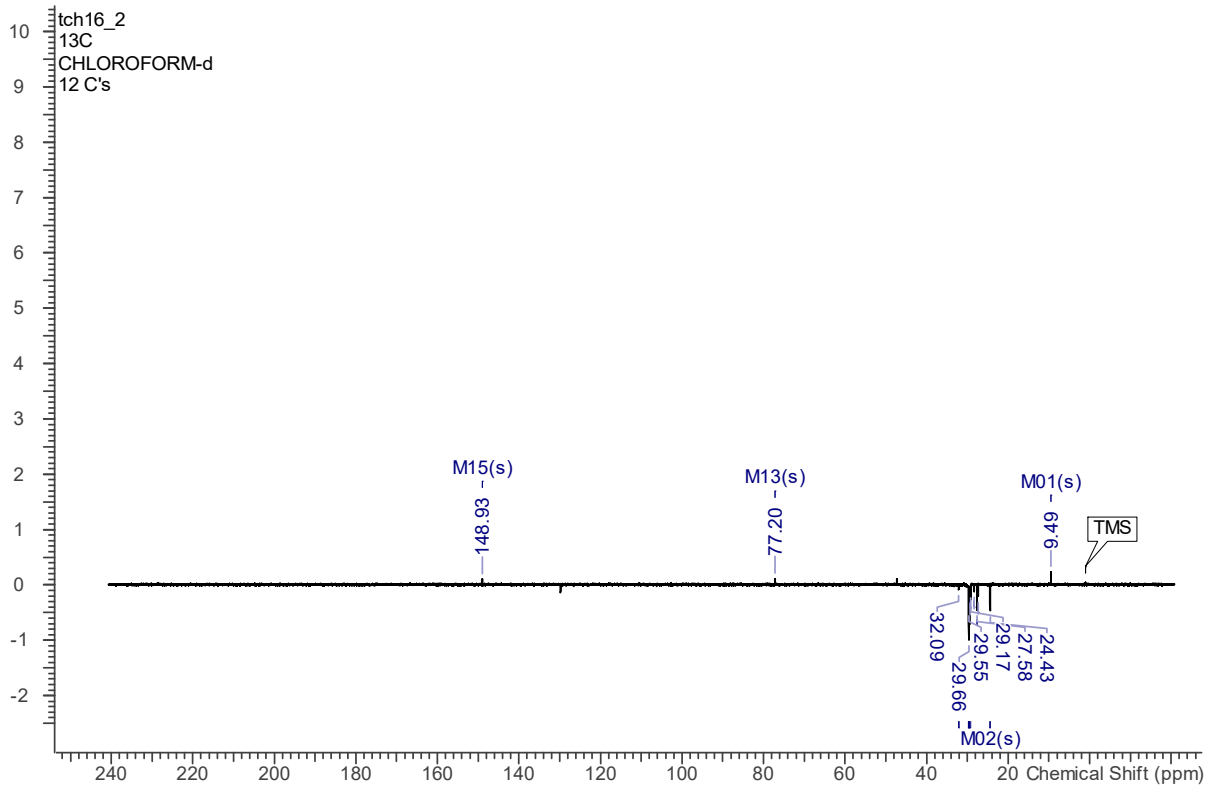

Figure S26: ^{1}H, ^{13}C HSQC spectrum of skeletocutin P (**3**) in DMSO (500 MHz, 125MHz)
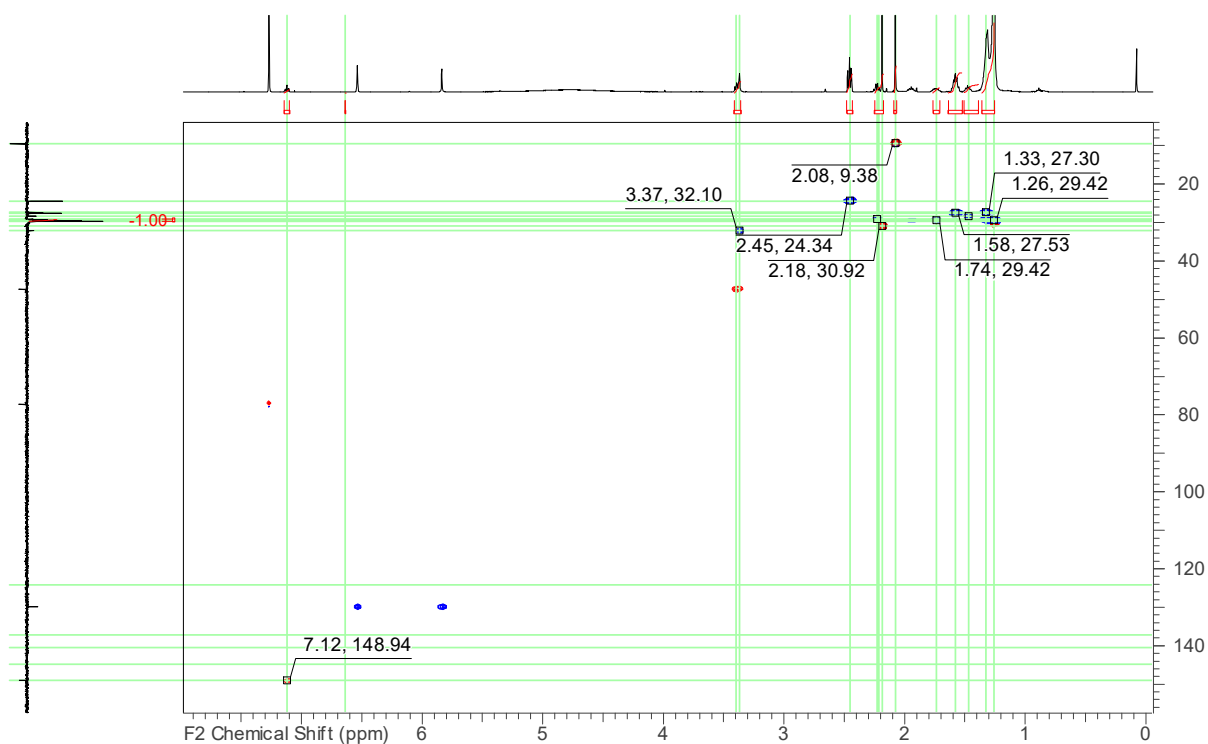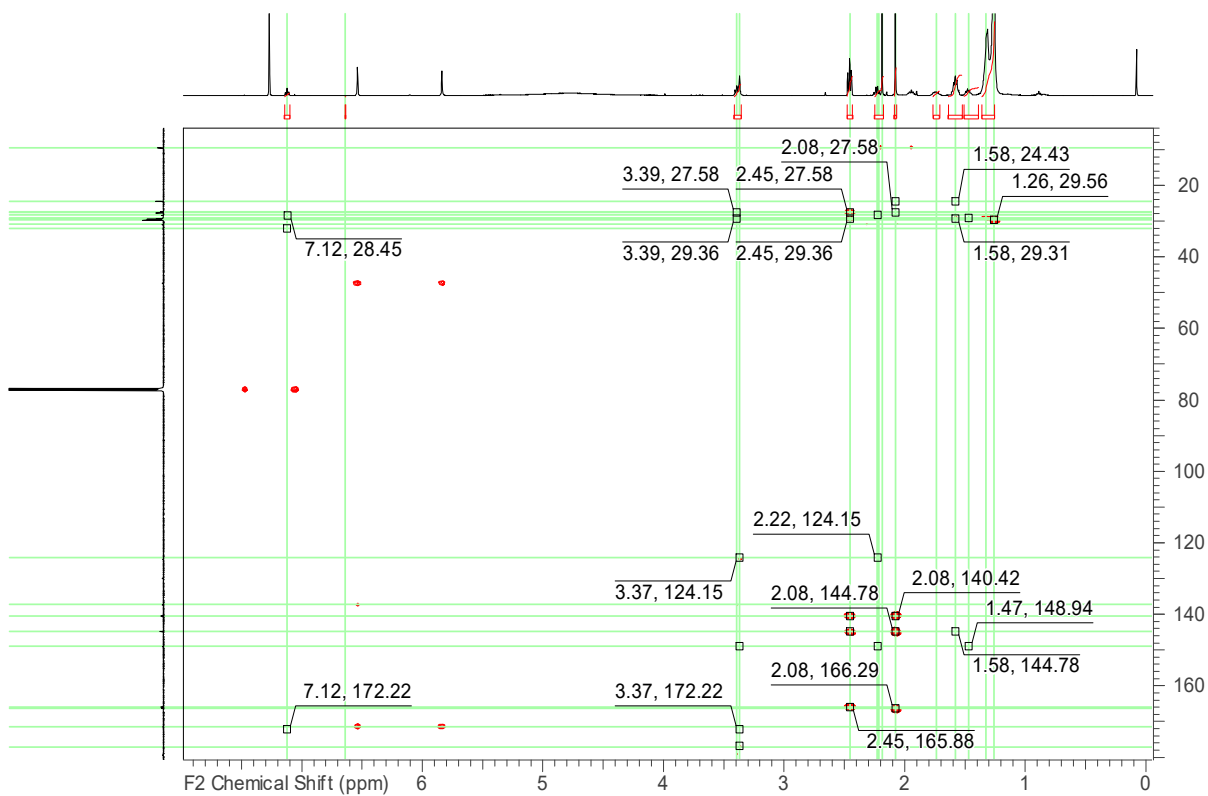
Figure S27: ^{1}H, ^{13}C HMBC spectrum of skeletocutin P (**4**) in DMSO (500 MHz, 125MHz)

Figure S28: ^{1}H, ^{1}H COSY spectrum of skeletocutin O (**4**) in DMSO (500 MHz)
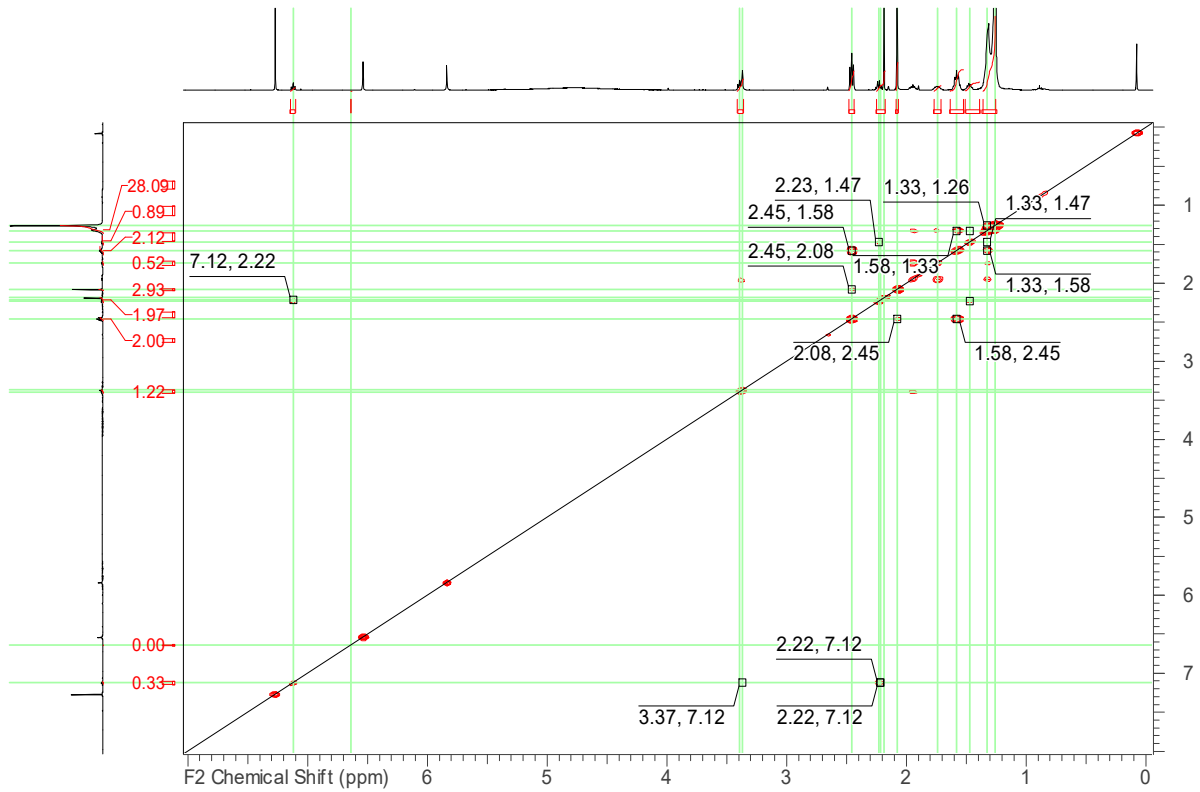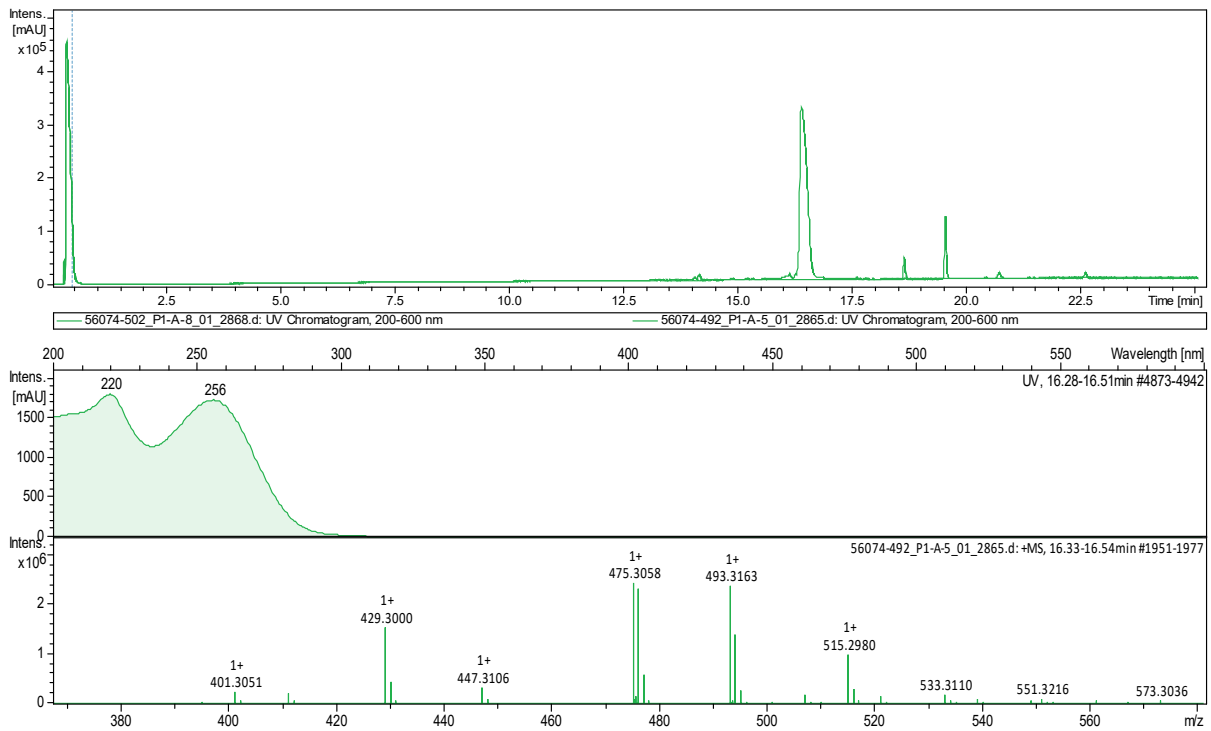
Figure S29: HRESIMS spectrum of skeletocutin P (**4**)

1 and 2D NMR data for skeletocutin Q (5)

Figure S30: ^{1}H NMR spectrum of skeletocutin Q (**5**) in DMSO (500 MHz)

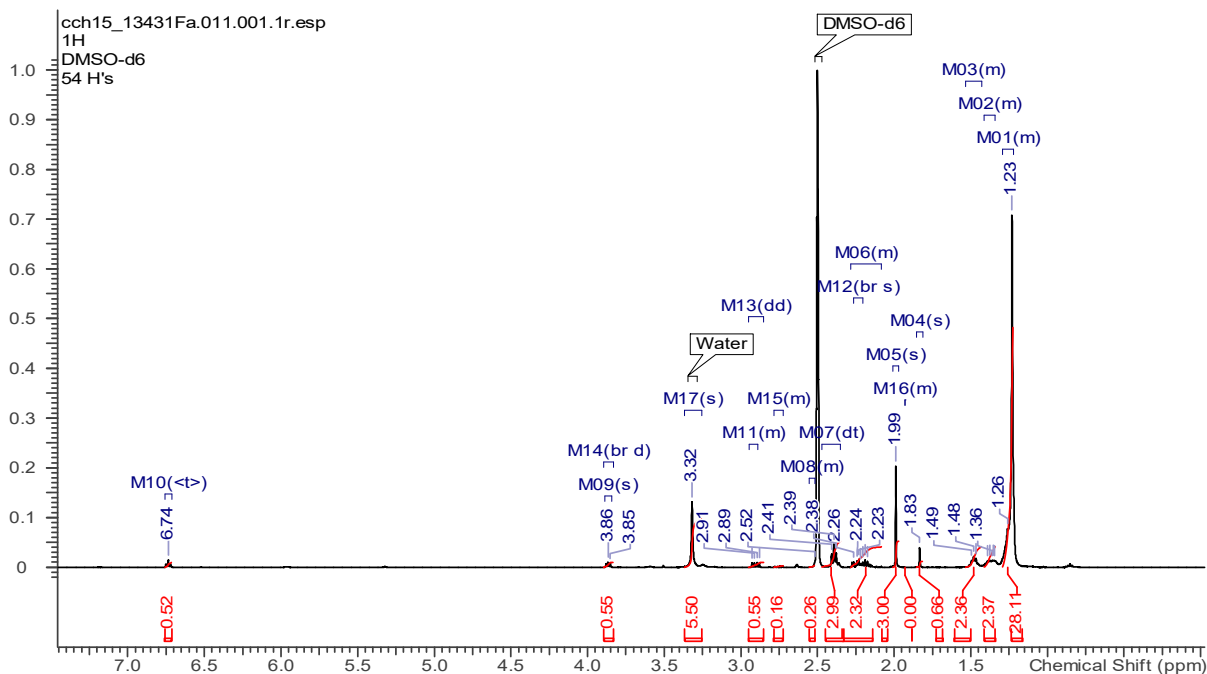Figure S31: ^{13}C NMR spectrum of skeletocutin Q (**5**) in DMSO (125 MHz)
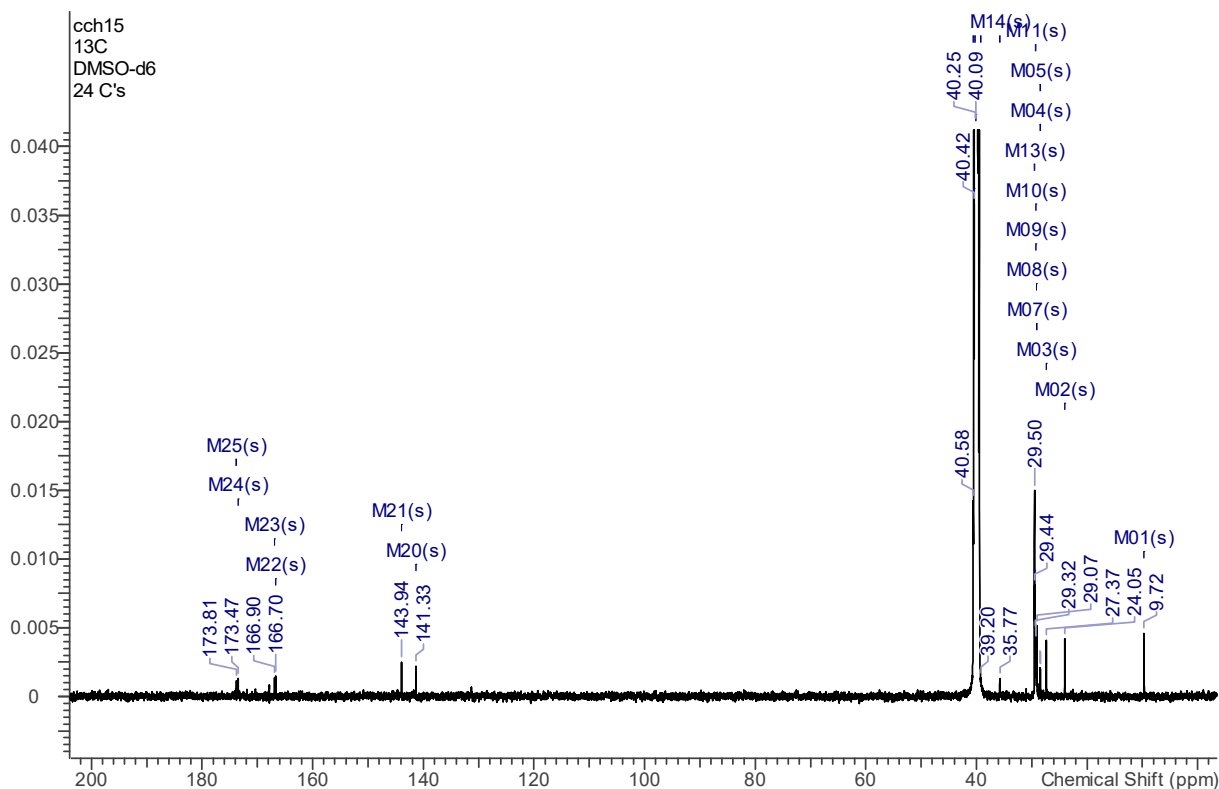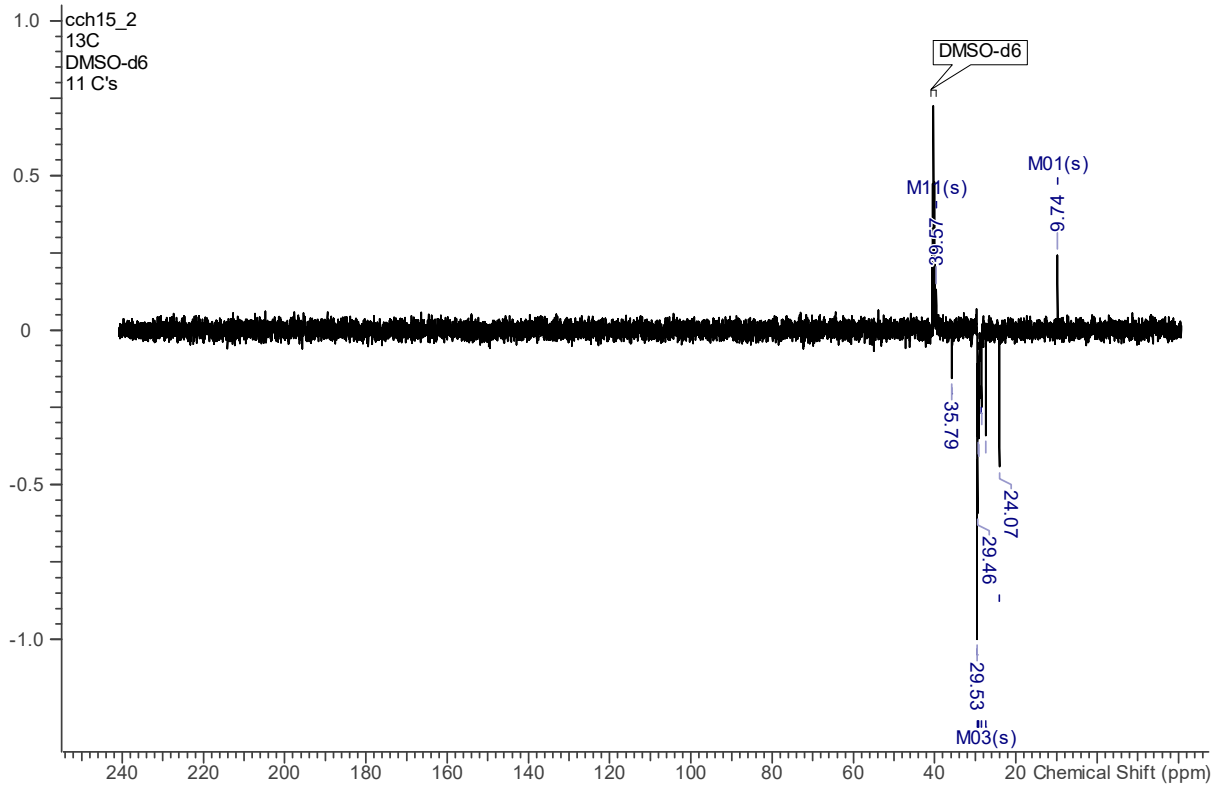
Figure S32: DEPT NMR spectrum of skeletocutin Q (**5**) in DMSO (125 MHz)

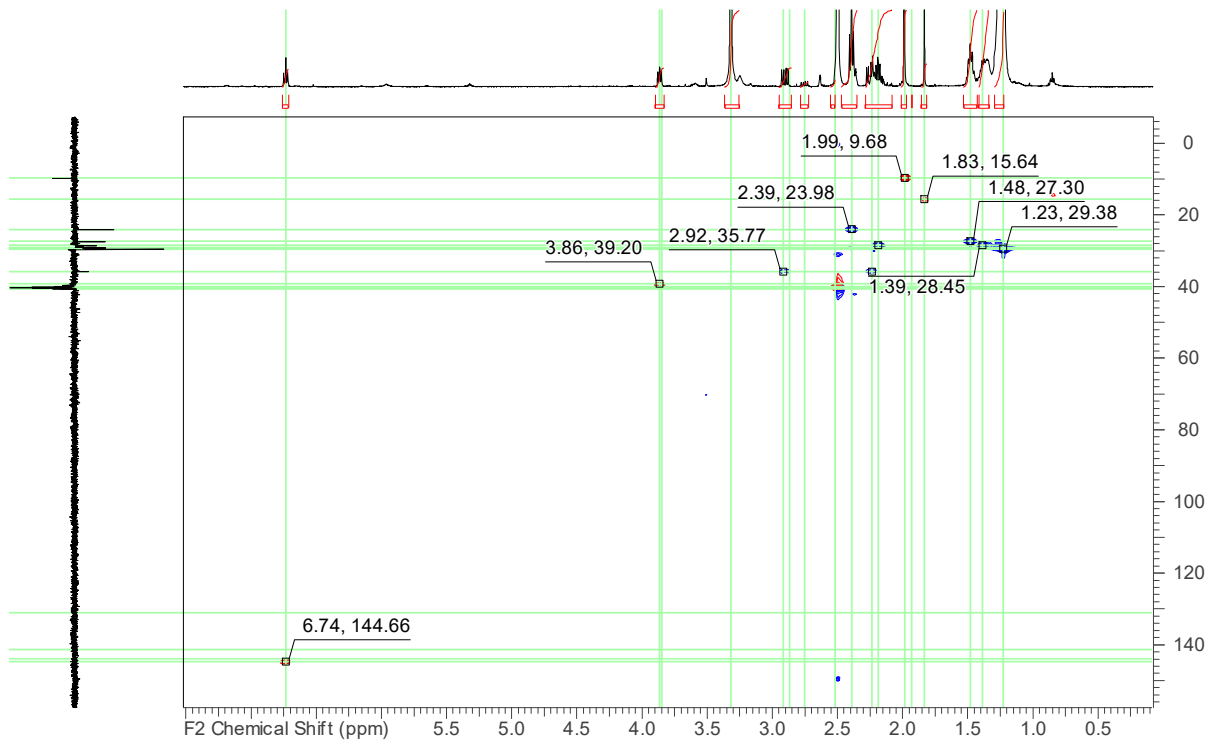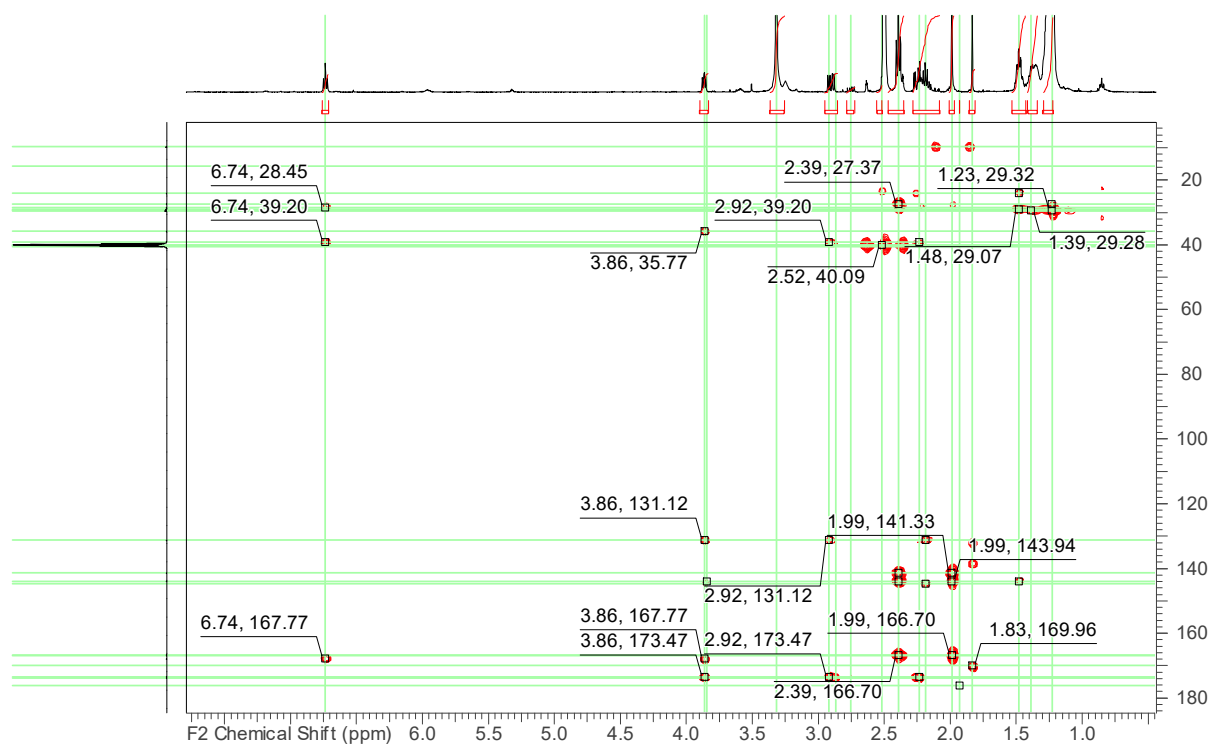Figure S33: ¹H, ¹³C HSQC spectrum of skeletocutin Q (**5**) in DMSO (500 MHz, 125MHz)

Figure S34: ^{1}H, ^{13}C HMBC spectrum of skeletocutin Q (**5**) in DMSO (500 MHz, 125MHz)

Figure S35: ^{1}H, ^{1}H COSY spectrum of skeletocutin Q (**5**) in DMSO (500 MHz)
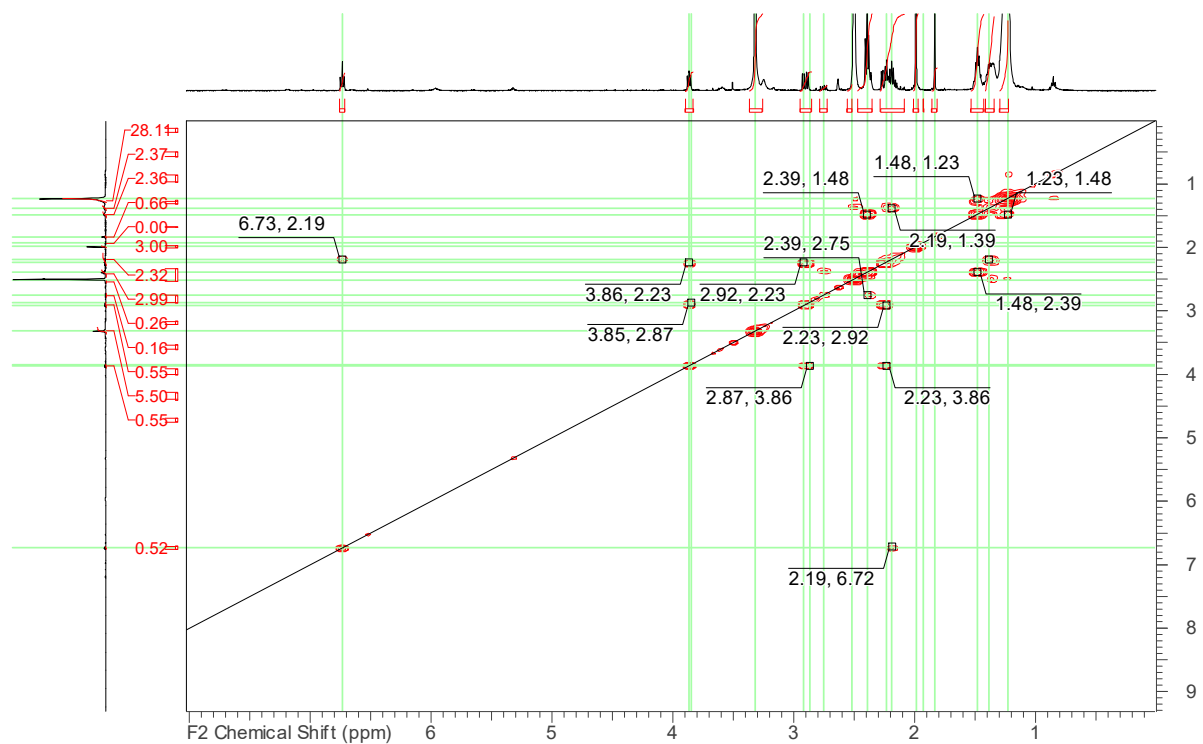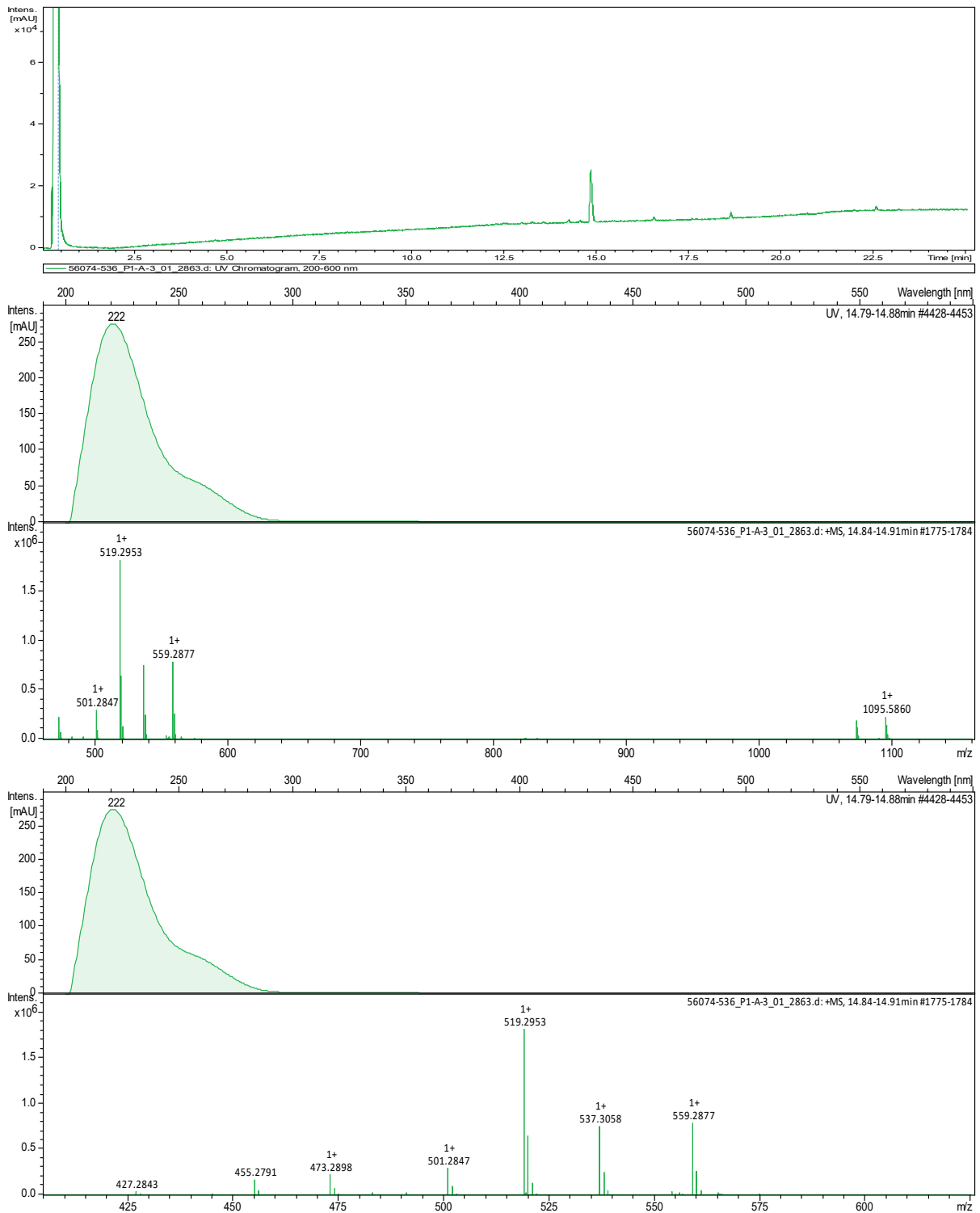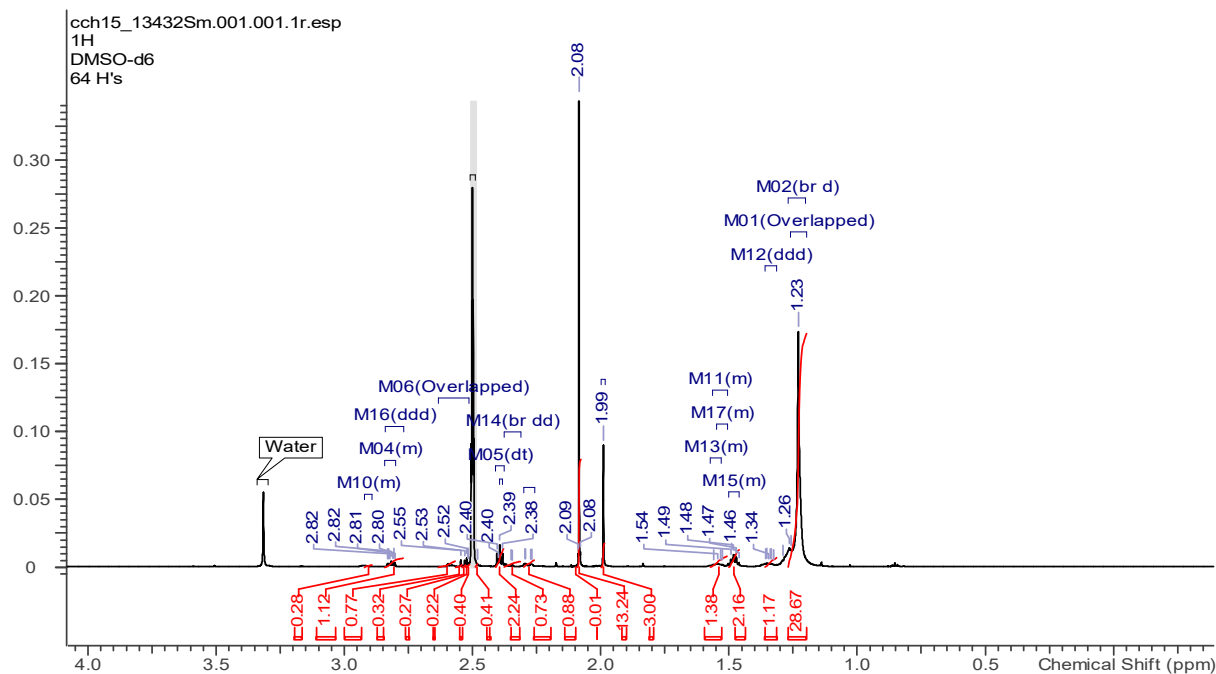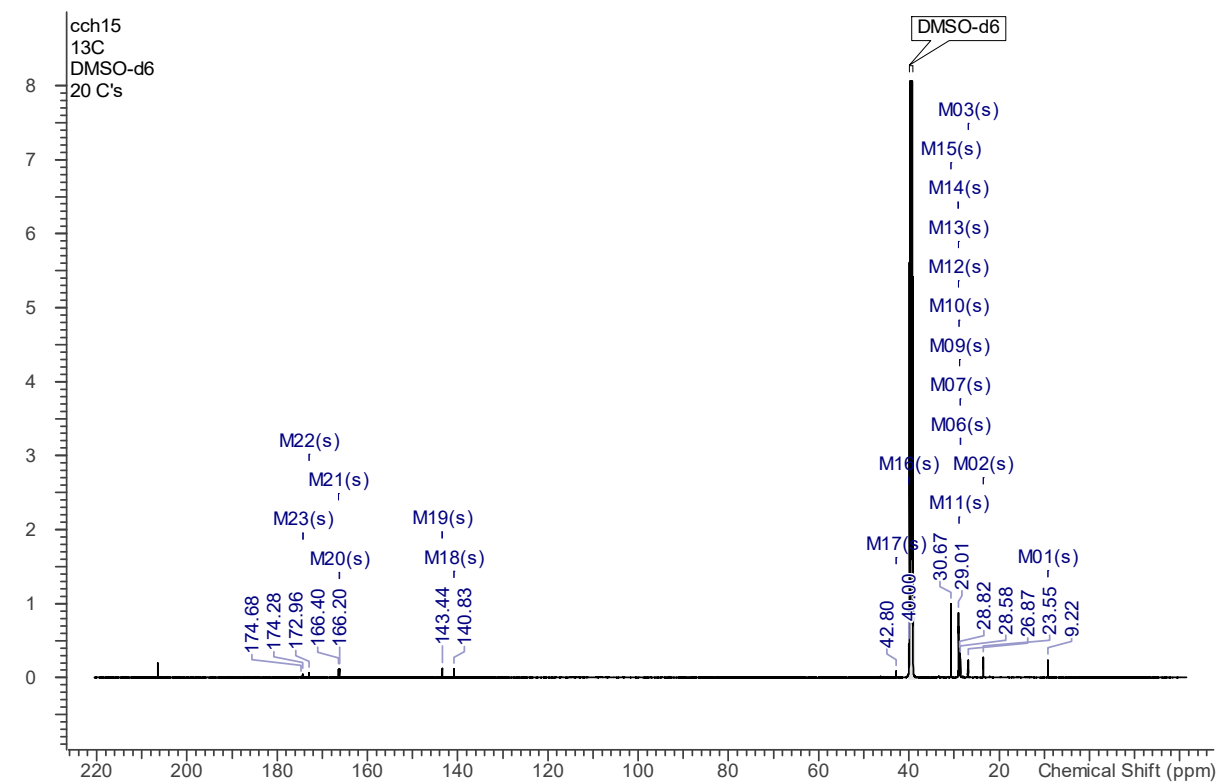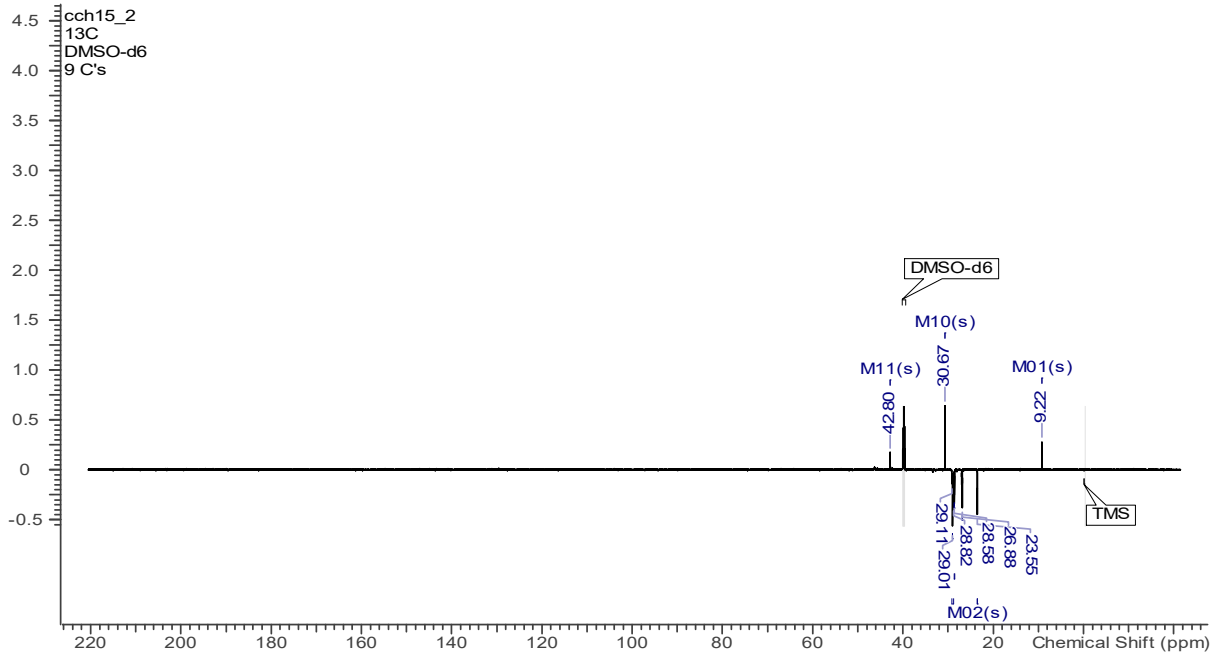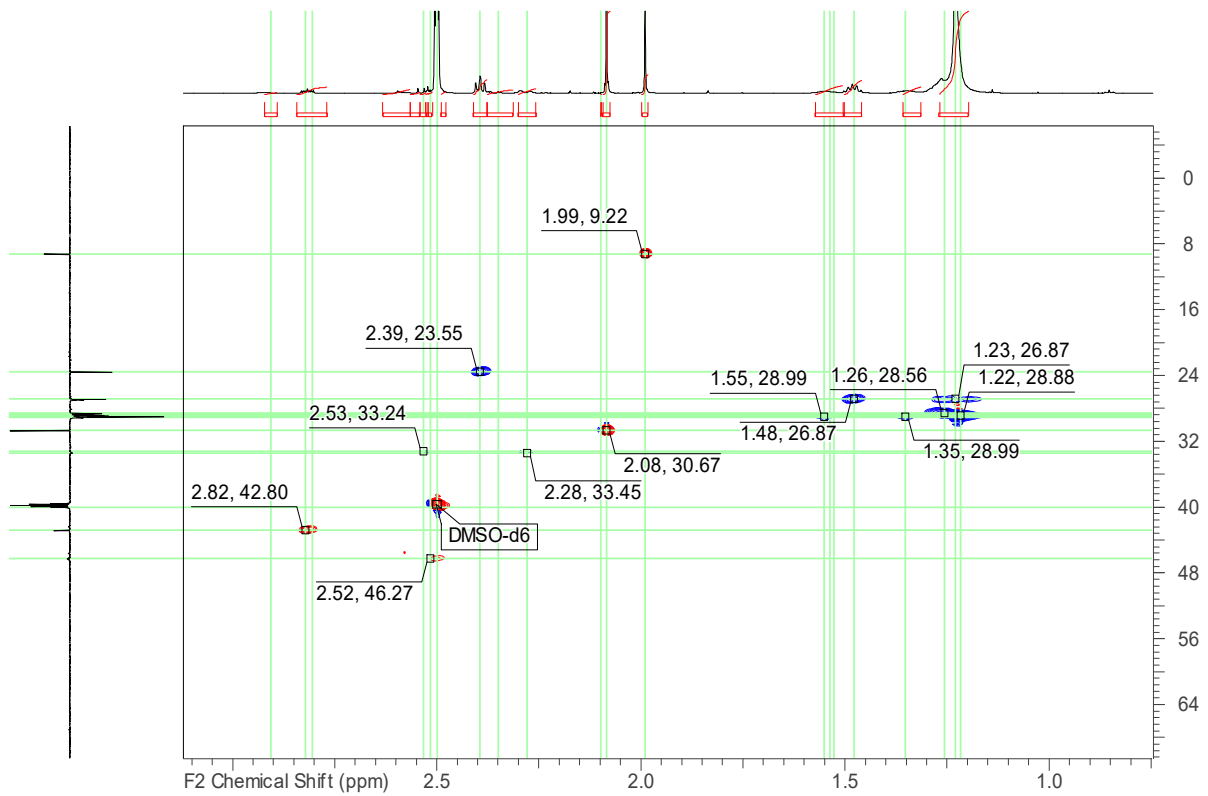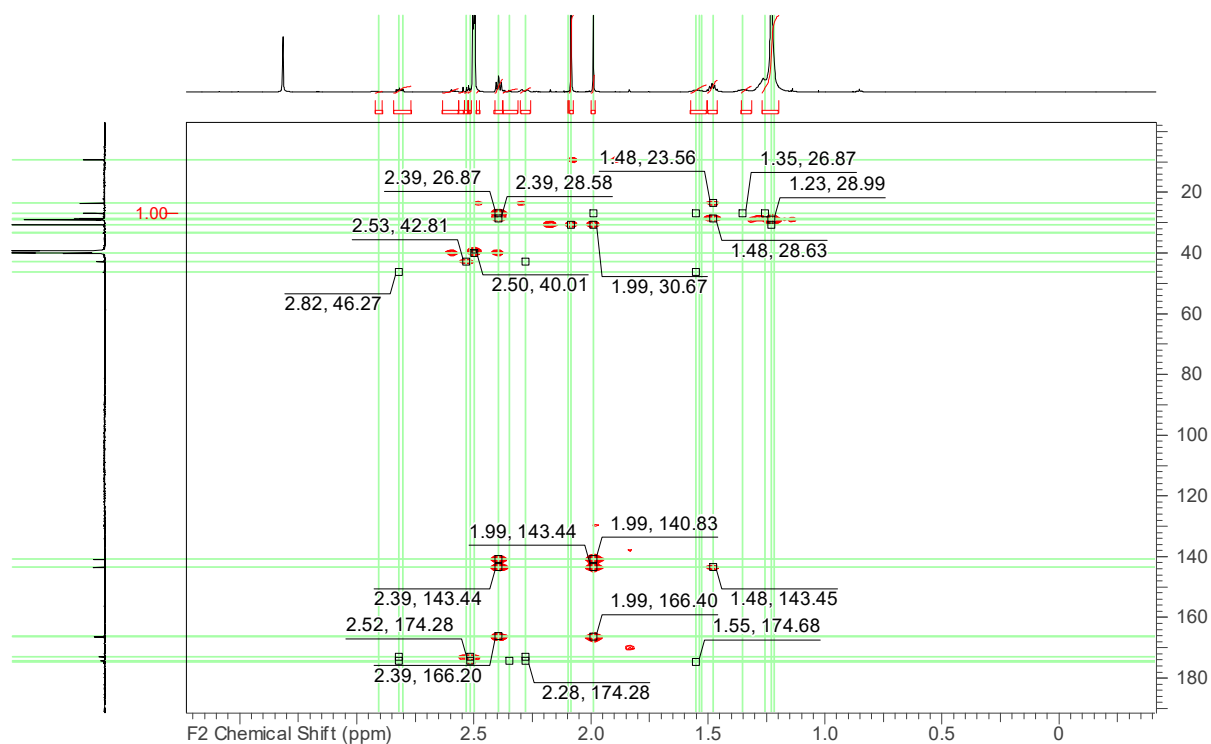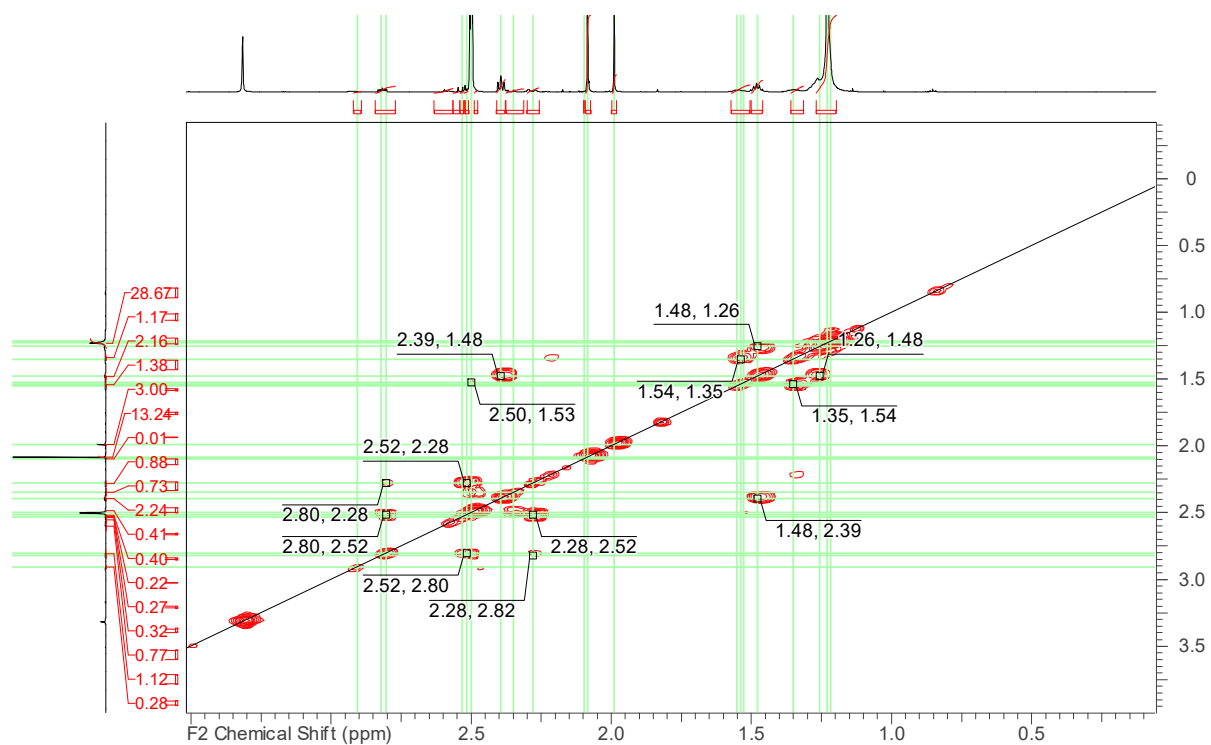
Figure S36: HRESIMS spectrum of skeletocutin Q (**5**)
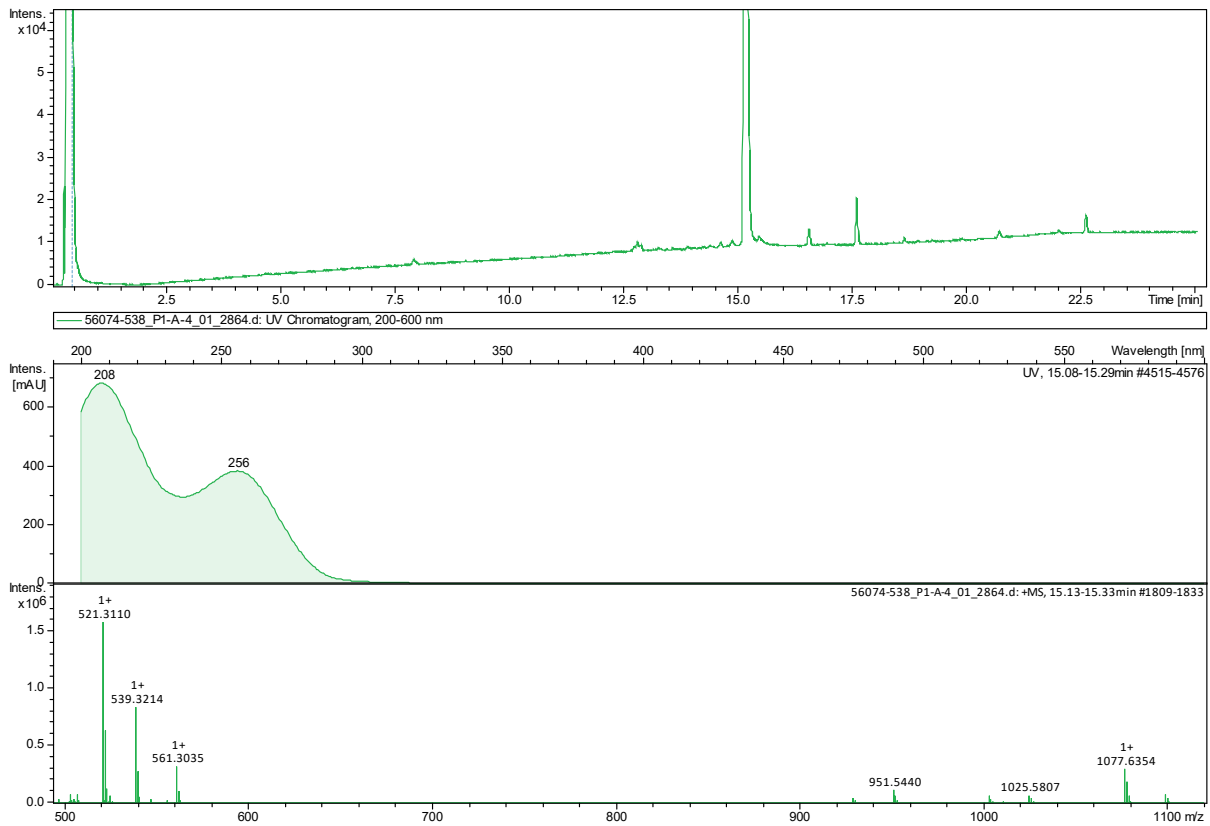
Media

YMG: 10 g/L malt extract, 4 g/L yeast extract, 4 g/L D-glucose and PH=6.3;

MHB: Mueller Hinton Broth (comprising beef infusion solids, 2.0 g/L; casein hydrolysate, 17.5 g/L; starch, 1.5 g/L).

ITS sequence

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CAGCTACAGCGTAGACAATTATCACACTGAAGCTAGACCTGAGCAAAGATTTCCAG
CTAATATATTCAAGAGGAGCAGATTTATTACTAAACCTGCAAAGAGACCTCCAAATC
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ATGCGAGAGCCAAGAGATCCGTTGCTAAAAGTTATATATAATGCGTTATTTAAGCG
CAAGAGACATTCATGATACAGCGTGTGTGAATGAAACATAGGAAGGCGTCAACAAC
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TGTTAAAGATGAGTTGGATTTGAGCGAAGCGTGCACATGCCCCGAAAGGCCAGCT
ACAACTTCTTTCAAAGACTCGATAATGATCCTTCCGCAGGTTCACCTACGGAAACC
TTGTTACGACTTTTACTTCC