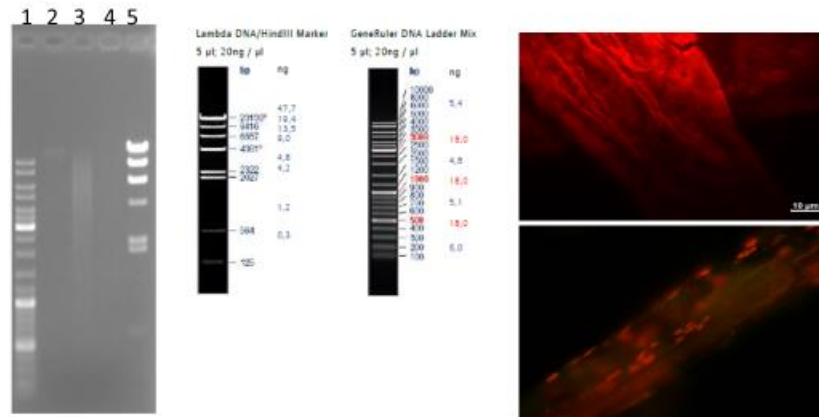


## SUPPORTING INFORMATION (SI)

### SI Figure S1 Denaturation of *Moorea producens* DNA

$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$  assisted differential gDNA isolation of *Moorea producens*



**Lane 1:** Gene ruler DNA ladder mix; **Lane 2:** *M. producens* treated with  $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$  for 30 min; **Lane 3 and Lane 4** *M. producens* treated with  $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$  for 90 min and 180 min respectively; **Lane 5:** Lambda DNA/Hind III marker. Top right – image of *M. producens* filament treated with  $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$  for 30 min. Bottom right – image of a dying *M. producens* filament. Photos taken by the author using a Leica DMIRB inverted microscope

## SI Figure S2. Blasted sequences

#1:1-879\_Kenyan\_Moorea\_producens\_Rep1

GGGAACCTGACCCAGCGACGCCSCGTGAGGGAAGACGGCCTYCGGGTTGTAAACCTCTT  
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#1:1-636\_Kenyan\_Moorea\_producens\_Rep\_2

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GCRGCCGCGGTAATACGTAGGGGACGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGCGC  
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#1:1-634\_Kenyan\_Moorea\_producens\_Rep\_3

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TAGATATCAGGAAGAACACCGGTGGCGAAAGCGCTCTGCTAGGCCGCAACTGACACTGAG  
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#JX912466.1:1-889\_*Halospirulina\_sp.*\_EF17(2012)\_16S\_rRNA\_gene,\_partial\_sequence

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AACTGAGTAGCTGGAGTGCGGTAGGGGCAGAGGGAATCCCGGTGTAGCGGTAAAATGCG

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#HE578055.1:1-1094\_Uncultured\_Oscillatoriales\_cyanobacterium\_partial\_16S\_rRNA\_gene,\_clone\_TPB\_GMAT\_CYANO\_26

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#HE979756.1:1-598\_Uncultured\_Oscillatoriales\_cyanobacterium\_partial\_16S\_rRNA\_gene,\_DGGE\_band\_CYA28

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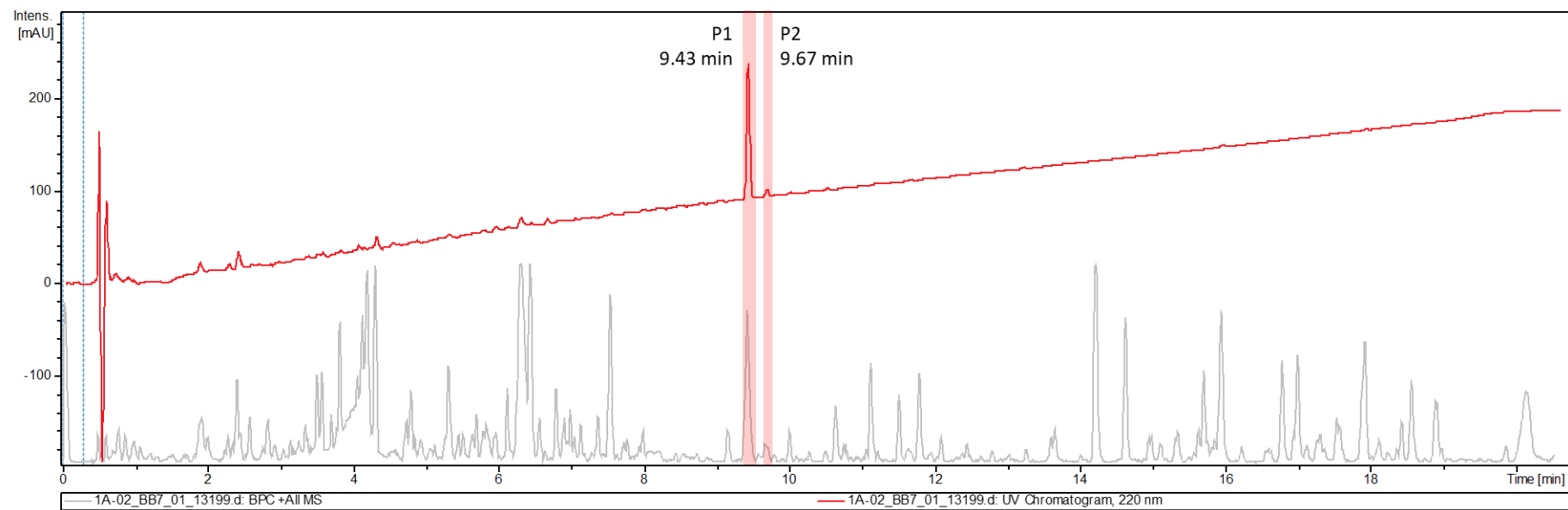
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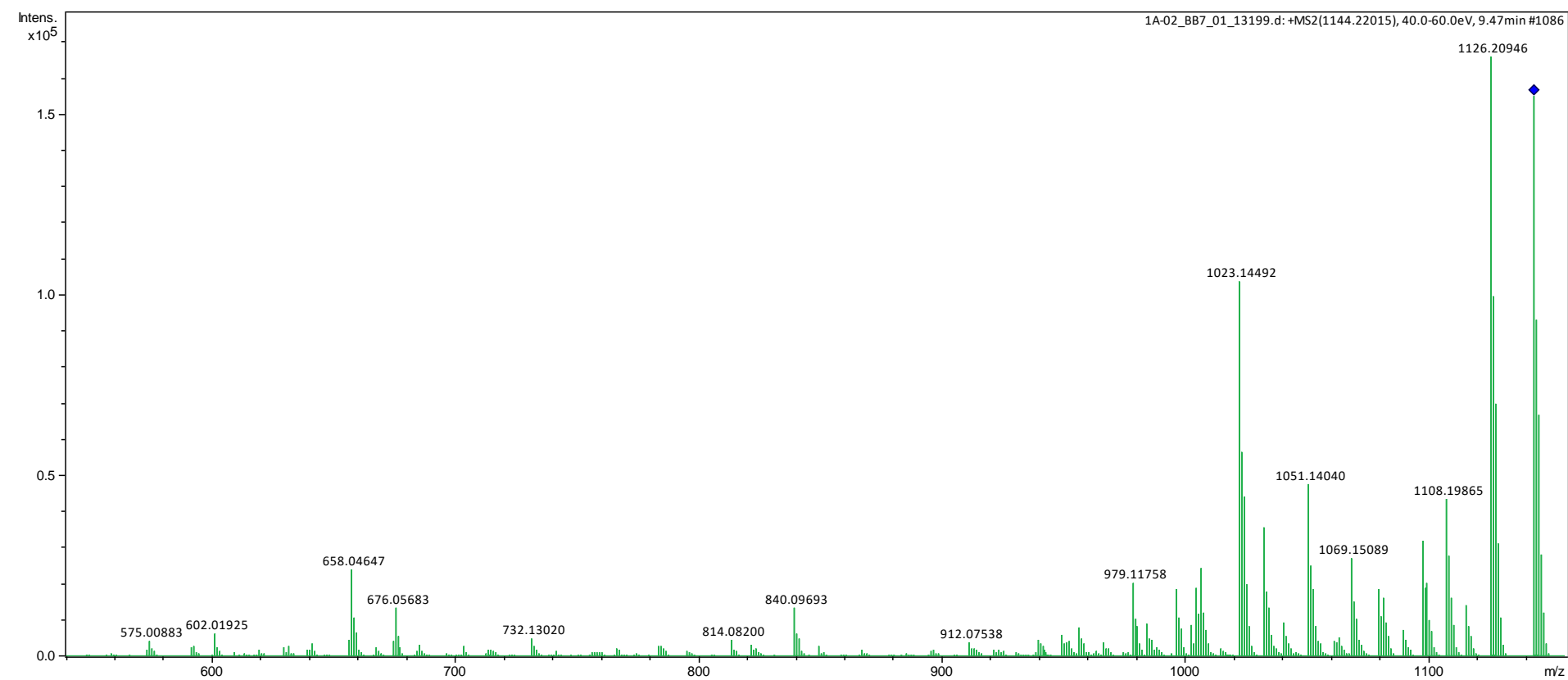
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SI Figure S3      Micrococcin P1 and P2 chromatogram (MS and UV at 220 nm)

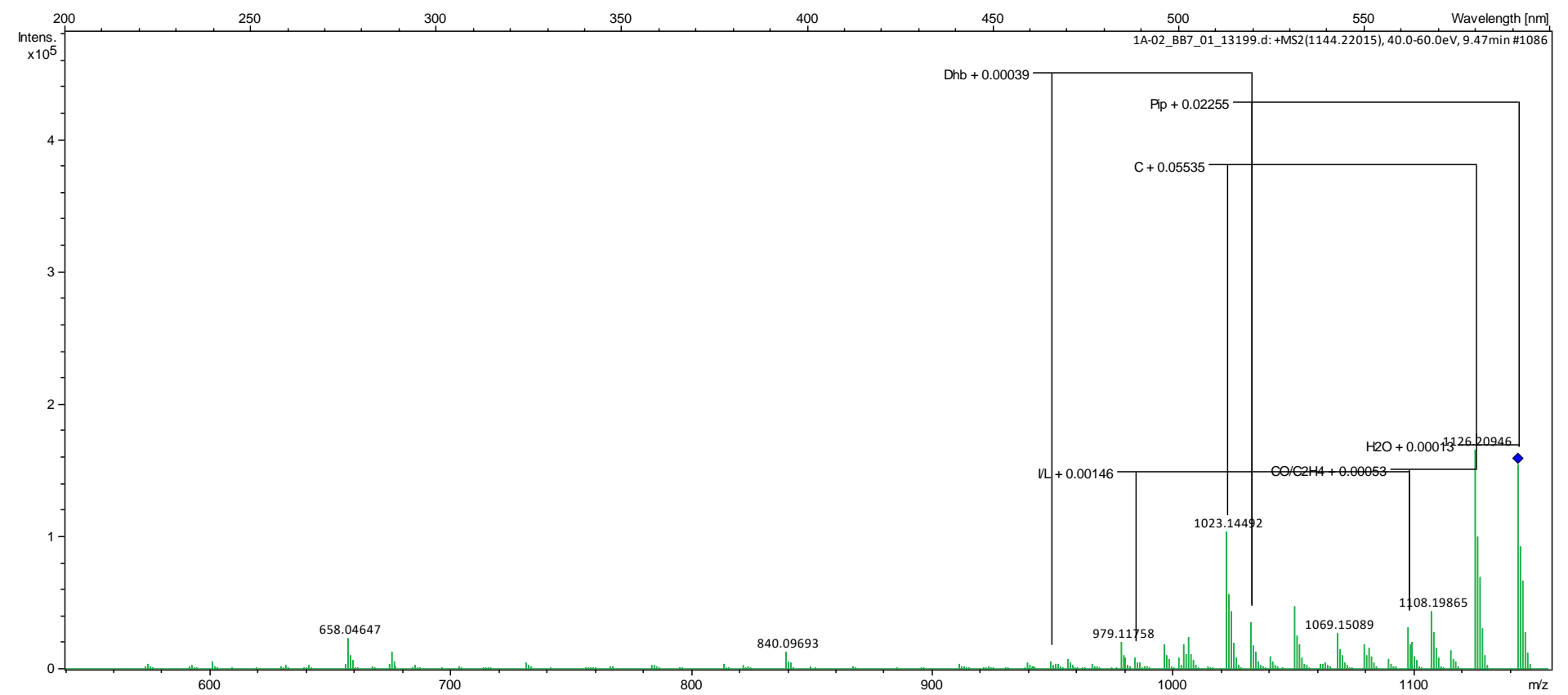


SI Figure S4      Micrococcin P1 MS/MS spectrum

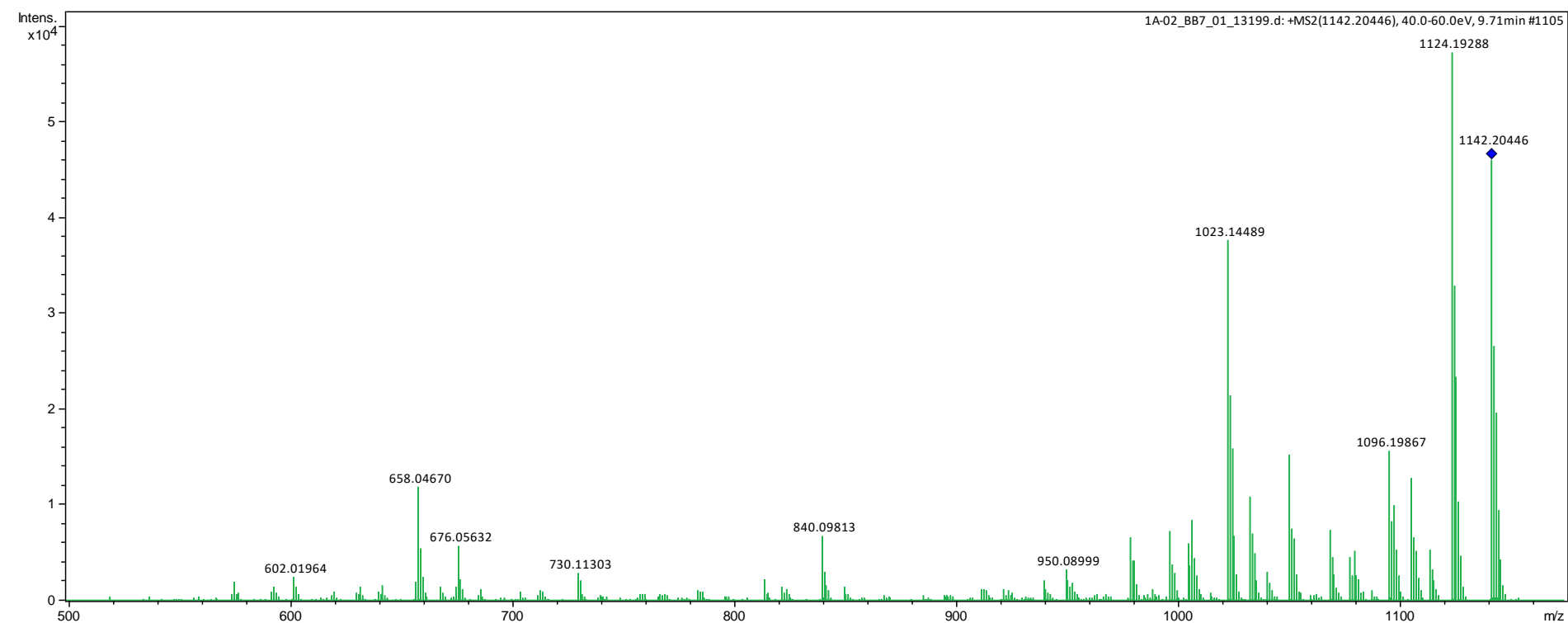




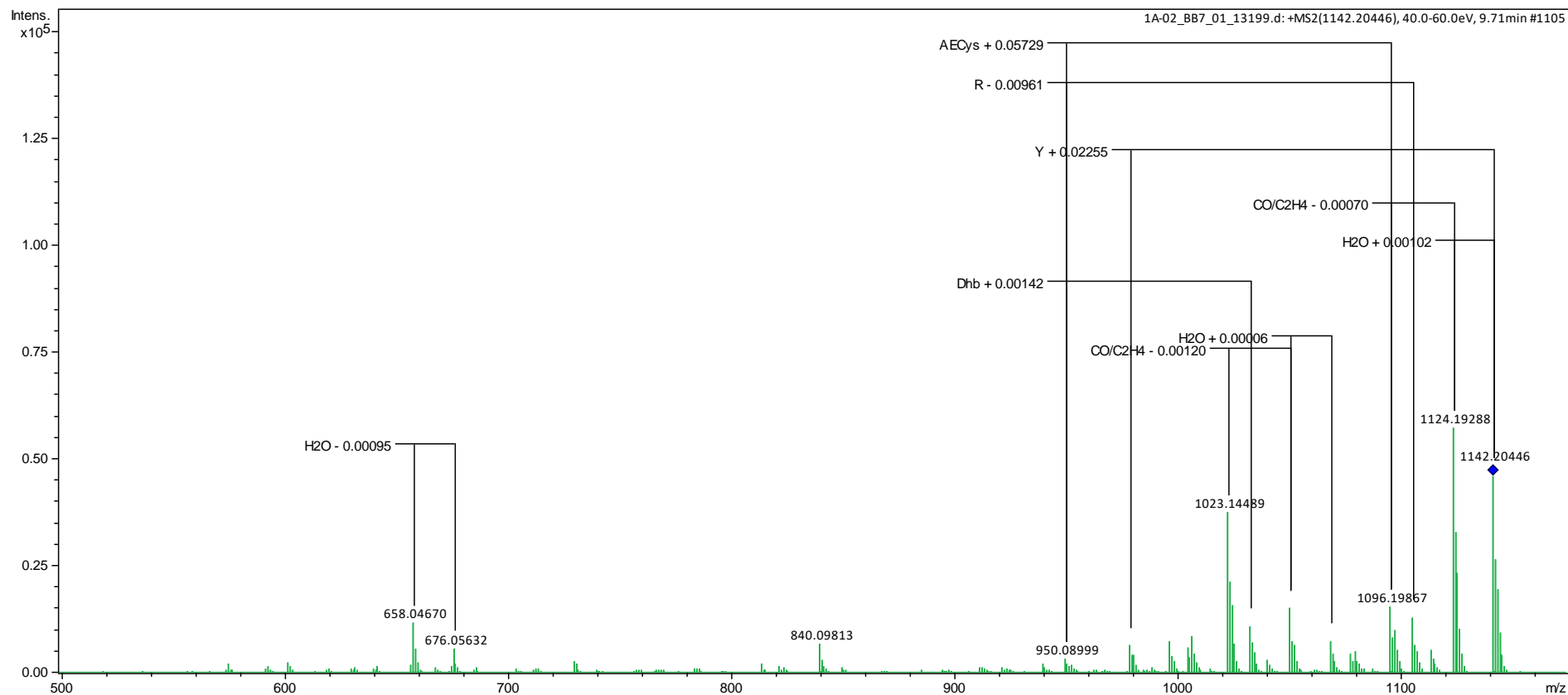
SI Figure S5      Micrococcin P1 annotated MS/MS spectrum



SI Figure S6      Micrococcin P2 MS/MS spectrum



**SI Figure S7    Micrococcin P2 annotated MS/MS spectrum**



SI Figure S8 Activity of micrococcin P1 against *S. aureus* Newman

