

## **Supplementary material**

### **Enhanced glucose uptake in human liver cells and inhibition of carbohydrate hydrolyzing enzymes by Nordic berry extracts**

Giang Thanh Thi Ho<sup>a</sup>, Thi Kim Yen Nguyen<sup>a,b</sup>, Eili Tranheim Kase<sup>b</sup>, Margey Tadesse<sup>a</sup>, Hilde Barsett<sup>a</sup> and Helle Wangensteen<sup>a\*</sup>

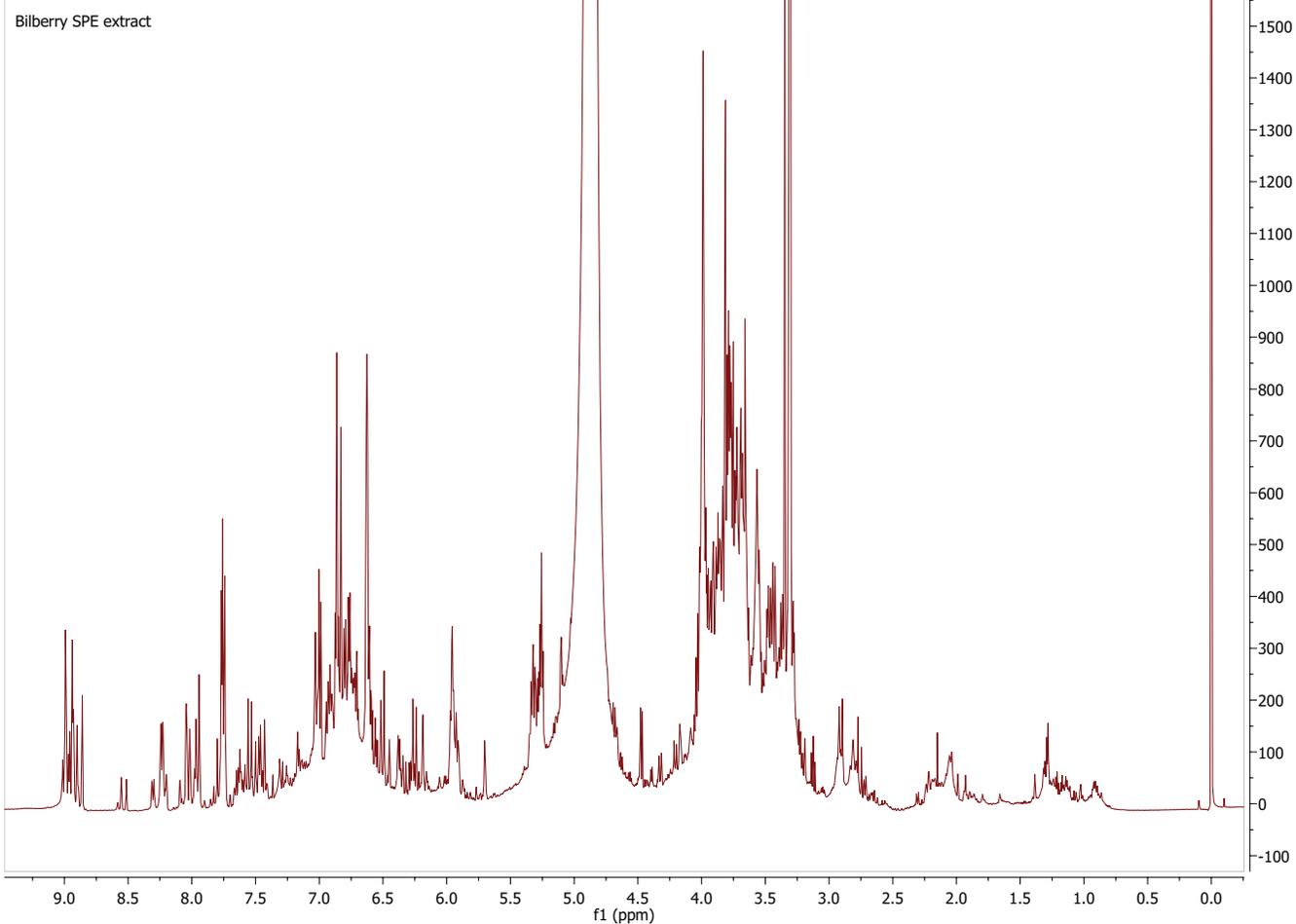
<sup>a</sup>Department of Pharmaceutical Chemistry, School of Pharmacy, University of Oslo, P. O. Box 1068 Blindern, 0316 Oslo, Norway

<sup>b</sup>Department of Pharmaceutical Biosciences, School of Pharmacy, University of Oslo, P. O. Box 1068 Blindern, 0316 Oslo, Norway

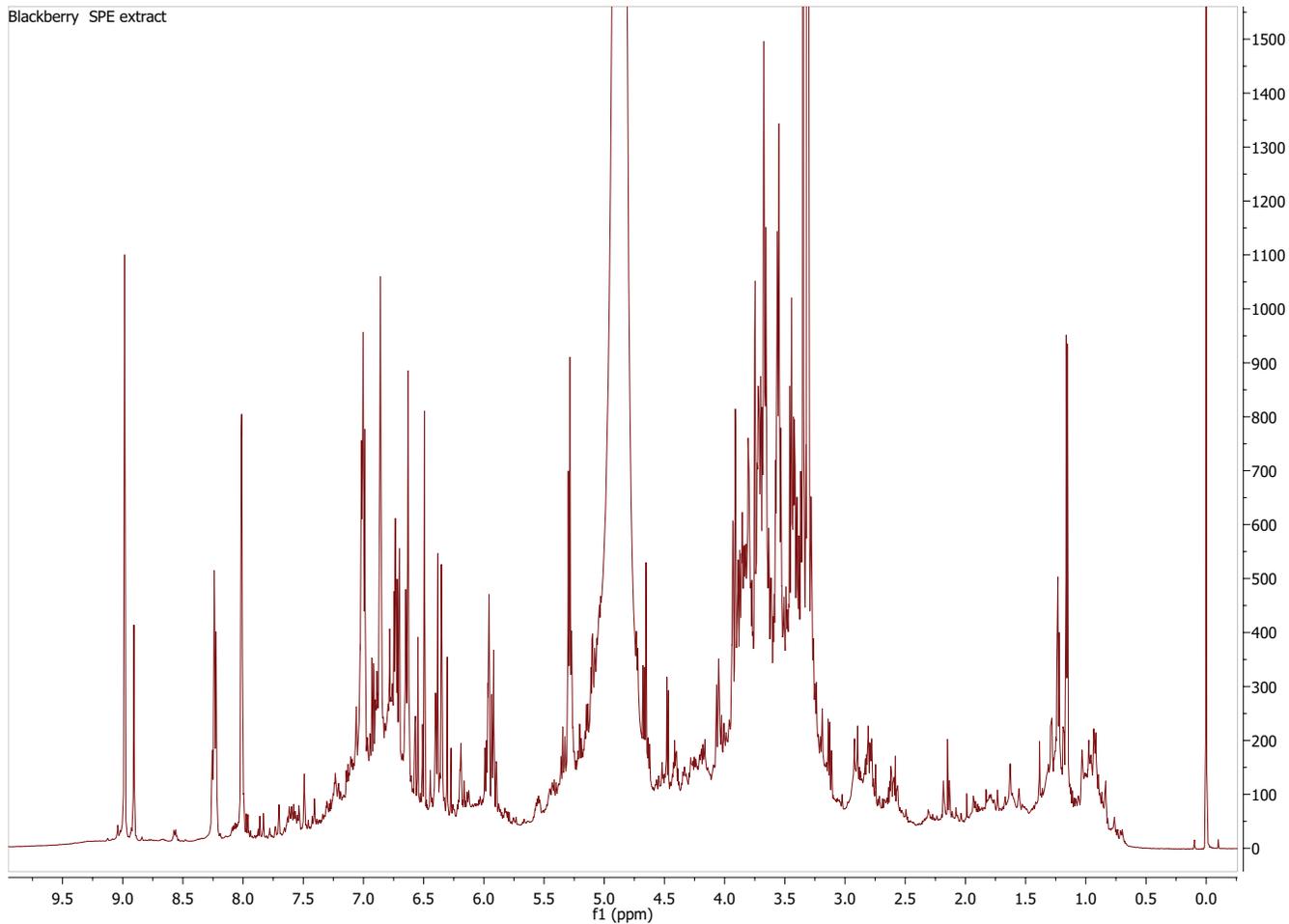
### **Supplementary material: <sup>1</sup>H NMR spectra of SPE berry extracts used in this study.**

- S1. Bilberry SPE Extract
- S2. Blackberry SPE Extract
- S3. Black Chokeberry SPE Extract
- S4. Black Currant SPE Extract
- S5. Blueberry SPE Extract
- S6. Bog Whortleberry SPE Extract
- S7. Cloudberry SPE Extract
- S8. Crowberry SPE Extract
- S9. Elderberry SPE Extract
- S10. Lingonberry SPE Extract
- S11. Raspberry SPE Extract
- S12. Red Currant SPE Extract
- S13. Rowanberry SPE Extract
- S14. Sea Buckthorn SPE Extract

S1.

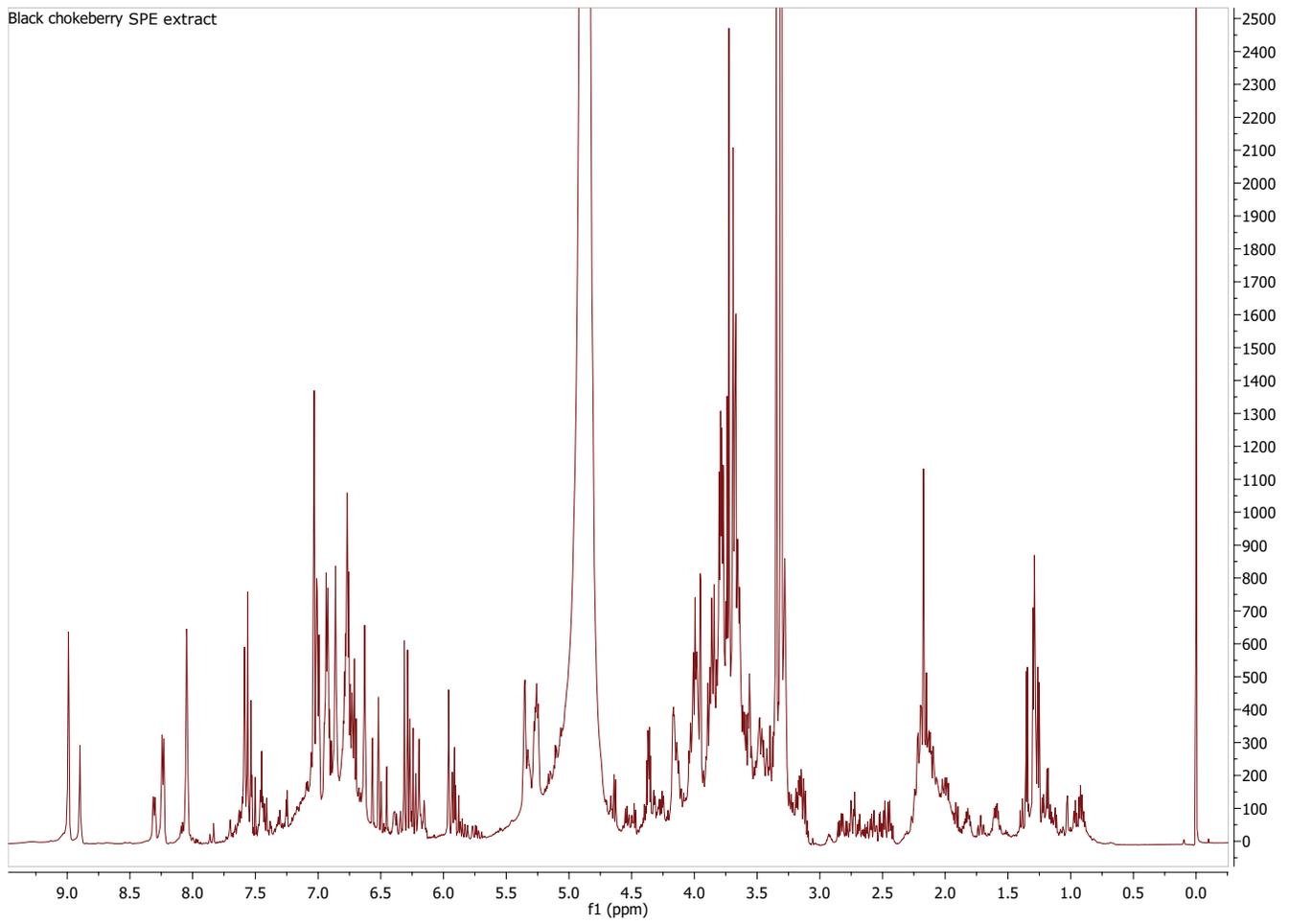


S2.



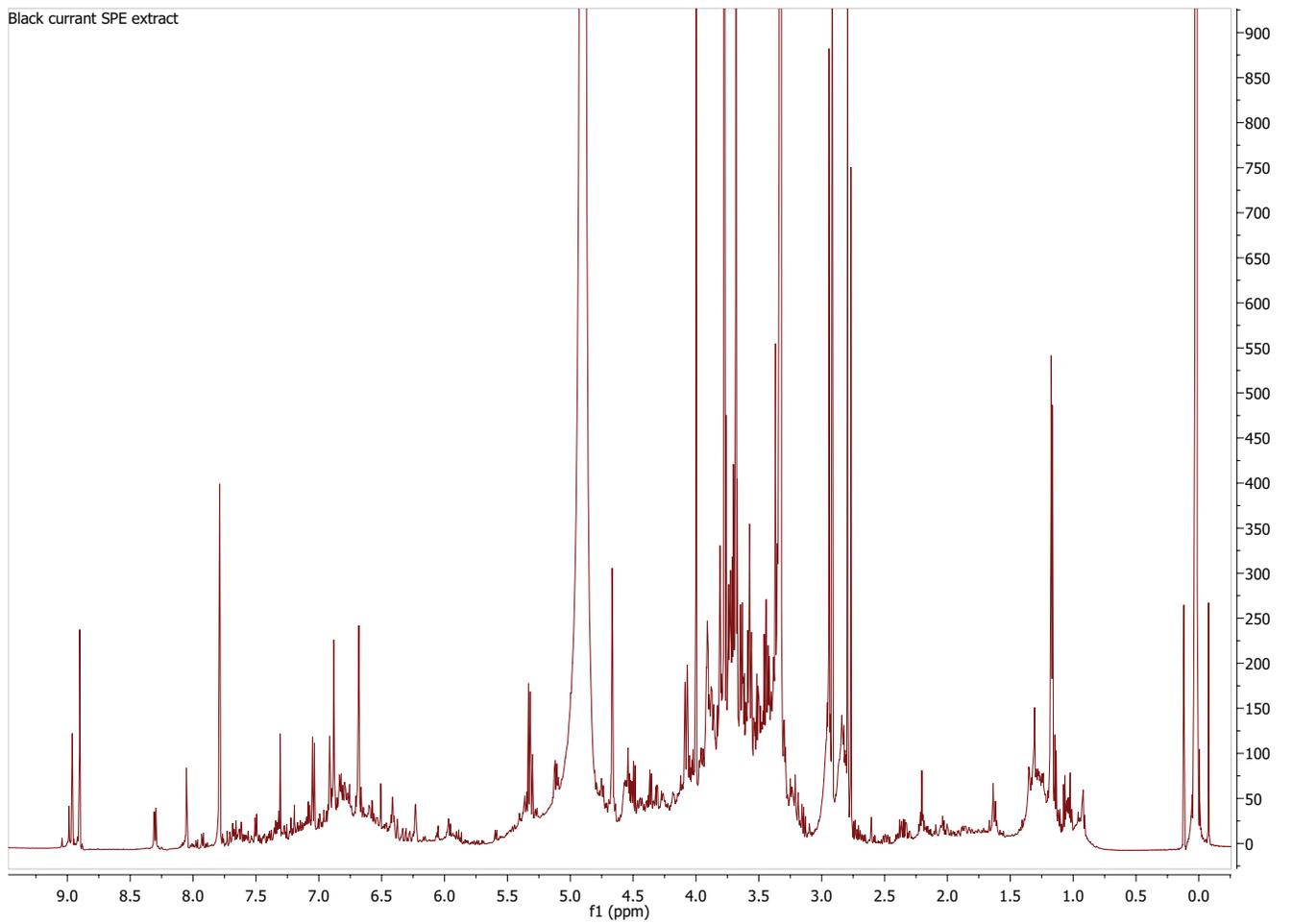
S3.

Black chokeberry SPE extract



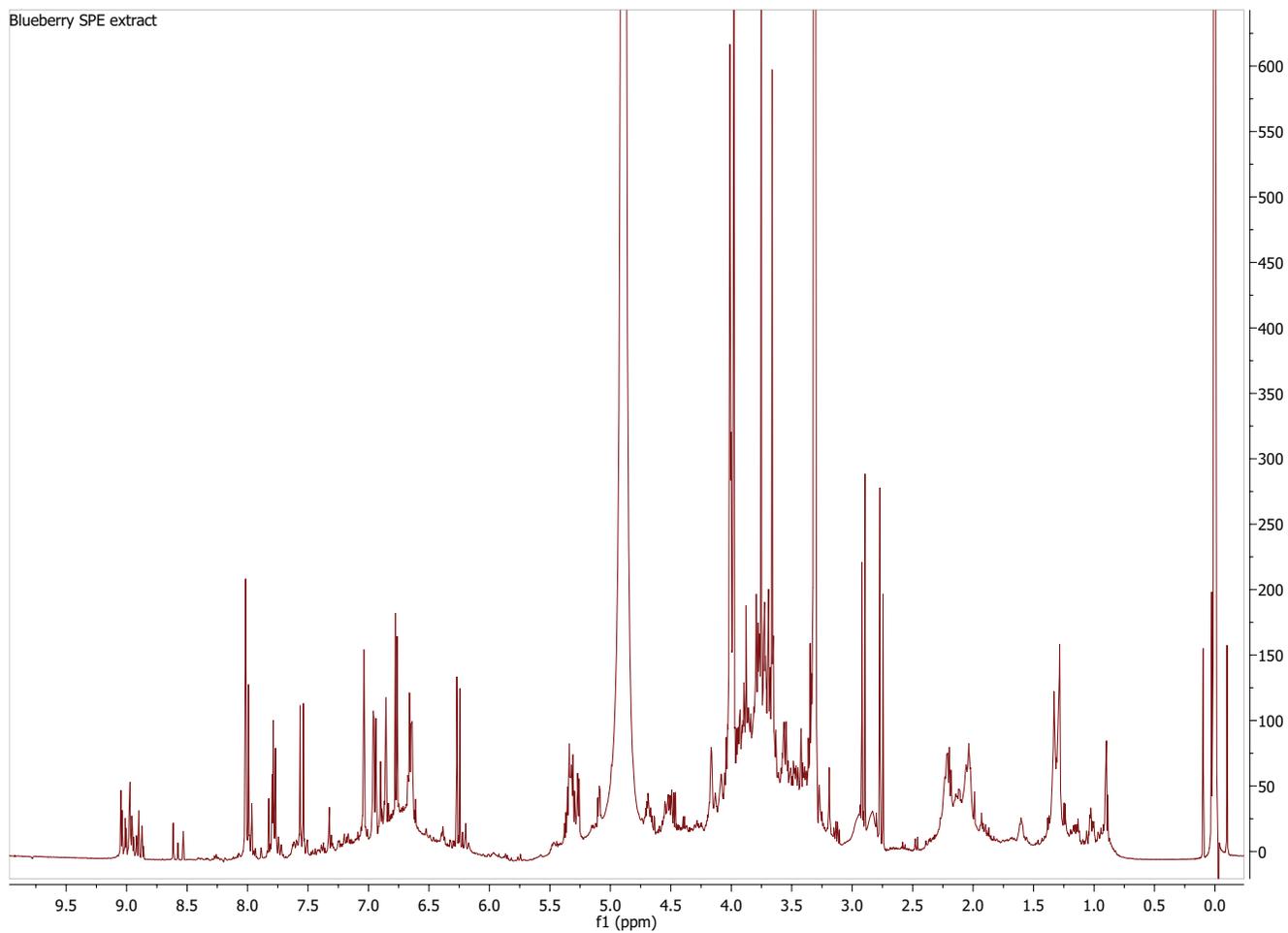
S4.

Black currant SPE extract



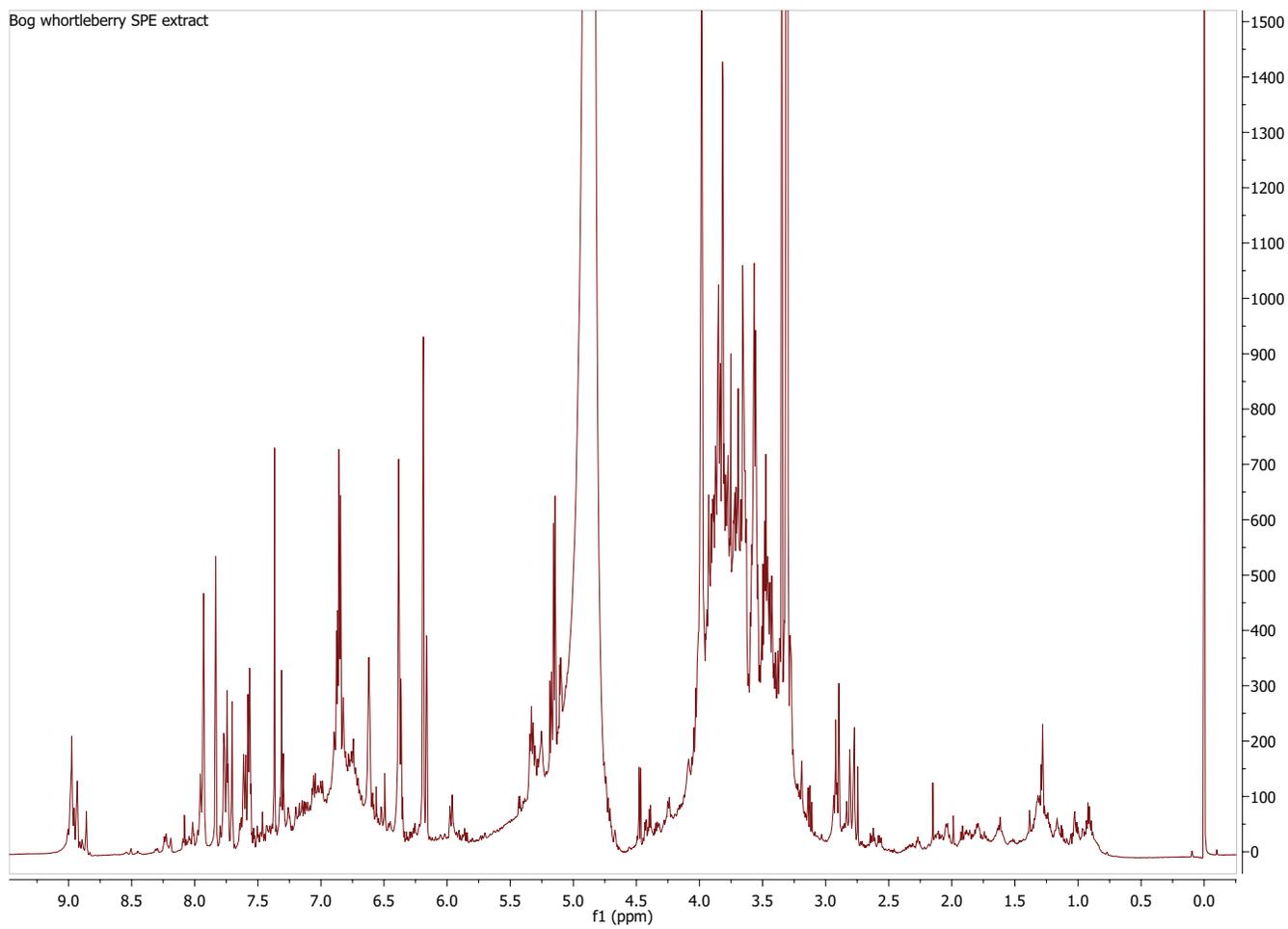
S5.

Blueberry SPE extract



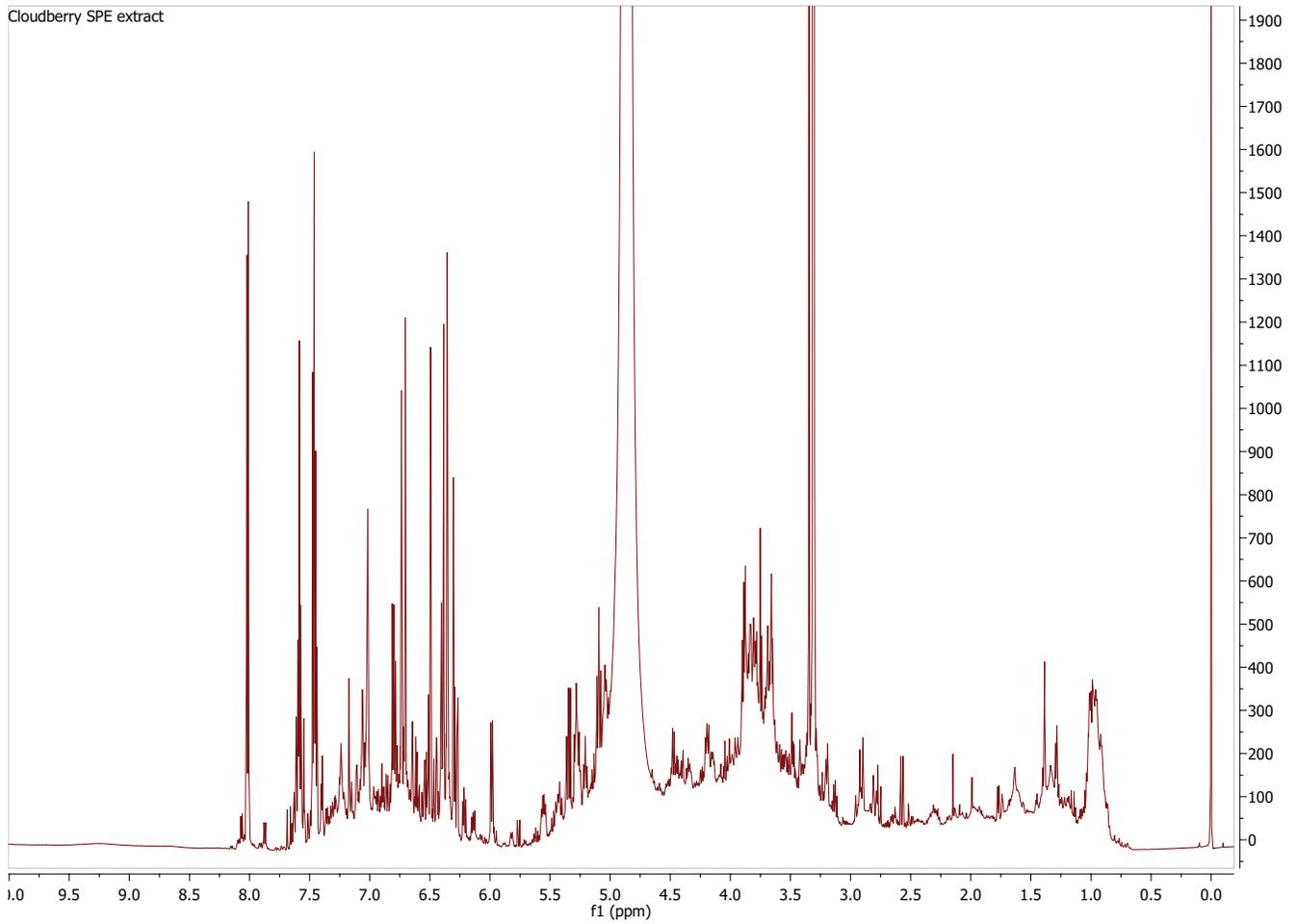
S6.

Bog whortleberry SPE extract



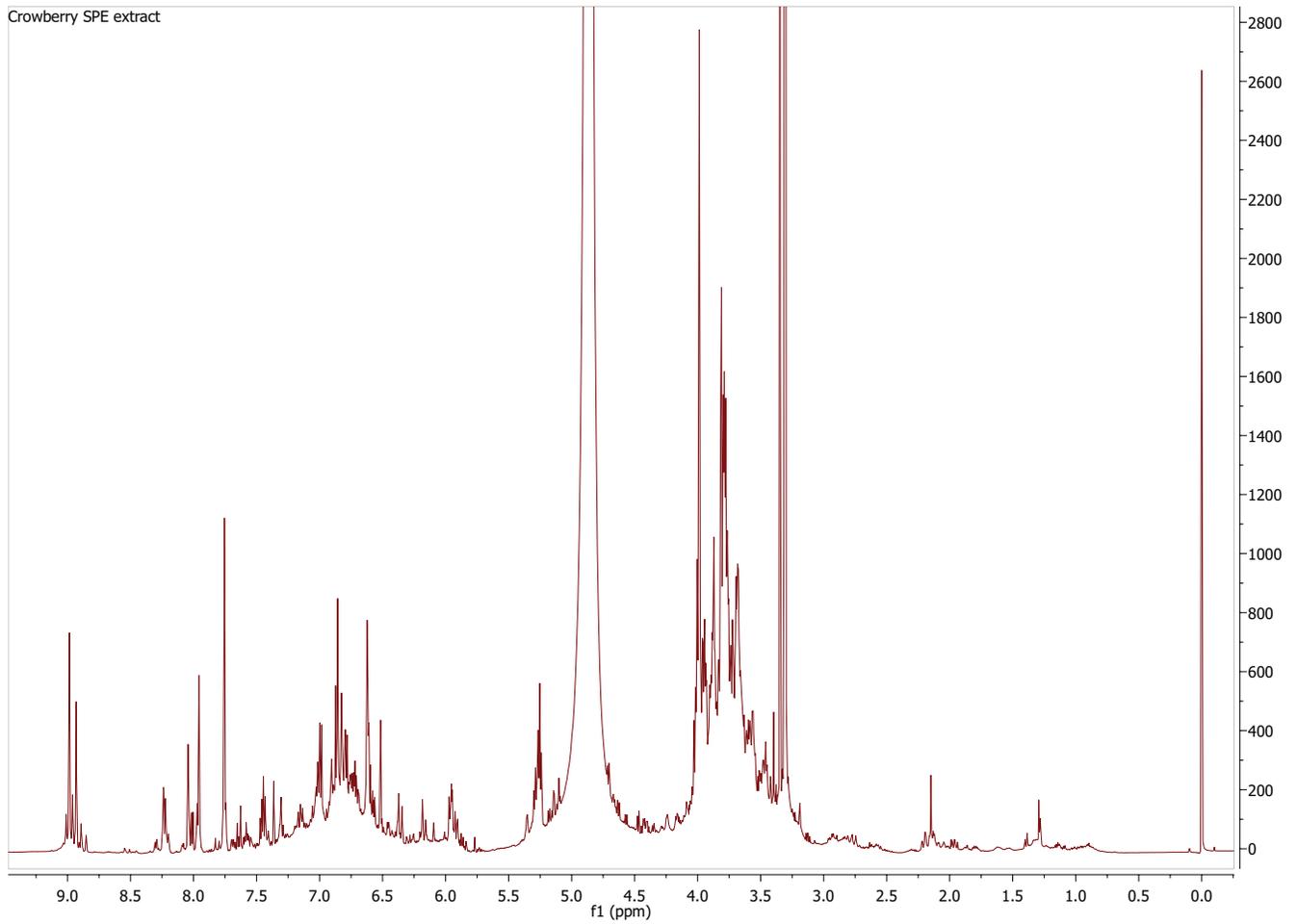
S7.

Cloudberry SPE extract



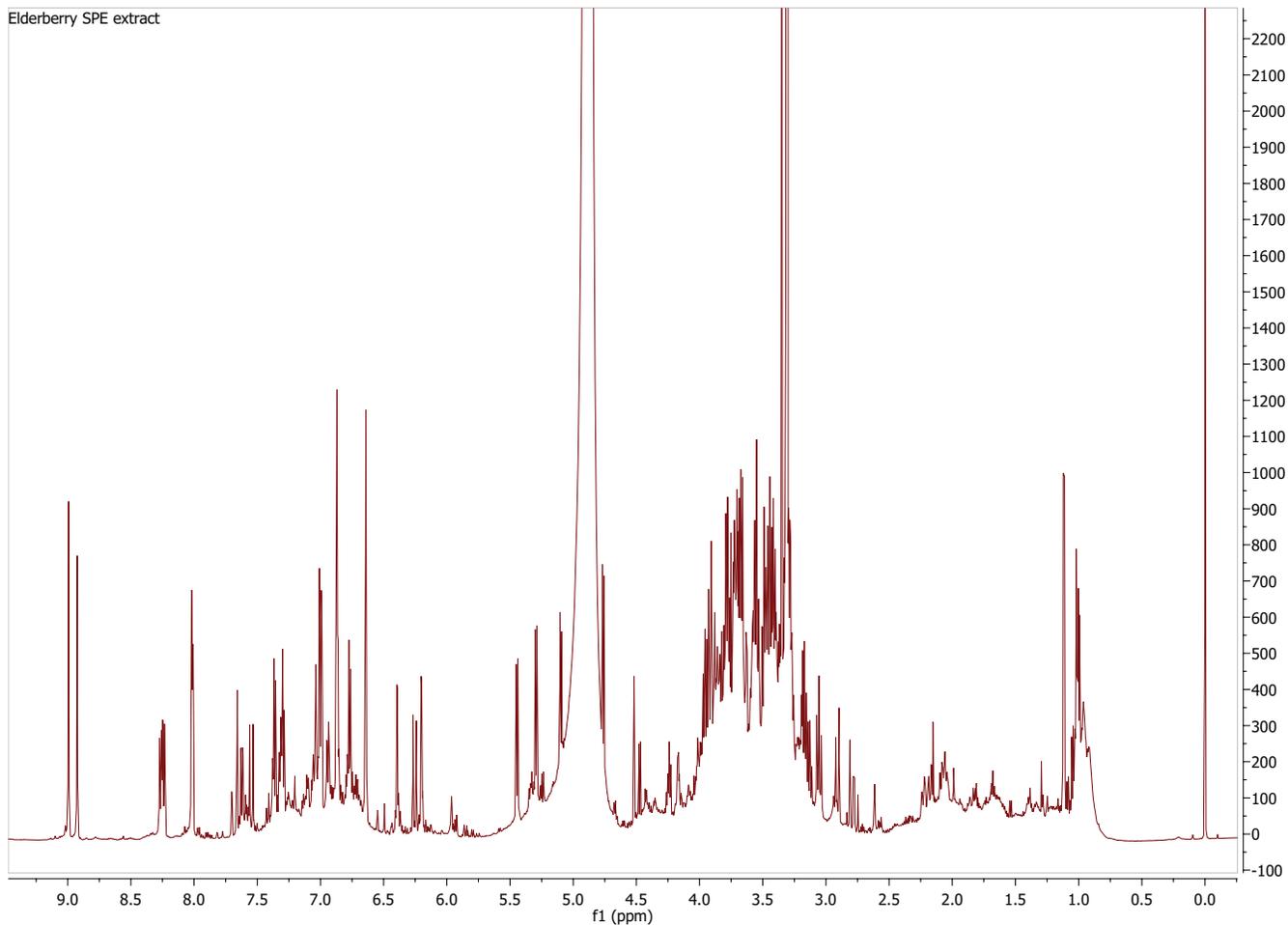
S8.

Crowberry SPE extract



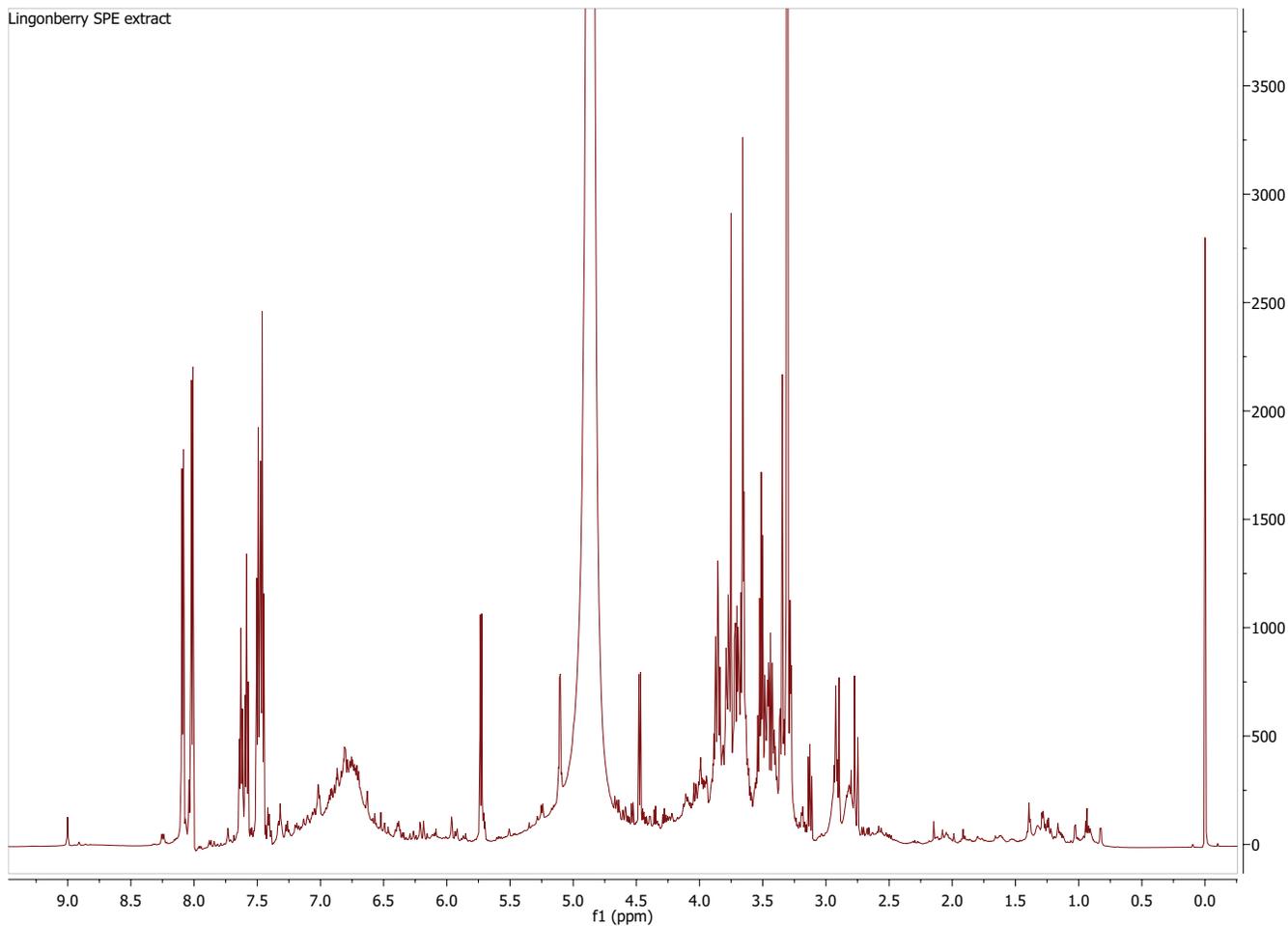
S9.

Elderberry SPE extract



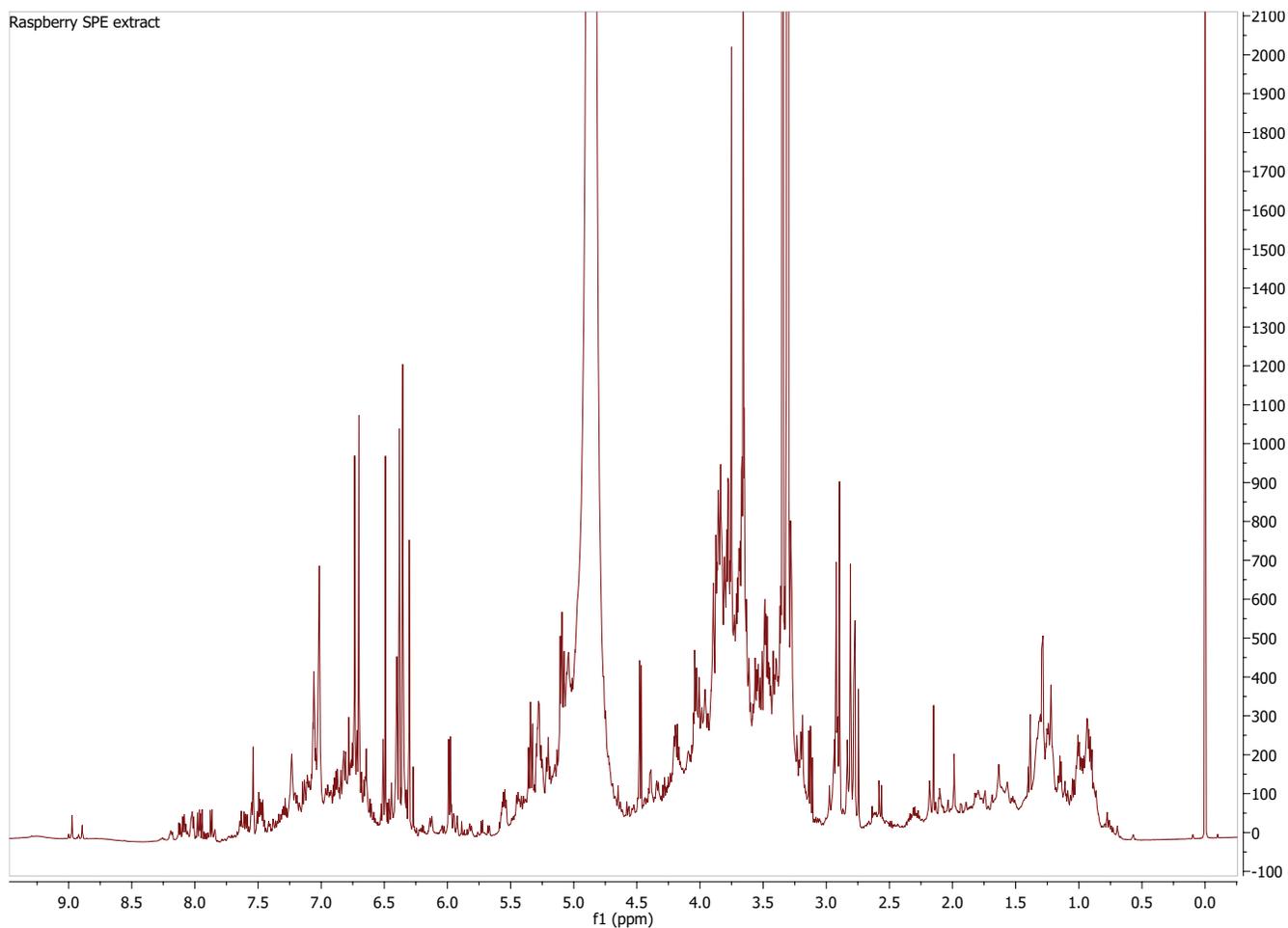
S10.

Lingonberry SPE extract



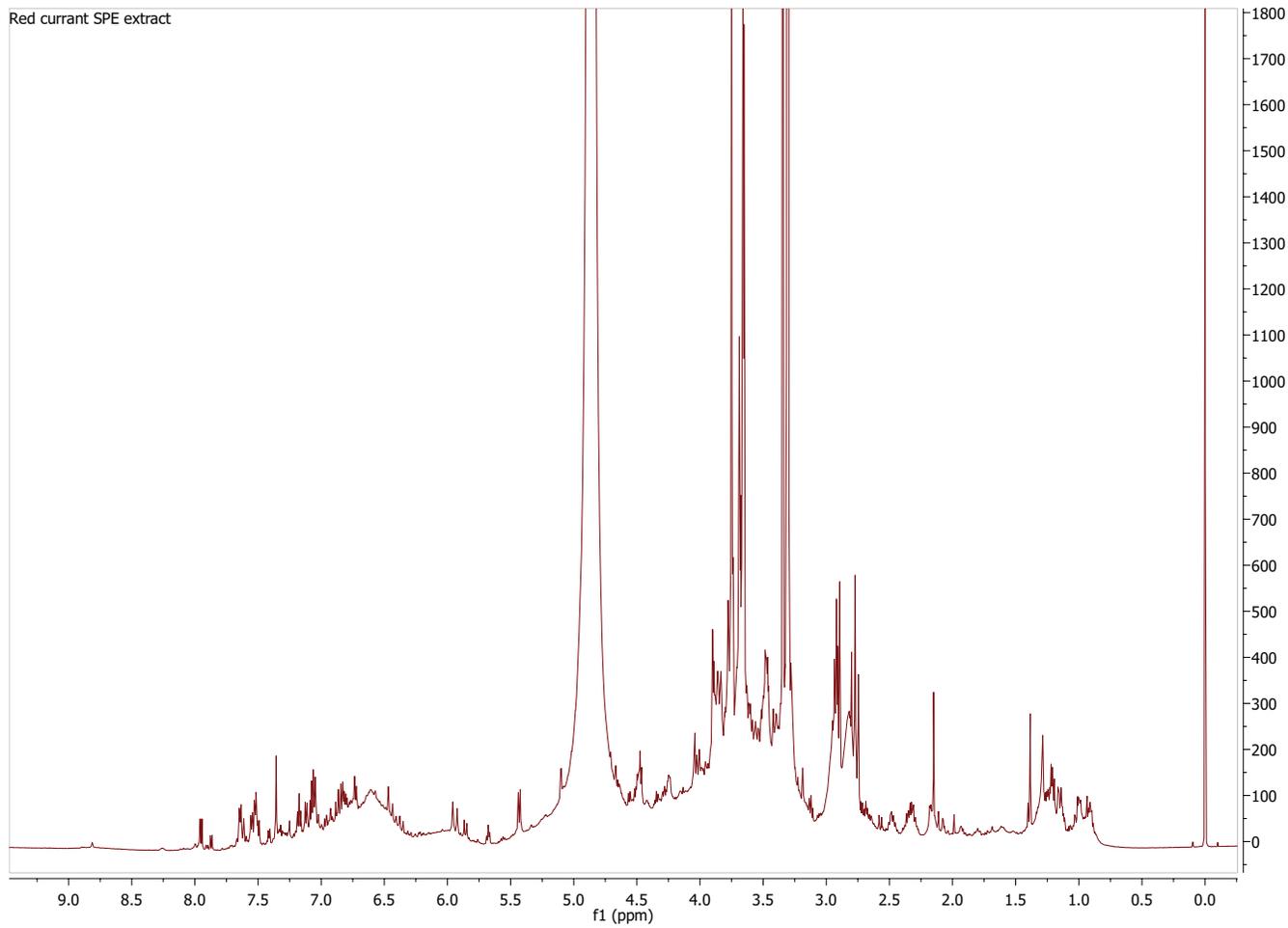
S11.

Raspberry SPE extract



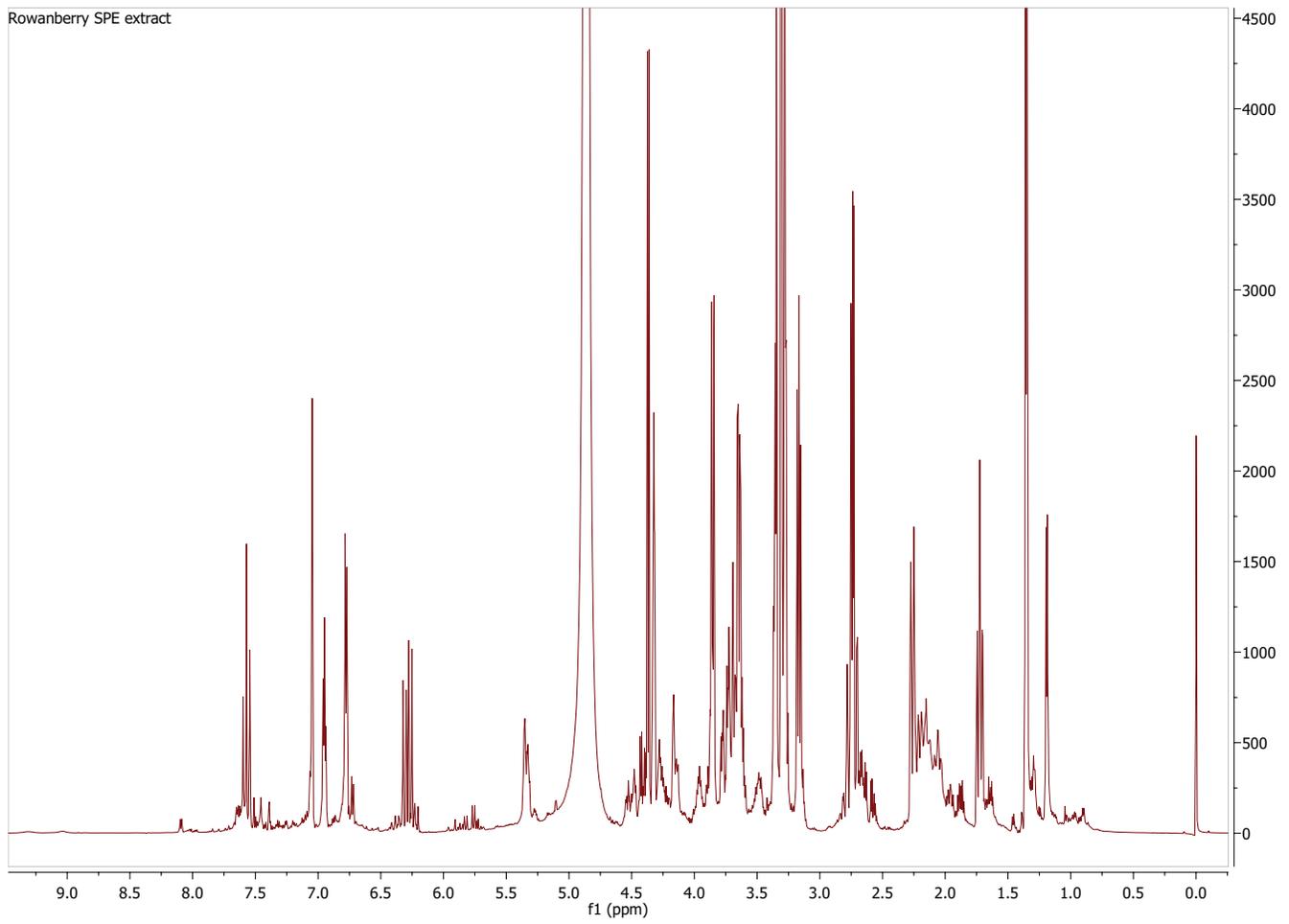
S12.

Red currant SPE extract



S13.

Rowanberry SPE extract



S14.

Sea buckthorn SPE extract

