SUPPLEMENTARY MATERIALS S1

Rheum rhaponticum and *Rheum rhabarbarum extracts* As Modulators of Endothelial Cell Inflammatory Response

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Contents:

Figure S1. UHPLC profile of the butanol extract obtained from the petioles of *Rheum rhabarbarum* (upper panel - CAD detector signal, lower panel - MS chromatogram using negative ESI mode, the numbers correspond to the numbers of compounds tentatively identified in Table S1).

Figure S2. UHPLC profile of the butanol extract obtained from *Rheum rhabarbarum* roots/rhizomes (upper panel - CAD detector signal, lower panel - MS chromatogram using negative ESI mode, the numbers correspond to the numbers of compounds tentatively identified in Table S2).

Figure S3. UHPLC profile of the butanol extract obtained from the petioles of *Rheum rhaponticum* (upper panel - CAD detector signal, lower panel - MS chromatogram using negative ESI mode, the numbers correspond to the numbers of compounds tentatively identified in Table 1S).

Figure S4. UHPLC profile of the butanol extract obtained from *Rheum rhaponticum* roots/rhizomes (upper panel - CAD detector signal, lower panel - MS chromatogram using the negative ESI mode, the numbers correspond to the numbers of compounds tentatively identified in Table S2).

Table S1. Comparative analysis of metabolites identified in butanol extracts obtained from the petioles of *Rheum rhaponticum* and *Rheum rhabarbarum*.

Table S2. Comparative analysis of metabolites identified in butanol extracts obtained from the roots/rhizomes of *Rheum rhaponticum* and *Rheum rhabarbarum*.

Table S3. Qualitative similarities and unique metabolites observed between the extracts from petioles (A) and roots (B) of *R. rhabarbarum* and *R. rhaponticum*.

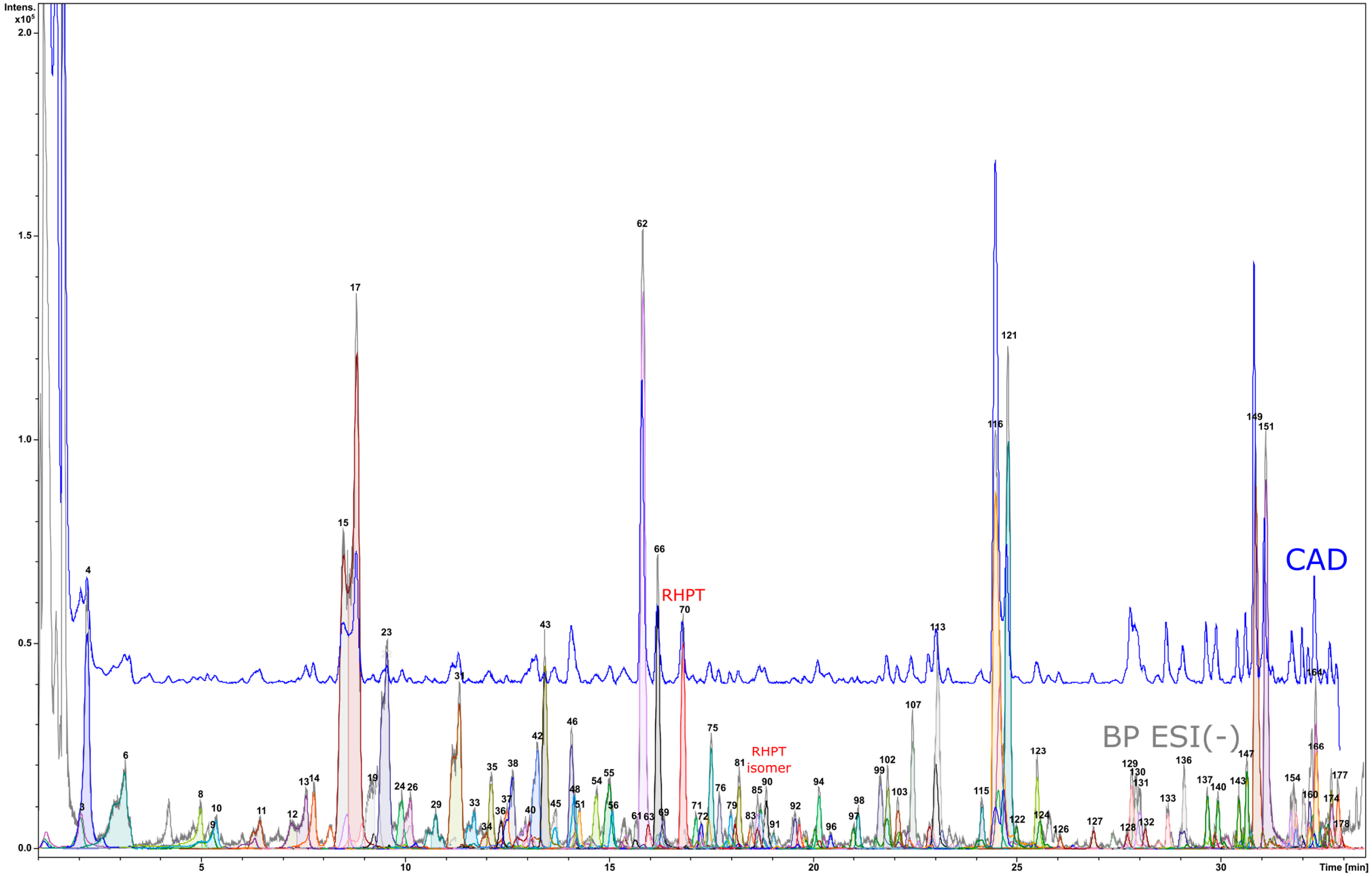


Figure S1. UHPLC profile of the butanol extracts obtained from the petioles of *Rheum rhabarbarum* (upper panel - CAD detector signal, lower panel - MS chromatogram using negative ESI mode, the numbers correspond to the numbers of compounds tentatively identified in Table S1).

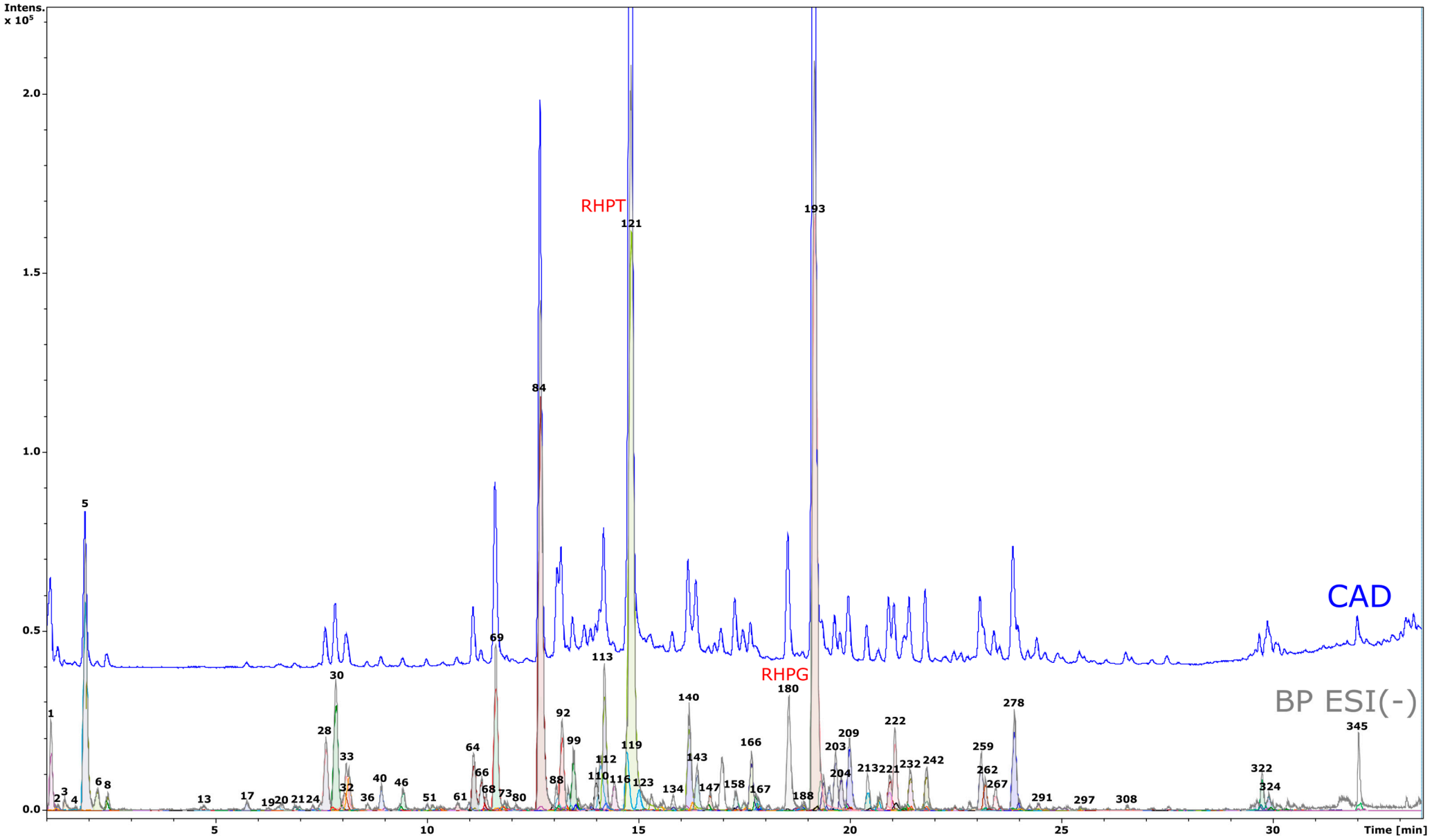


Figure S2. UHPLC profile of the butanol extracts obtained from *Rheum rhabarbarum* roots/rhizomes (upper panel - CAD detector signal, lower panel - MS chromatogram using negative ESI mode, the numbers correspond to the numbers of compounds tentatively identified in Table S2).

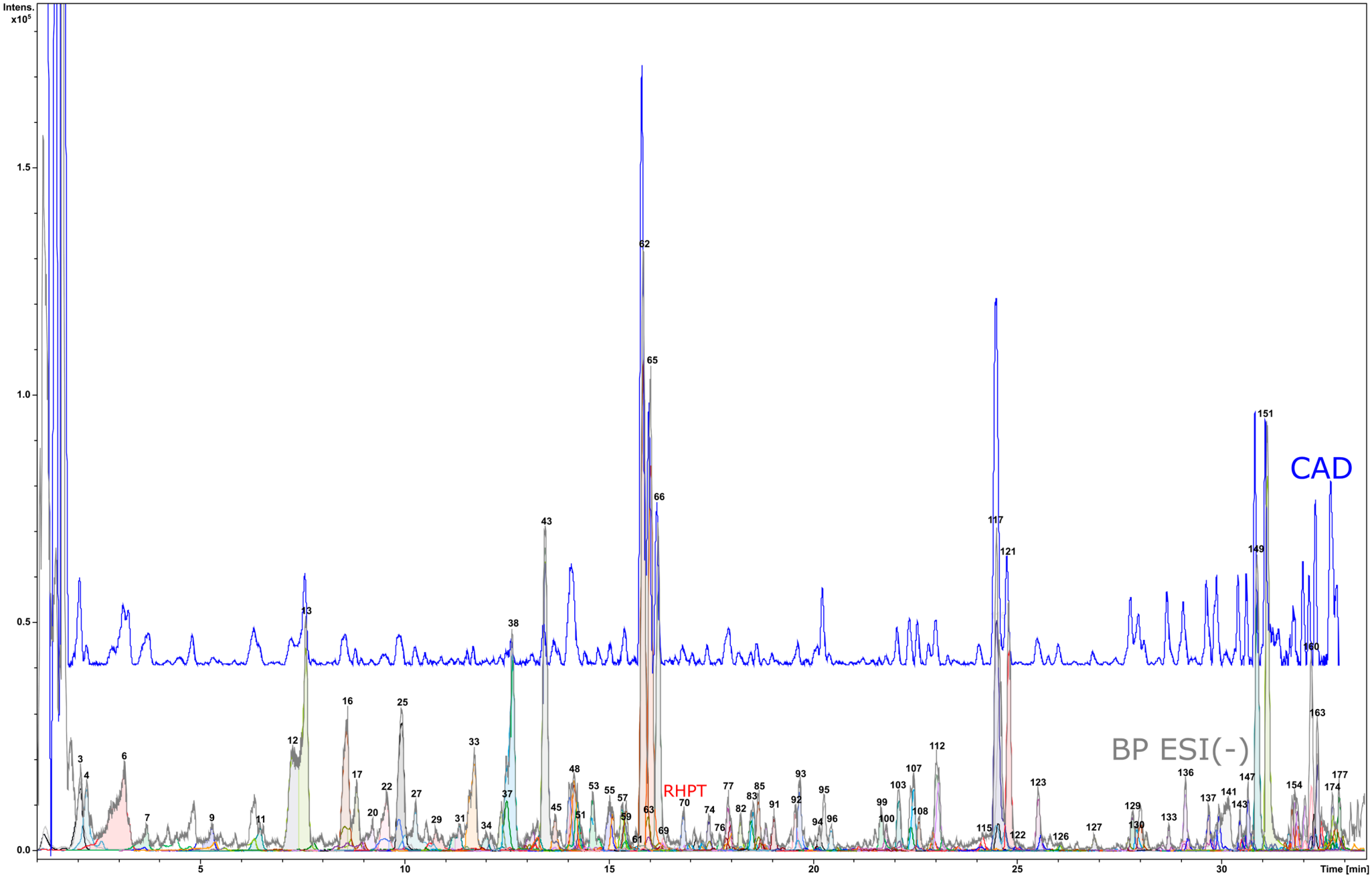


Figure S3. UHPLC profile of the butanol extracts obtained from the petioles of *Rheum rhaponticum* (upper panel - CAD detector signal, lower panel - MS chromatogram using negative ESI mode, the numbers correspond to the numbers of compounds tentatively identified in Table S1).

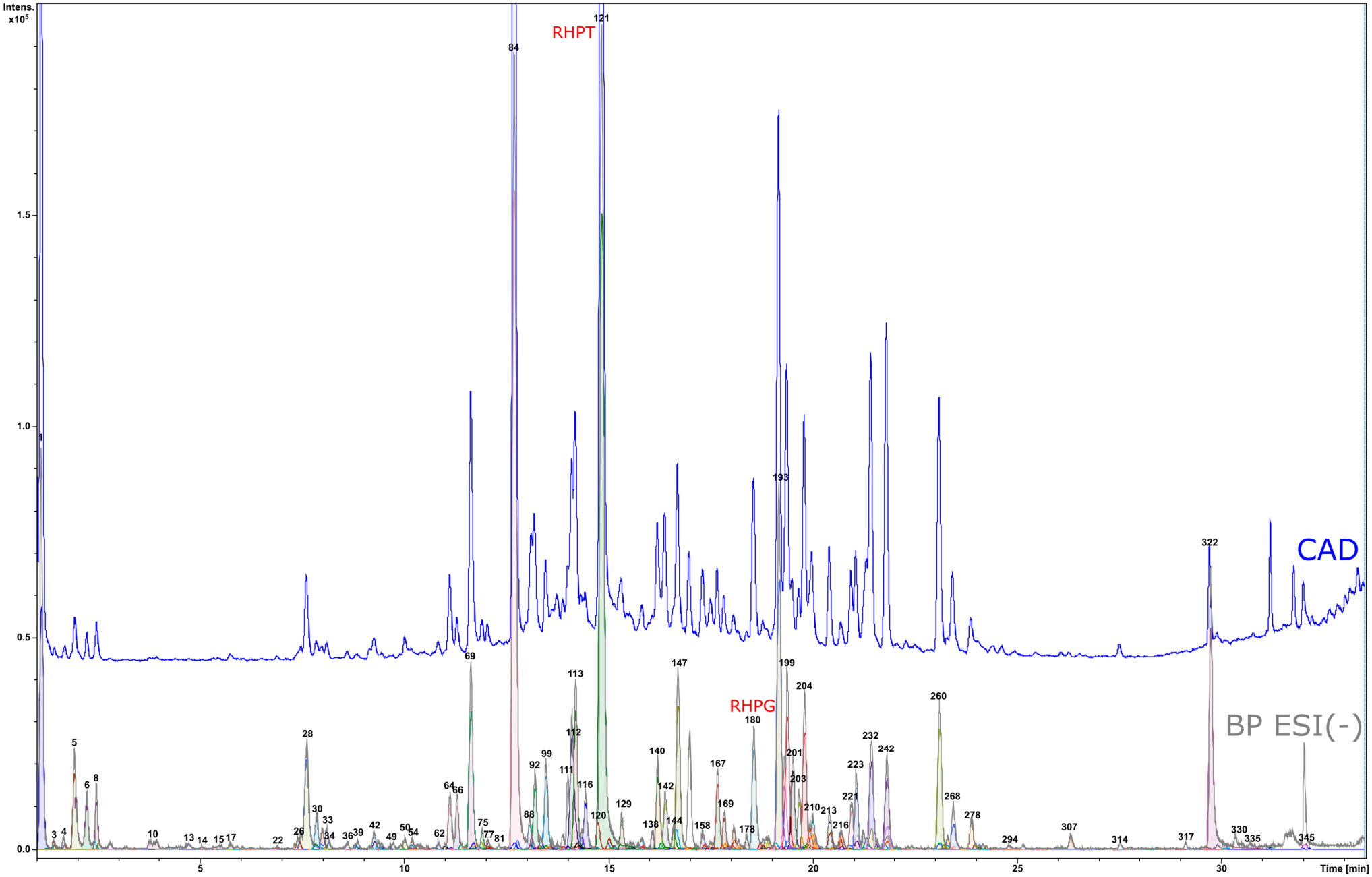


Figure S4. UHPLC profile of the butanol extracts obtained from *Rheum rhaponticum* roots/rhizomes (upper panel - CAD detector signal, lower panel - MS chromatogram using the negative ESI mode, the numbers correspond to the numbers of compounds tentatively identified in Table S2).