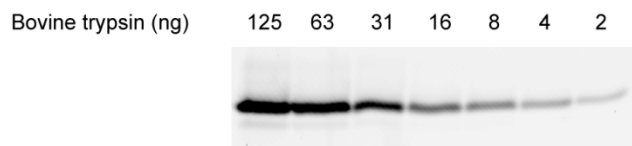


## Supporting information

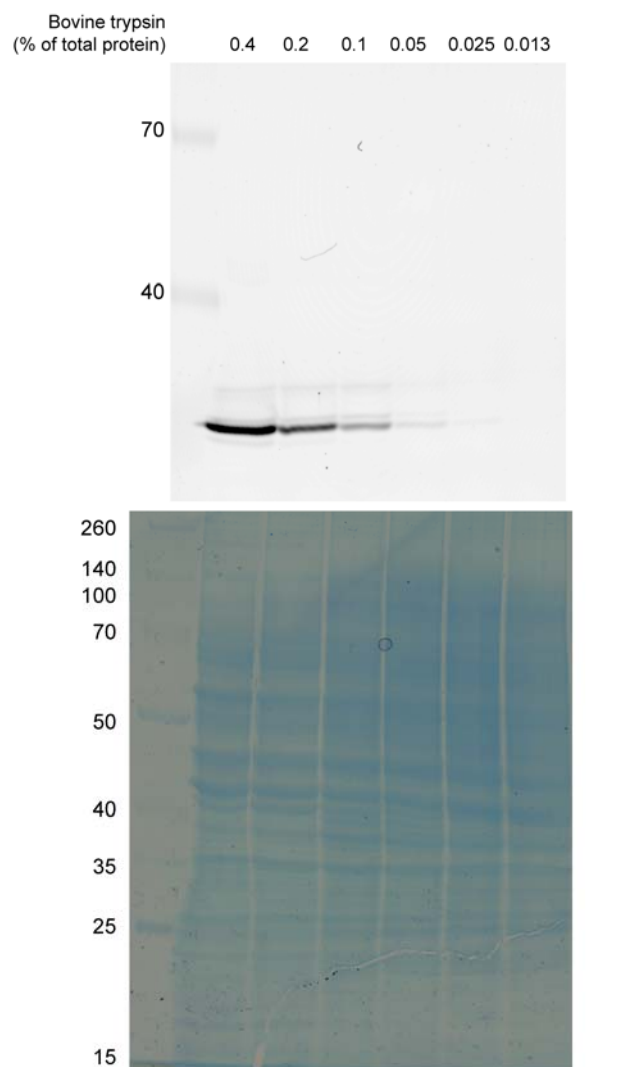
### Mixed Alkyl Aryl Phosphonate Esters as Quenched Fluorescent Activity-Based Probes for Serine Proteases

Sevnur Serim, Philipp Baer, Steven H. L. Verhelst\*

|                         |    |
|-------------------------|----|
| Figure S1               | 2  |
| Figure S2               | 2  |
| Copies of chromatograms | 3  |
| Copies of spectra       | 10 |



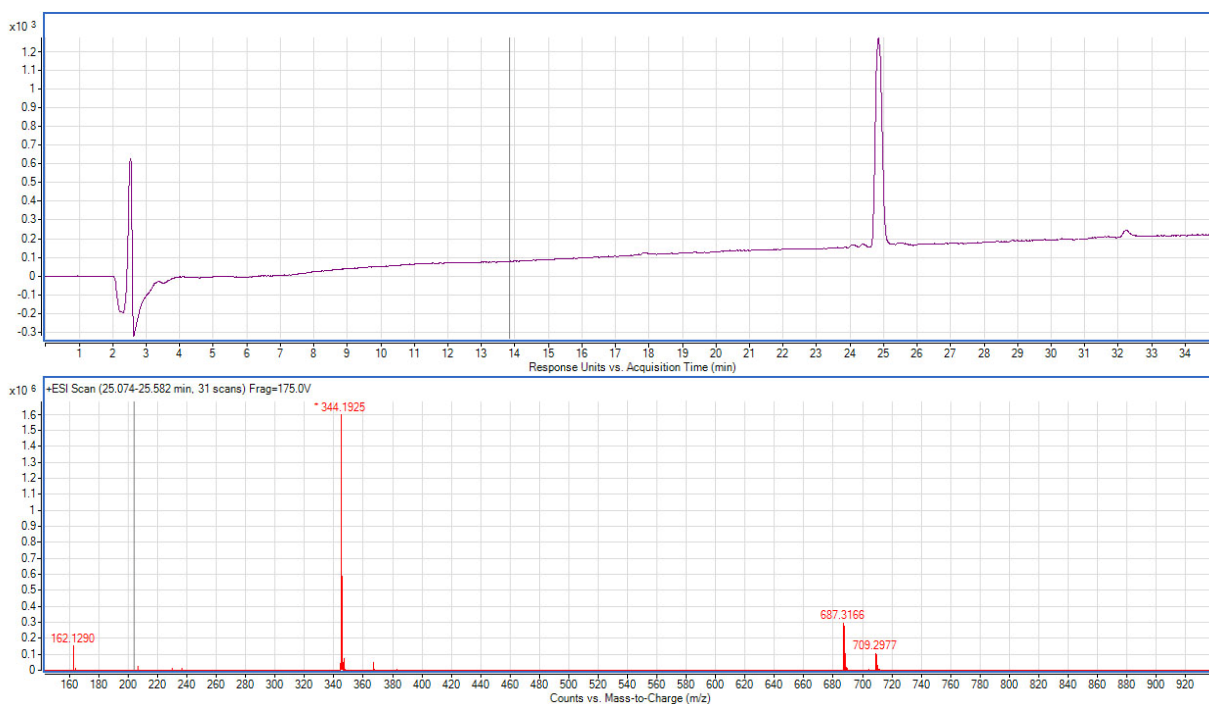
**Figure S1.** Labeling of decreasing amounts of bovine trypsin with probe **15** for 30 min in PBS. Subsequently, the samples were resolved on a 12% polyacrylamide gel. Bands were detected by scanning on a Typhoon Trio+ fluorescent scanner.



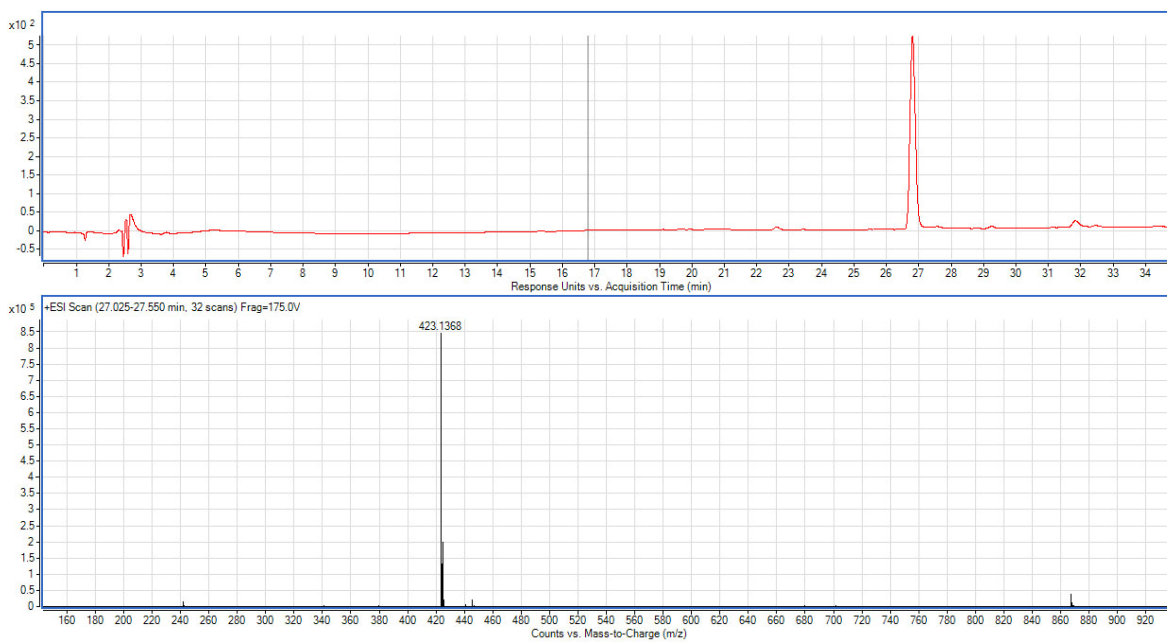
**Figure S2.** Labeling of bovine trypsin with probe **15** for 30 min within the context of a cell lysate (1 mg/mL) of the HT-29 cell line (prepared by lysis in PBS with 0.5% NP-40 on ice for 30 min, then centrifuged to remove cell debris). Fluorescent bands were detected by scanning on a Typhoon Trio+. A protease concentration down to 0.05% of total protein could be visualized.

## Copies of chromatograms and MS spectra

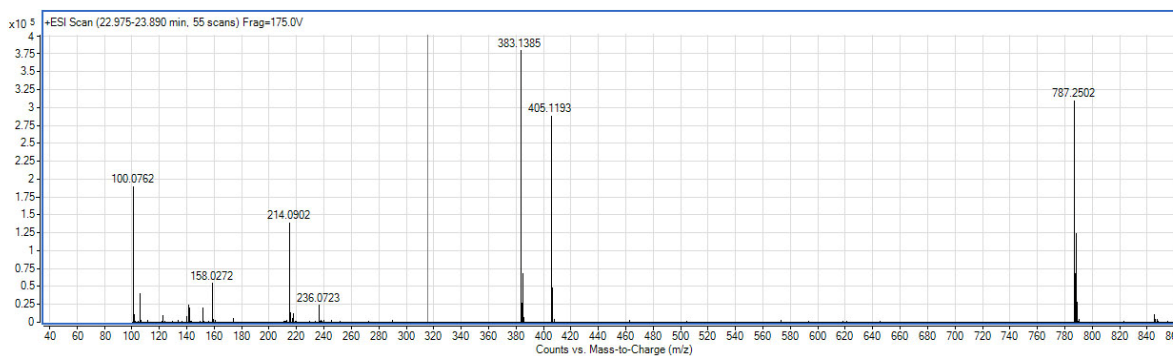
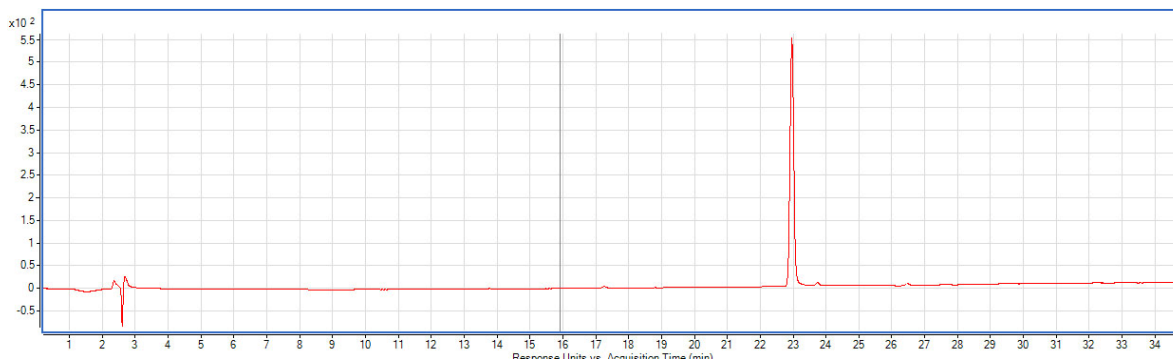
### Compound 1



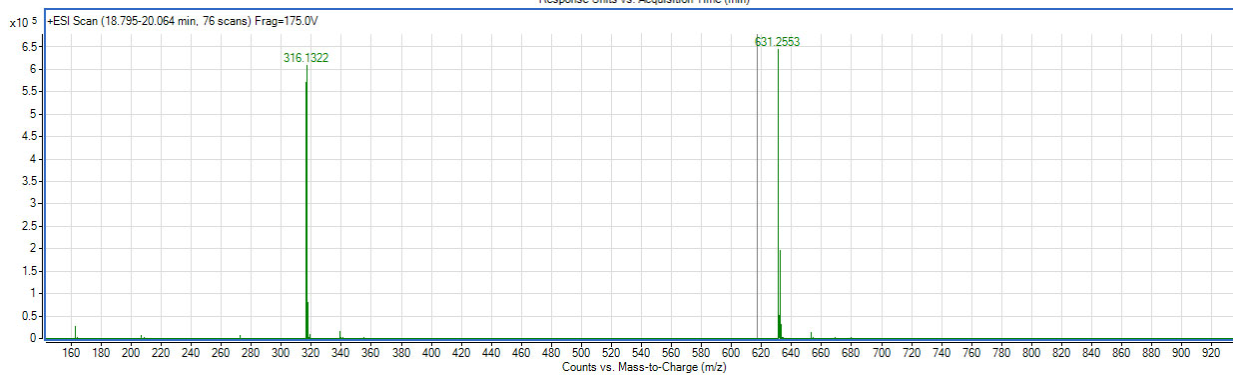
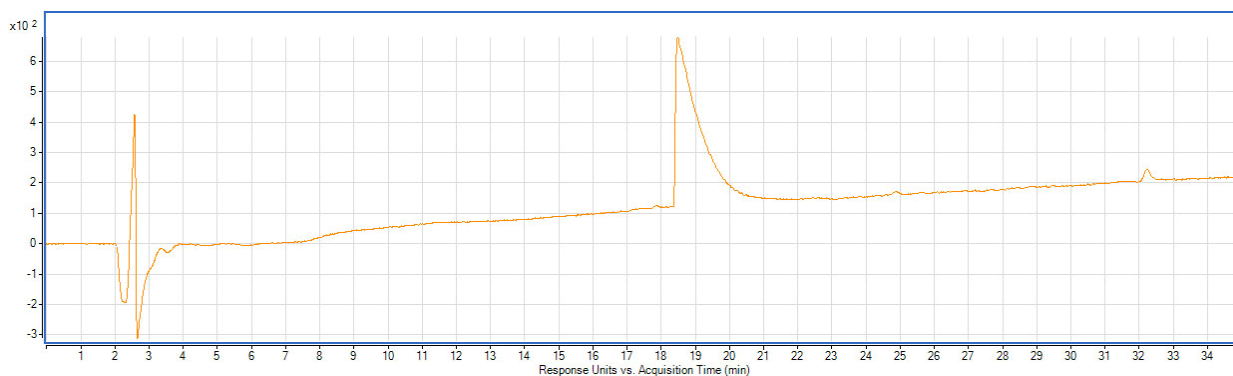
### Compound 2



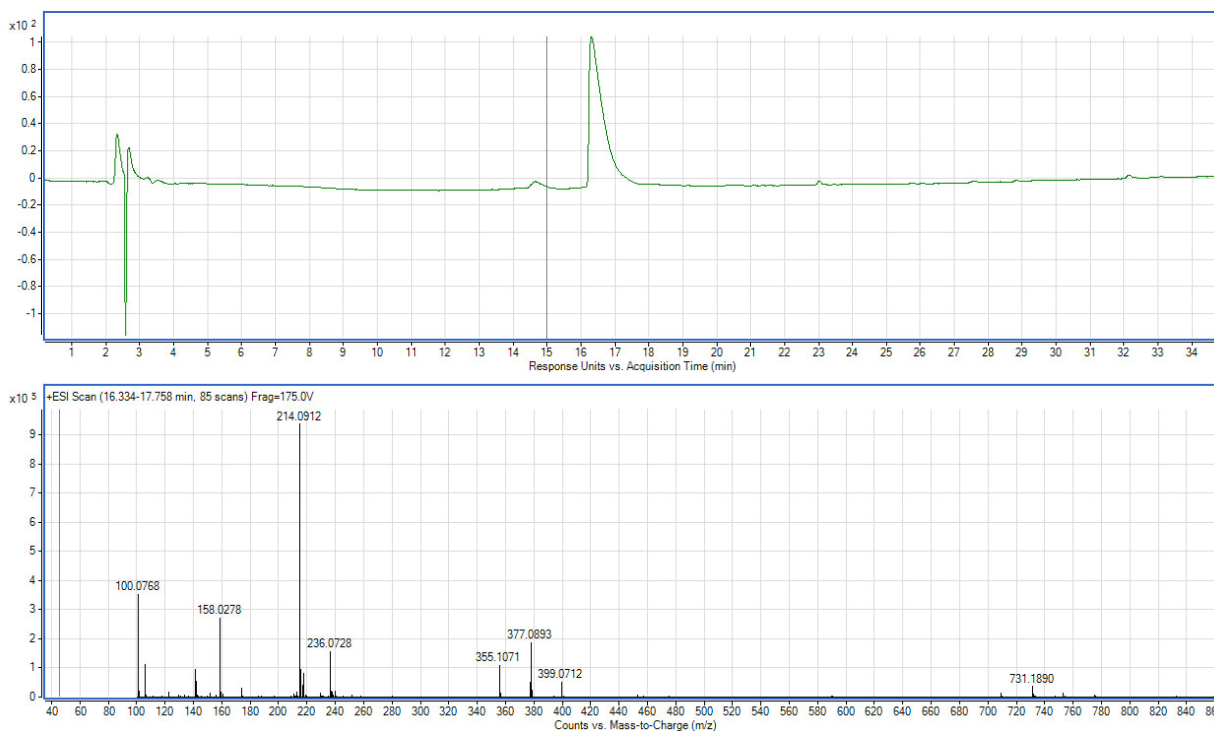
## Compound 4



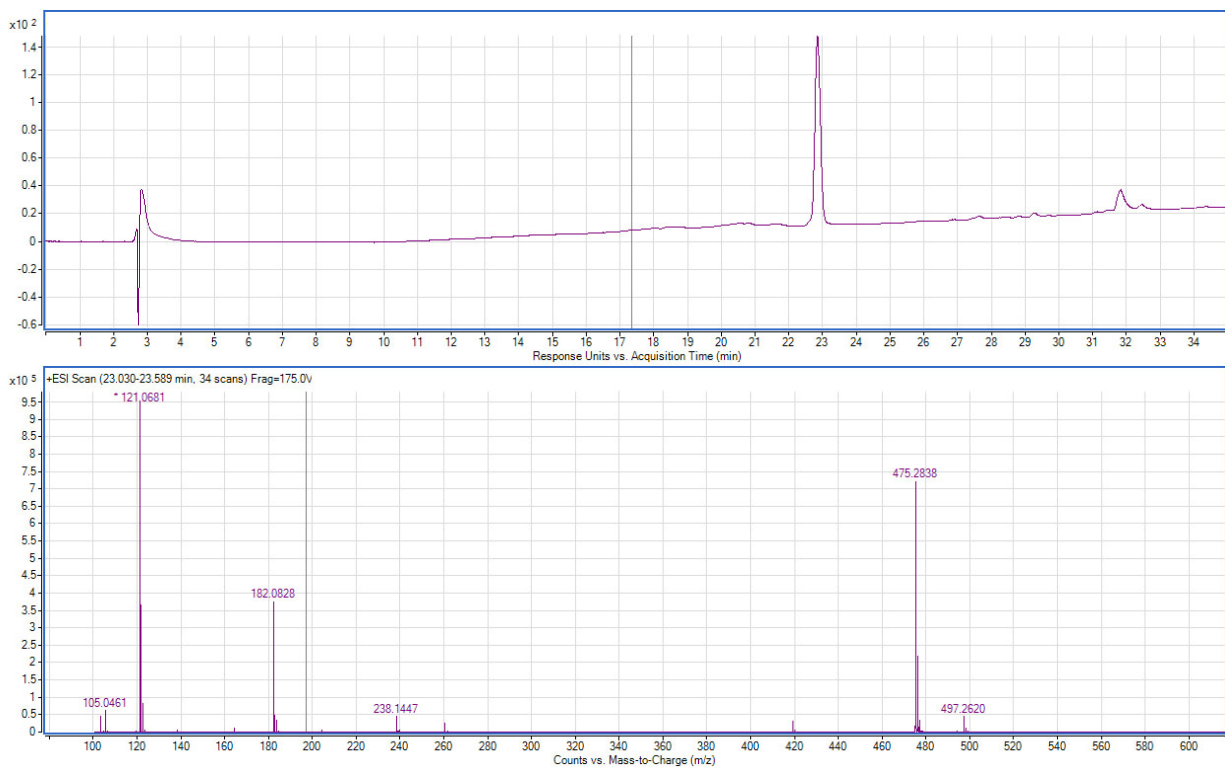
## Compound 5



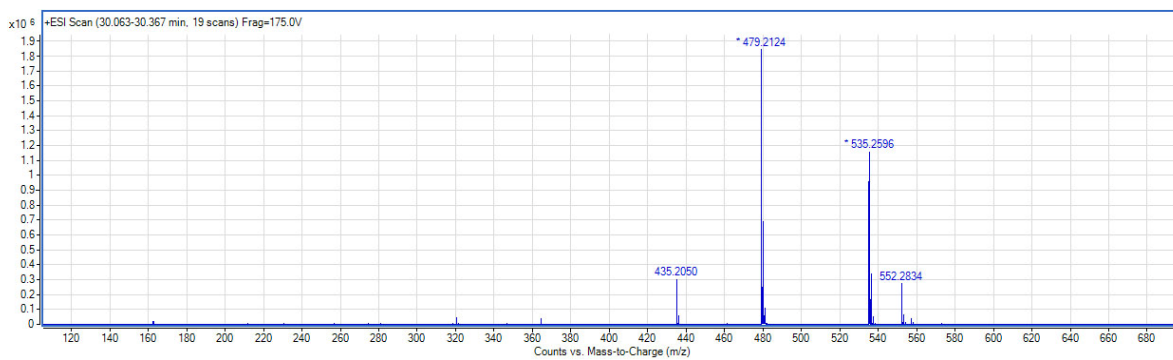
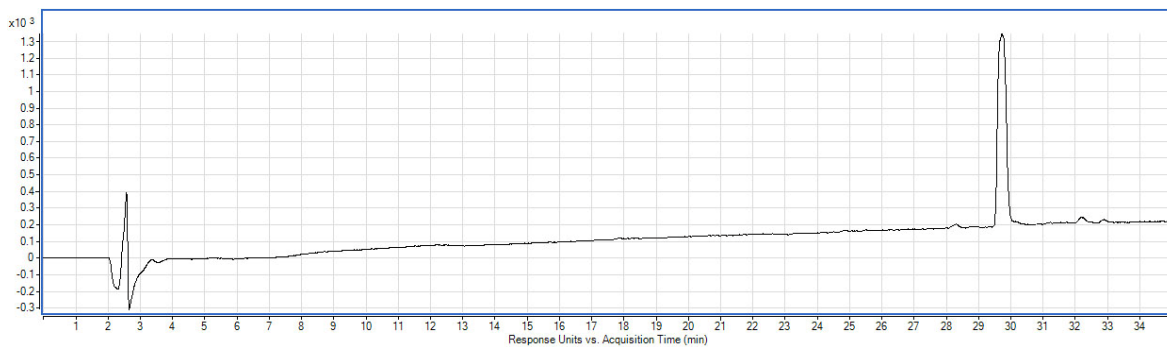
## Compound 6



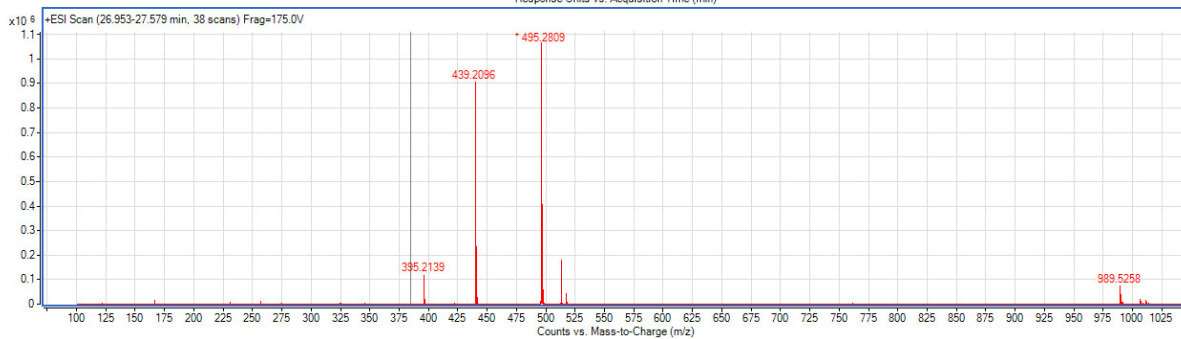
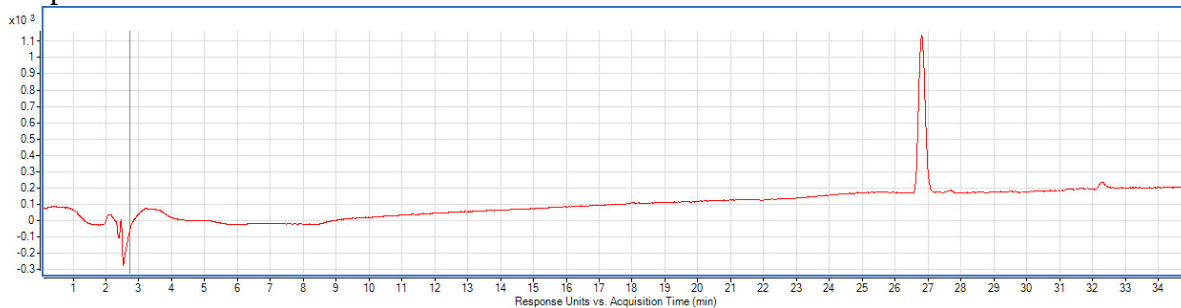
## Compound 7



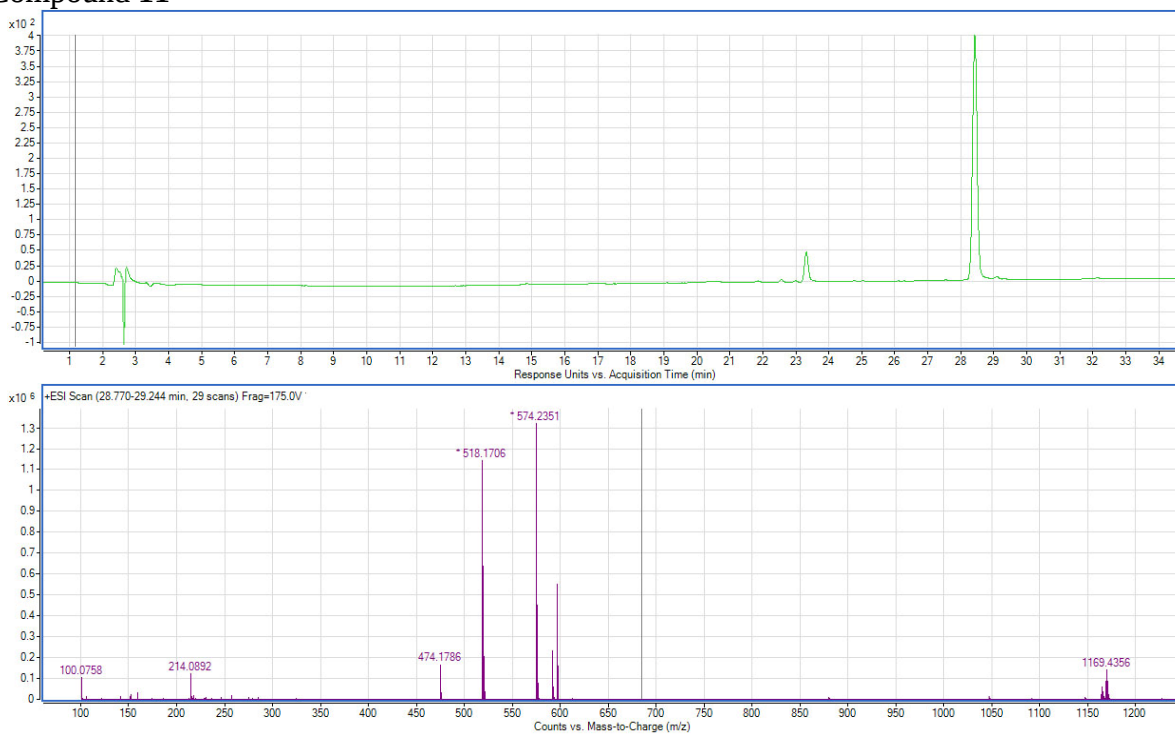
## Compound 8



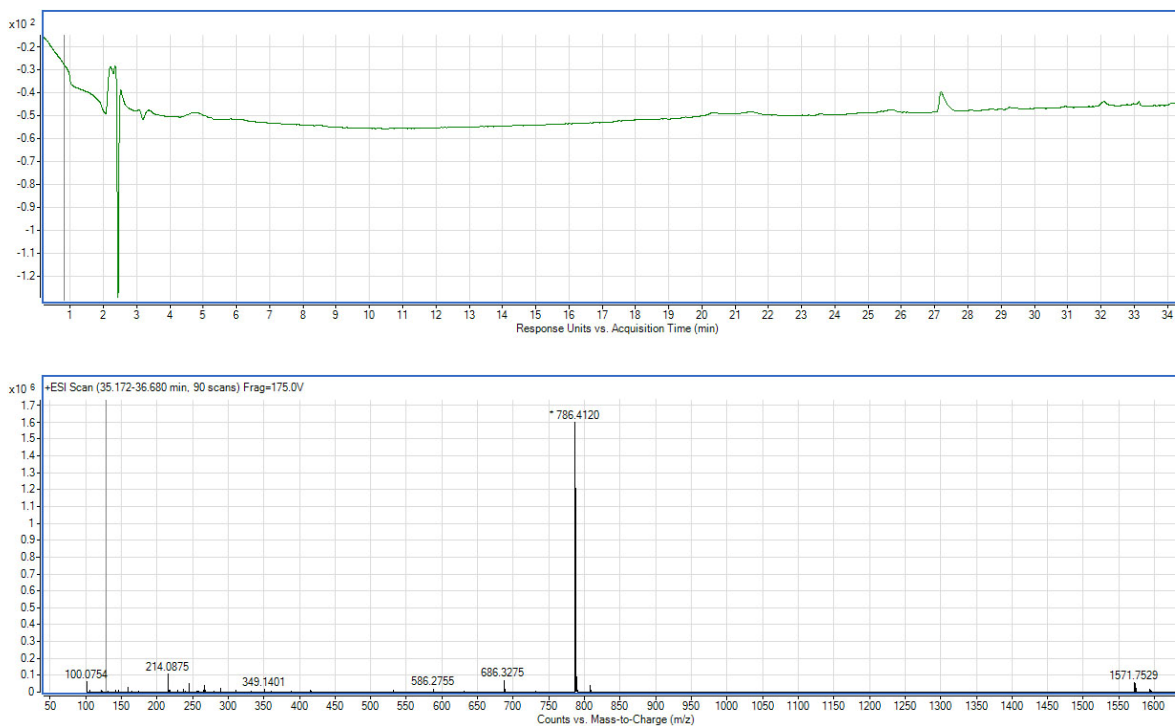
## Compound 10



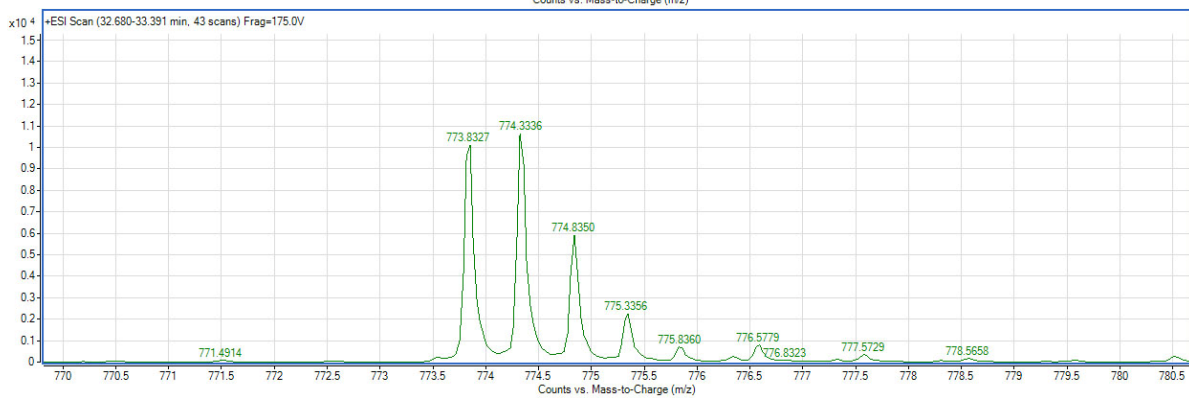
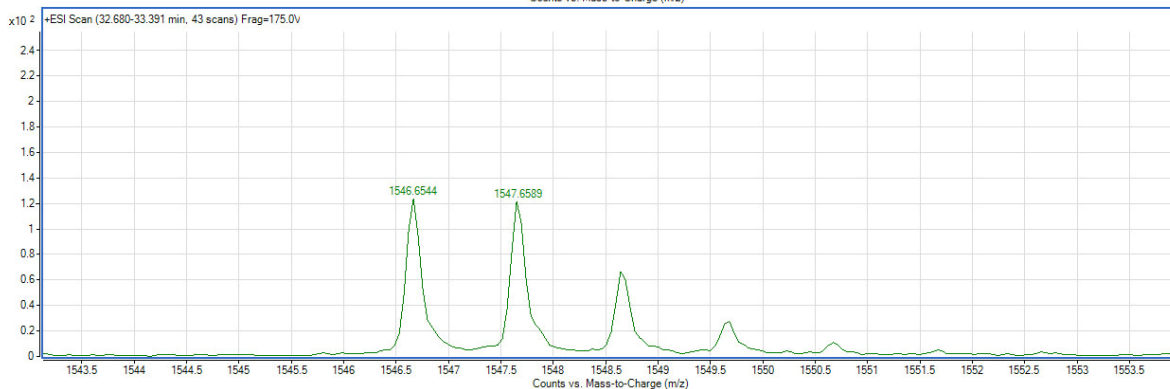
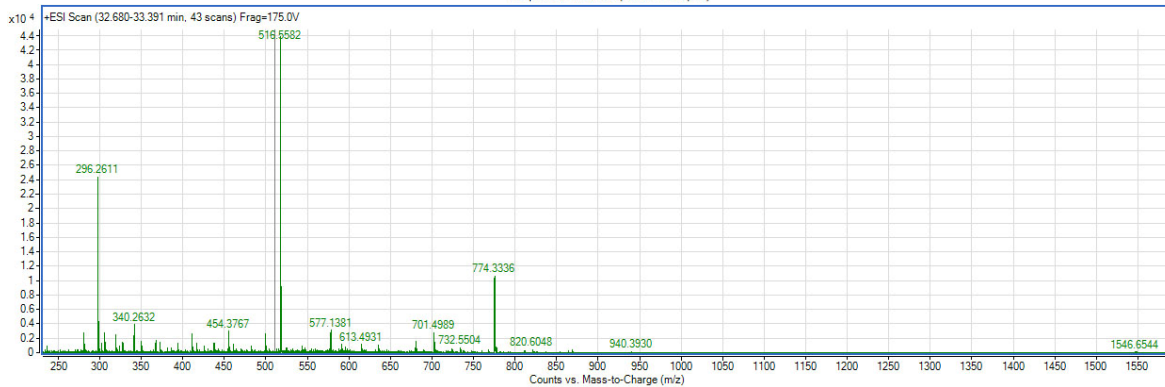
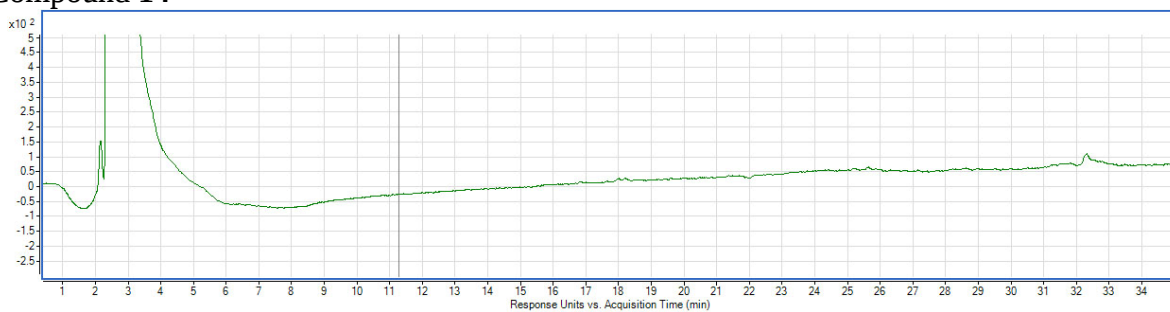
## Compound 11



## Compound 12



## Compound 14



## Compound 15

