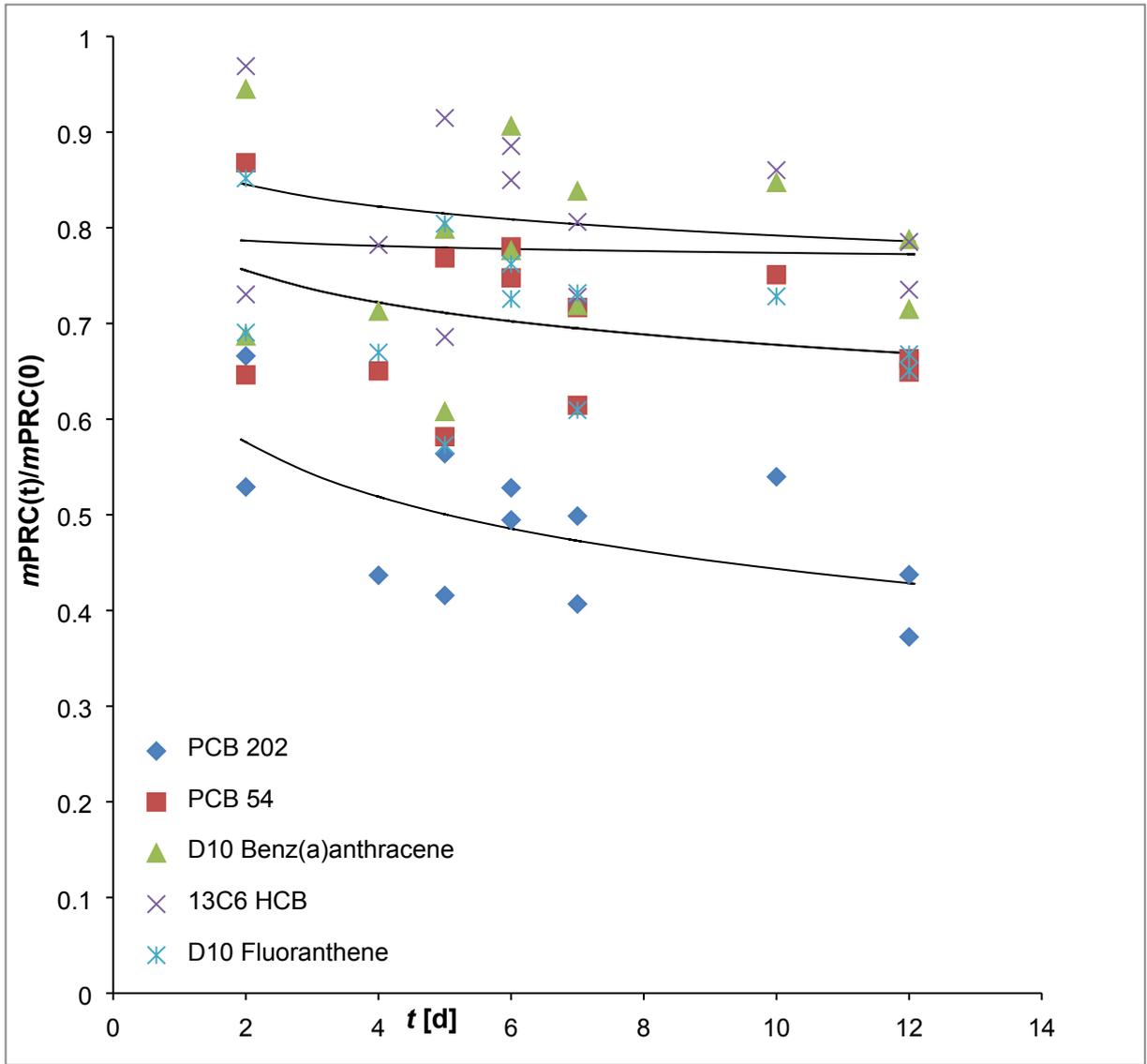
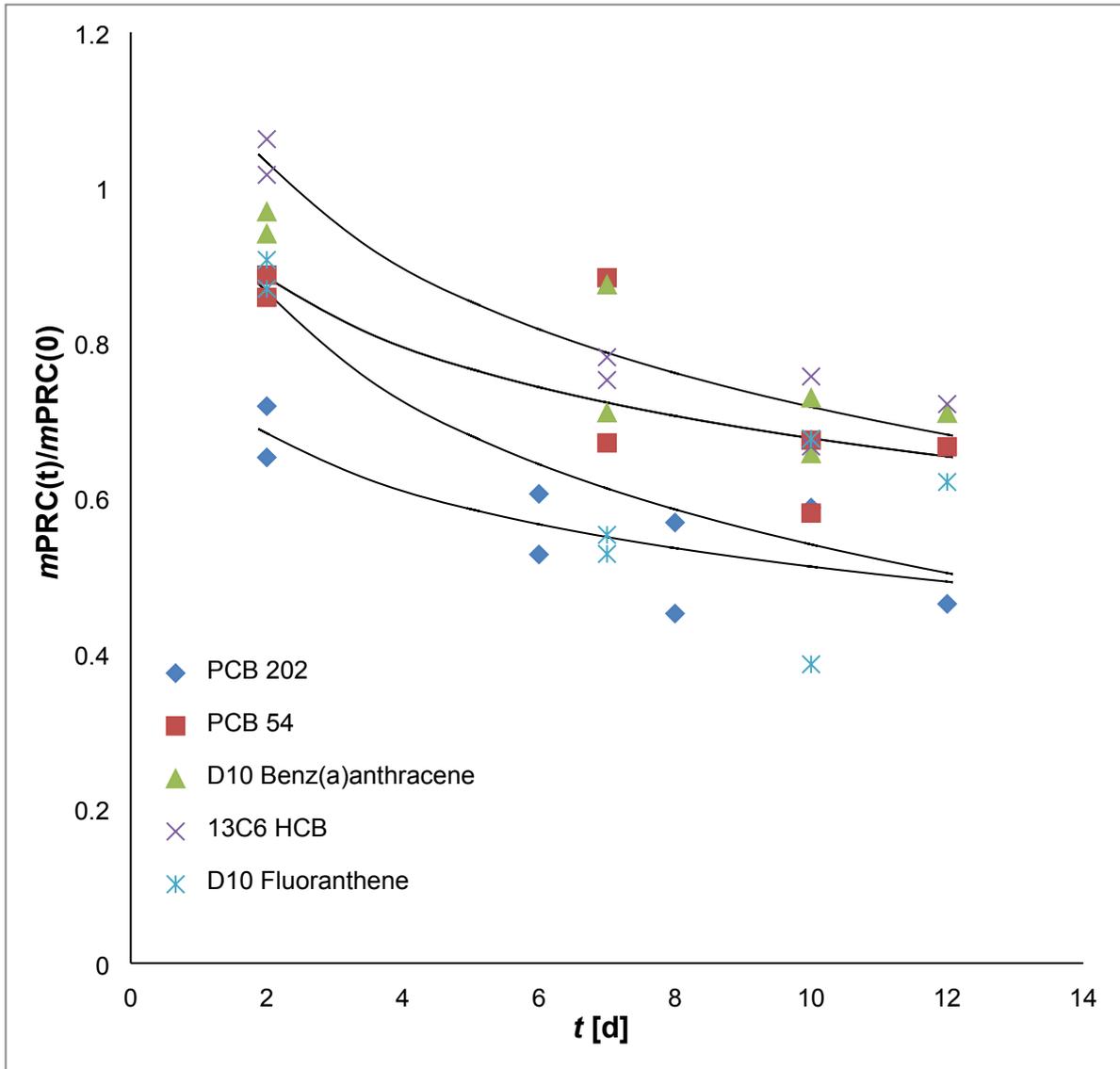


Supplementary data Figure 1: Picture from the experimental setup of the calibration experiments



Supplementary data Figure 2: Release of the PRCs (presented as mass ratio between remaining and initial amount of PRC on the disk) during the 14 days calibration experiment in fresh water at 13°C and an effective velocity of 0.1 m/s.



Supplementary data Figure 3: Release of the PRCs (presented as mass ratio between remaining and initial amount of PRC on the disk) during the 14 days calibration experiment in 2.5% (NaCl) salt water at 13°C and an effective velocity of 0.1 m/s.

Supplementary data Table 1: Limit of detection (LOD) and limit of quantification (LOQ) for the target analytes (method: SBSE- TD-GC/MS, see section 3.59 r in water different matrices (tap water and 25 PSU NaCl salt water))

| substance | LOD tap water [ng/L] | LOQ tap water [ng/L] | LOD salt water [ng/L] | LOQ salt water [ng/L] |
|------------------------|----------------------|----------------------|-----------------------|-----------------------|
| PBDE 47 | 2.8 | 8.8 | 1.2 | 4.1 |
| PBDE 100 | 2.8 | 8.8 | 2.2 | 7.4 |
| PCB 28 | 1.8 | 5.8 | 1.3 | 4.2 |
| PCB 52 | 2.5 | 8.2 | 1.5 | 5.1 |
| PCB 101 | 1.6 | 5.1 | 1.0 | 3.4 |
| PCB 153 | 1.3 | 4.2 | 1.6 | 5.5 |
| <i>p,p'</i>-DDT | 2.8 | 9.2 | 1.4 | 4.8 |
| <i>o,p'</i>-DDE | 1.9 | 6.3 | 1.5 | 5.0 |
| <i>p,p'</i>-DDE | 2.3 | 7.5 | 1.7 | 5.8 |
| <i>o,p'</i>-DDD | 1.9 | 6.3 | 1.4 | 4.7 |