

## Supplementary Materials

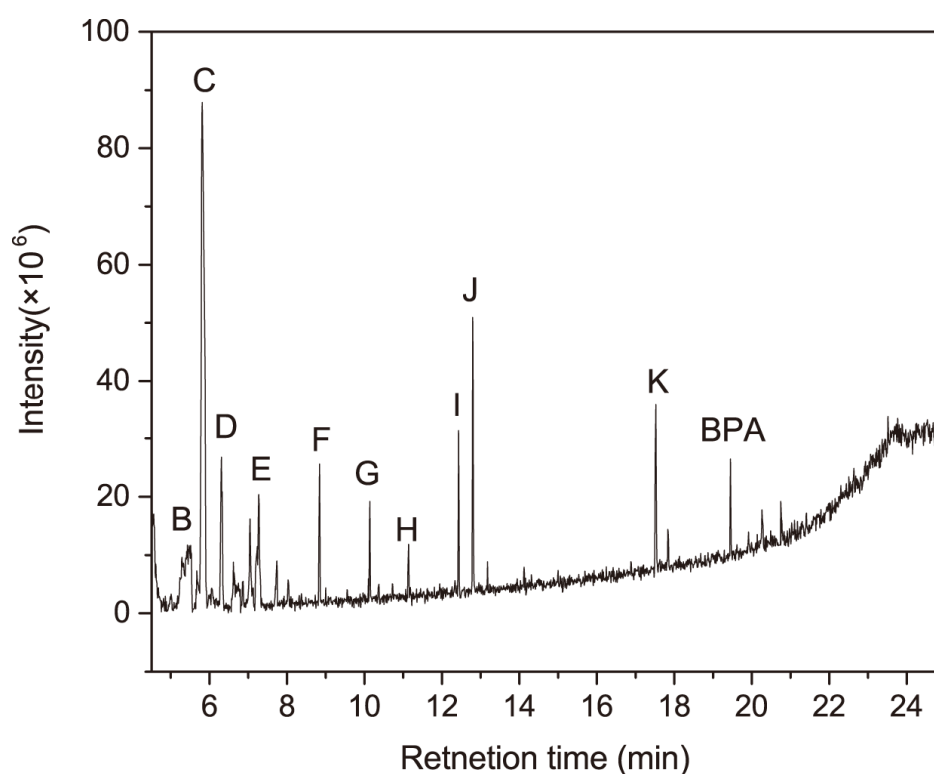
### S-scheme $\text{WO}_3/\text{SnIn}_4\text{S}_8$ heterojunction for water purification: Enhanced photocatalytic performance and mechanism

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**Figure S1.** GC chromatogram of BPA after 4h degradation.

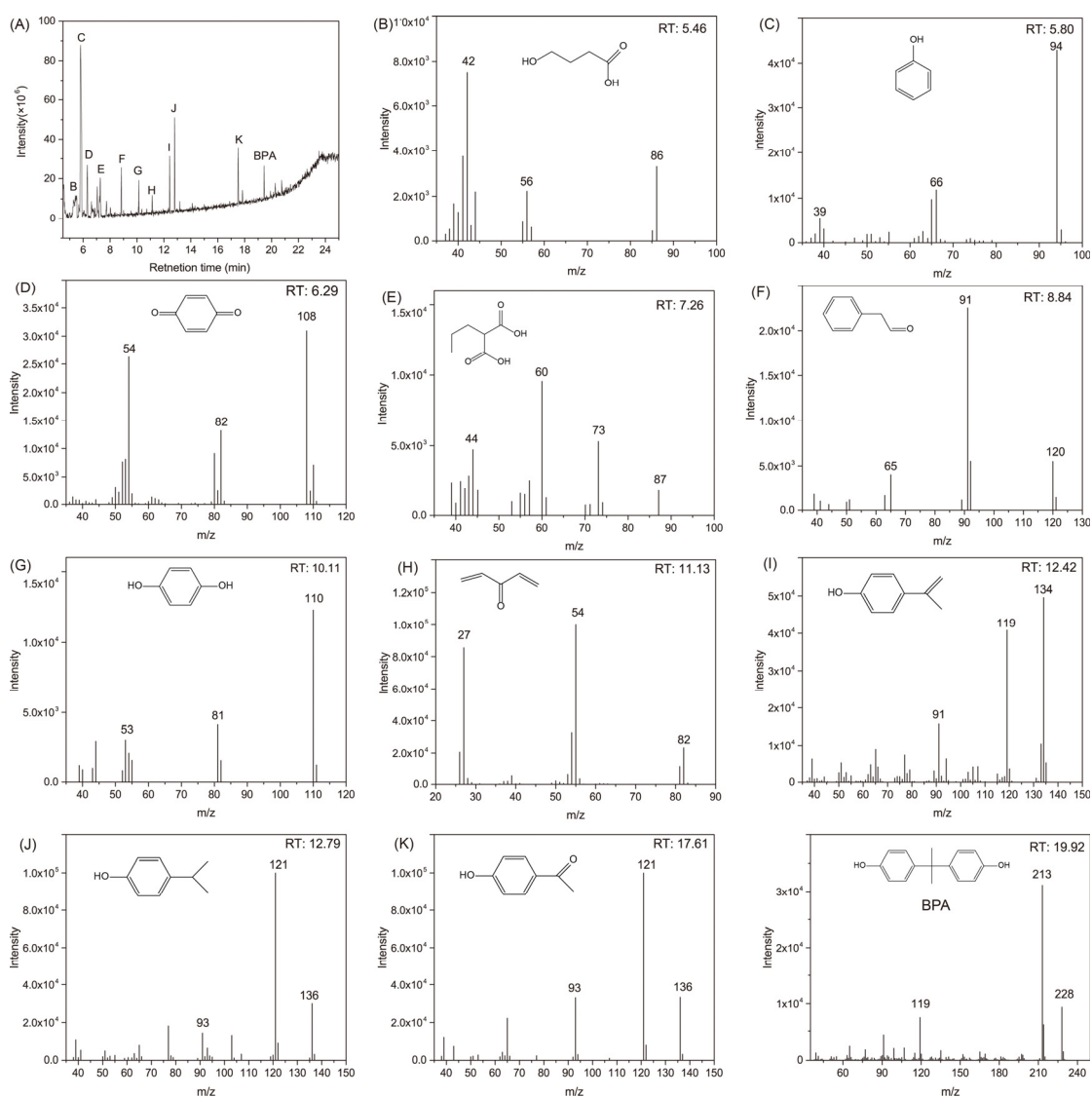
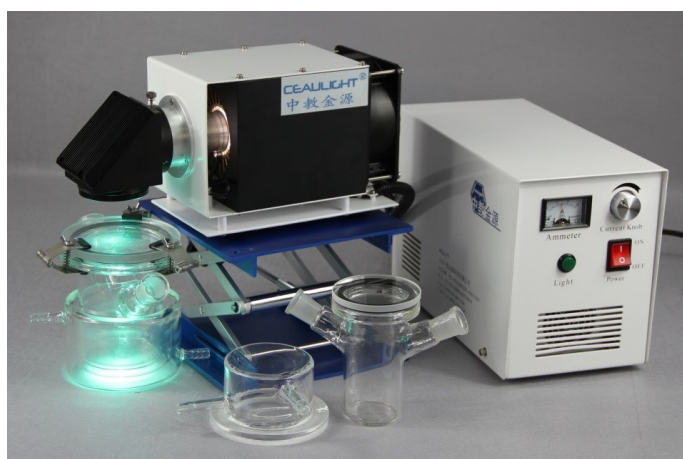


Figure S2 Mass spectrum of the intermediate products of BPA after 4h degradation

Table S1. GC-MS data of the photodegradation products of BPA by WSL.

Compounds	Chemical formula	Retention time(min)	m/z
γ-Hydroxybutyric acid(B)	C <sub>4</sub> H <sub>8</sub> O <sub>3</sub>	5.46	86
Phenol(C)	C <sub>6</sub> H <sub>6</sub> O	5.80	94
p-benzoquinone(D)	C <sub>6</sub> H <sub>4</sub> O <sub>2</sub>	6.29	108
propylmalonic acid(E)	C <sub>6</sub> H <sub>10</sub> O <sub>4</sub>	7.26	87
phenylacetaldehyde(F)	C <sub>8</sub> H <sub>8</sub> O	8.84	120
hydroquinone(G)	C <sub>6</sub> H <sub>6</sub> O <sub>2</sub>	10.11	110
Penta-1,4-dien-3-one(H)	C <sub>5</sub> H <sub>6</sub> O	11.13	82
4-isopropenylphenol (I)	C <sub>9</sub> H <sub>12</sub> O	12.42	134
4-isopropylphenol (J)	C <sub>9</sub> H <sub>10</sub> O	12.79	136
p-Hydroxyacetophenone (K)	C <sub>8</sub> H <sub>8</sub> O <sub>2</sub>	17.61	136
BPA	C <sub>15</sub> H <sub>16</sub> O <sub>2</sub>	19.92	228



**Figure S3.** Schematic diagram of photocatalytic reactor.