SUPPLEMENTARY MATERIAL

Supplementary Figure 1. Chemical structure of Alexa Fluor 532 maleimide

$$H_3C$$
 CH_3
 H_3C
 CH_3
 H_3C
 CH_3
 H_3C
 CH_3

Supplementary Figure 2. Chemical structures of explosive compounds used in this study

$$O_2N$$
 NO_2
 NO_2
 TNT

$$O_2N$$
 NO_2

1,3,5 TNB

$$O_2N$$
 NH_2
 NO_2

2-amino 4-6 DNT

Supplementary Figure 3. Chemical structure of Biotin-X-NTA.

HN NH
$$CO_2^{-1}$$
 CO_2^{-1} CO_2^{-1}