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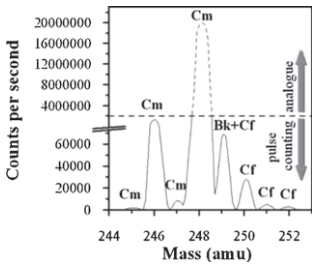
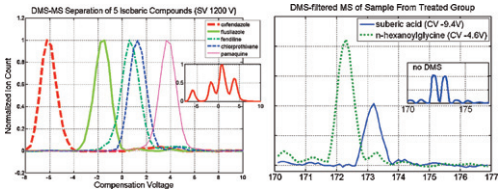
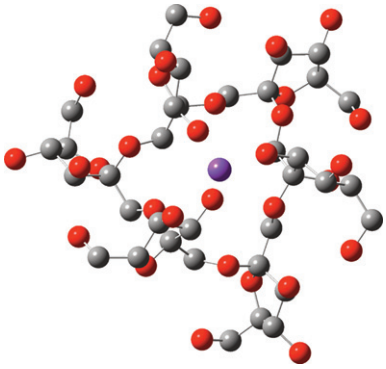
Review



Regular articles





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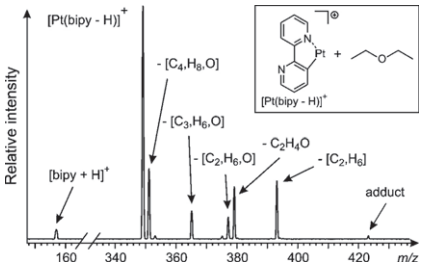
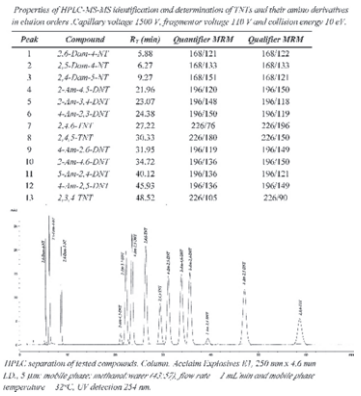
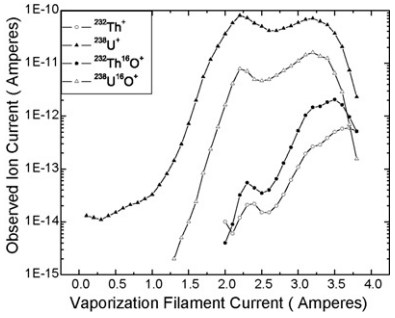


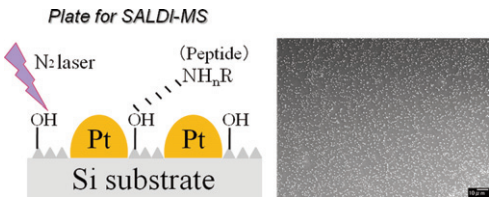


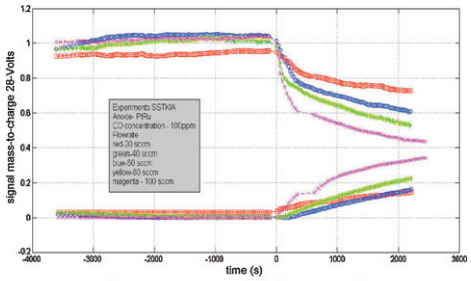
Properties of HPLC-MS-MS identification and determination of TNTs and their amino derivatives in elution orders. Capillary voltage 1500 V, fragmentor voltage 110 V and collision energy 10 eV.

Peak	Compound	R_T (min)	Quantifier MRM	Qualifier MRM
1	2,6-Dam-4-NT	5.88	168/121	168/122
2	2,5-Dam-4-NT	6.27	168/133	168/133
3	2,4-Dam-5-NT	9.27	168/151	168/121
4	2-Am-4,5-DNT	21.96	196/120	196/150
5	2-Am-3,4-DNT	23.07	196/148	196/118
6	4-Am-2,3-DNT	24.38	196/150	196/119
7	2,4,6-TNT	27.22	226/76	226/196
8	2,4,5-TNT	30.33	226/180	226/150
9	4-Am-2,6-DNT	31.95	196/119	196/149
10	2-Am-4,6-DNT	34.72	196/136	196/150
11	3-Am-2,4-DNT	40.12	196/136	196/121
12	4-Am-2,5-DNT	45.93	196/136	196/149
13	2,3,4 TNT	48.52	226/105	226/90

HPLC separation of tested compounds. Column: Acclaim Explosives E5, 250 mm x 4.6 mm I.D., 5 μm; mobile phase: methanol/water (45:55), flow rate 1 mL/min and mobile phase temperature 32°C, UV detection 254 nm.







Flow dependent CO exchange on PtRu catalysts at 25°C and 100 ppm CO in H_2

Erratum