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(71) Applicants *(for all designated States except US)*: **JAWAHARLAL NEHRU UNIVERSITY** [IN/IN]; New Delhi 110 067 (IN). **COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH** [IN/IN]; Anusandhan Bhavan, Rafi Marg, New Delhi 110 001 (IN).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **GHOSH, Dipankar** [IN/IN]; Special Centre for Molecular Medicine, Jawaharlal Nehru University, New Delhi 110 067 (IN). **PANCHAGNULA, Venkateswarlu** [IN/IN]; Chemical Engineering Division, National Chemical Laboratory, Dr. Homi Bhabha Road, Pune 411 008, Maharashtra (IN). **DHAWARE, Deepika** [IN/IN]; Chemical Engineering Division, National Chemical Laboratory, Dr. Homi Bhabha Road, Pune 411 008, Maharashtra (IN).

(74) Agents: **SUBRAMANIAM, Hariharan** et al.; Subramaniam, Nataraj & Associates, E- 556, Greater Kailash-II, New Delhi 110 048 (IN).

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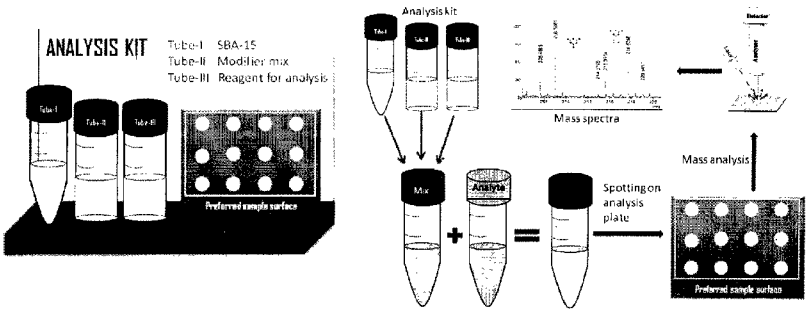


Figure 7

(57) Abstract: The invention relates to a material, process and method for the selective analysis of small molecules. Particularly the invention provides a material and a technique for the analysis of small molecules excluding other large molecular weight (MW) analytes. The process involves selective detection of low molecular weight molecules from a sample comprising the steps of placing said sample with SBA-15 particles; and subjecting the same to desorption ionization mass spectrometry, wherein low molecular weight molecules are selectively detected over the higher molecular weight molecules. A kit for the selective analysis of small molecules is also provided.

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