

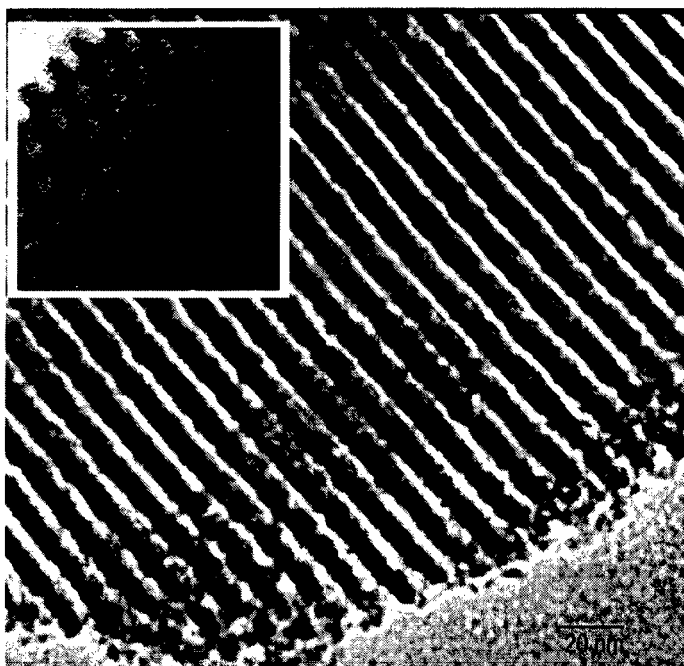
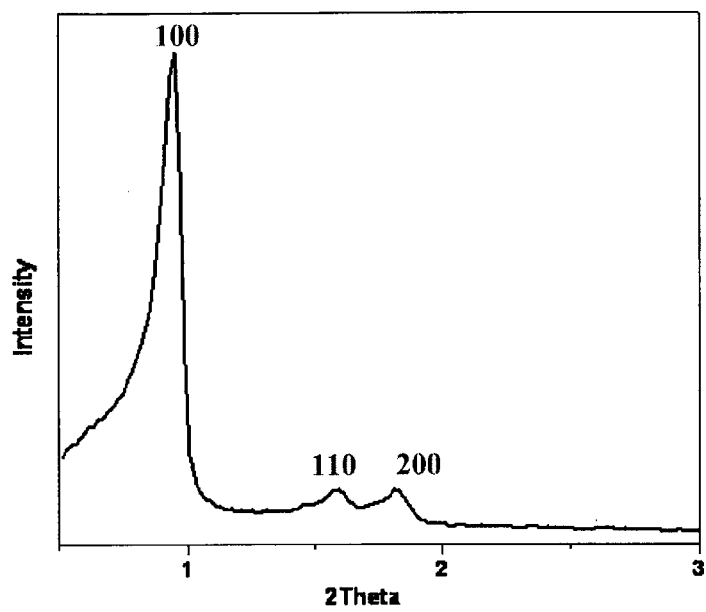


Figure 1

**Figure 2**

Sr. No.	Quorum Sensing (QS) molecules	Bacteria producing the QS molecules	Exact Masses	
			[M+H] ⁺	[M+Li] ⁺
1	N-Tetradecanoyl-DL-Homoserine Lactone	<i>Acidithiobacillus ferrooxidans</i>	312.2539	318.2620
2	N-Dodecanoyl-DL-Homoserine Lactone	<i>Vibrio alginolyticans</i>	284.2226	290.2307
3	N-Decanoyl-DL-Homoserine Lactone	<i>Azospirillum lipoferum</i> TW3	256.1913	262.1994
4	N-Octanoyl-DL-Homoserine Lactone	<i>Yersinia enterocolytica</i>	228.1600	234.1681
5	N-Heptanoyl-DL-Homoserine Lactone	<i>Rhizobium leguminosarum</i> by <i>viciae</i>	214.1443	220.1525
6	N-Hexanoyl-DL-Homoserine Lactone	<i>Pseudomonas aeruginosa</i>	200.1287	206.1368
7	N-Butyryl-DL-Homoserine Lactone	<i>Pseudomonas aeruginosa</i>	172.0974	178.1055
8	N-(β -Ketocaproyl)-DL-Homoserine Lactone	<i>Lactobacillus plantarum</i>	214.1079	220.1161

Figure 3

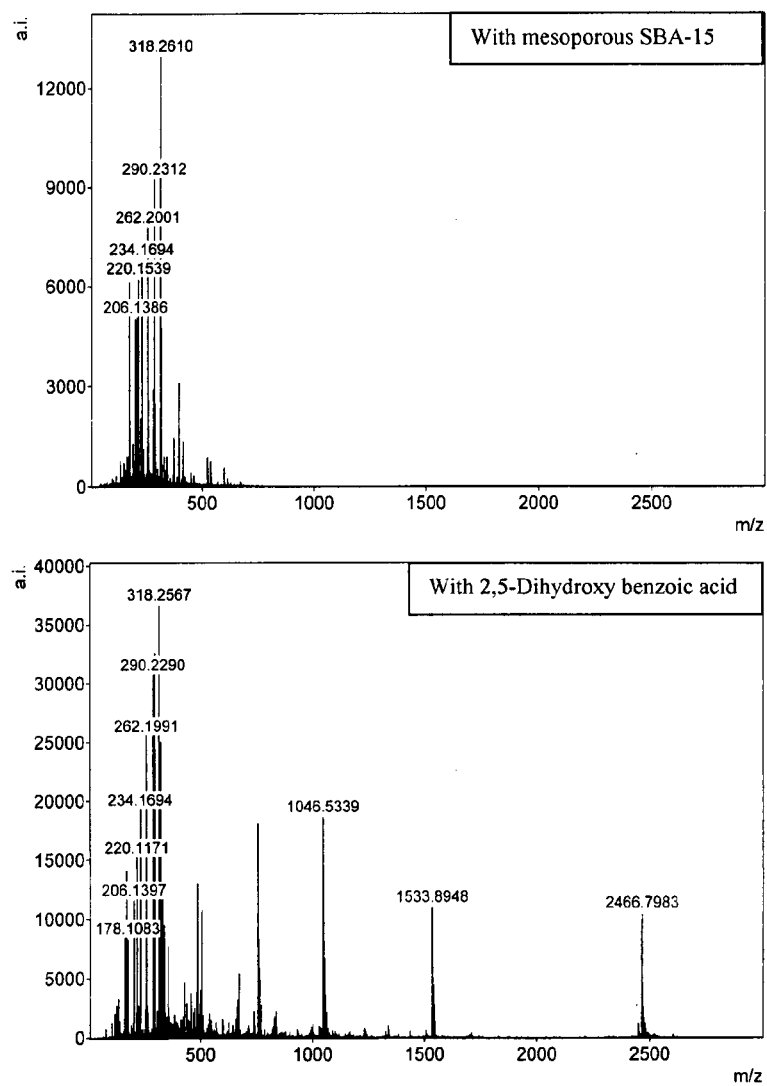


Figure 4

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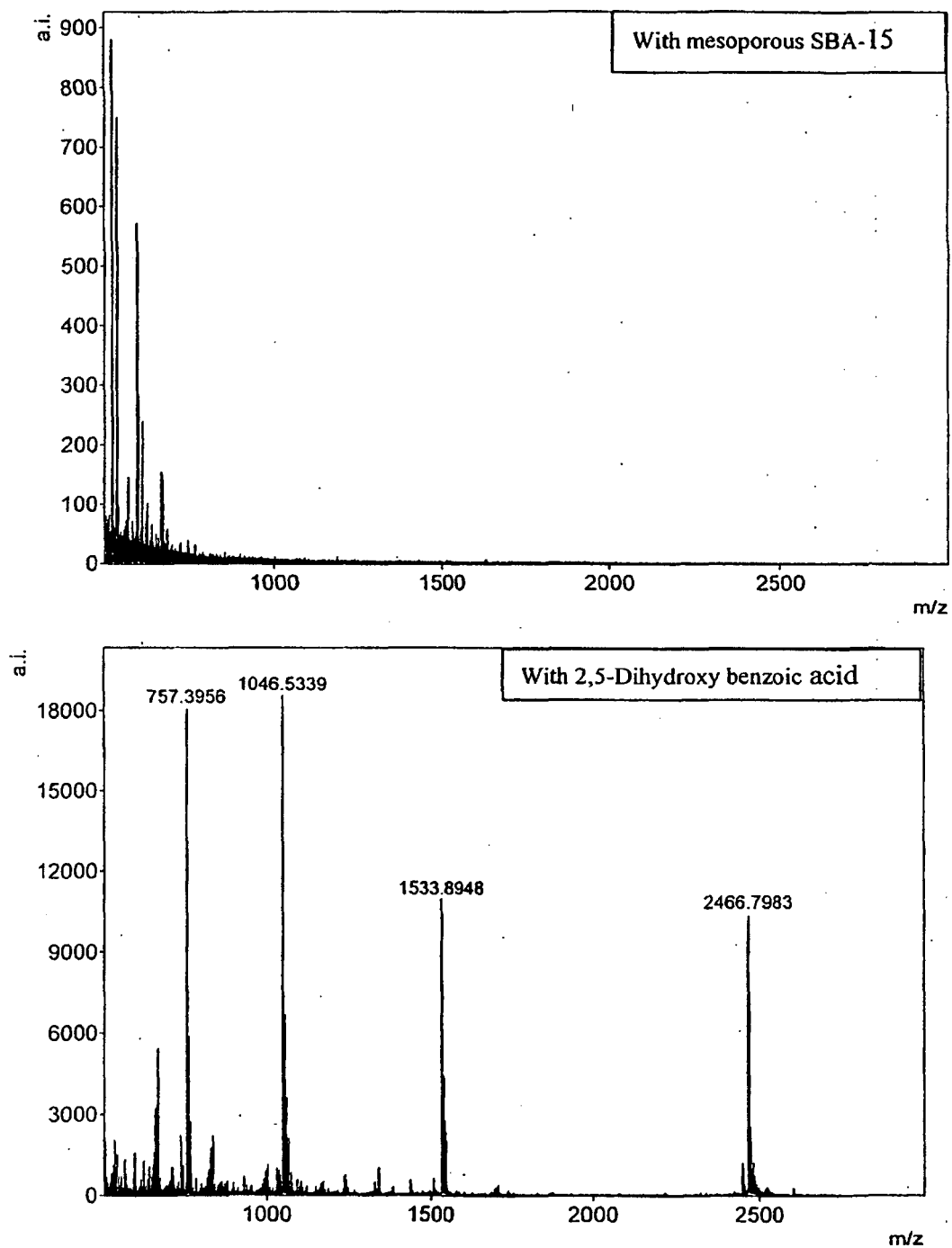


Figure 5

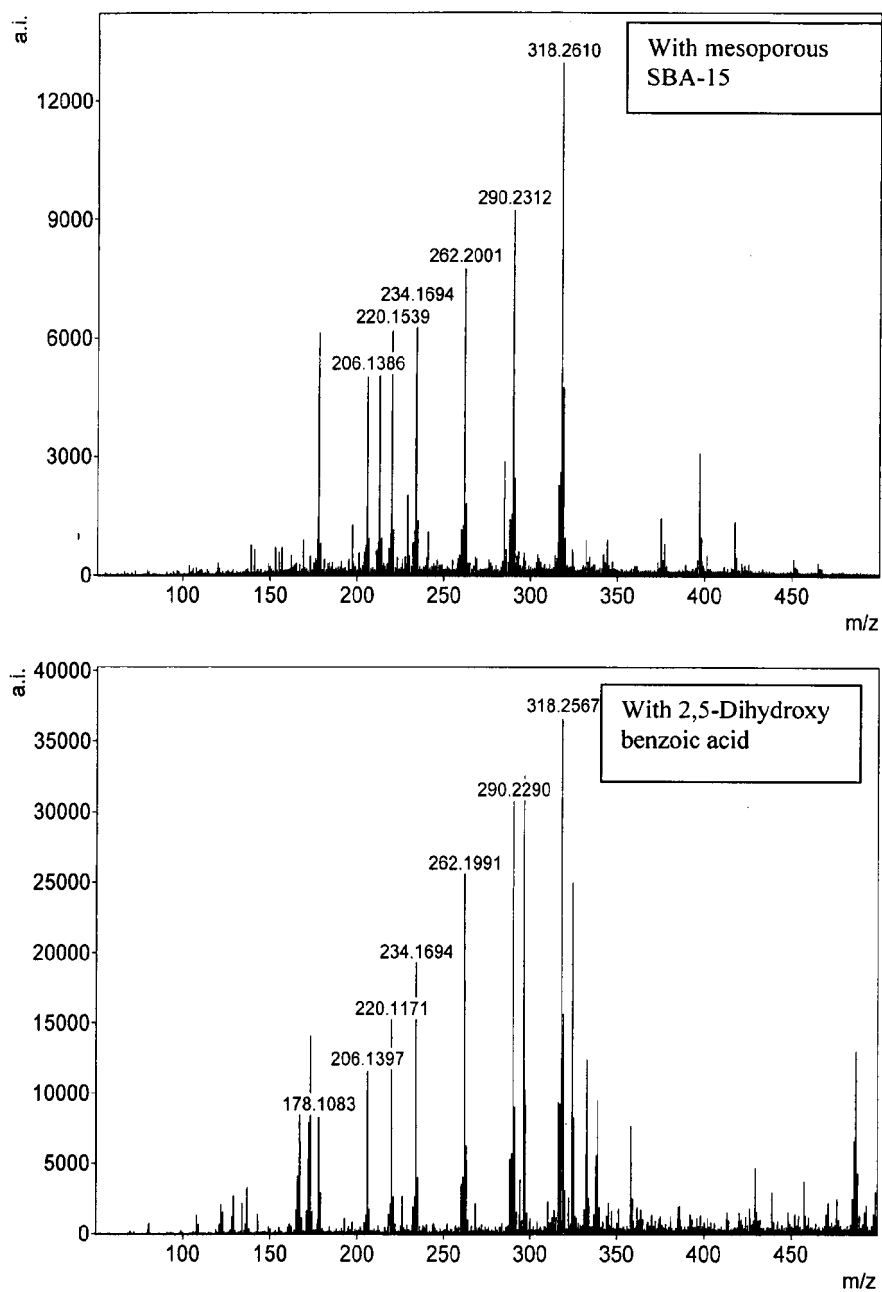
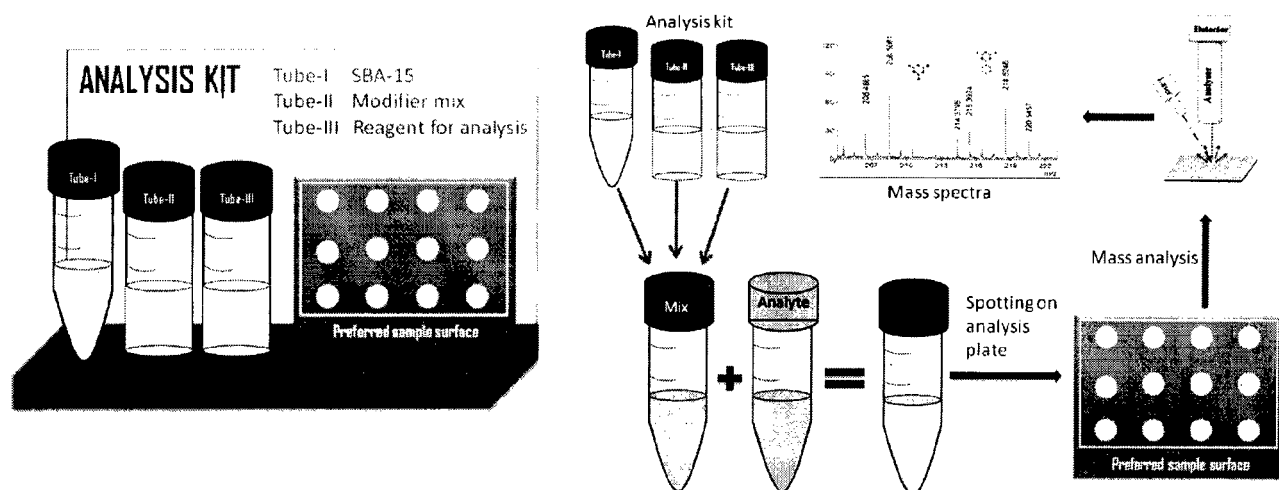
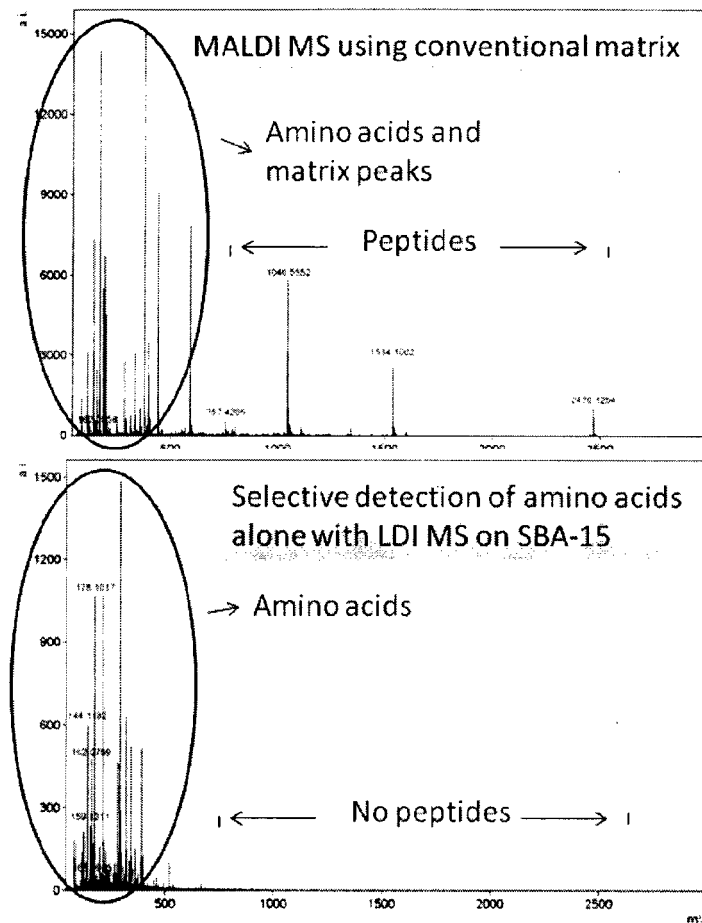


Figure 6



**Figure 8**

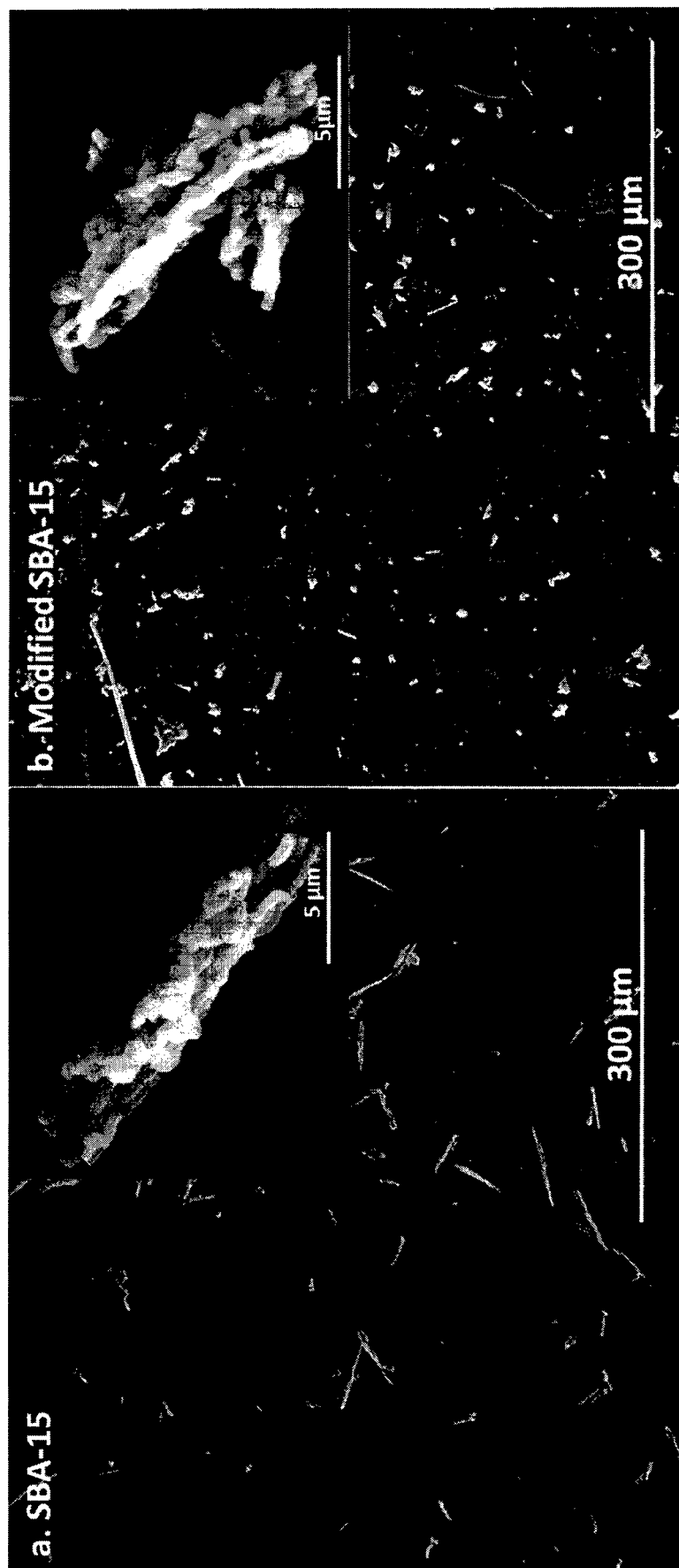


Figure 9

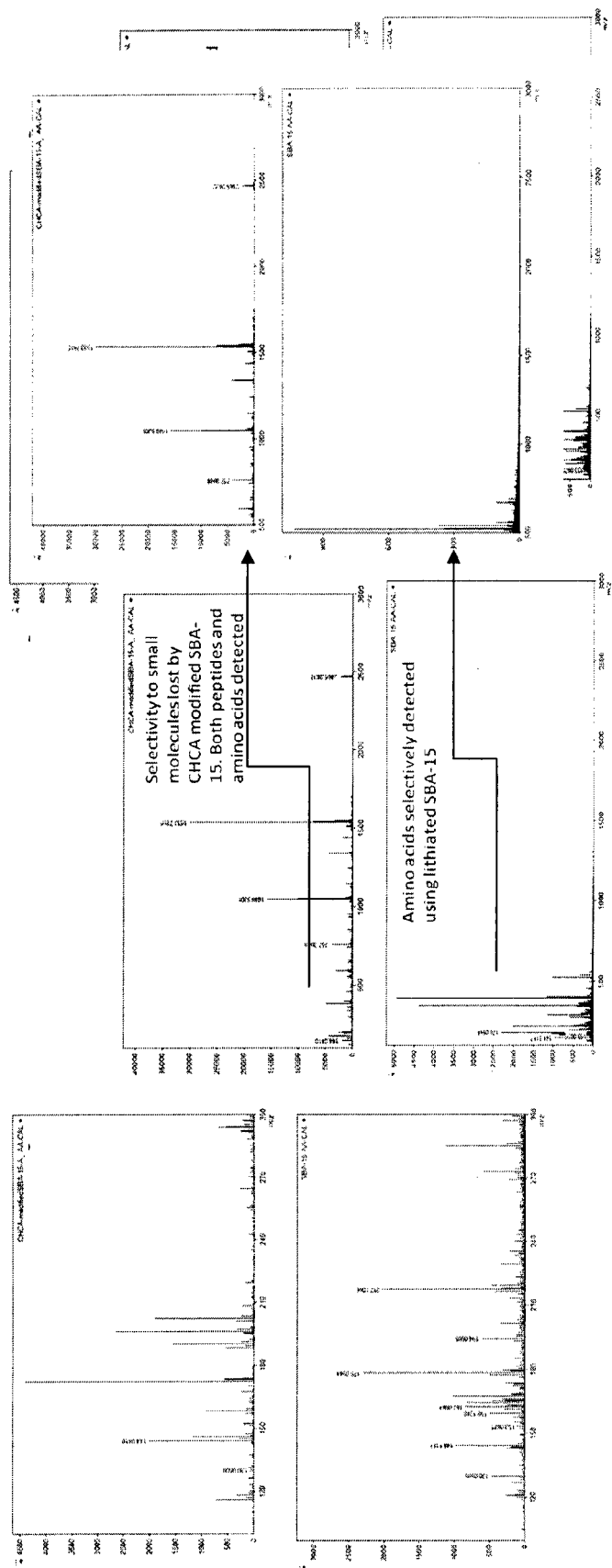


Figure 10

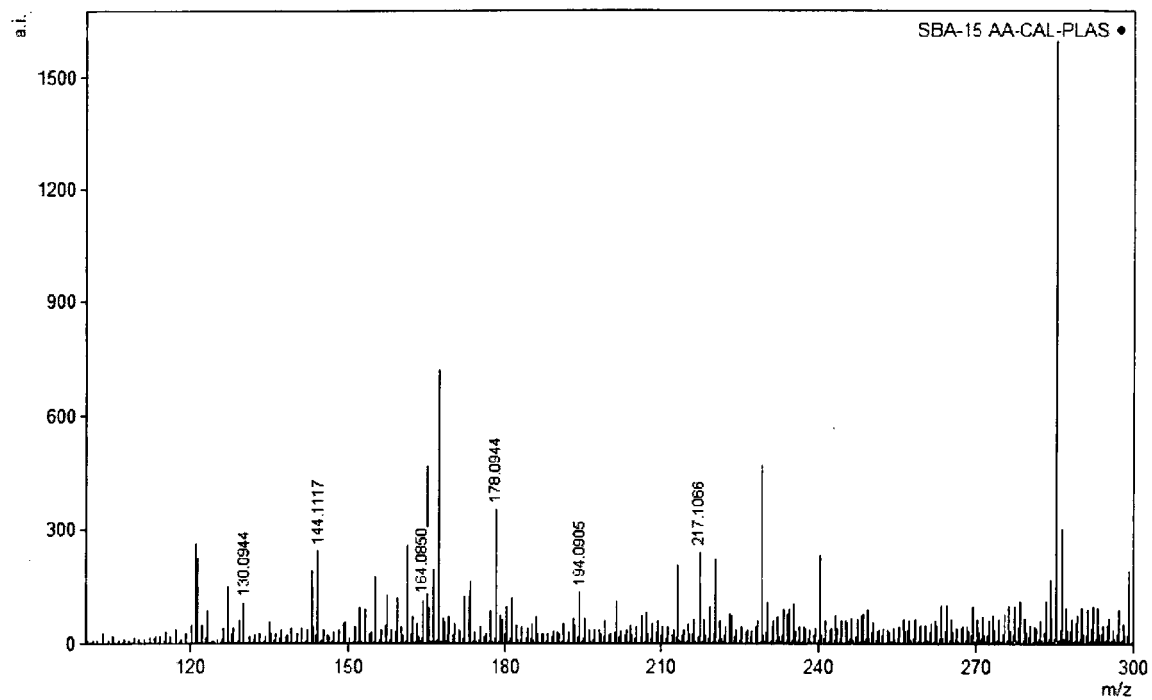


Figure 11