

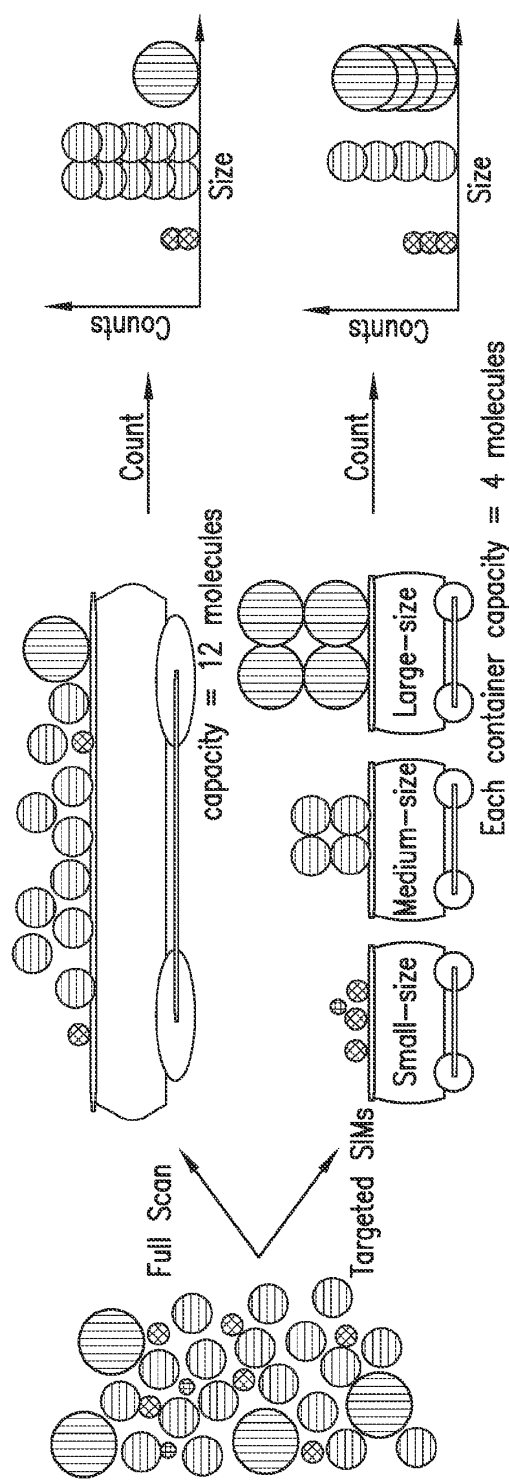


FIG.1

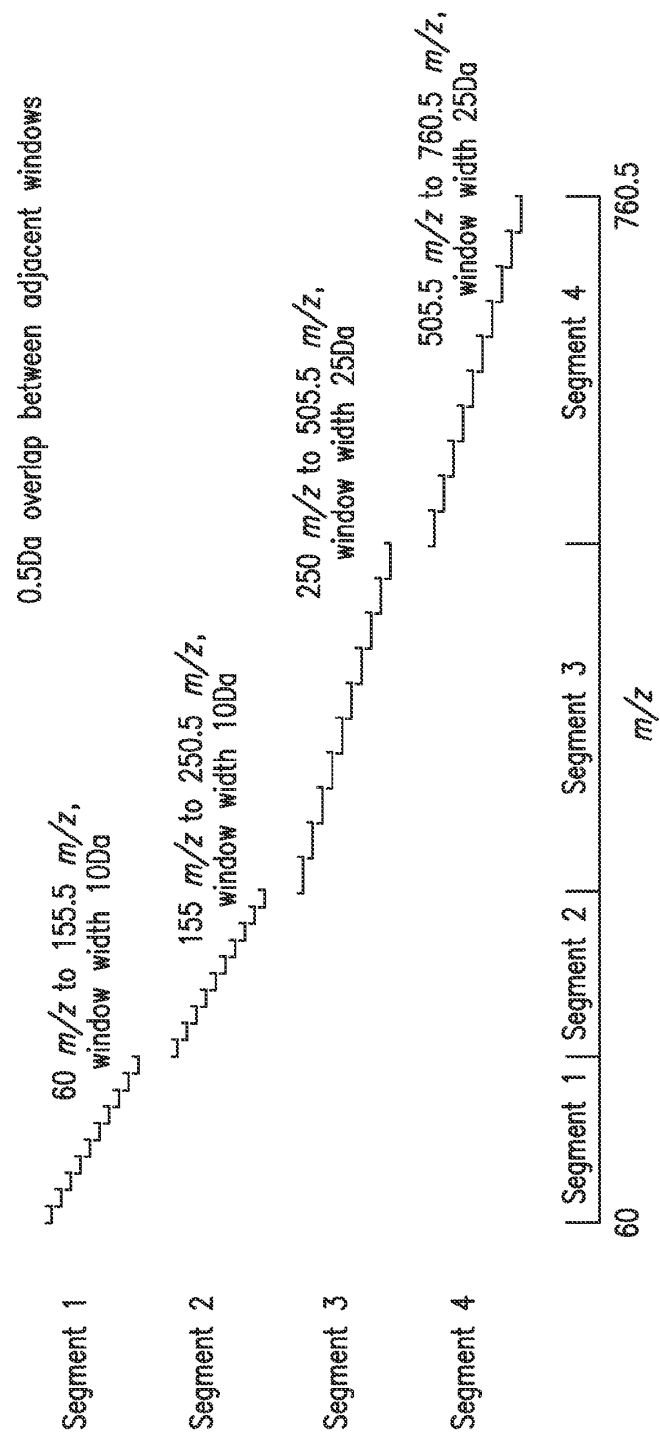


FIG.2

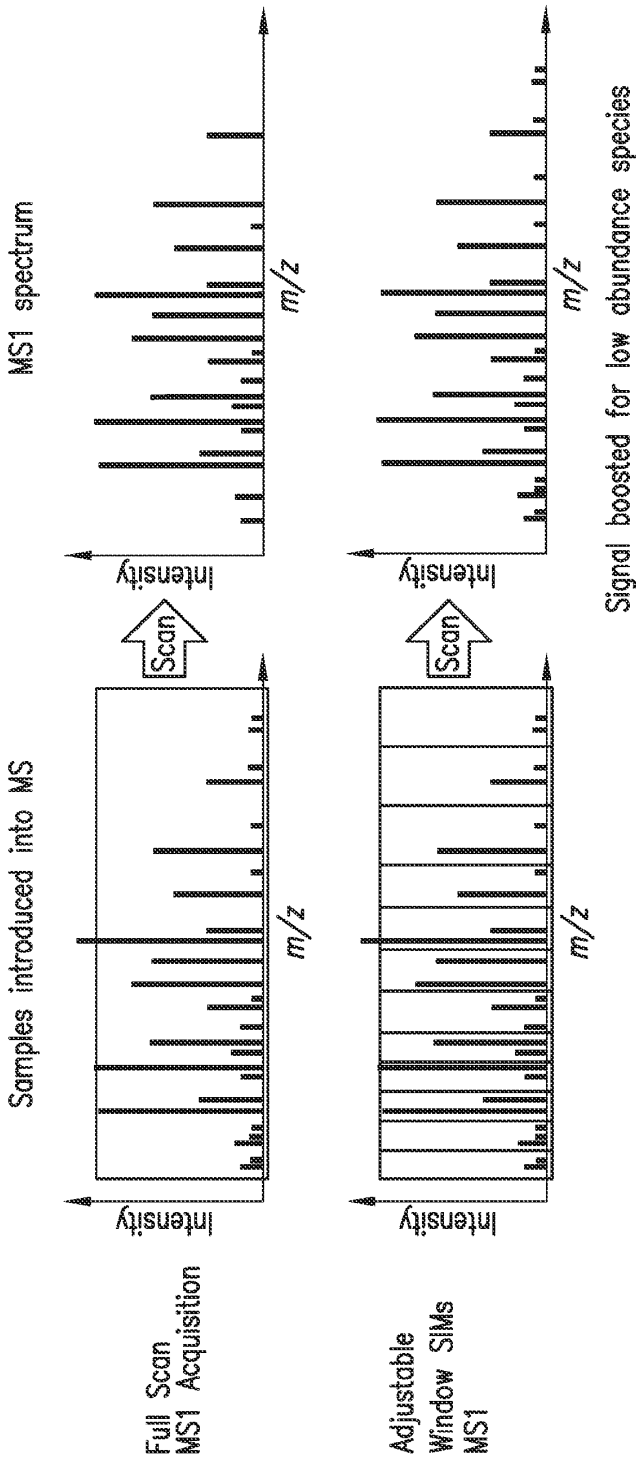


FIG.3

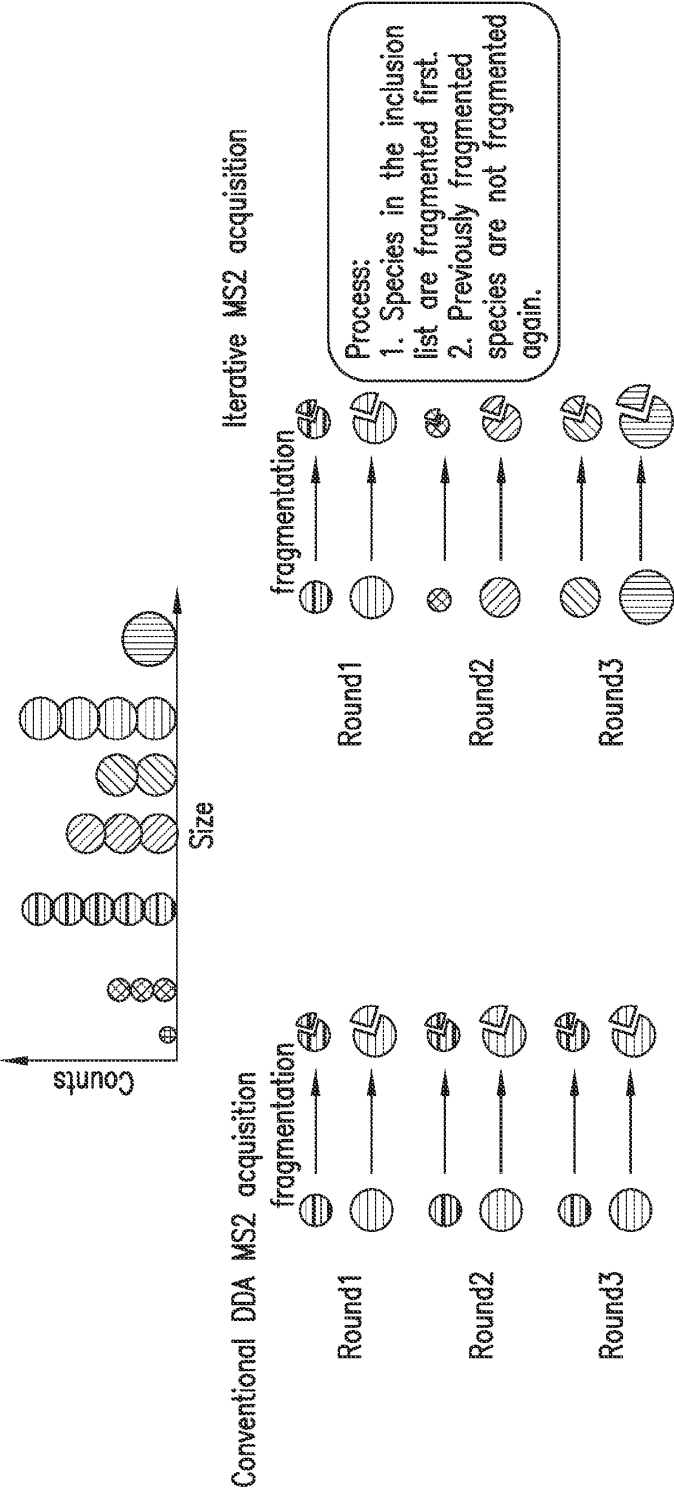


FIG.4

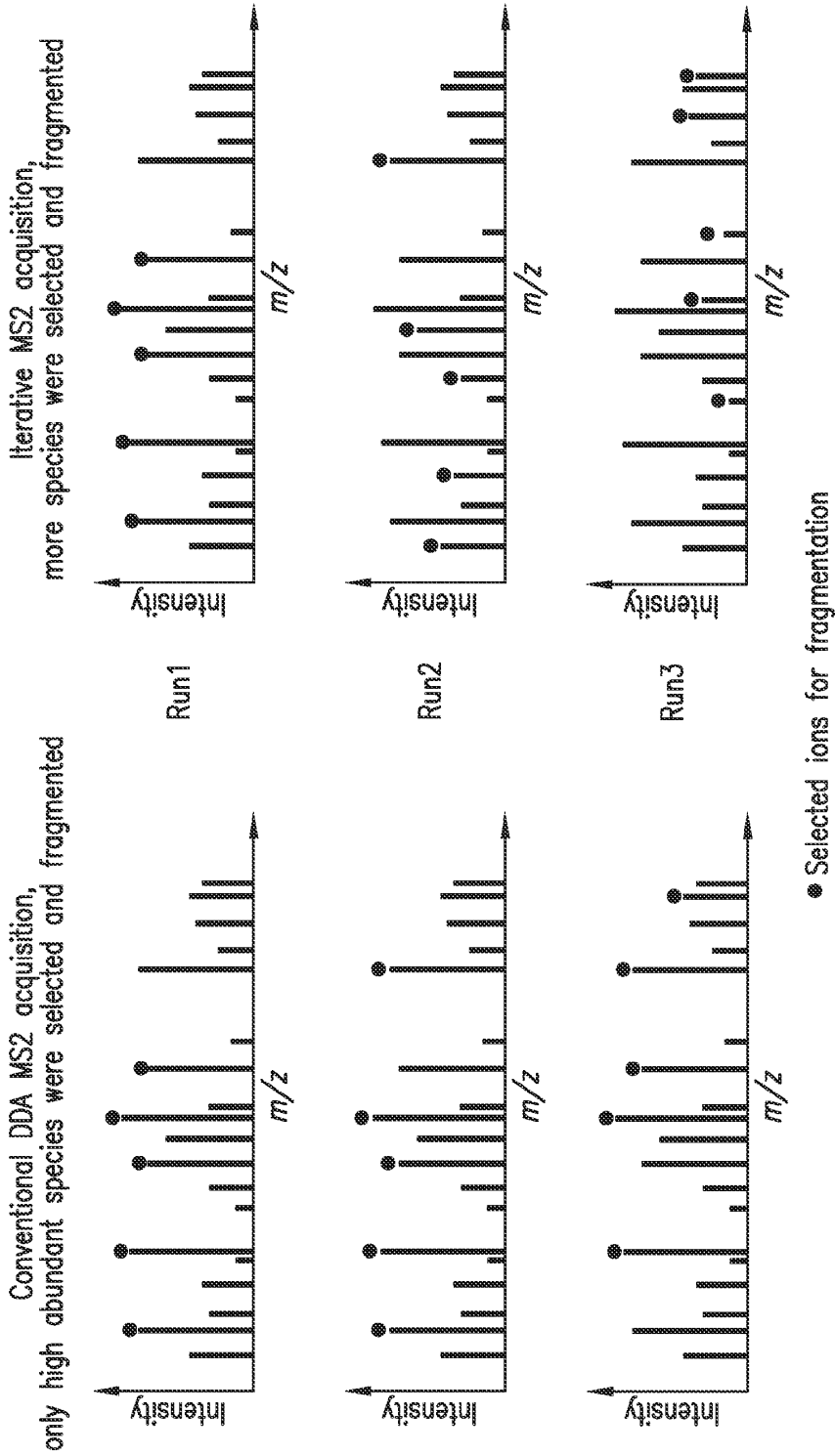


FIG.5

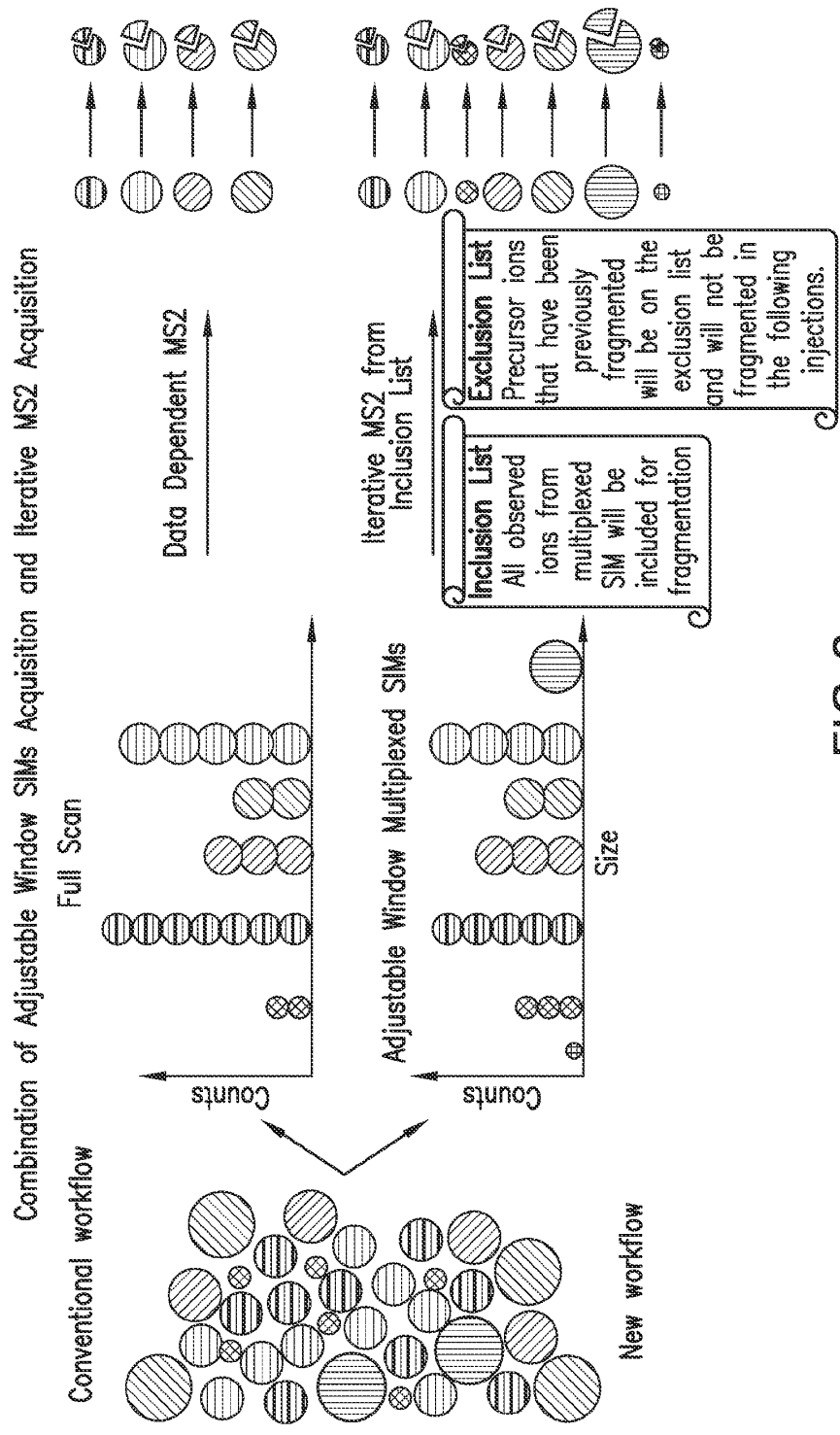


FIG.6

Detection of stable isotope labeled compounds spiked at different concentration in soy hydrolysate

Stable isotope labeled compound	Concentration				
	1 μ M	0.1 μ M	0.01 μ M	0.001 μ M	0.0001 μ M
Glycine	Both	Both	Both	Both	Both
Alanine	Both	ND	ND	ND	ND
Serine	Both	Both	Only in SIM	ND	ND
Proline	Both	Only in SIM	Only in SIM	ND	ND
Valine	Both	ND	ND	ND	ND
Threonine	Both	Both	ND	ND	ND
nicotinamide	Both	ND	ND	ND	ND
nicotinate	Both	Only in SIM	ND	ND	ND
N-Acetyl-alanine	Both	Both	Both	Both	Both
Asparagine	Both	Both	Only in SIM	ND	ND
Aspartic acid	Both	Both	Both	ND	ND
Ornithine	Both	ND	ND	ND	ND
Leucine	Both	Both	Only in SIM	ND	ND
Isoleucine	Both	Both	Both	ND	ND
Glutamine	Both	Both	Both	ND	ND
Glutamic acid	Both	Both	ND	ND	ND
Lysine	Both	Both	ND	ND	ND
Methionine	Both	Both	Both	ND	ND
Histidine	Both	Both	ND	ND	ND
Phenylalanine	Both	Both	ND	ND	ND
Arginine	Both	Only in SIM	ND	ND	ND
Tyrosine	Both	Both	Only in FS	ND	ND
Tryptophan	Both	Both	Both	Both	Both
Cystine	Both	Both	Both	ND	ND
5'-Methylthioadenosine	Both	Both	Both	ND	ND
HEPES D16	Both	Both	ND	ND	ND
Vitamin B12 2+	Both	Only in SIM	Only in SIM	Only in SIM	Only in SIM
Folate (Vitamin B9) 2+	Both	Only in SIM	ND	ND	ND

Only in SIM: only detected with targeted SIMs
Only in FS: only detected with full scan
Both: detected with both acquisition methods
ND: not detected with either acquisition method

FIG. 7

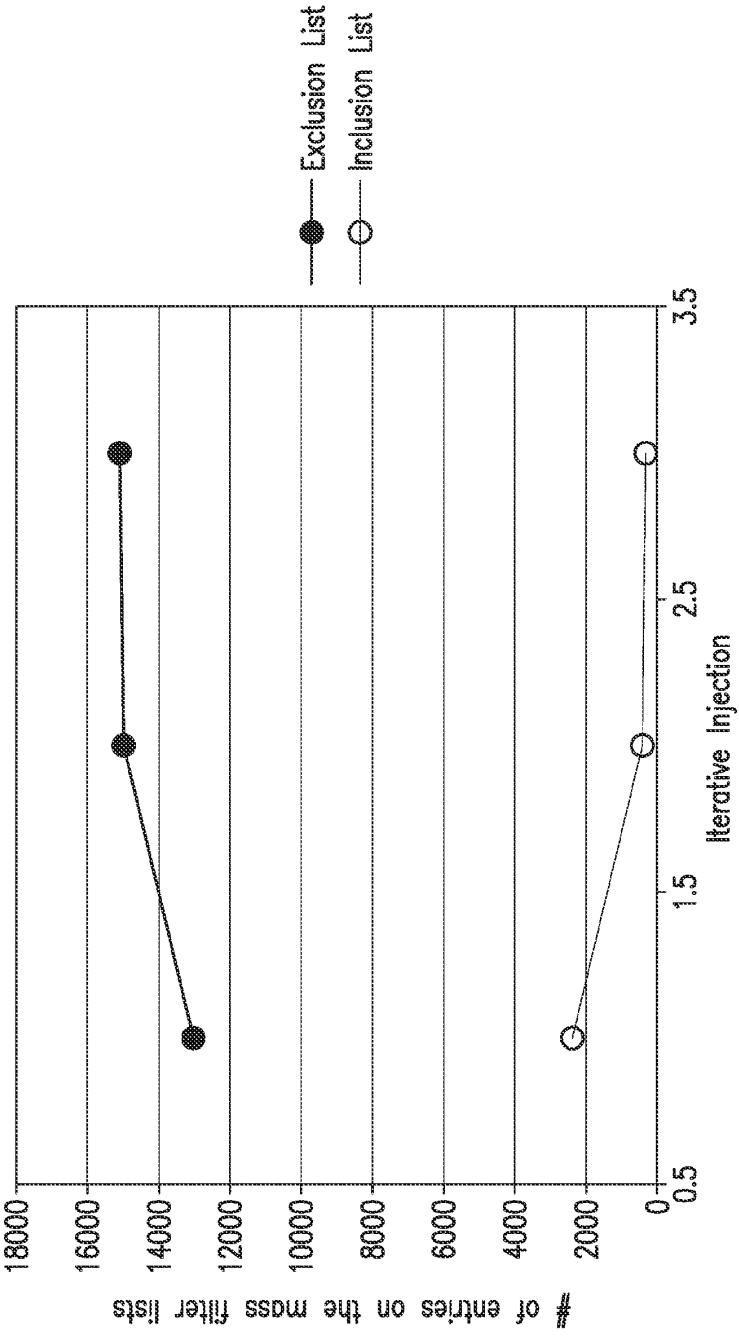


FIG.8