

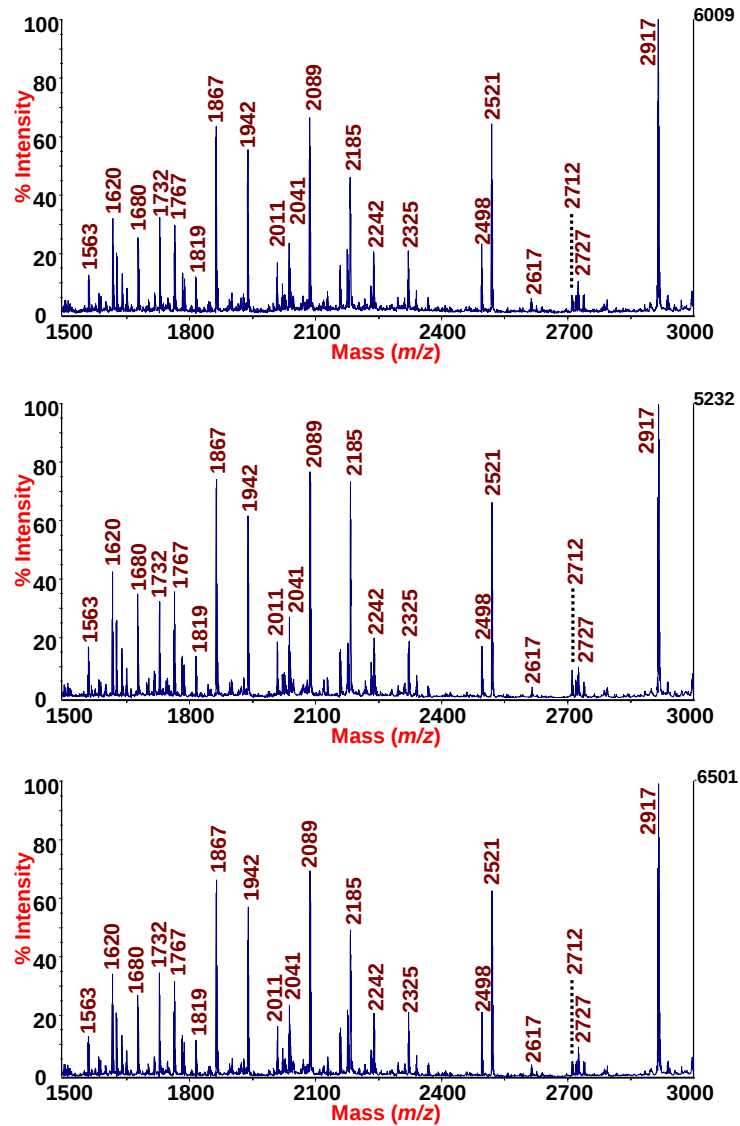


Figure 1. Reproducibility studies on sputum peptidome profiling. MALDI-TOF mass spectra replicates of sputum were obtained from the same patient after HMS enrichment. The spectra were acquired in reflector mode using CHCA matrix.

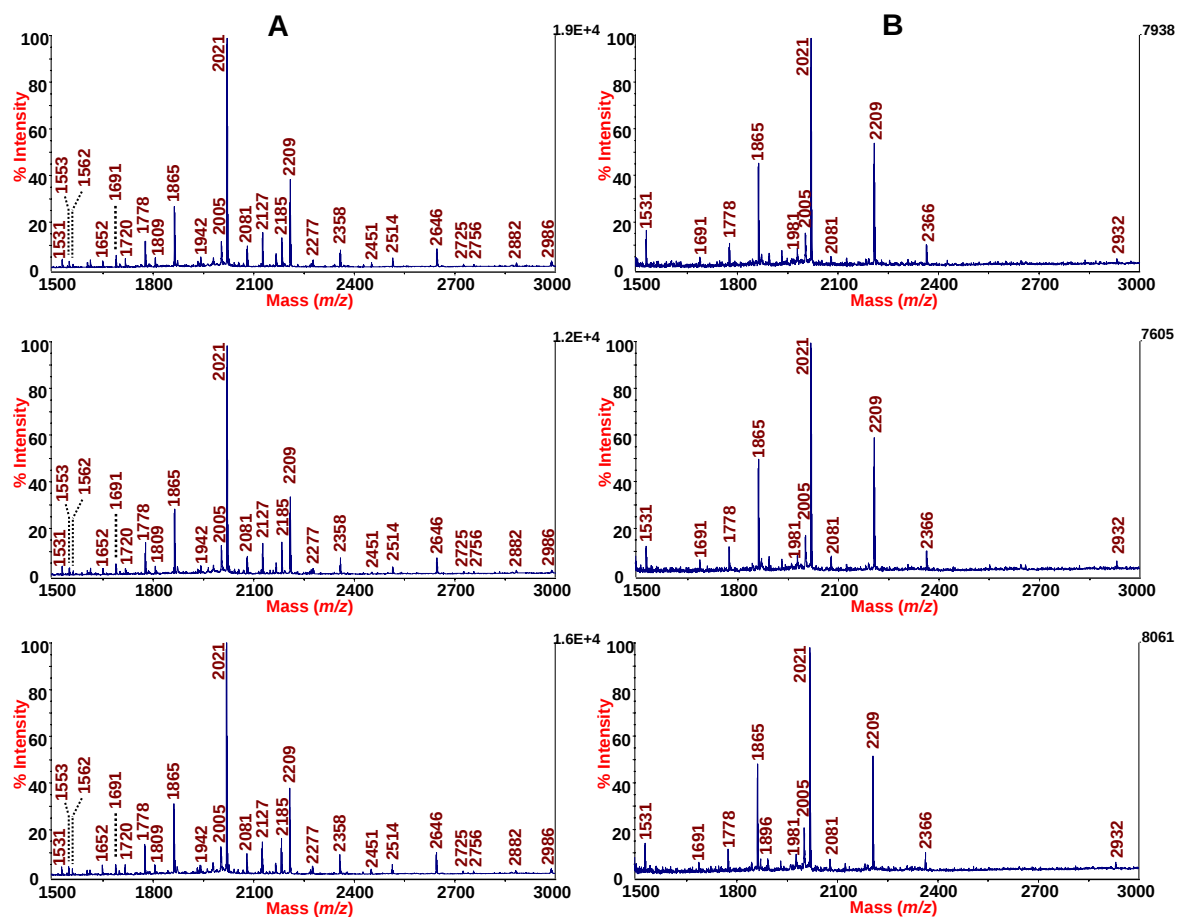


Figure 2. Reproducibility studies on SF peptidome profiling. MALDI-TOF mass spectra replicates of SF were obtained from the same patient after HMS treatment without (column A) and with (column B) the use of HSE. The spectra were acquired in reflector mode using CHCA matrix.

Table 1. Reproducibility assessment for peak height, peak area and S/N in acquired MALDI-TOF mass spectra from three independent experiments with HMS.

Sputum-HMS				SF-HMS				HSE-SF-HMS			
<i>m/z</i>	CV (%) ^{a)} height	CV (%) ^{a)} area	CV (%) ^{a)} S/N	<i>m/z</i>	CV (%) ^{a)} height	CV (%) ^{a)} area	CV (%) ^{a)} S/N	<i>m/z</i>	CV (%) ^{a)} height	CV (%) ^{a)} area	CV (%) ^{a)} S/N
1287	4.34	4.62	7.12	905	6.08	11.98	9.05	905	3.61	13.98	3.82
1335	1.42	3.69	8.66	1450	10.73	7.61	1.22	1061	13.89	11.72	17.44
1434	10.80	4.21	3.98	1531	10.07	10.26	8.89	1077	11.43	8.28	19.21
1563	15.60	15.45	16.47	1553	2.86	11.86	13.00	1212	15.24	9.57	3.81
1620	10.26	17.28	0.34	1562	14.84	11.87	17.07	1329	16.52	8.72	22.59
1680	1.82	7.40	13.74	1652	9.71	10.57	11.62	1349	14.96	8.61	13.43
1732	17.96	15.48	14.79	1691	10.31	8.50	1.52	1450	11.95	4.81	9.34
1767	12.18	6.96	1.19	1720	14.03	7.80	14.75	1499	18.72	8.22	23.59
1867	6.02	1.12	9.84	1778	5.15	14.11	5.15	1531	15.01	11.26	12.96
1942	7.42	2.22	1.50	1865	5.07	6.43	6.65	1691	14.25	12.55	1.08
2041	1.94	2.26	3.30	1942	0.51	3.40	2.26	1778	14.20	5.94	0.95
2089	6.85	3.19	4.01	2005	9.19	4.95	6.28	1865	1.63	4.79	7.02
2185	14.24	3.18	17.69	2021	14.95	4.32	13.05	1896	8.61	5.51	16.64
2325	0.34	0.62	12.08	2081	9.23	14.29	0.52	1935	16.47	20.17	17.31
2343	4.63	3.17	5.87	2127	12.88	12.12	10.10	1981	13.80	5.62	14.13
2498	1.70	0.68	9.07	2185	12.49	4.75	15.25	2005	4.87	1.82	14.63
2521	6.11	6.42	2.37	2209	12.74	1.47	14.87	2021	6.73	5.27	6.34
2917	4.26	4.22	1.11	2358	10.73	11.64	14.23	2081	9.47	8.03	6.15
3474	10.18	14.24	10.68	2514	6.30	14.92	8.67	2209	2.94	9.08	10.19
4369	3.36	8.80	6.62	2646	8.51	13.62	8.45	2365	3.54	17.51	11.51

a) Mean percentage coefficient of variation (CV%) calculated from 20 peaks in three independent experiments with HMS. For each experiment the sample was run in triplicate; consequently for each preparation three spectra were acquired resulting in a total of nine MALDI mass spectra. Spectra were acquired in reflector mode in an *m/z* range from 700–5000 using CHCA matrix solution.