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Desalting Large Protein Complexes during Native Electrospray Mass Spectrometry by Addition of Amino Acids in the Working Solution.

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Supplementary Data

Supplementary Table 1 – Native ECD fragments observed analysing BSA from 200mM ammonium acetate (pH 7.0) and 1mM Na

#	m/z	I	z	Mol. Mass	S/N	Assign	PTM
1	712.3842	15717844	2+	1423.7612	3.9		
2	734.3909	19827790	2+	1467.7745	4.8	c12	
3	876.9559	15652970	2+	1752.9044	3.6	c15	
4	941.4771	16099695	2+	1881.947	3.7	c16	
5	983.9909	20818108	2+	1966.9745	4.7		
6	865.1089	12065057	3+	2593.312	2.8	c22	
7	1053.5483	26276030	3+	3158.6305	5.7		
8	1060.8766	22303548	3+	3180.6153	4.8		
9	1082.5603	12946380	3+	3245.6663	2.7		
10	1302.6658	11063015	3+	3905.9828	2.2		
11	5117.9573	29342582	1+	5117.9573	1.5		
12	2278.3903	18213140	4+	9110.5394	2.6		
13	2283.6314	19012412	4+	9131.5038	2.7		
14	2295.131	13198479	4+	9177.5022	1.9		
15	1959.5916	10125535	5+	9793.9287	1.5	z88	2SS

Supplementary Table 2 – Native ECD fragments observed analysing BSA from 200mM ammonium acetate (pH 7.0), 1mM Na, 10mM Serine.

#	m/z	I	z	Mol. Mass (Da)	S/N	Assign	PTM
1	712.3825	26245598	2+	1423.7578	6.5		
2	734.3894	27399240	2+	1467.7715	6.7	c12	
3	876.9537	23760460	2+	1752.9001	5.5	c15	
4	941.4735	25566938	2+	1881.9397	5.8	c16	
5	983.9883	35104652	2+	1966.9694	7.9		
6	1074.5235	19556116	2+	2148.0396	4.1	c18	
7	865.1071	20639400	3+	2593.3066	4.8	c22	
8	898.1285	11653421	3+	2692.3709	2.7	c23	
9	1053.5464	12615184	3+	3158.6246	2.7		
10	4427.7526	25434088	1+	4427.7526	1.8		
11	4438.4552	46889636	1+	4438.4552	3.2		
12	4744.6479	44446432	1+	4744.6479	2.6		
13	4752.5103	30565938	1+	4752.5103	1.8		
14	4764.2478	28664510	1+	4764.2478	1.7		
15	5105.2004	34344000	1+	5105.2004	2		
16	5128.2568	46299964	1+	5128.2568	2.7		
17	6054.8064	36405072	1+	6054.8064	1.9		
18	6645.4058	43883720	1+	6645.4058	2.3		
19	2089.2917	19155014	4+	8354.145	2.9	z76 -4	2SS
20	2179.8397	17776632	4+	8716.337	2.7	z79 -3	2SS
21	1769.6961	12441853	5+	8844.4513	2	z80 -3	2SS
22	4427.7737	49977196	2+	8854.5401	3.4		
23	1772.6962	25400658	5+	8859.452	4.1		
24	2215.8732	13191680	4+	8860.471	1.9		
25	4435.0746	36641592	2+	8869.1419	2.5		
26	2244.1284	14757159	4+	8973.4919	2.2	z81 -3	2SS
27	1818.305	38931180	5+	9087.4957	6.2	z82 -4	2SS
28	2272.8797	38917568	4+	9088.497	5.7	z82 -3	2SS
29	1822.7045	15445817	5+	9109.4831	2.5	z82 +Na	2SS
30	2278.1239	16940930	4+	9109.4831	2.5		
31	4745.1685	57072620	2+	9489.3297	3.3		
32	4754.1458	29845118	2+	9507.2844	1.7		
33	1926.7695	11817565	5+	9629.8183	1.8	z87 -4	2SS
34	1959.3803	30581692	5+	9792.8723	4.7	z88 -4	2SS
35	1979.5884	20714912	5+	9893.9127	3.2	z89 -4	2SS
36	2005.5986	28924328	5+	10023.9639	4.5	z90 -3	2SS
37	2009.9955	11070005	5+	10045.9485	1.7	z90 +Na	2SS
38	5117.5319	62134664	2+	10234.0565	3.6		
39	5531.3402	29906318	2+	11061.6731	1.7		
40	5541.6625	66847676	2+	11082.3176	3.9		
41	6037.3537	31026592	2+	12073.7002	1.7		

42	6051.9861	32841692	2+	12102.9649	1.8
43	4745.9955	42240944	3+	14235.9718	2.4
44	5109.2159	49455204	3+	15325.6333	2.9