

m/z ion	Molecular formula	Reference	OS name	Precursor	[mean] $\mu\text{g m}^{-3}$	mean % PM	mean % OA	mean % OS
154.965582	$\text{C}_2\text{H}_3\text{SO}_6^-$	Surratt et al. (2007)	Glycolic acid sulfate	Glycolic acid	2.97	0.02	0.03	1.6
168.981232	$\text{C}_3\text{H}_5\text{SO}_6^-$	Olson et al. (2011)	Lactic acid sulfate	Lactic acid	13.00	0.07	0.14	5.9
171.012139	$\text{C}_7\text{H}_7\text{SO}_3^-$	Riva et al. (2015)		Aromatics (Benzene and PAHs)	6.00	0.03	0.06	2.7
172.019964	$\text{C}_7\text{H}_8\text{SO}_3^-$	Riva et al. (2015)		Aromatics (Benzene and PAHs)	4.00	0.02	0.04	0.9
184.991403	$\text{C}_7\text{H}_5\text{SO}_4^-$	Riva et al. (2015)		Aromatics (Benzene and PAHs)	24.00	0.12	0.25	12.1
187.007053	$\text{C}_7\text{H}_7\text{SO}_4^-$	Staudt et al. (2014)	Methyl phenyl sulfate	benzene	14.00	0.07	0.15	6.7
199.007053	$\text{C}_8\text{H}_7\text{SO}_4^-$	Riva et al. (2015)		Aromatics (Benzene and PAHs)	5.00	0.03	0.05	2.4
199.999622	$\text{C}_4\text{H}_8\text{SO}_7^-$	Surratt et al. (2007)		2-methylglyceric acid (isoprene)	3.00	0.02	0.03	0.8
201.022703	$\text{C}_8\text{H}_9\text{SO}_4^-$	Staudt et al. (2014)	4 methyl benzyl sulfate	benzene	6.00	0.03	0.06	3.7
211.999622	$\text{C}_5\text{H}_8\text{SO}_7^-$	Surratt et al. (2008)		isoprene	2.00	0.01	0.02	1.3
215.023097	$\text{C}_5\text{H}_{11}\text{SO}_7^-$	Surratt et al. (2010)	IEPOX sulfate	IEPOX	11.00	0.06	0.12	4.5
217.9759	$\text{C}_6\text{H}_4\text{NSO}_6^-$	–	Nitrophenol sulfate	Nitrophenol	1.00	0.01	0.01	0.4
226.015272	$\text{C}_6\text{H}_{10}\text{SO}_7^-$	Boris et al. (2016)	unknown	unknown	30.00	0.16	0.32	15.1
229.017618	$\text{C}_9\text{H}_9\text{SO}_5^-$	Riva et al. (2015)		Aromatics (Benzene and PAHs)	10.00	0.05	0.11	5.0
231.033268	$\text{C}_9\text{H}_{11}\text{SO}_5^-$	Riva et al. (2015)		Aromatics (Benzene and PAHs)	13.00	0.07	0.14	6.7
287.023097	$\text{C}_{11}\text{H}_{11}\text{SO}_7^-$	Riva et al. (2015)		Aromatics (Benzene and PAHs)	40.00	0.21	0.42	20.2
294.065296	$\text{C}_{10}\text{H}_{16}\text{NSO}_7^-$	Surratt et al. (2008)		alpha-Pinene	21.00	0.00	0.22	9.9