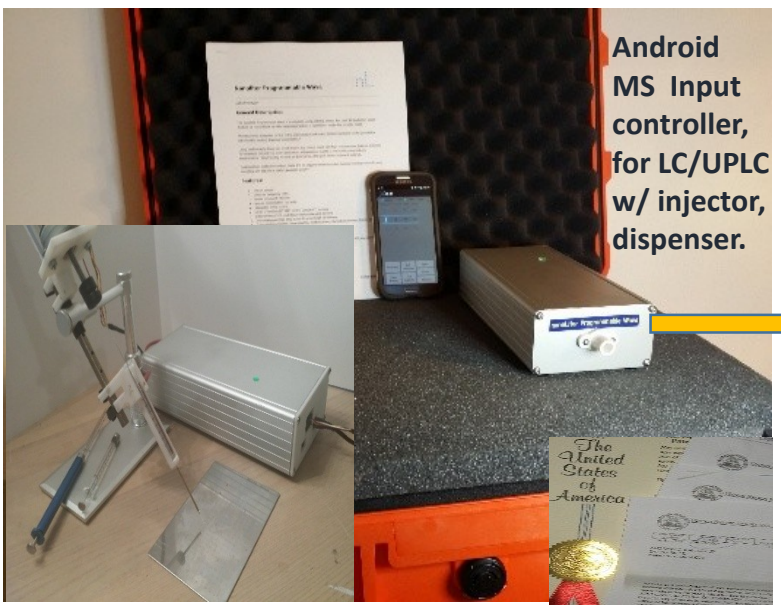


RAPID "ALL IN" INFUSION or "ALL IN" UPLC MS RESEARCH TOOLS. nL COOL WAVE® IBF TECHNOLOGY.

Shoot cells, nanoparticles, whole blood, some glues near to or into your ESI or onto targets. Major (>10x) increase in sensitivity is typical, LITERALLY! We consult, as well.

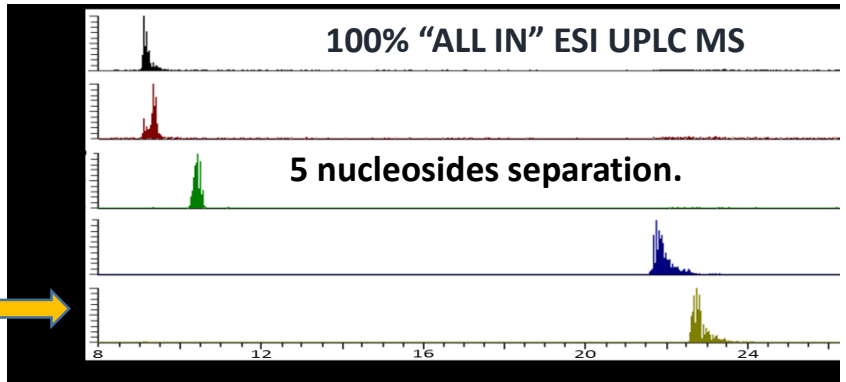
nL Programmable Wave for UPLC MS



Android MS Input controller, for LC/UPLC w/ injector, dispenser.

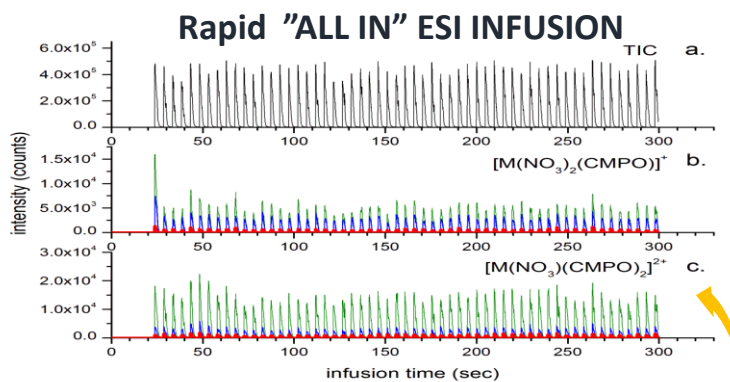
Programmable digital controller, UPLC conx, Go Pro, PC, Monitor, Stage, Phone, case, tips, LED's, Case, Licenses, tools, More. Optional robotic integration.

nL Programmable Wave

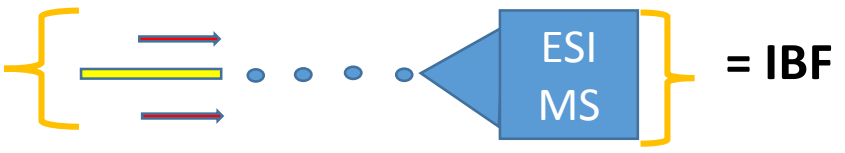


Extracted ion chromatograms of nucleosides, +eV, cytidine, uridine, 5-methyluridine, adenosine, and 2'-O-methyladenosine separated on a PGC capillary column and introduced into the mass spectrometer by inductive charging. 40 min run. Asilomar 2016, & ASMS 2017. Also see JMS Oct. 2015, Drs. Ross & Limbach et al., U Cinn.,

nL Cool Wave®

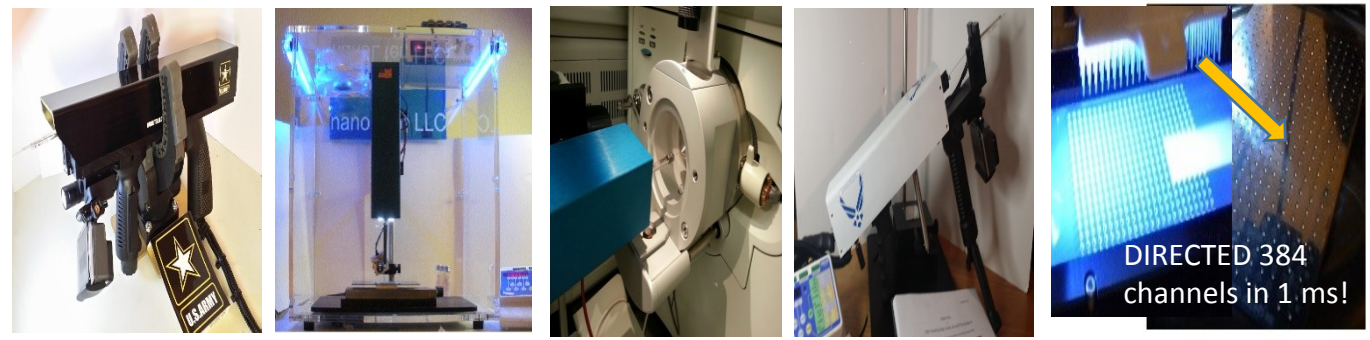


a. Total ion current. b. $[M(NO_3)_2(CMPO)]^+$. c. $[M(NO_3)(CMPO)_2]^{2+}$. Blue = Ce^{3+} , Green = Tb^{3+} , Red = Lu^{3+} . $M(NO_3)(CMPO)_2^{2+}$. Blue = Ce^{3+} , Green = Tb^{3+} , Red = Lu^{3+} .

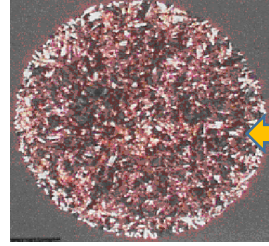


nanoliter Cool Wave Dispensers. ESI & MALDI from the SAME nL device!

nL's US Army APG X1, nL Cool Wave I, DOE's Rad Tool, Air Force nLD, 384 Roche IBF nL robo dispenser.



Makes Excellent MALDI Crystals!



100% ONTO!

100% INTO ESI Infusion!