Instrument Tuning Report

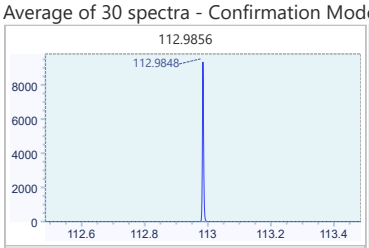
9/10/2024 11:07 AM

Instrument Name:	ZenoTOF™ 7600 System	**Manufacturer:**	AB Sciex
Instrument Model:	ZenoTOF 7600 System	**Target Instrument:**	ZenoTOF 7600 System
Ion Source:	OptiFlow 50-200µL Micro/MicroCal	**Optimization Set:**	Negative Quick Status Check
Serial Number:	FB24962403		

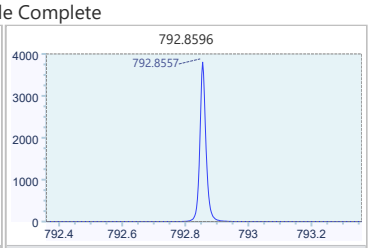
1. Negative MS Check

Step	Result	Details
Achieve Stable Spray / Modify	**Pass**	Slope: 0.000489981816387641, previous was 0.000489981816387641 Delay: -13.5880122297166, previous was -13.5880122297166

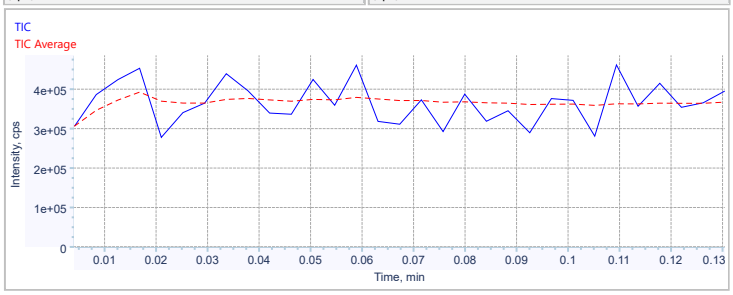
Average of 30 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	112.8856	113.0856	112.9848	Pass
Sum Intensity (cps)	1000	1e+11	40126	Pass

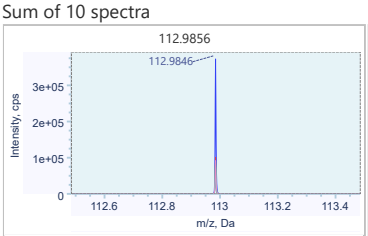


Item	Min	Max	Actual	Status
Mass (Da)	792.7596	792.9596	792.8557	Pass
Sum Intensity (cps)	1000	1e+11	31089	Pass

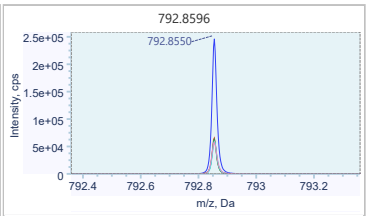


Channel Alignment	**Pass**

Sum of 10 spectra



Item	Min	Max	Actual	Status
Mass (Da)	112.7356	113.2356	112.9846	Pass
Resolution	0	100000	34909	Pass
Sum Intensity (cps)	0	1e+11	1.3277e+06	Pass



Item	Min	Max	Actual	Status
Mass (Da)	792.6096	793.1096	792.855	Pass
Resolution	0	100000	44385	Pass
Sum Intensity (cps)	0	1e+11	1.9298e+06	Pass

Align to channel: 2 Result: Pass

Item	Min	Max	Initial	Actual	Status
Channel 1 vs. 2 Slope	-50	50	0.037243019	0.039439446	Pass
Channel 1 vs. 2 Intercept	-50	50	-10.059662371	-10.325723086	Pass
Channel 3 vs. 2 Slope	-50	50	-0.100170143	-0.098559883	Pass
Channel 3 vs. 2 Intercept	-50	50	-4.237146866	-4.591876019	Pass
Channel 4 vs. 2 Slope	-50	50	-0.260238406	-0.258449241	Pass
Channel 4 vs. 2 Intercept	-50	50	7.572741476	7.095849877	Pass

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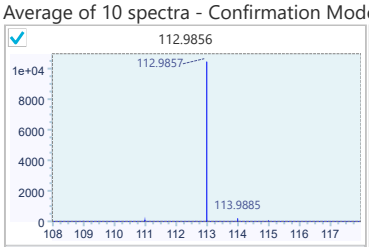
Instrument Model:	ZenoTOF 7600 System	**Target Instrument:**	ZenoTOF 7600 System
Ion Source:	OptiFlow 50-200µL Micro/MicroCal	**Optimization Set:**	Negative Quick Status Check
Serial Number:	FB24962403		

TOF MS Mass Check

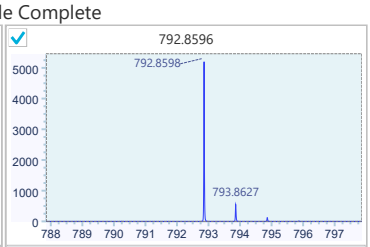
Pass

Slope: 0.000489982501683296, previous was 0.000489981816387641
Delay: -13.5888724244004, previous was -13.5880122297166

Average of 10 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	112.8856	113.0856	112.9857	Pass
Resolution	21000	100000	27731	Pass
Sum Intensity (cps)	1000	1e+11	46056	Pass
Error (ppm)	-2.00	2.00	0.83366	Pass



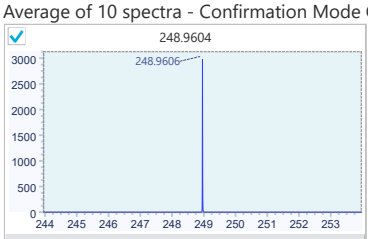
Item	Min	Max	Actual	Status
Mass (Da)	792.7596	792.9596	792.8598	Pass
Resolution	26000	100000	41527	Pass
Sum Intensity (cps)	1000	1e+11	42267	Pass
Error (ppm)	-2.00	2.00	0.25578	Pass

TOF MS/MS Mass Check

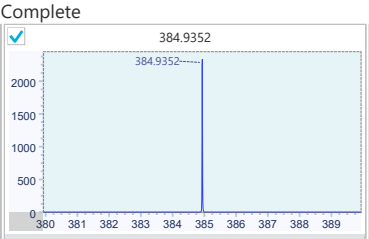
Pass

Slope: 0.000489981123283425, previous was 0.000489980320682435
Delay: -13.684879475171, previous was -13.6787985214466

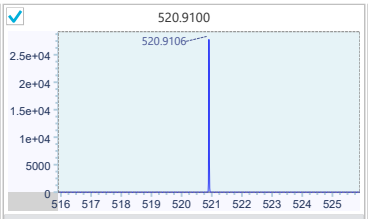
Average of 10 spectra - Confirmation Mode Complete



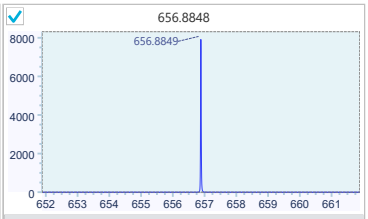
Item	Min	Max	Actual	Status
Mass (Da)	248.8604	249.0604	248.9606	Pass
Resolution	22000	100000	28614	Pass
Sum Intensity (cps)	100	1e+11	19416	Pass
Error (ppm)	-2.00	2.00	0.6874	Pass



Item	Min	Max	Actual	Status
Mass (Da)	384.8352	385.0352	384.9352	Pass
Resolution	24000	100000	28825	Pass
Sum Intensity (cps)	100	1e+11	19063	Pass
Error (ppm)	-2.00	2.00	-0.07622	Pass



Item	Min	Max	Actual	Status
Mass (Da)	520.8100	521.0100	520.9106	Pass
Resolution	25000	100000	34166	Pass
Sum Intensity (cps)	100	1e+11	2.1109e+05	Pass
Error (ppm)	-2.00	2.00	1.23139	Pass



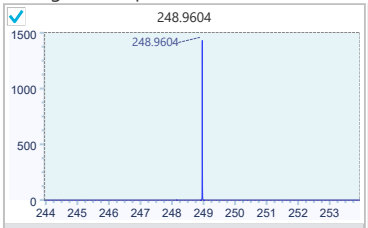
Item	Min	Max	Actual	Status
Mass (Da)	656.7848	656.9848	656.8849	Pass
Resolution	26000	100000	32335	Pass
Sum Intensity (cps)	100	1e+11	75104	Pass
Error (ppm)	-2.00	2.00	0.12424	Pass

TOF MS/MS Mass Check Zeno On

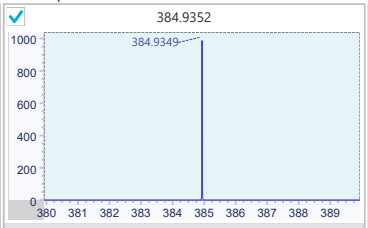
Pass

Slope: 0.000489980772376221, previous was 0.000489980033858822
Delay: -13.6576103675257, previous was -13.6540099212559

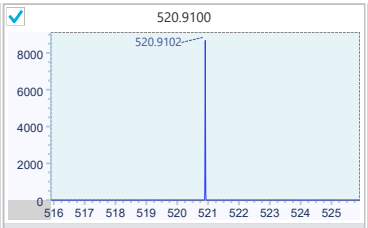
Average of 10 spectra - Confirmation Mode Complete



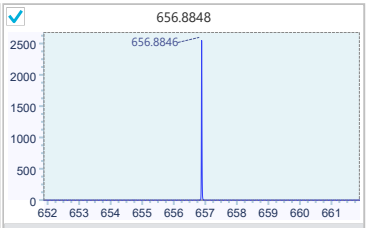
Item	Min	Max	Actual	Status
Mass (Da)	248.8604	249.0604	248.9604	Pass
Resolution	22000	100000	32475	Pass
Sum Intensity (cps)	100	1e+11	8037	Pass
Error (ppm)	-2.00	2.00	0.06898	Pass



Item	Min	Max	Actual	Status
Mass (Da)	384.8352	385.0352	384.9349	Pass
Resolution	24000	100000	35051	Pass
Sum Intensity (cps)	100	1e+11	6579.2	Pass
Error (ppm)	-2.00	2.00	-0.70073	Pass



Item	Min	Max	Actual	Status
Mass (Da)	520.8100	521.0100	520.9102	Pass
Resolution	25000	100000	33386	Pass
Sum Intensity (cps)	100	1e+11	64703	Pass
Error (ppm)	-2.00	2.00	0.45306	Pass



Item	Min	Max	Actual	Status
Mass (Da)	656.7848	656.9848	656.8846	Pass
Resolution	26000	100000	34929	Pass
Sum Intensity (cps)	100	1e+11	21508	Pass
Error (ppm)	-2.00	2.00	-0.3021	Pass