Instrument Tuning Report

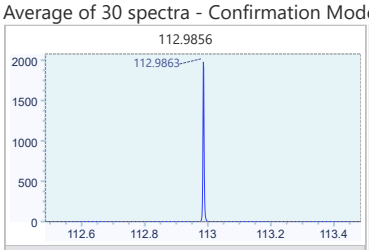
12/10/2024 9:53 AM

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		

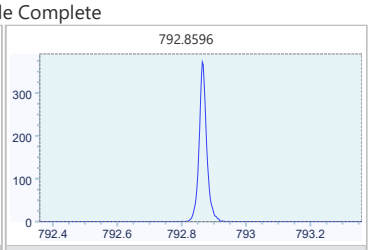
1. Negative MS Check

Step	Result	Details
Achieve Stable Spray / Modify	**Pass**	Slope: 0.00049010928015903, previous was 0.00049010928015903 Delay: -13.6767265604719, previous was -13.6767265604719

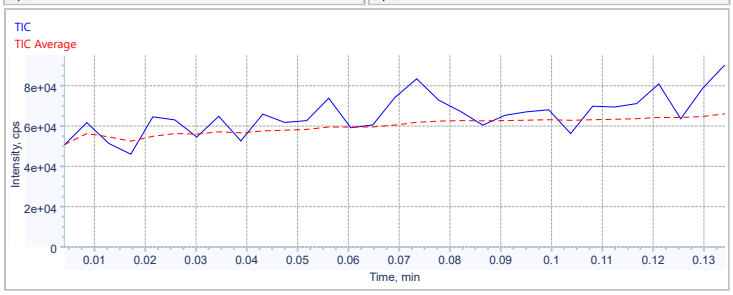
Average of 30 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	112.8856	113.0856	112.9863	Pass
Sum Intensity (cps)	1000	1e+11	8579.2	Pass

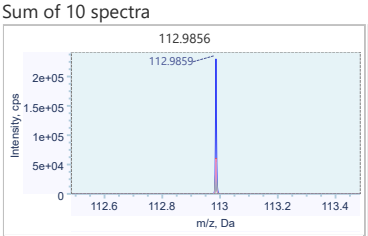


Item	Min	Max	Actual	Status
Mass (Da)	792.7596	792.9596	792.8658	Pass
Sum Intensity (cps)	1000	1e+11	3663.7	Pass

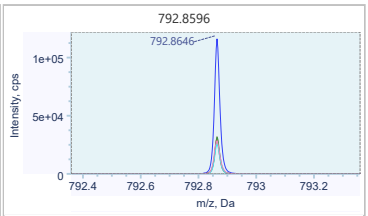


Channel Alignment	**Pass**

Sum of 10 spectra



Item	Min	Max	Actual	Status
Mass (Da)	112.7356	113.2356	112.9859	Pass
Resolution	0	100000	30862	Pass
Sum Intensity (cps)	0	1e+11	9.3517e+05	Pass



Item	Min	Max	Actual	Status
Mass (Da)	792.6096	793.1096	792.8646	Pass
Resolution	0	100000	40029	Pass
Sum Intensity (cps)	0	1e+11	9.8103e+05	Pass

Align to channel: 2 Result: Pass

Item	Min	Max	Initial	Actual	Status
Channel 1 vs. 2 Slope	-50	50	0.038454689	0.036846807	Pass
Channel 1 vs. 2 Intercept	-50	50	-10.480349314	-9.79636417	Pass
Channel 3 vs. 2 Slope	-50	50	-0.10618874	-0.114434048	Pass
Channel 3 vs. 2 Intercept	-50	50	-4.14051827	-3.162202315	Pass
Channel 4 vs. 2 Slope	-50	50	-0.278674906	-0.279411281	Pass
Channel 4 vs. 2 Intercept	-50	50	7.422990235	8.406897337	Pass

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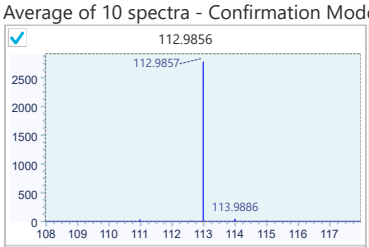
Instrument Model:	ZenoTOF 7600 System	**Target Instrument:**	ZenoTOF 7600 System
Ion Source:	OptiFlow 50-200µL Micro/MicroCal	**Optimization Set:**	Negative Quick Status Check
Serial Number:	FB24962403		

TOF MS Mass Check

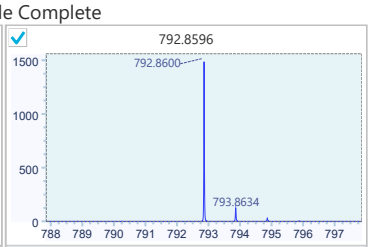
Pass

Slope: 0.000490107350788472, previous was 0.00049010928015903
Delay: -13.6746780608606, previous was -13.6767265604719

Average of 10 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	112.8856	113.0856	112.9857	Pass
Resolution	21000	100000	30178	Pass
Sum Intensity (cps)	1000	1e+11	11461	Pass
Error (ppm)	-2.00	2.00	1.29686	Pass



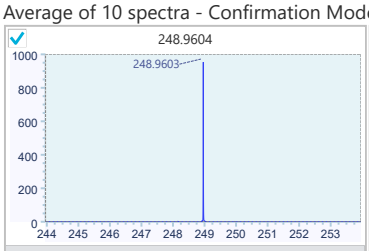
Item	Min	Max	Actual	Status
Mass (Da)	792.7596	792.9596	792.8600	Pass
Resolution	26000	100000	41395	Pass
Sum Intensity (cps)	1000	1e+11	12282	Pass
Error (ppm)	-2.00	2.00	0.54256	Pass

TOF MS/MS Mass Check

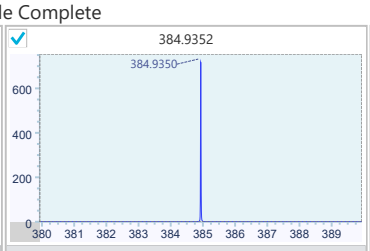
Pass

Slope: 0.00049010626369722, previous was 0.00049010854690111
Delay: -13.6868509569097, previous was -13.6906165990832

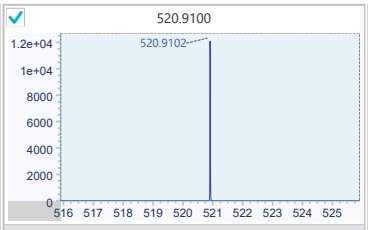
Average of 10 spectra - Confirmation Mode Complete



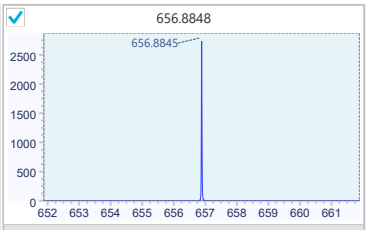
Item	Min	Max	Actual	Status
Mass (Da)	248.8604	249.0604	248.9603	Pass
Resolution	22000	100000	27456	Pass
Sum Intensity (cps)	100	1e+11	6519.7	Pass
Error (ppm)	-2.00	2.00	-0.35536	Pass



Item	Min	Max	Actual	Status
Mass (Da)	384.8352	385.0352	384.9350	Pass
Resolution	24000	100000	27090	Pass
Sum Intensity (cps)	100	1e+11	6235.3	Pass
Error (ppm)	-2.00	2.00	-0.56345	Pass



Item	Min	Max	Actual	Status
Mass (Da)	520.8100	521.0100	520.9102	Pass
Resolution	25000	100000	41578	Pass
Sum Intensity (cps)	100	1e+11	78224	Pass
Error (ppm)	-2.00	2.00	0.29716	Pass



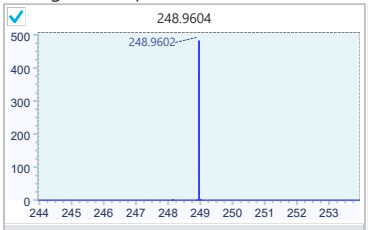
Item	Min	Max	Actual	Status
Mass (Da)	656.7848	656.9848	656.8845	Pass
Resolution	26000	100000	32118	Pass
Sum Intensity (cps)	100	1e+11	26106	Pass
Error (ppm)	-2.00	2.00	-0.43405	Pass

TOF MS/MS Mass Check Zeno On

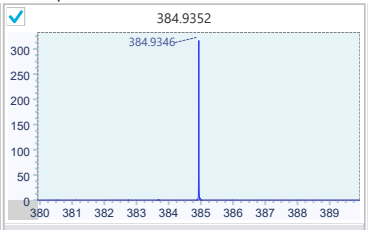
Pass

Slope: 0.00049010599879068, previous was 0.000490107989612319
Delay: -13.6601884668873, previous was -13.6682480520645

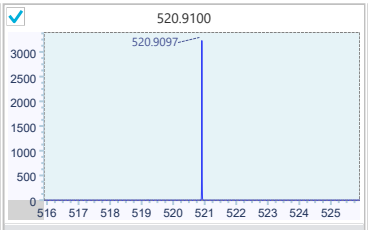
Average of 10 spectra - Confirmation Mode Complete



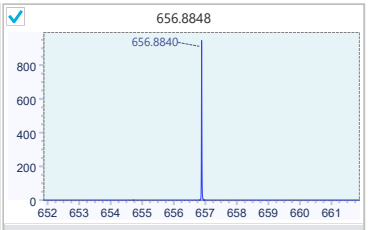
Item	Min	Max	Actual	Status
Mass (Da)	248.8604	249.0604	248.9602	Pass
Resolution	22000	100000	36794	Pass
Sum Intensity (cps)	100	1e+11	2475.8	Pass
Error (ppm)	-2.00	2.00	-0.8905	Pass



Item	Min	Max	Actual	Status
Mass (Da)	384.8352	385.0352	384.9346	Pass
Resolution	24000	100000	37691	Pass
Sum Intensity (cps)	100	1e+11	2034	Pass
Error (ppm)	-2.00	2.00	-1.52265	Pass



Item	Min	Max	Actual	Status
Mass (Da)	520.8100	521.0100	520.9097	Pass
Resolution	25000	100000	39675	Pass
Sum Intensity (cps)	100	1e+11	20863	Pass
Error (ppm)	-2.00	2.00	-0.53346	Pass



Item	Min	Max	Actual	Status
Mass (Da)	656.7848	656.9848	656.8840	Pass
Resolution	26000	100000	43050	Pass
Sum Intensity (cps)	100	1e+11	6728.9	Pass
Error (ppm)	-2.00	2.00	-1.29281	Pass