Instrument Tuning Report

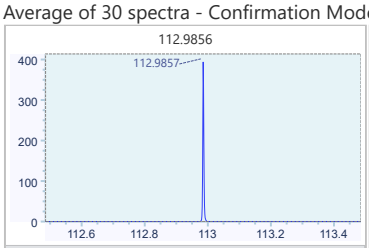
12/9/2024 7:56 AM

Instrument Name:	ZenoTOF™ 7600 System LC200	**Manufacturer:**	AB Sciex
Instrument Model:	ZenoTOF 7600 System	**Target Instrument:**	ZenoTOF 7600 System
Ion Source:	OptiFlow 1-50µL Micro/MicroCal	**Optimization Set:**	Negative Quick Status Check
Serial Number:	FB24962403		

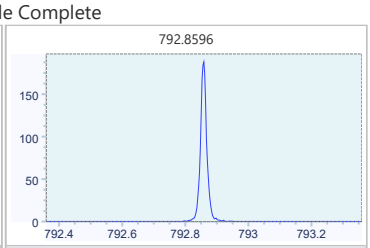
1. Negative MS Check

Step	Result	Details
Achieve Stable Spray / Modify	**Pass**	Slope: 0.000490105909223977, previous was 0.000490105909223977 Delay: -13.676440662667, previous was -13.676440662667

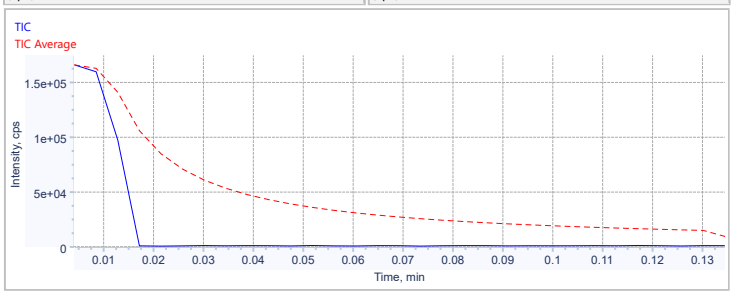
Average of 30 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	112.8856	113.0856	112.9857	Pass
Sum Intensity (cps)	1000	1e+11	1542.7	Pass



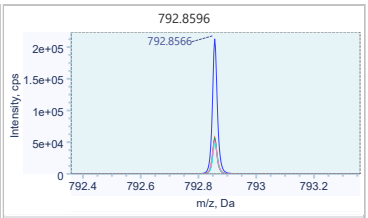
Item	Min	Max	Actual	Status
Mass (Da)	792.7596	792.9596	792.8579	Pass
Sum Intensity (cps)	1000	1e+11	1608.5	Pass



Step	Result
Channel Alignment	**Pass**

Sum of 10 spectra

Item	Min	Max	Actual	Status
Mass (Da)	112.7356	113.2356	112.9852	Pass
Resolution	0	100000	31829	Pass
Sum Intensity (cps)	0	1e+11	1.1099e+06	Pass



Item	Min	Max	Actual	Status
Mass (Da)	792.6096	793.1096	792.8566	Pass
Resolution	0	100000	45634	Pass
Sum Intensity (cps)	0	1e+11	1.6003e+06	Pass

Align to channel: 2 Result: Pass

Item	Min	Max	Initial	Actual	Status
Channel 1 vs. 2 Slope	-50	50	0.036142836	0.041106914	Pass
Channel 1 vs. 2 Intercept	-50	50	-10.453928747	-10.187975577	Pass
Channel 3 vs. 2 Slope	-50	50	-0.107827433	-0.108238387	Pass
Channel 3 vs. 2 Intercept	-50	50	-3.874337852	-4.131409058	Pass
Channel 4 vs. 2 Slope	-50	50	-0.276638395	-0.28386868	Pass
Channel 4 vs. 2 Intercept	-50	50	7.595969771	8.518158149	Pass

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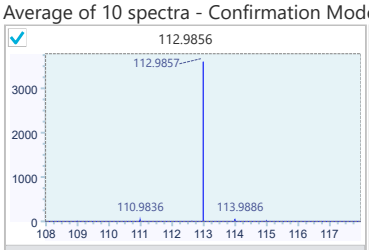
Instrument Model:	ZenoTOF 7600 System	**Target Instrument:**	ZenoTOF 7600 System
Ion Source:	OptiFlow 1-50µL Micro/MicroCal	**Optimization Set:**	Negative Quick Status Check
Serial Number:	FB24962403		

TOF MS Mass Check

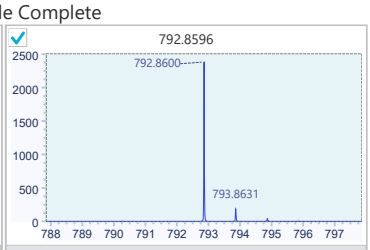
Pass

Slope: 0.000490106761510293, previous was 0.000490105909223977
Delay: -13.6341609933465, previous was -13.676440662667

Average of 10 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	112.8856	113.0856	112.9857	Pass
Resolution	21000	100000	31570	Pass
Sum Intensity (cps)	1000	1e+11	14220	Pass
Error (ppm)	-2.00	2.00	0.57737	Pass



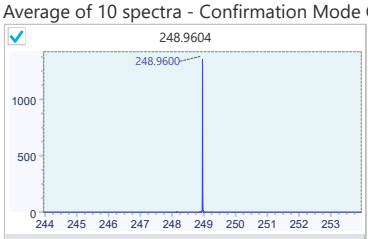
Item	Min	Max	Actual	Status
Mass (Da)	792.7596	792.9596	792.8600	Pass
Resolution	26000	100000	44467	Pass
Sum Intensity (cps)	1000	1e+11	18448	Pass
Error (ppm)	-2.00	2.00	0.44503	Pass

TOF MS/MS Mass Check

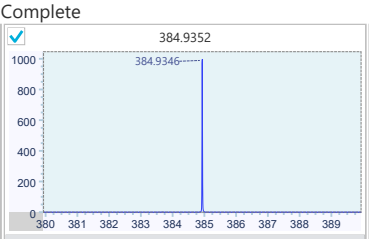
Pass

Slope: 0.000490105582928562, previous was 0.00049010525770589
Delay: -13.6996891650513, previous was -13.6956211778762

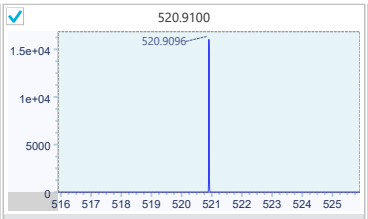
Average of 10 spectra - Confirmation Mode Complete



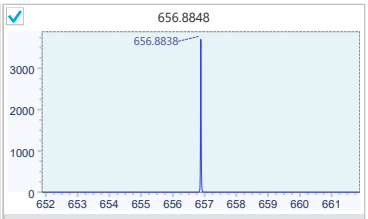
Item	Min	Max	Actual	Status
Mass (Da)	248.8604	249.0604	248.9600	Pass
Resolution	22000	100000	28510	Pass
Sum Intensity (cps)	100	1e+11	8948.3	Pass
Error (ppm)	-2.00	2.00	-1.47215	Pass



Item	Min	Max	Actual	Status
Mass (Da)	384.8352	385.0352	384.9346	Pass
Resolution	24000	100000	27714	Pass
Sum Intensity (cps)	100	1e+11	8428.5	Pass
Error (ppm)	-2.00	2.00	-1.54741	Pass



Item	Min	Max	Actual	Status
Mass (Da)	520.8100	521.0100	520.9096	Pass
Resolution	25000	100000	42458	Pass
Sum Intensity (cps)	100	1e+11	1.0054e+05	Pass
Error (ppm)	-2.00	2.00	-0.7615	Pass



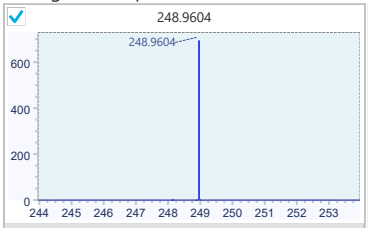
Item	Min	Max	Actual	Status
Mass (Da)	656.7848	656.9848	656.8838	Pass
Resolution	26000	100000	33618	Pass
Sum Intensity (cps)	100	1e+11	33727	Pass
Error (ppm)	-2.00	2.00	-1.50914	Pass

TOF MS/MS Mass Check Zeno On

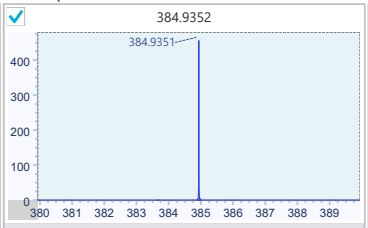
Pass

Slope: 0.000490105758650518, previous was 0.0004901047194579
Delay: -13.6662436888, previous was -13.6915052310959

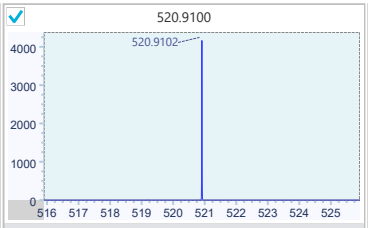
Average of 10 spectra - Confirmation Mode Complete



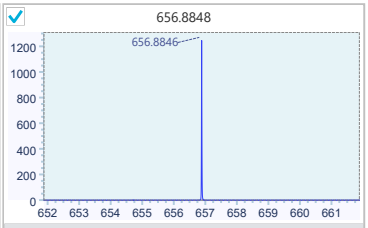
Item	Min	Max	Actual	Status
Mass (Da)	248.8604	249.0604	248.9604	Pass
Resolution	22000	100000	37800	Pass
Sum Intensity (cps)	100	1e+11	3443.7	Pass
Error (ppm)	-2.00	2.00	-0.05445	Pass



Item	Min	Max	Actual	Status
Mass (Da)	384.8352	385.0352	384.9351	Pass
Resolution	24000	100000	39612	Pass
Sum Intensity (cps)	100	1e+11	2743.3	Pass
Error (ppm)	-2.00	2.00	-0.19588	Pass



Item	Min	Max	Actual	Status
Mass (Da)	520.8100	521.0100	520.9102	Pass
Resolution	25000	100000	38945	Pass
Sum Intensity (cps)	100	1e+11	27344	Pass
Error (ppm)	-2.00	2.00	0.45139	Pass



Item	Min	Max	Actual	Status
Mass (Da)	656.7848	656.9848	656.8846	Pass
Resolution	26000	100000	43014	Pass
Sum Intensity (cps)	100	1e+11	8809.7	Pass
Error (ppm)	-2.00	2.00	-0.23886	Pass