Instrument Tuning Report

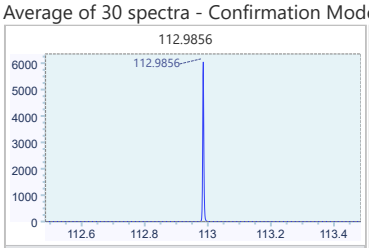
10/8/2024 9:00 AM

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		

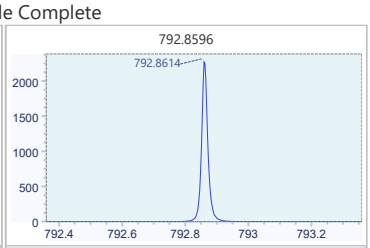
1. Negative MS Check

Step	Result	Details
Achieve Stable Spray / Modify	**Pass**	Slope: 0.000490007055250039, previous was 0.00049000705525003 9 Delay: -13.5923578824717, previous was -13.5923578824717

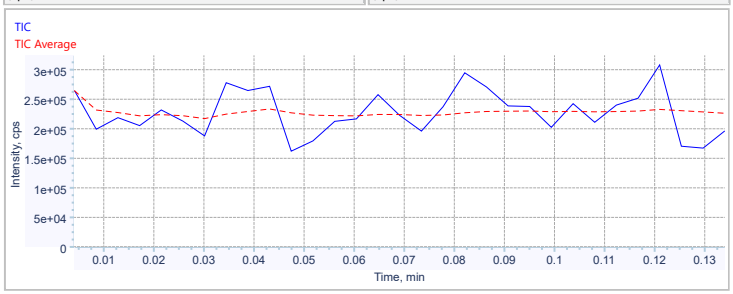
Average of 30 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	112.8856	113.0856	112.9856	Pass
Sum Intensity (cps)	1000	1e+11	24956	Pass

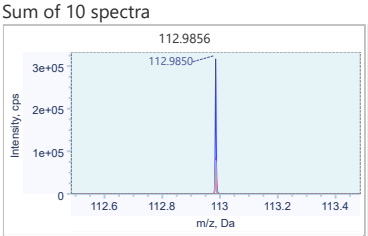


Item	Min	Max	Actual	Status
Mass (Da)	792.7596	792.9596	792.8614	Pass
Sum Intensity (cps)	1000	1e+11	19343	Pass

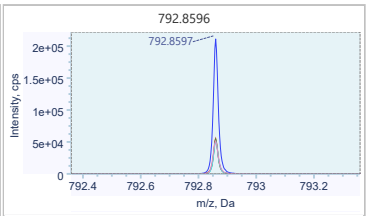


Step	Result
Channel Alignment	**Pass**

Sum of 10 spectra



Item	Min	Max	Actual	Status
Mass (Da)	112.7356	113.2356	112.985	Pass
Resolution	0	100000	33299	Pass
Sum Intensity (cps)	0	1e+11	1.2022e+06	Pass



Item	Min	Max	Actual	Status
Mass (Da)	792.6096	793.1096	792.8597	Pass
Resolution	0	100000	43850	Pass
Sum Intensity (cps)	0	1e+11	1.6734e+06	Pass

Align to channel: 2 Result: Pass

Item	Min	Max	Initial	Actual	Status
Channel 1 vs. 2 Slope	-50	50	0.039563902	0.040305327	Pass
Channel 1 vs. 2 Intercept	-50	50	-9.939178254	-10.13351231	Pass
Channel 3 vs. 2 Slope	-50	50	-0.110192506	-0.113406466	Pass
Channel 3 vs. 2 Intercept	-50	50	-3.78844689	-3.436932513	Pass
Channel 4 vs. 2 Slope	-50	50	-0.279746865	-0.278885754	Pass
Channel 4 vs. 2 Intercept	-50	50	8.108148174	7.926556251	Pass

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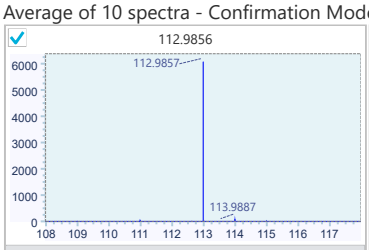
Instrument Name:	ZenoTOF™ 7600 System	**Manufacturer:**	AB Sciex
Instrument Model:	ZenoTOF 7600 System	**Target Instrument:**	ZenoTOF 7600 System
Ion Source:	OptiFlow 50-200µL Micro/MicroCal	**Optimization Set:**	Negative Quick Status Check
Serial Number:	FB24962403		

TOF MS Mass Check

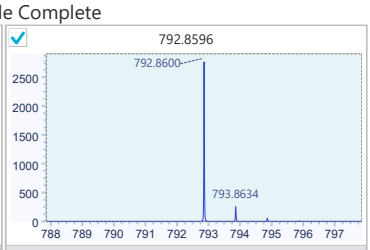
Pass

Slope: 0.000490006061144034, previous was 0.000490007055250039
Delay: -13.5917812909534, previous was -13.5923578824717

Average of 10 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	112.8856	113.0856	112.9857	Pass
Resolution	21000	100000	29611	Pass
Sum Intensity (cps)	1000	1e+11	25250	Pass
Error (ppm)	-2.00	2.00	1.27473	Pass



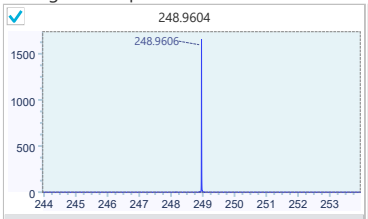
Item	Min	Max	Actual	Status
Mass (Da)	792.7596	792.9596	792.8600	Pass
Resolution	26000	100000	41810	Pass
Sum Intensity (cps)	1000	1e+11	22890	Pass
Error (ppm)	-2.00	2.00	0.53807	Pass

TOF MS/MS Mass Check

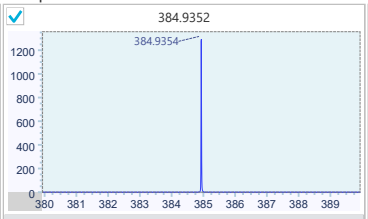
Pass

Slope: 0.000490004976083629, previous was 0.000490005797420302
Delay: -13.6708964026432, previous was -13.6807293681015

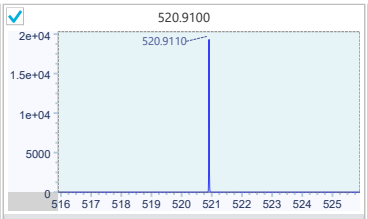
Average of 10 spectra - Confirmation Mode Complete



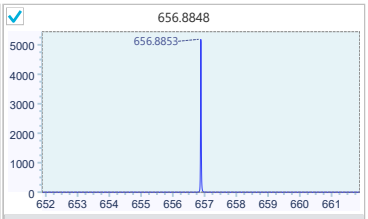
Item	Min	Max	Actual	Status
Mass (Da)	248.8604	249.0604	248.9606	Pass
Resolution	22000	100000	27442	Pass
Sum Intensity (cps)	100	1e+11	11404	Pass
Error (ppm)	-2.00	2.00	0.86511	Pass



Item	Min	Max	Actual	Status
Mass (Da)	384.8352	385.0352	384.9354	Pass
Resolution	24000	100000	27310	Pass
Sum Intensity (cps)	100	1e+11	11305	Pass
Error (ppm)	-2.00	2.00	0.46249	Pass



Item	Min	Max	Actual	Status
Mass (Da)	520.8100	521.0100	520.9110	Pass
Resolution	25000	100000	36825	Pass
Sum Intensity (cps)	100	1e+11	1.3998e+05	Pass
Error (ppm)	-2.00	2.00	1.85504	Pass



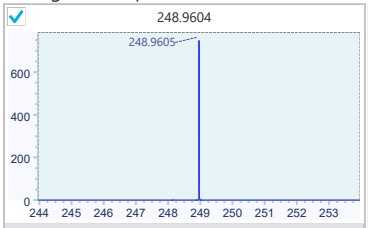
Item	Min	Max	Actual	Status
Mass (Da)	656.7848	656.9848	656.8853	Pass
Resolution	26000	100000	32266	Pass
Sum Intensity (cps)	100	1e+11	49600	Pass
Error (ppm)	-2.00	2.00	0.74424	Pass

TOF MS/MS Mass Check Zeno On

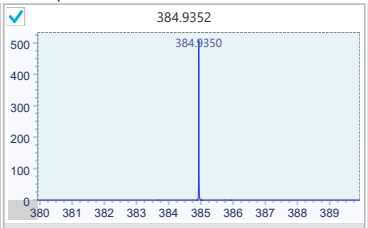
Pass

Slope: 0.000490004611772901, previous was 0.000490005377863692
Delay: -13.634454984552, previous was -13.6760491653842

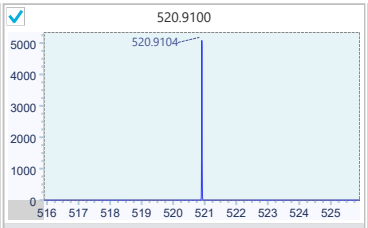
Average of 10 spectra - Confirmation Mode Complete



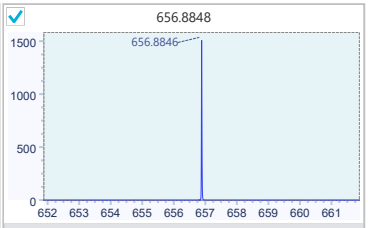
Item	Min	Max	Actual	Status
Mass (Da)	248.8604	249.0604	248.9605	Pass
Resolution	22000	100000	34209	Pass
Sum Intensity (cps)	100	1e+11	4124.5	Pass
Error (ppm)	-2.00	2.00	0.23791	Pass



Item	Min	Max	Actual	Status
Mass (Da)	384.8352	385.0352	384.9350	Pass
Resolution	24000	100000	35124	Pass
Sum Intensity (cps)	100	1e+11	3452.7	Pass
Error (ppm)	-2.00	2.00	-0.54101	Pass



Item	Min	Max	Actual	Status
Mass (Da)	520.8100	521.0100	520.9104	Pass
Resolution	25000	100000	34568	Pass
Sum Intensity (cps)	100	1e+11	36871	Pass
Error (ppm)	-2.00	2.00	0.81343	Pass



Item	Min	Max	Actual	Status
Mass (Da)	656.7848	656.9848	656.8846	Pass
Resolution	26000	100000	36905	Pass
Sum Intensity (cps)	100	1e+11	12238	Pass
Error (ppm)	-2.00	2.00	-0.30552	Pass