Instrument Tuning Report

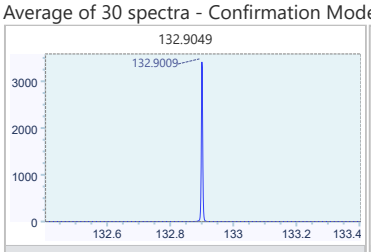
10/24/2024 1:27 PM

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:**	Positive Quick Status Check
Serial Number:	FB24962403		

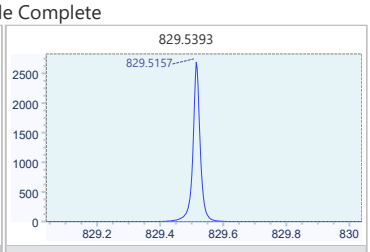
1. Positive MS Check

Step	Result	Details
Achieve Stable Spray / Modify	**Pass**	Slope: 0.000490096317608319, previous was 0.000490096317608319 Delay: -13.402024534697, previous was -13.402024534697

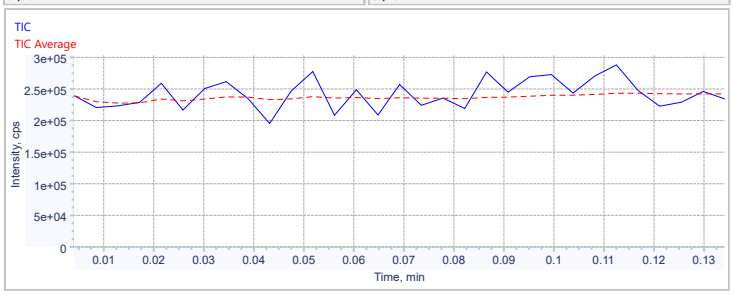
Average of 30 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	132.8049	133.0049	132.9009	Pass
Sum Intensity (cps)	1000	1e+11	15642	Pass

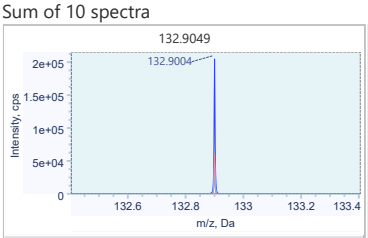


Item	Min	Max	Actual	Status
Mass (Da)	829.4393	829.6393	829.5157	Pass
Sum Intensity (cps)	1000	1e+11	25643	Pass

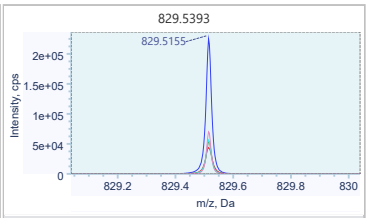


Channel Alignment **Pass**

Sum of 10 spectra



Item	Min	Max	Actual	Status
Mass (Da)	132.6549	133.1549	132.9004	Pass
Resolution	0	100000	36757	Pass
Sum Intensity (cps)	0	1e+11	8.0573e+05	Pass



Item	Min	Max	Actual	Status
Mass (Da)	829.2893	829.7893	829.5155	Pass
Resolution	0	100000	40723	Pass
Sum Intensity (cps)	0	1e+11	2.0596e+06	Pass

Align to channel: 2 Result: Pass

Item	Min	Max	Initial	Actual	Status
Channel 1 vs. 2 Slope	-50	50	-0.125210413	-0.126227253	Pass
Channel 1 vs. 2 Intercept	-50	50	-9.672716305	-10.542220504	Pass
Channel 3 vs. 2 Slope	-50	50	0.066694965	0.072590348	Pass
Channel 3 vs. 2 Intercept	-50	50	-3.049471349	-3.631603363	Pass
Channel 4 vs. 2 Slope	-50	50	0.104540751	0.116171189	Pass
Channel 4 vs. 2 Intercept	-50	50	10.737055139	9.272105403	Pass

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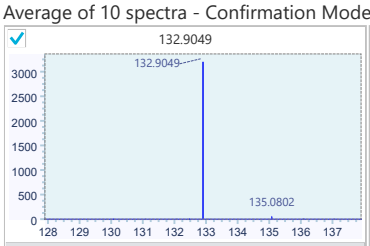
Instrument Model:	ZenoTOF 7600 System	**Target Instrument:**	ZenoTOF 7600 System
Ion Source:	OptiFlow 50-200µL Micro/MicroCal	**Optimization Set:**	Positive Quick Status Check
Serial Number:	FB24962403		

TOF MS Mass Check

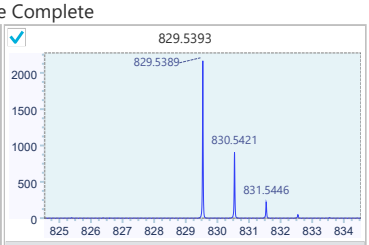
Pass

Slope: 0.000490102425189461, previous was 0.000490096317608319
Delay: -13.46034855723, previous was -13.402024534697

Average of 10 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	132.8049	133.0049	132.9049	Pass
Resolution	21000	100000	28780	Pass
Sum Intensity (cps)	1000	1e+11	14983	Pass
Error (ppm)	-2.00	2.00	-0.09487	Pass



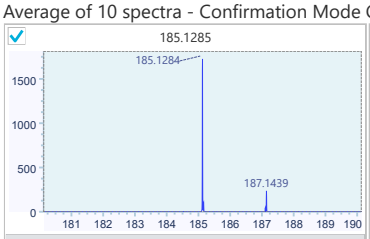
Item	Min	Max	Actual	Status
Mass (Da)	829.4393	829.6393	829.5389	Pass
Resolution	29000	100000	37617	Pass
Sum Intensity (cps)	1000	1e+11	21051	Pass
Error (ppm)	-2.00	2.00	-0.4227	Pass

TOF MS/MS Mass Check

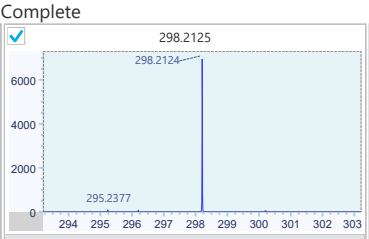
Pass

Slope: 0.000490101678289791, previous was 0.000490097189405935
Delay: -13.4777224599844, previous was -13.4175481525467

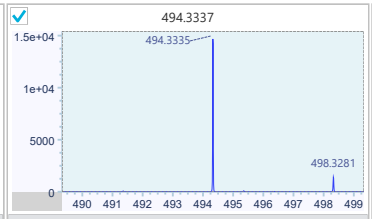
Average of 10 spectra - Confirmation Mode Complete



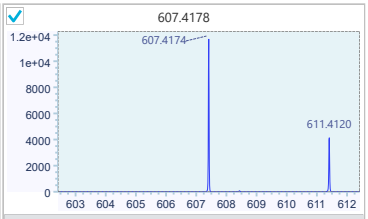
Item	Min	Max	Actual	Status
Mass (Da)	185.0285	185.2285	185.1284	Pass
Resolution	21000	100000	25638	Pass
Sum Intensity (cps)	100	1e+11	11268	Pass
Error (ppm)	-2.00	2.00	-0.78418	Pass



Item	Min	Max	Actual	Status
Mass (Da)	298.1125	298.3125	298.2124	Pass
Resolution	22000	100000	31316	Pass
Sum Intensity (cps)	100	1e+11	47335	Pass
Error (ppm)	-2.00	2.00	-0.17122	Pass



Item	Min	Max	Actual	Status
Mass (Da)	494.2337	494.4337	494.3335	Pass
Resolution	25000	100000	33722	Pass
Sum Intensity (cps)	100	1e+11	1.1597e+05	Pass
Error (ppm)	-2.00	2.00	-0.40975	Pass



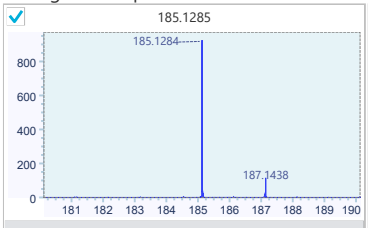
Item	Min	Max	Actual	Status
Mass (Da)	607.3178	607.5178	607.4174	Pass
Resolution	26000	100000	32655	Pass
Sum Intensity (cps)	100	1e+11	1.0738e+05	Pass
Error (ppm)	-2.00	2.00	-0.69648	Pass

TOF MS/MS Mass Check Zeno On

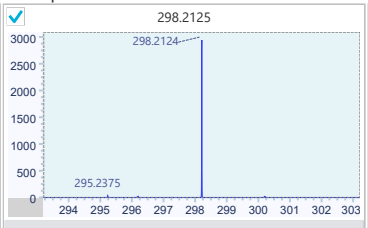
Pass

Slope: 0.000490102702566802, previous was 0.000490098021663778
Delay: -13.4605135351005, previous was -13.4296759181009

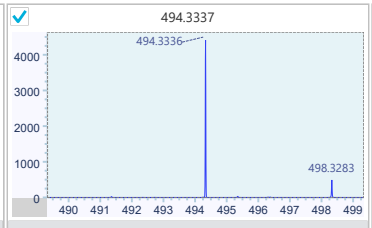
Average of 10 spectra - Confirmation Mode Complete



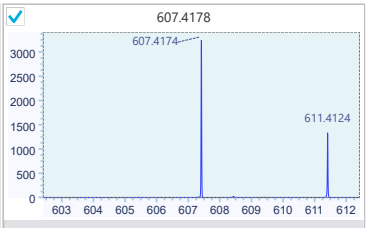
Item	Min	Max	Actual	Status
Mass (Da)	185.0285	185.2285	185.1284	Pass
Resolution	21000	100000	28539	Pass
Sum Intensity (cps)	100	1e+11	5530.1	Pass
Error (ppm)	-2.00	2.00	-0.28655	Pass



Item	Min	Max	Actual	Status
Mass (Da)	298.1125	298.3125	298.2124	Pass
Resolution	22000	100000	32533	Pass
Sum Intensity (cps)	100	1e+11	18076	Pass
Error (ppm)	-2.00	2.00	-0.31681	Pass



Item	Min	Max	Actual	Status
Mass (Da)	494.2337	494.4337	494.3336	Pass
Resolution	25000	100000	31801	Pass
Sum Intensity (cps)	100	1e+11	34433	Pass
Error (ppm)	-2.00	2.00	-0.27742	Pass



Item	Min	Max	Actual	Status
Mass (Da)	607.3178	607.5178	607.4174	Pass
Resolution	26000	100000	32280	Pass
Sum Intensity (cps)	100	1e+11	28495	Pass
Error (ppm)	-2.00	2.00	-0.65365	Pass