Instrument Tuning Report

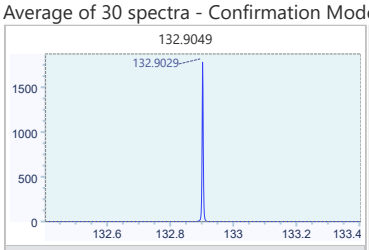
12/9/2024 9:35 AM

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:**	Positive Quick Status Check
Serial Number:	FB24962403		

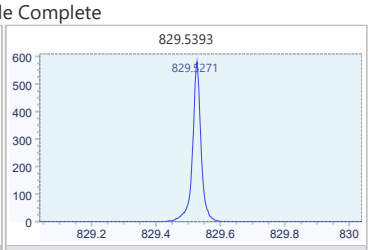
1. Positive MS Check

Step	Result	Details
Achieve Stable Spray / Modify	**Pass**	Slope: 0.000490180490896478, previous was 0.000490180490896478 Delay: -13.4645245335611, previous was -13.4645245335611

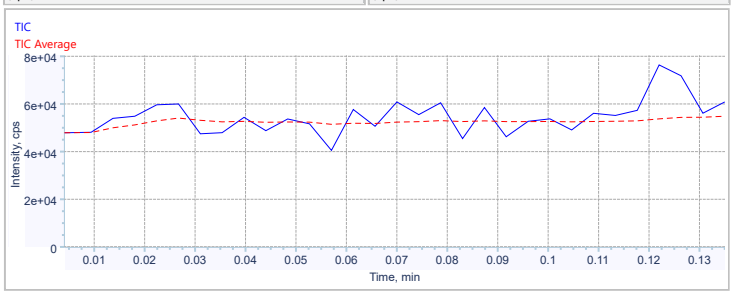
Average of 30 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	132.8049	133.0049	132.9029	Pass
Sum Intensity (cps)	1000	1e+11	7131.1	Pass

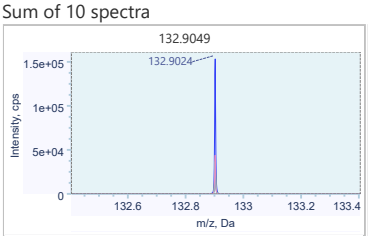


Item	Min	Max	Actual	Status
Mass (Da)	829.4393	829.6393	829.5271	Pass
Sum Intensity (cps)	1000	1e+11	6264.1	Pass

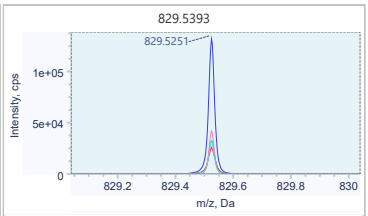


Step	Result
Channel Alignment	**Pass**

Sum of 10 spectra



Item	Min	Max	Actual	Status
Mass (Da)	132.6549	133.1549	132.9024	Pass
Resolution	0	100000	35889	Pass
Sum Intensity (cps)	0	1e+11	6.0896e+05	Pass



Item	Min	Max	Actual	Status
Mass (Da)	829.2893	829.7893	829.5251	Pass
Resolution	0	100000	37534	Pass
Sum Intensity (cps)	0	1e+11	1.2571e+06	Pass

Align to channel: 2 Result: Pass

Item	Min	Max	Initial	Actual	Status
Channel 1 vs. 2 Slope	-50	50	-0.117313778	-0.119882282	Pass
Channel 1 vs. 2 Intercept	-50	50	-11.479841133	-11.649330296	Pass
Channel 3 vs. 2 Slope	-50	50	0.076092395	0.073929345	Pass
Channel 3 vs. 2 Intercept	-50	50	-4.044137845	-3.66568469	Pass
Channel 4 vs. 2 Slope	-50	50	0.121988113	0.119244883	Pass
Channel 4 vs. 2 Intercept	-50	50	8.589434878	8.705899509	Pass

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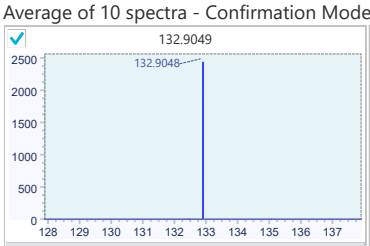
Instrument Model:	ZenoTOF 7600 System	**Target Instrument:**	ZenoTOF 7600 System
Ion Source:	OptiFlow 50-200µL Micro/MicroCal	**Optimization Set:**	Positive Quick Status Check
Serial Number:	FB24962403		

TOF MS Mass Check

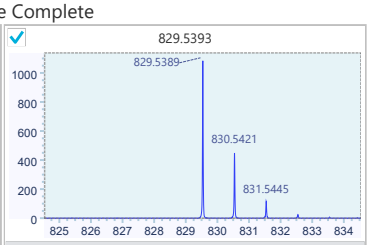
Pass

Slope: 0.000490184163622215, previous was 0.000490180490896478
Delay: -13.4677977697352, previous was -13.4645245335611

Average of 10 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	132.8049	133.0049	132.9048	Pass
Resolution	21000	100000	35162	Pass
Sum Intensity (cps)	1000	1e+11	9508.9	Pass
Error (ppm)	-2.00	2.00	-0.6301	Pass



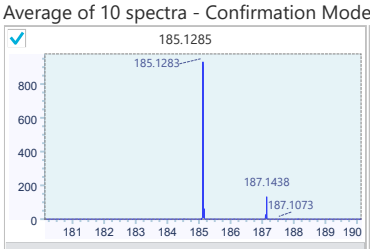
Item	Min	Max	Actual	Status
Mass (Da)	829.4393	829.6393	829.5389	Pass
Resolution	29000	100000	37477	Pass
Sum Intensity (cps)	1000	1e+11	10596	Pass
Error (ppm)	-2.00	2.00	-0.51884	Pass

TOF MS/MS Mass Check

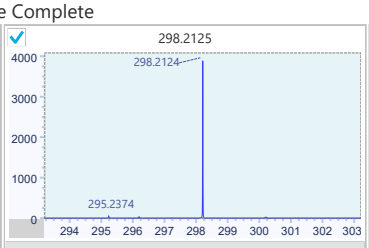
Pass

Slope: 0.000490183224885963, previous was 0.000490179595896994
Delay: -13.4953577985652, previous was -13.4928536156191

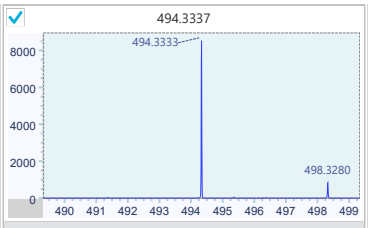
Average of 10 spectra - Confirmation Mode Complete



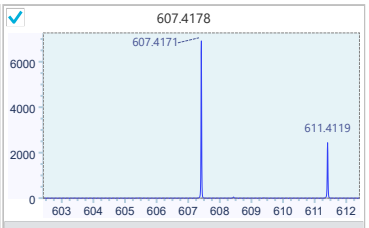
Item	Min	Max	Actual	Status
Mass (Da)	185.0285	185.2285	185.1283	Pass
Resolution	21000	100000	25851	Pass
Sum Intensity (cps)	100	1e+11	5972.2	Pass
Error (ppm)	-2.00	2.00	-1.24045	Pass



Item	Min	Max	Actual	Status
Mass (Da)	298.1125	298.3125	298.2124	Pass
Resolution	22000	100000	32203	Pass
Sum Intensity (cps)	100	1e+11	25843	Pass
Error (ppm)	-2.00	2.00	-0.49487	Pass



Item	Min	Max	Actual	Status
Mass (Da)	494.2337	494.4337	494.3333	Pass
Resolution	25000	100000	36379	Pass
Sum Intensity (cps)	100	1e+11	64281	Pass
Error (ppm)	-2.00	2.00	-0.80335	Pass



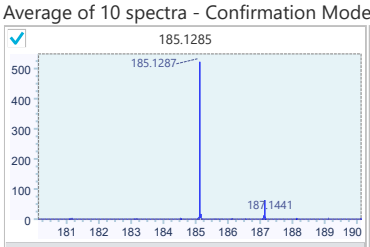
Item	Min	Max	Actual	Status
Mass (Da)	607.3178	607.5178	607.4171	Pass
Resolution	26000	100000	34831	Pass
Sum Intensity (cps)	100	1e+11	60378	Pass
Error (ppm)	-2.00	2.00	-1.19452	Pass

TOF MS/MS Mass Check Zeno On

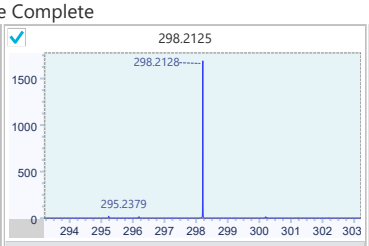
Pass

Slope: 0.000490184964817994, previous was 0.000490181089909276
Delay: -13.4706142660205, previous was -13.4562636557255

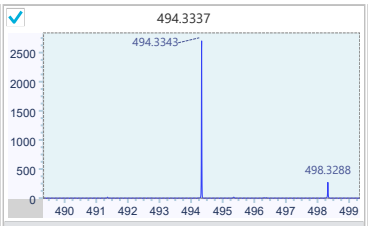
Average of 10 spectra - Confirmation Mode Complete



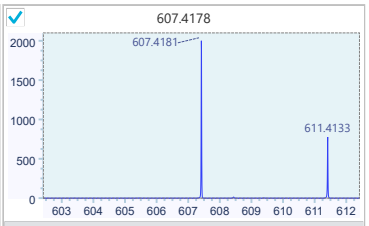
Item	Min	Max	Actual	Status
Mass (Da)	185.0285	185.2285	185.1287	Pass
Resolution	21000	100000	32468	Pass
Sum Intensity (cps)	100	1e+11	2819.4	Pass
Error (ppm)	-2.00	2.00	1.20028	Pass



Item	Min	Max	Actual	Status
Mass (Da)	298.1125	298.3125	298.2128	Pass
Resolution	22000	100000	38143	Pass
Sum Intensity (cps)	100	1e+11	9290.1	Pass
Error (ppm)	-2.00	2.00	1.08117	Pass



Item	Min	Max	Actual	Status
Mass (Da)	494.2337	494.4337	494.3343	Pass
Resolution	25000	100000	39425	Pass
Sum Intensity (cps)	100	1e+11	18094	Pass
Error (ppm)	-2.00	2.00	1.18637	Pass



Item	Min	Max	Actual	Status
Mass (Da)	607.3178	607.5178	607.4181	Pass
Resolution	26000	100000	40248	Pass
Sum Intensity (cps)	100	1e+11	14764	Pass
Error (ppm)	-2.00	2.00	0.52838	Pass