

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...29\Bioanalyzer1_Eukaryote Total RNA Pico_2020-07-29_001.xad

Created: 7/29/2020 1:55:56 PM
Modified: 7/29/2020 2:18:54 PM

Electrophoresis File Run Summary

Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

Assay Class: Eukaryote Total RNA Pico

Version: 2.6

Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

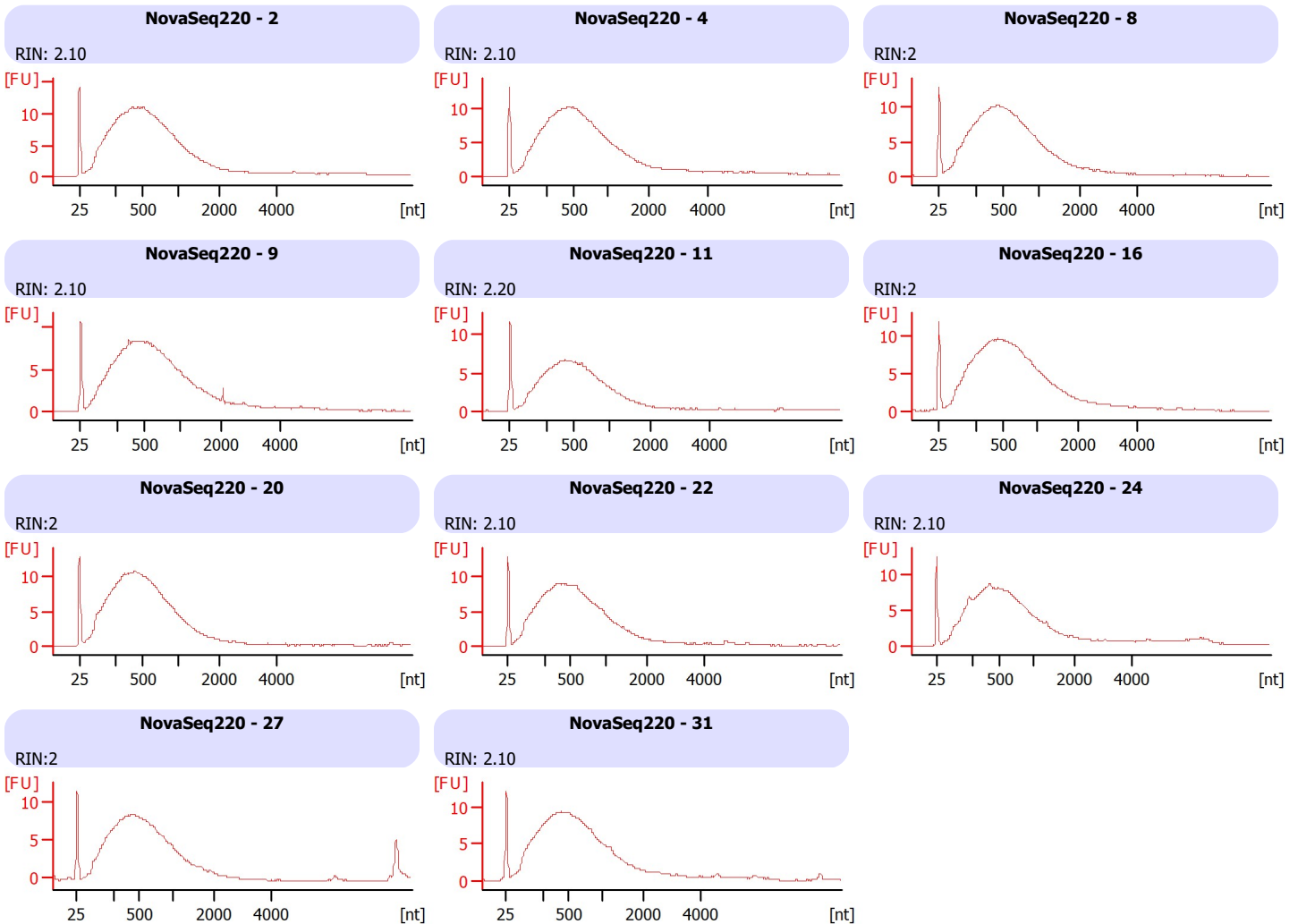
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
NovaSeq220 - 2		✓	RIN: 2.10	
NovaSeq220 - 4		✓	RIN: 2.10	
NovaSeq220 - 8		✓	RIN:2	
NovaSeq220 - 9		✓	RIN: 2.10	
NovaSeq220 - 11		✓	RIN: 2.20	
NovaSeq220 - 16		✓	RIN:2	
NovaSeq220 - 20		✓	RIN:2	
NovaSeq220 - 22		✓	RIN: 2.10	
NovaSeq220 - 24		✓	RIN: 2.10	
NovaSeq220 - 27		✓	RIN:2	
NovaSeq220 - 31		✓	RIN: 2.10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

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Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
 Minimum Visible Range [s] : 17
 Maximum Visible Range [s] : 70
 Start Analysis Time Range [s] : 18
 End Analysis Time Range [s] : 69
 Ladder Concentration [pg/μl] : 1000
 Lower Marker Concentration [pg/μl] : 0
 Upper Marker Concentration [pg/μl] : 0
 Used Lower Marker for Quantitation
 Standard Curve Fit is Logarithmic
 Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 18
 Integration End Time [s] : 69
 Slope Threshold : 0.6
 Height Threshold [FU] : 0.5
 Area Threshold : 0.2
 Width Threshold [s] : 0.3
 Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
 Polynomial Order : 4

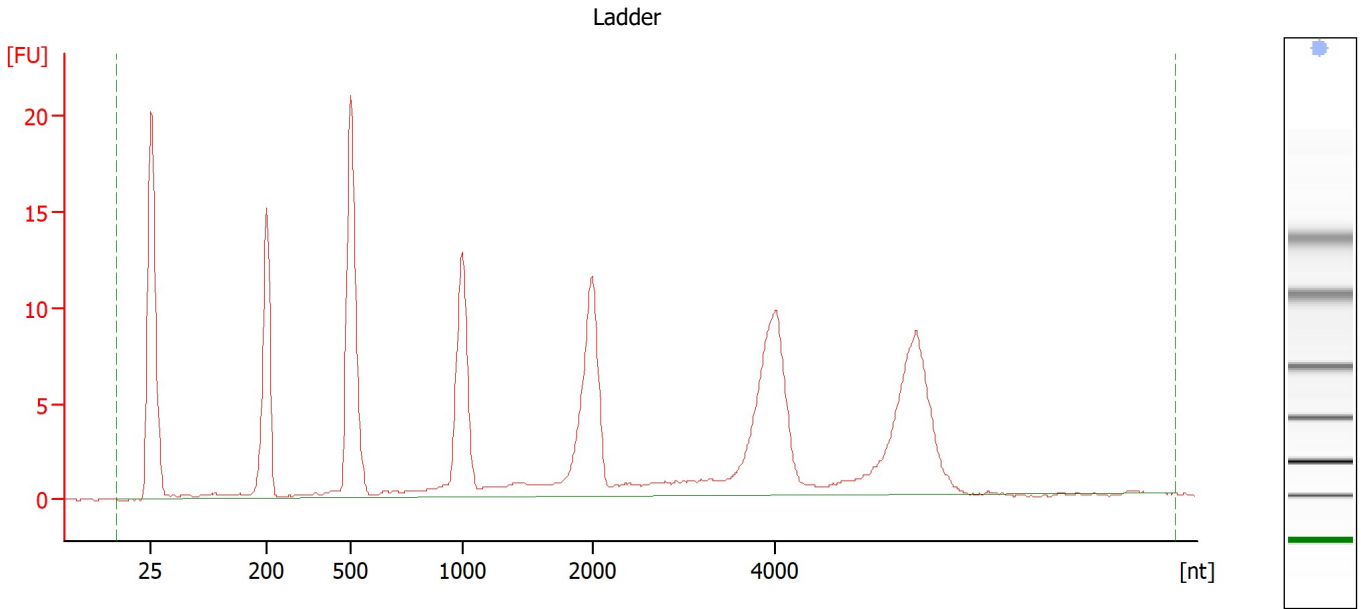
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

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Electropherogram Summary



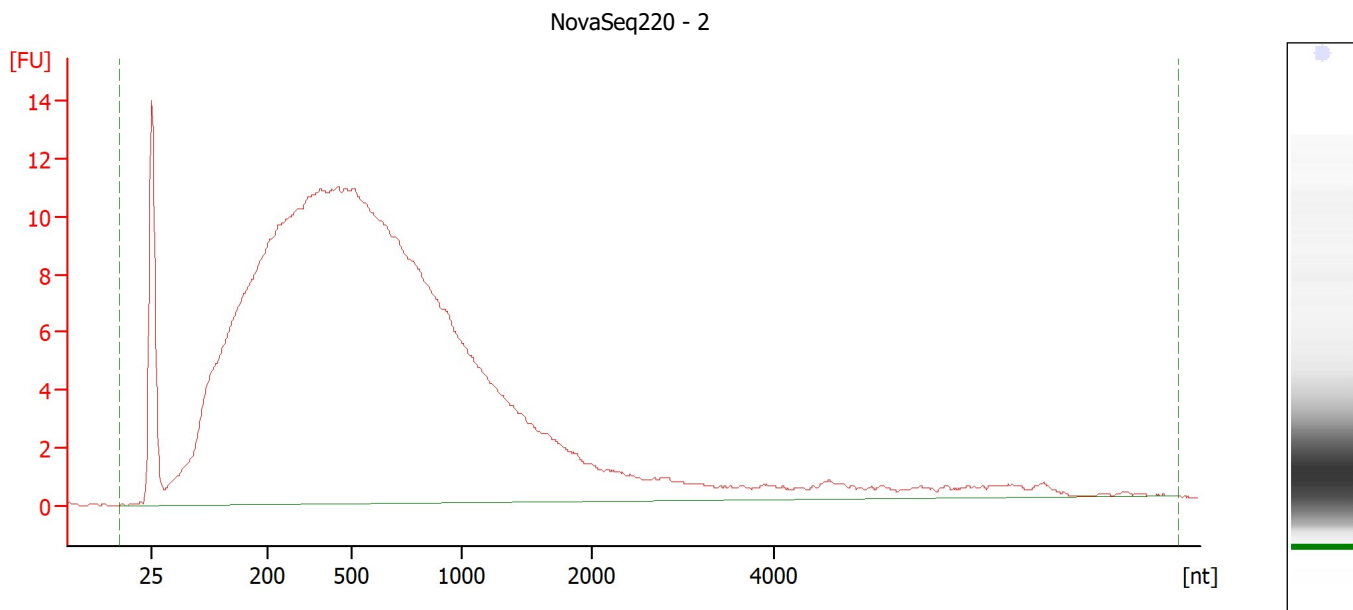
Overall Results for Ladder

RNA Area:	186.9	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

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Electropherogram Summary Continued ...



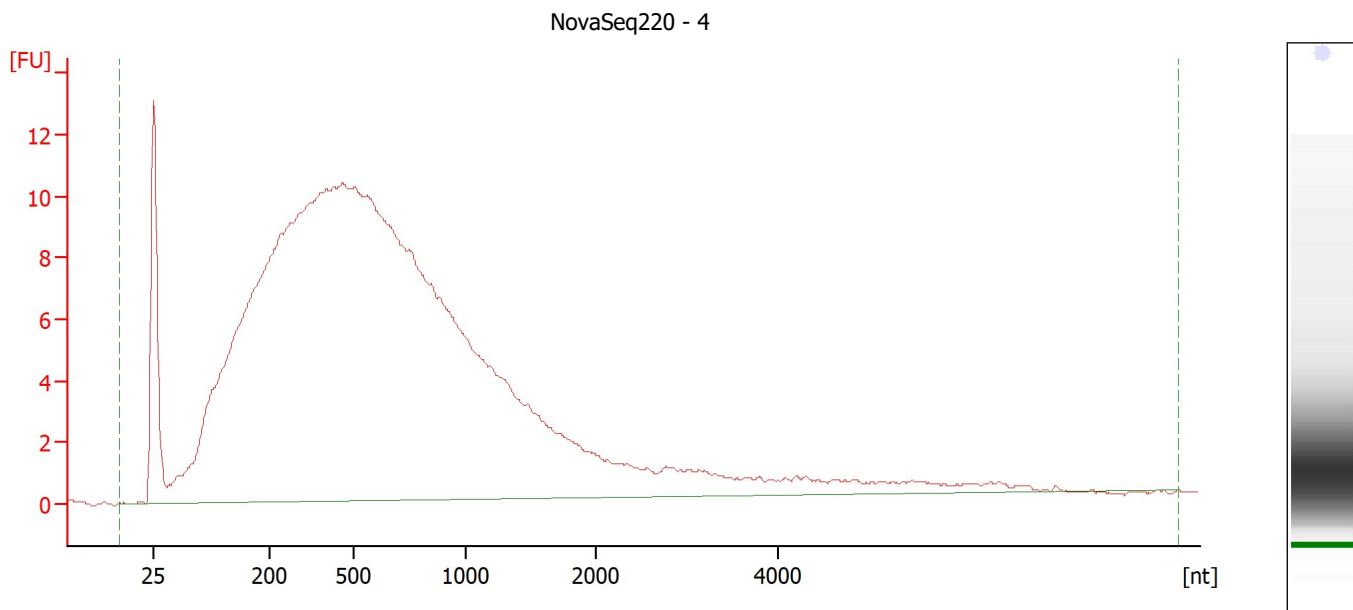
Overall Results for sample 1 : NovaSeq220 - 2

RNA Area:	438.3	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	2,346 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

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Electropherogram Summary Continued ...



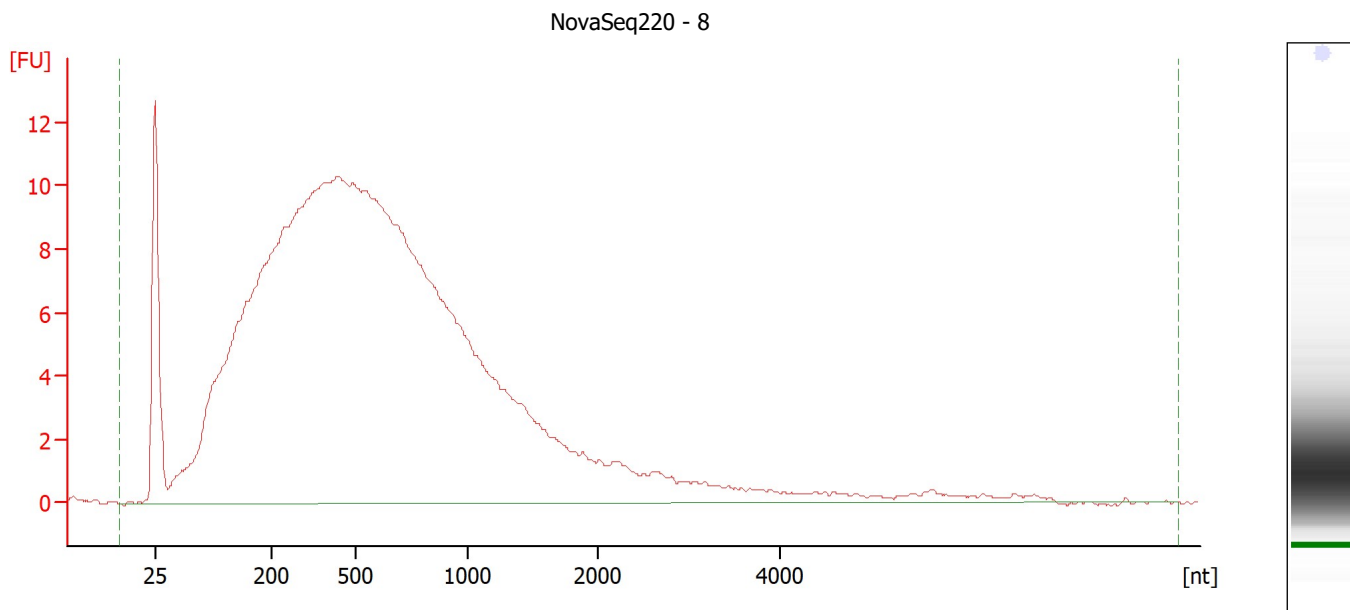
Overall Results for sample 2 : NovaSeq220 - 4

RNA Area:	406.3	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	2,174 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

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Electropherogram Summary Continued ...



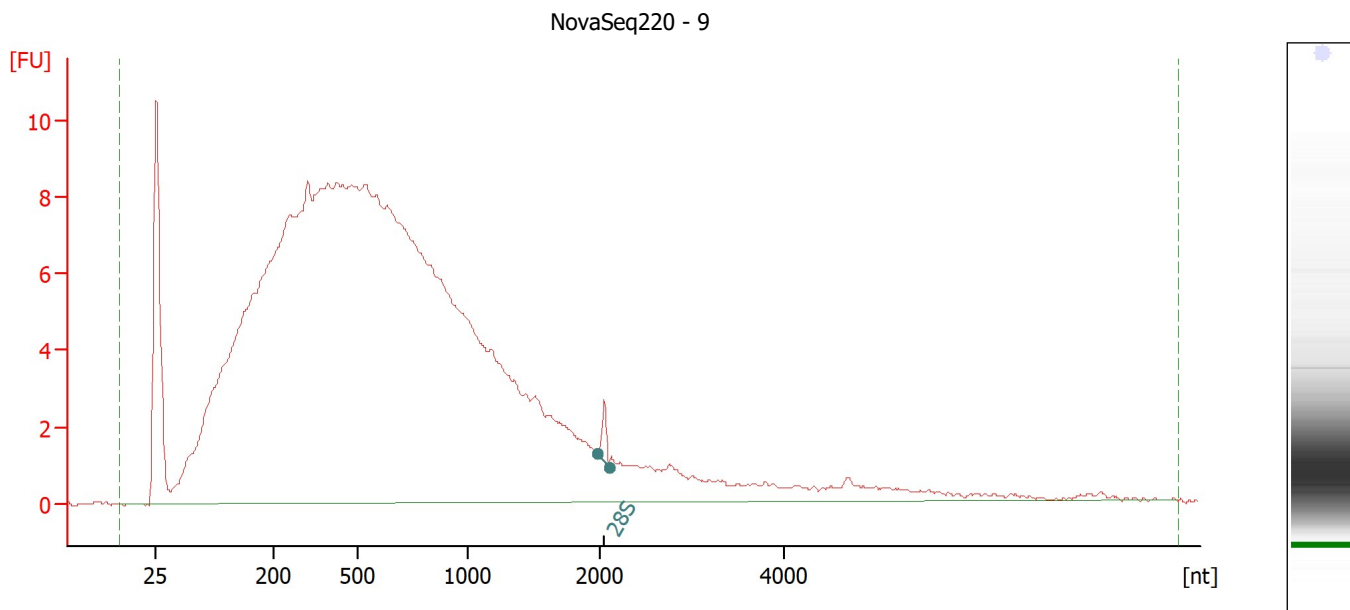
Overall Results for sample 3 : NovaSeq220 - 8

RNA Area:	397.4	RNA Integrity Number (RIN):	2 (B.02.10)
RNA Concentration:	2,127 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

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Electropherogram Summary Continued ...



Overall Results for sample 4 : NovaSeq220 - 9

RNA Area:	343.6	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	1,839 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

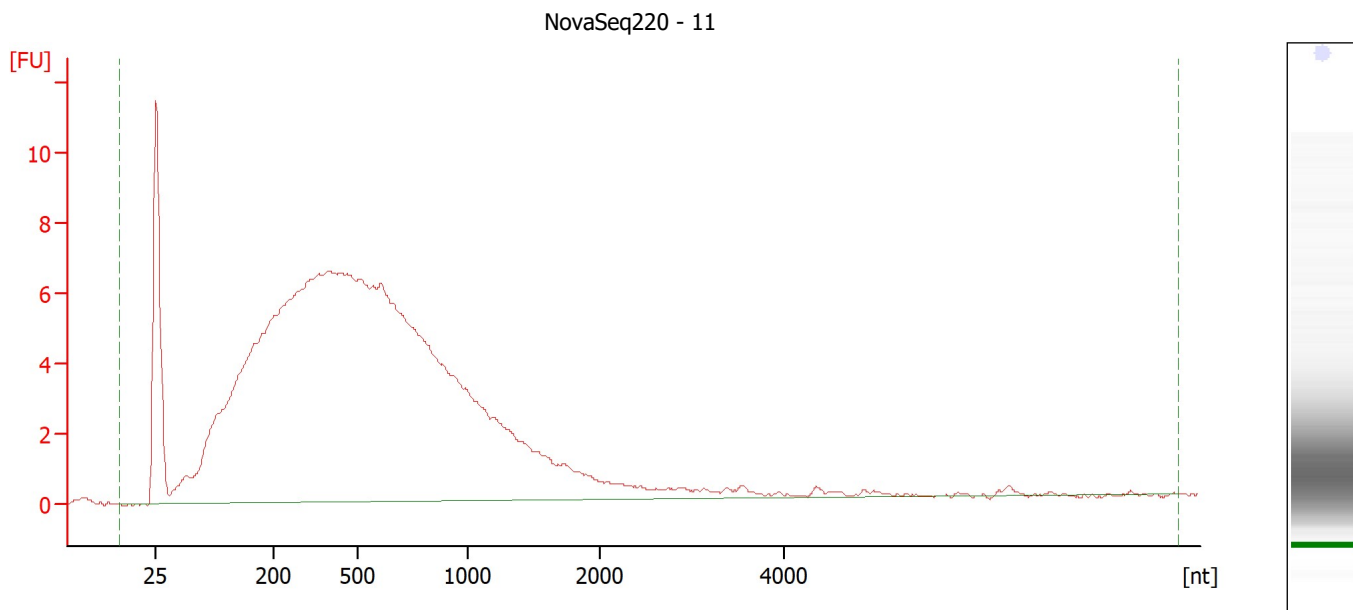
Fragment table for sample 4 : NovaSeq220 - 9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	1,992	2,105	0.9	0.2

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Electropherogram Summary Continued ...



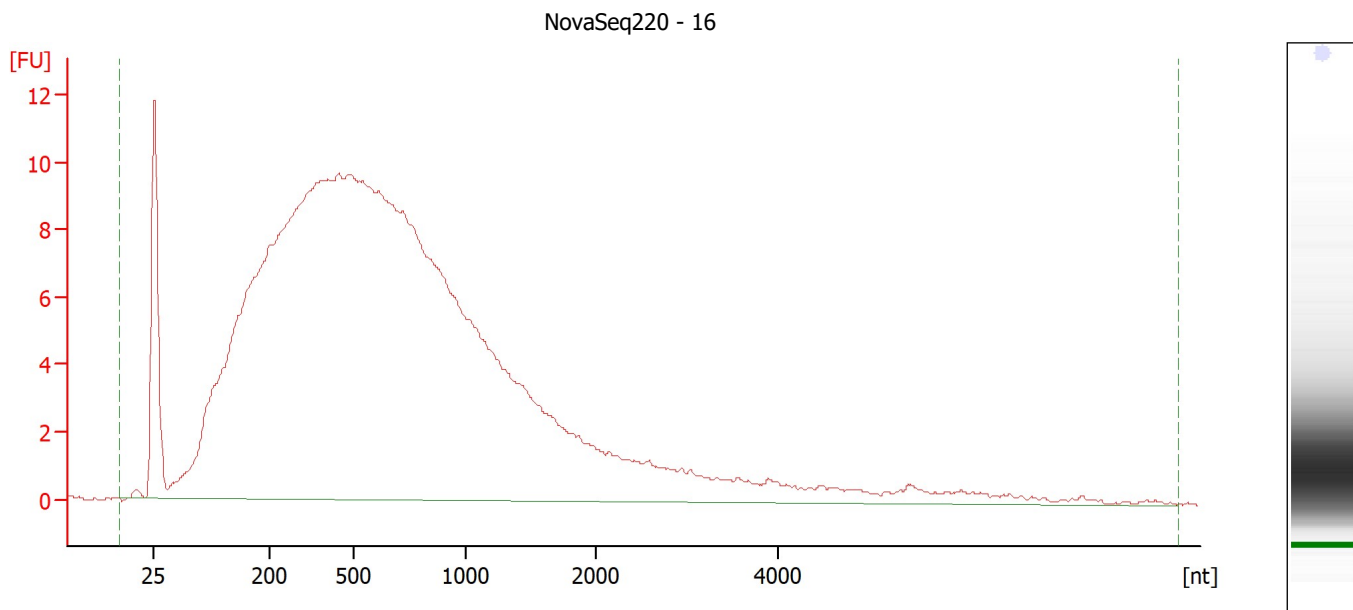
Overall Results for sample 5 : NovaSeq220 - 11

RNA Area:	247.2	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	1,323 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

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Electropherogram Summary Continued ...



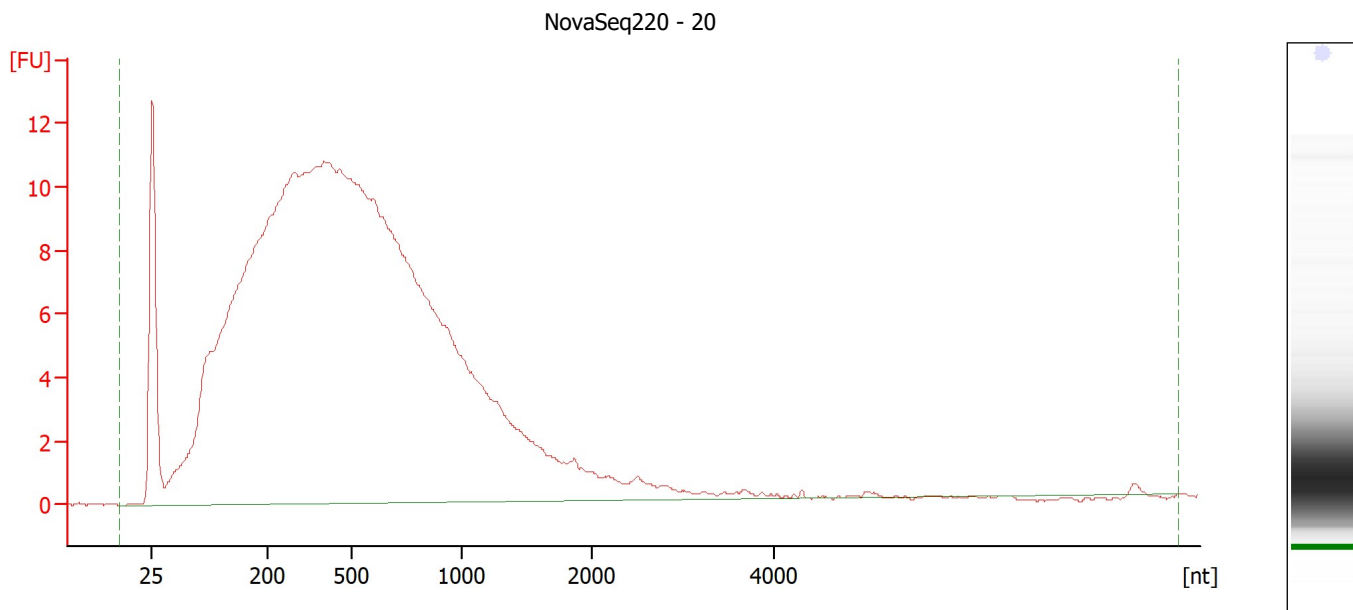
Overall Results for sample 6 : NovaSeq220 - 16

RNA Area:	397.5	RNA Integrity Number (RIN):	2 (B.02.10)
RNA Concentration:	2,127 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

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Electropherogram Summary Continued ...



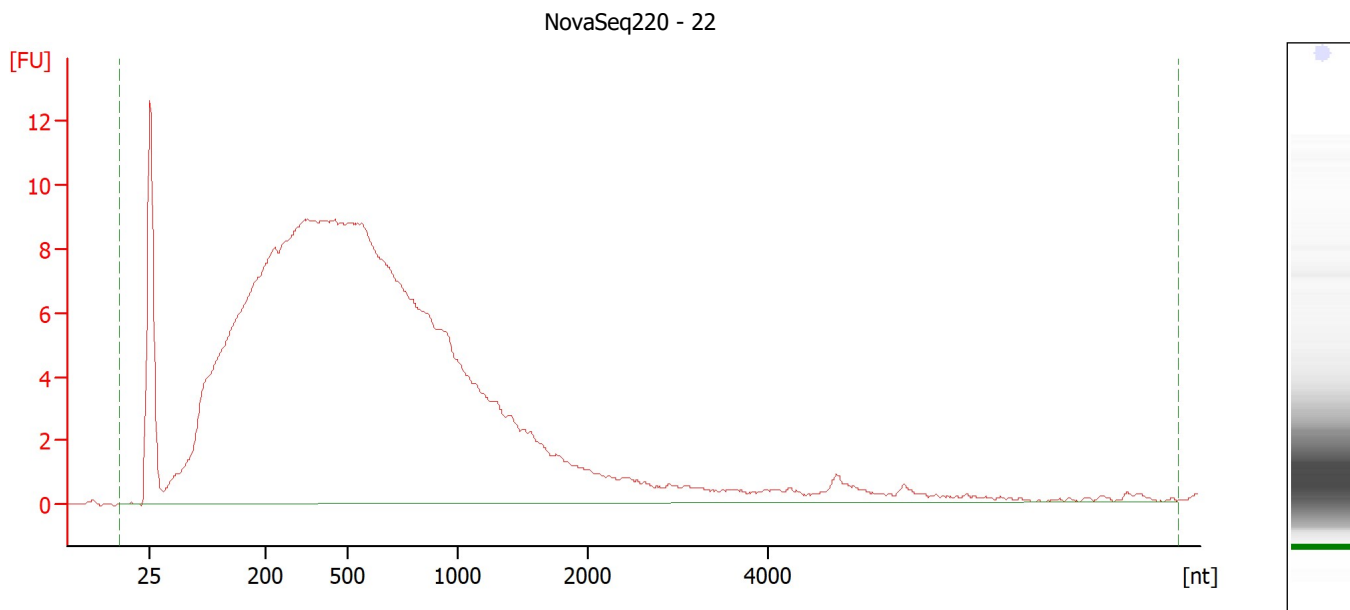
Overall Results for sample 7 : NovaSeq220 - 20

RNA Area:	397.8	RNA Integrity Number (RIN):	2 (B.02.10)
RNA Concentration:	2,129 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

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Electropherogram Summary Continued ...



Overall Results for sample 8 : NovaSeq220 - 22

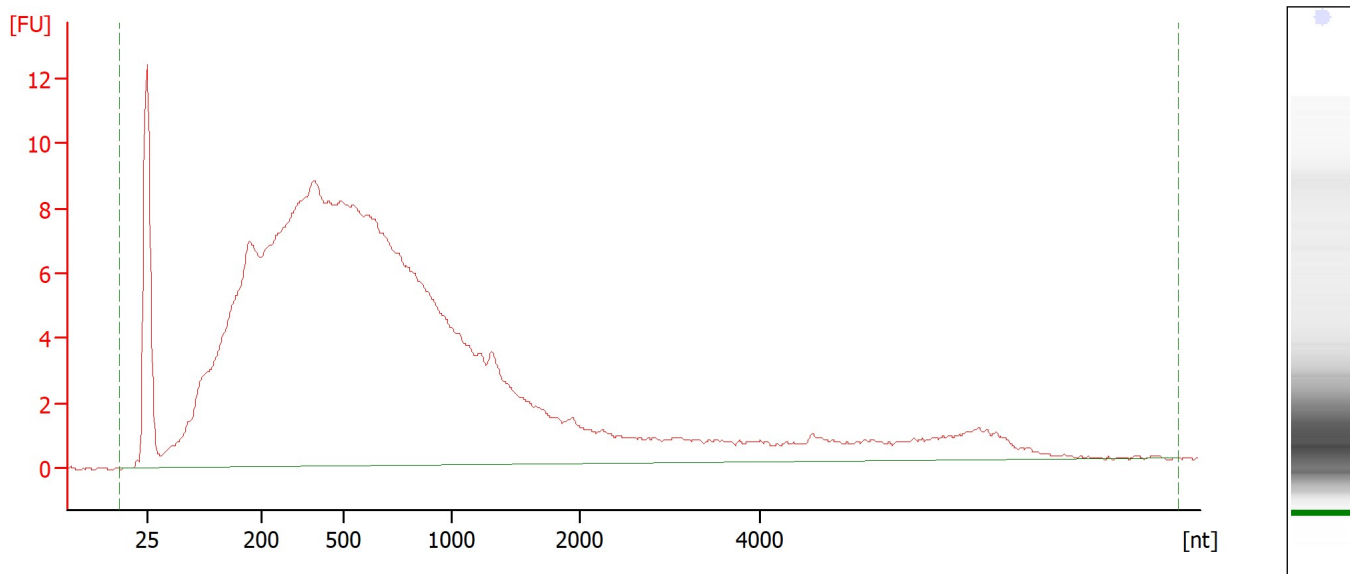
RNA Area:	357.7	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	1,914 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

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Electropherogram Summary Continued ...

NovaSeq220 - 24



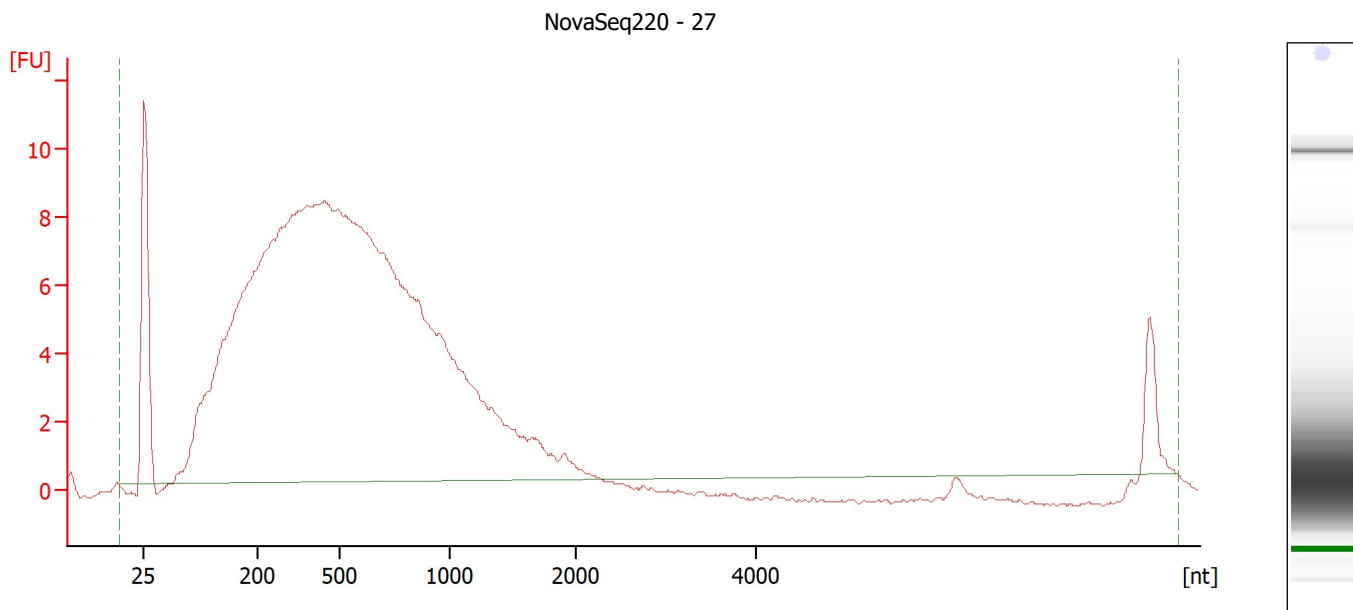
Overall Results for sample 9 : NovaSeq220 - 24

RNA Area:	342.4	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	1,832 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

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Electropherogram Summary Continued ...



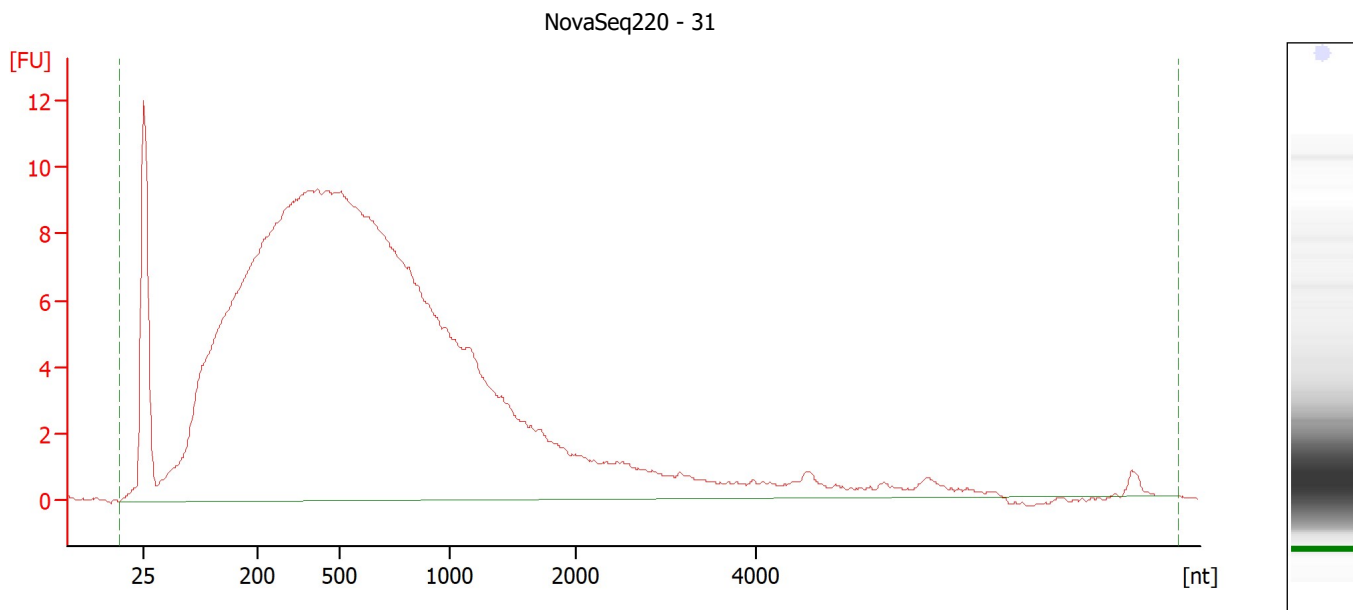
Overall Results for sample 10 : NovaSeq220 - 27

RNA Area:	291.3	RNA Integrity Number (RIN):	2 (B.02.10)
RNA Concentration:	1,559 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

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Electropherogram Summary Continued ...



Overall Results for sample 11 : NovaSeq220 - 31

RNA Area:	386.1	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	2,066 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

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Gel Image

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Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		7/29/2020 2:18:52 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-07-29\Bioanalyze r1_Eukaryote Total RNA Pico_2020-07-29_001.xad)		Instrument	Run		7/29/2020 1:56:01 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/29/2020 1:56:01 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/29/2020 1:56:01 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/29/2020 1:56:01 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/29/2020 1:56:01 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/29/2020 1:56:01 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/29/2020 1:56:01 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB