

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...26\Bioanalyzer1_Eukaryote Total RNA Pico_2020-09-26_001.xad

Created: 9/26/2020 1:25:00 PM
Modified: 9/26/2020 1:47:59 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)

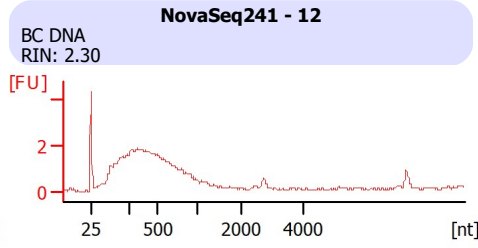
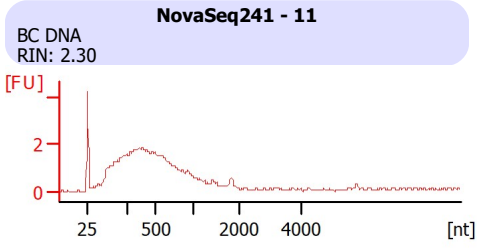
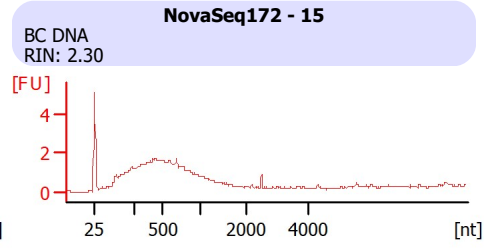
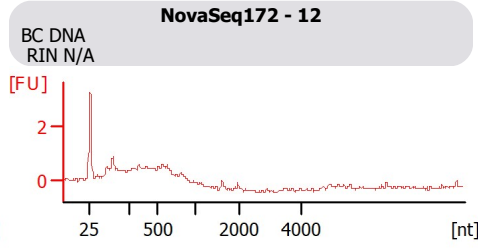
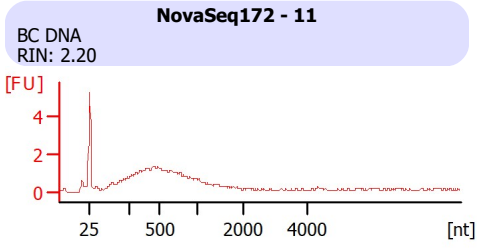
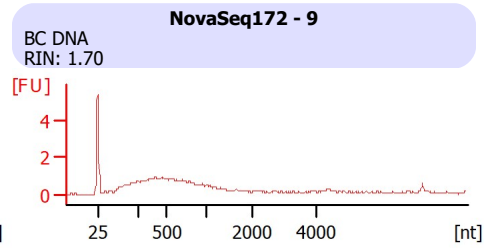
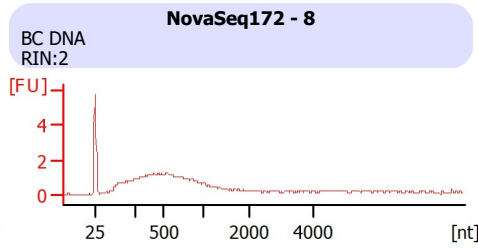
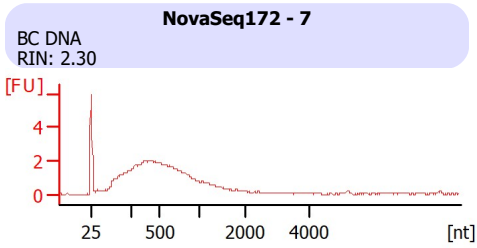
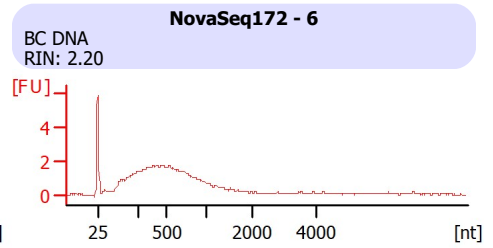
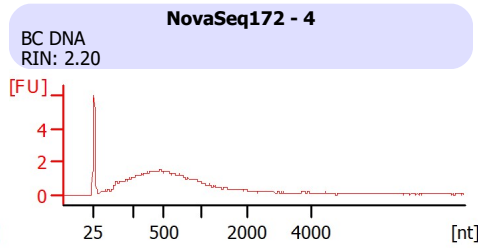
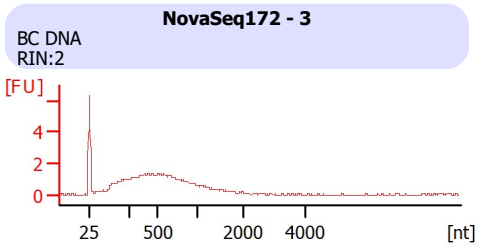
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Chip Information:

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
NovaSeq172 - 3	BC DNA	✓	RIN:2	
NovaSeq172 - 4	BC DNA	✓	RIN: 2.20	
NovaSeq172 - 6	BC DNA	✓	RIN: 2.20	
NovaSeq172 - 7	BC DNA	✓	RIN: 2.30	
NovaSeq172 - 8	BC DNA	✓	RIN:2	
NovaSeq172 - 9	BC DNA	✓	RIN: 1.70	
NovaSeq172 - 11	BC DNA	✓	RIN: 2.20	
NovaSeq172 - 12	BC DNA	✓	RIN N/A	
NovaSeq172 - 15	BC DNA	✓	RIN: 2.30	
NovaSeq241 - 11	BC DNA	✓	RIN: 2.30	
NovaSeq241 - 12	BC DNA	✓	RIN: 2.30	
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

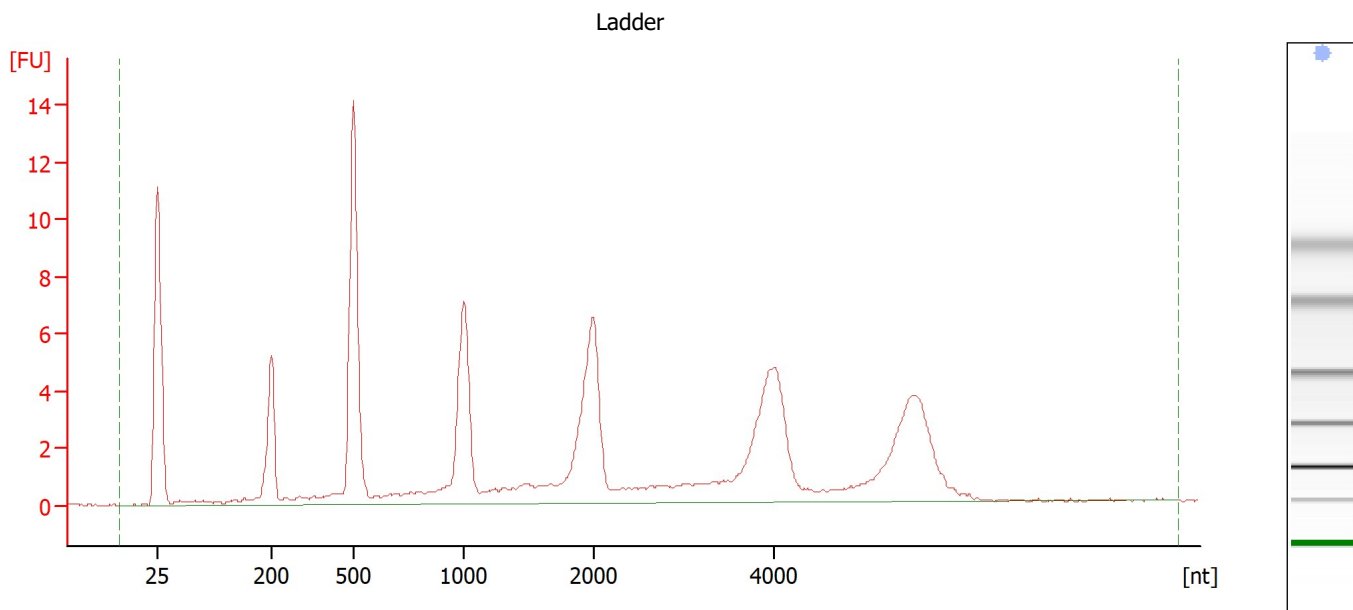
Ladder

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

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Electropherogram Summary



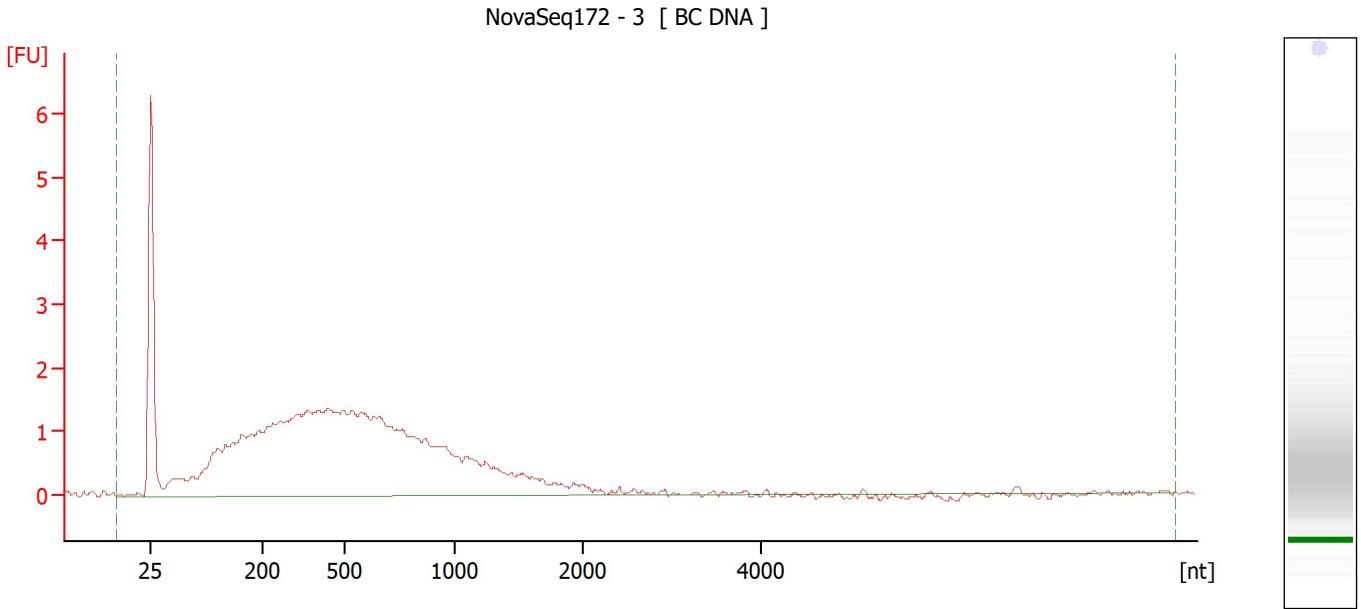
Overall Results for Ladder

RNA Area:	112.2	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 : NovaSeq172 - 3

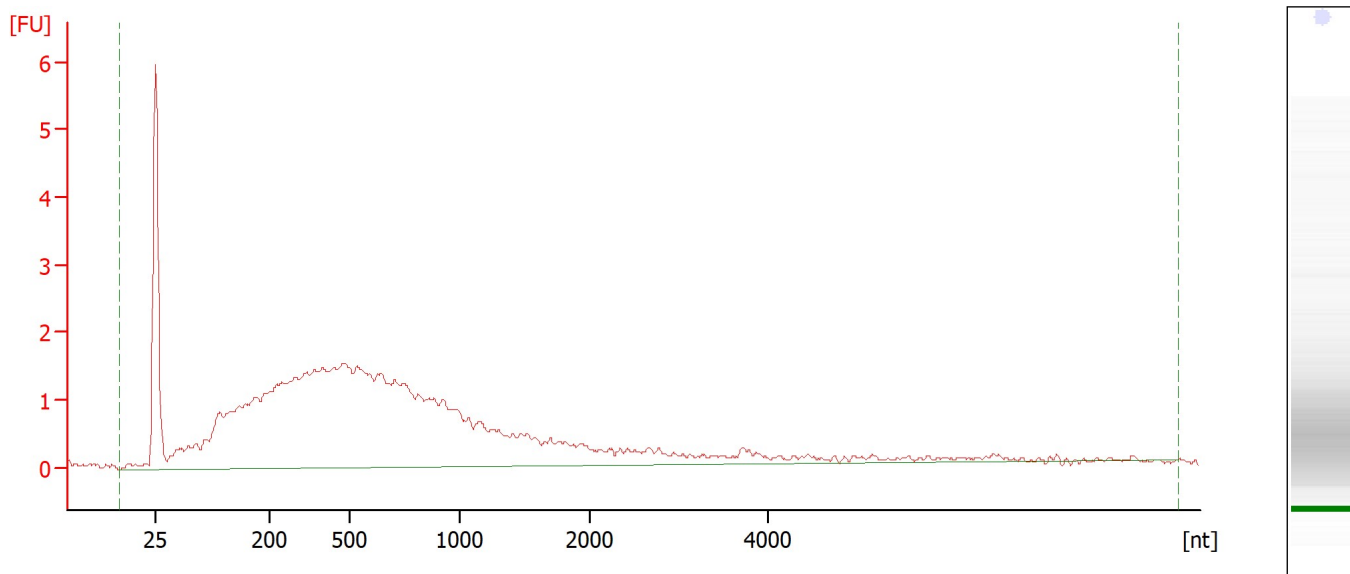
RNA Area:	50.9	RNA Integrity Number (RIN):	2 (B.02.10)
RNA Concentration:	453 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

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Electropherogram Summary Continued ...

NovaSeq172 - 4 [BC DNA]



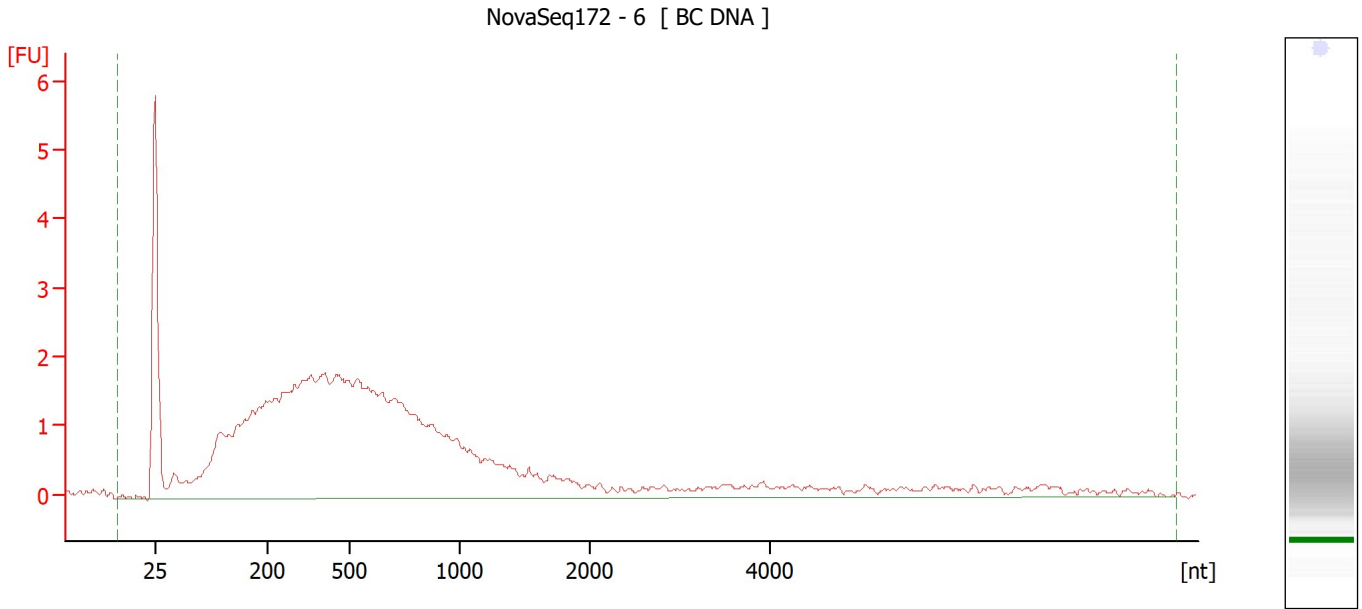
Overall Results for sample 2 : NovaSeq172 - 4

RNA Area:	62.0	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	553 pg/μl	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 3 : NovaSeq172 - 6

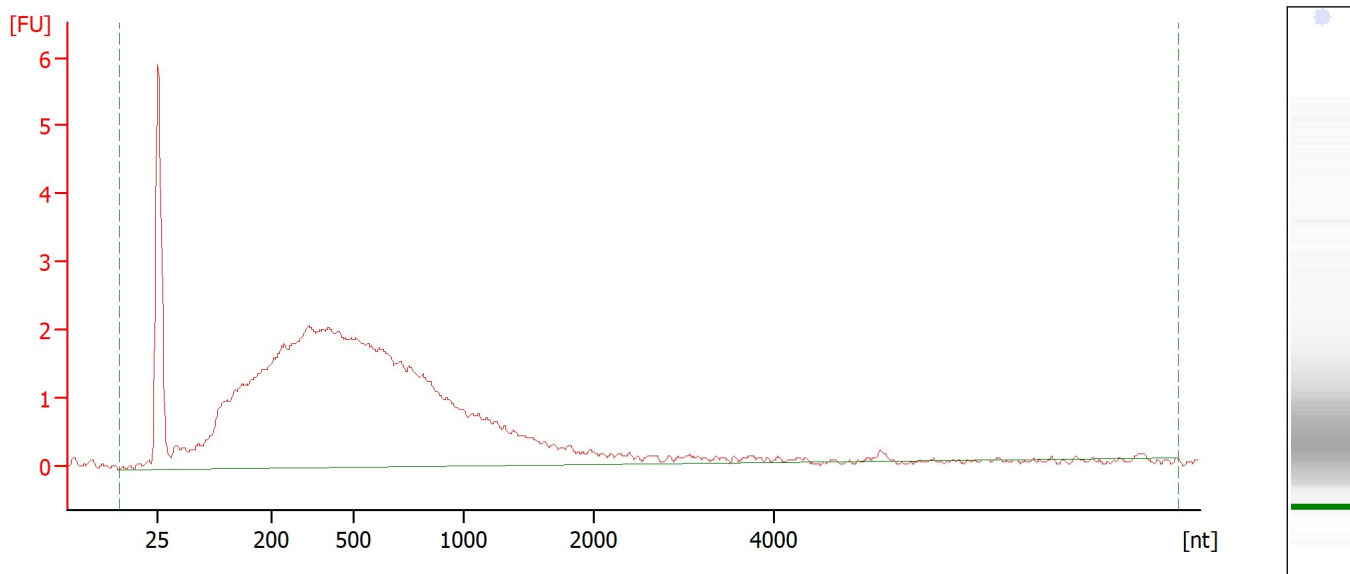
RNA Area:	67.9	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	605 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

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Electropherogram Summary Continued ...

NovaSeq172 - 7 [BC DNA]



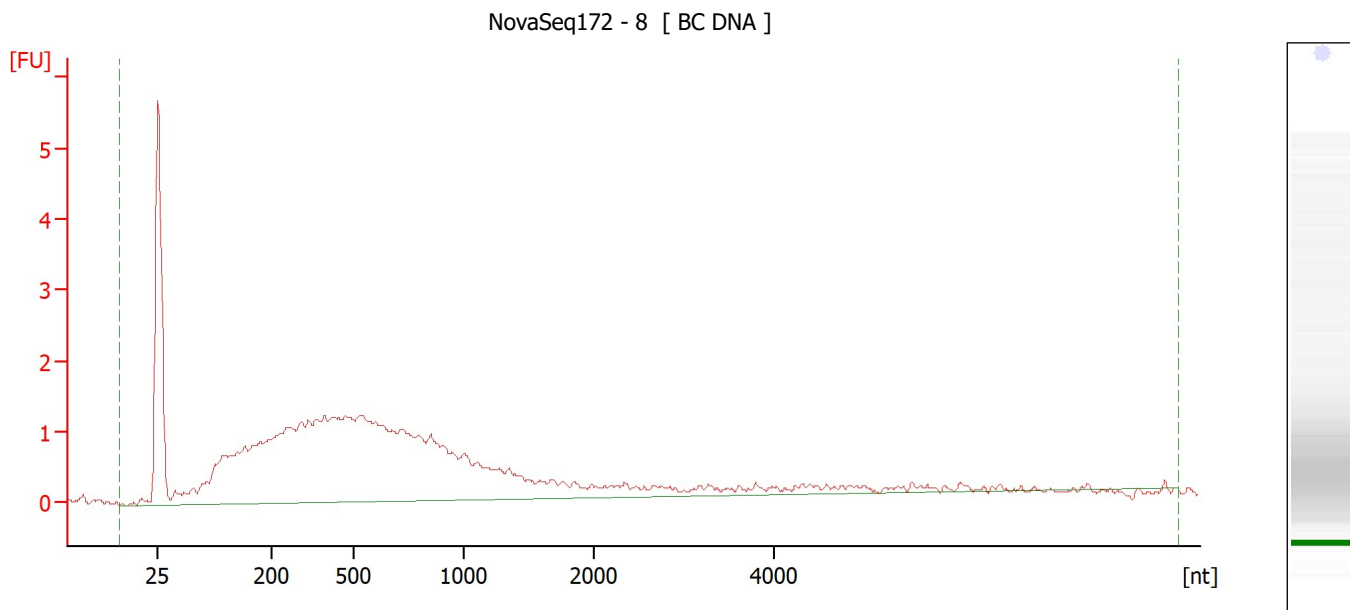
Overall Results for sample 4 : NovaSeq172 - 7

RNA Area:	73.5	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	654 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
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Electropherogram Summary Continued ...



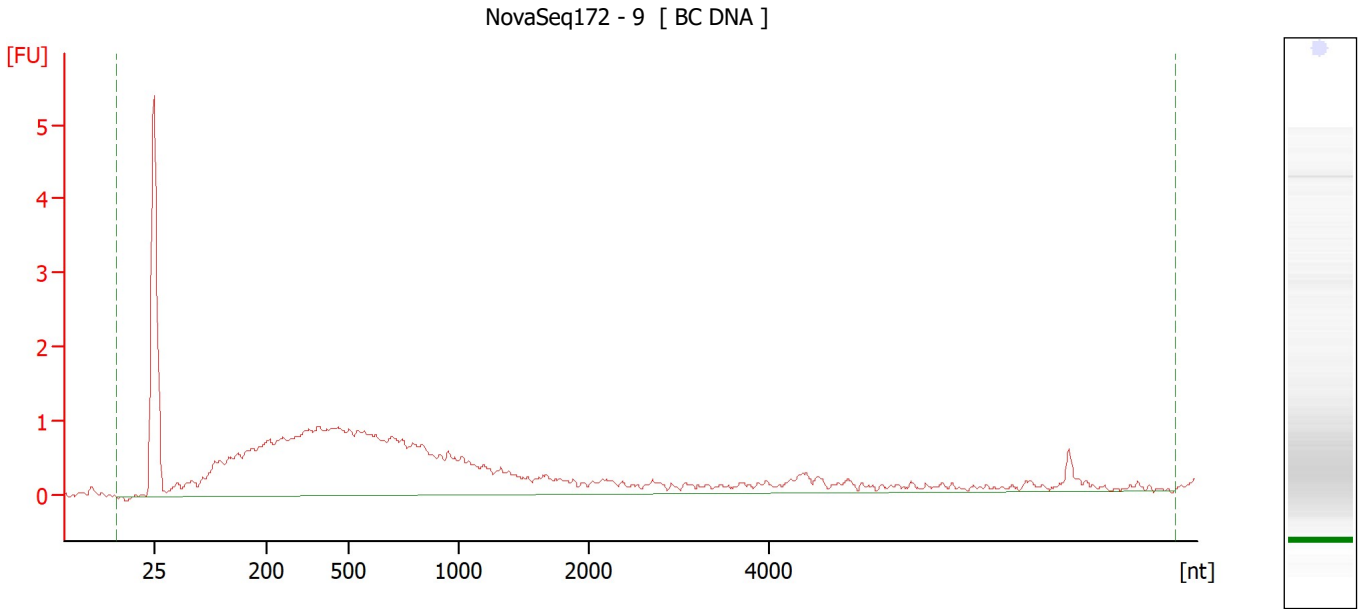
Overall Results for sample 5 : NovaSeq172 - 8

RNA Area:	48.3	RNA Integrity Number (RIN):	2 (B.02.10)
RNA Concentration:	430 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

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Electropherogram Summary Continued ...



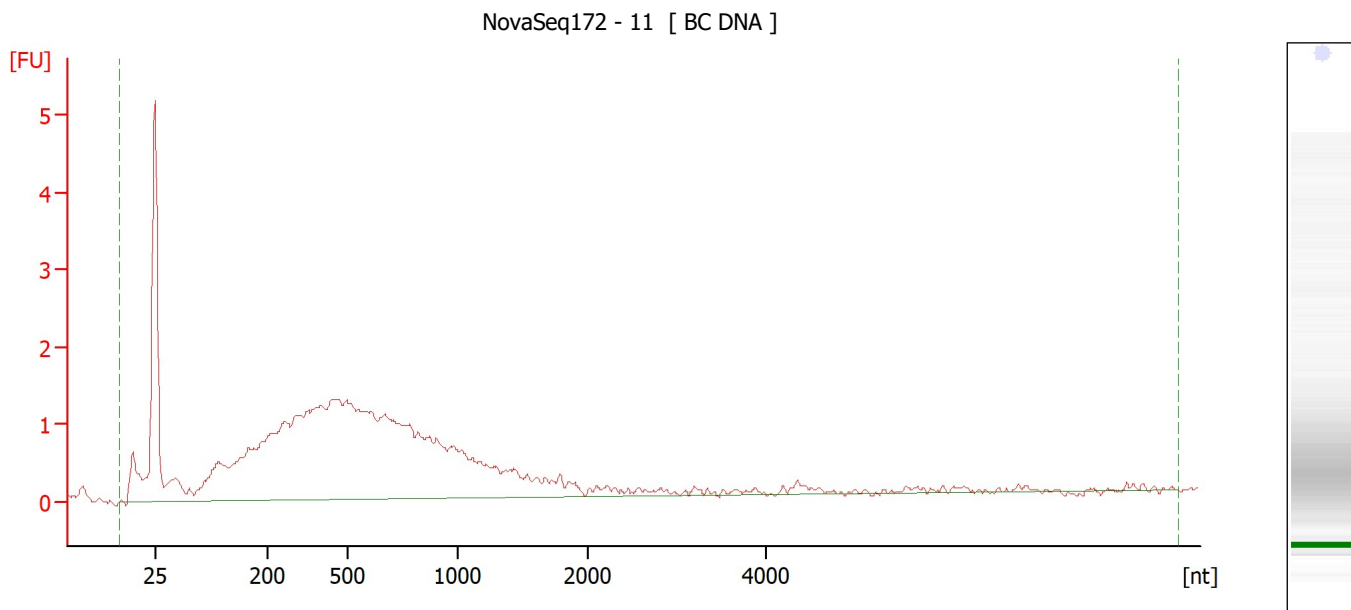
Overall Results for sample 6 : NovaSeq172 - 9

RNA Area:	39.1	RNA Integrity Number (RIN):	1.7 (B.02.10)
RNA Concentration:	349 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.70

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Electropherogram Summary Continued ...



Overall Results for sample 7 : NovaSeq172 - 11

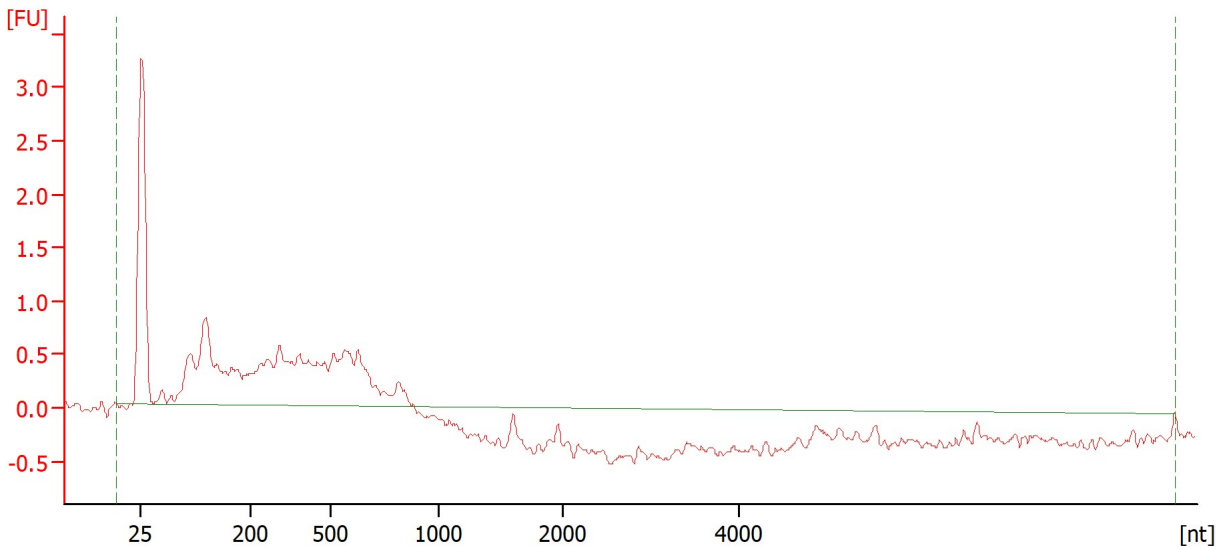
RNA Area:	47.2	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	421 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

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Electropherogram Summary Continued ...

NovaSeq172 - 12 [BC DNA]



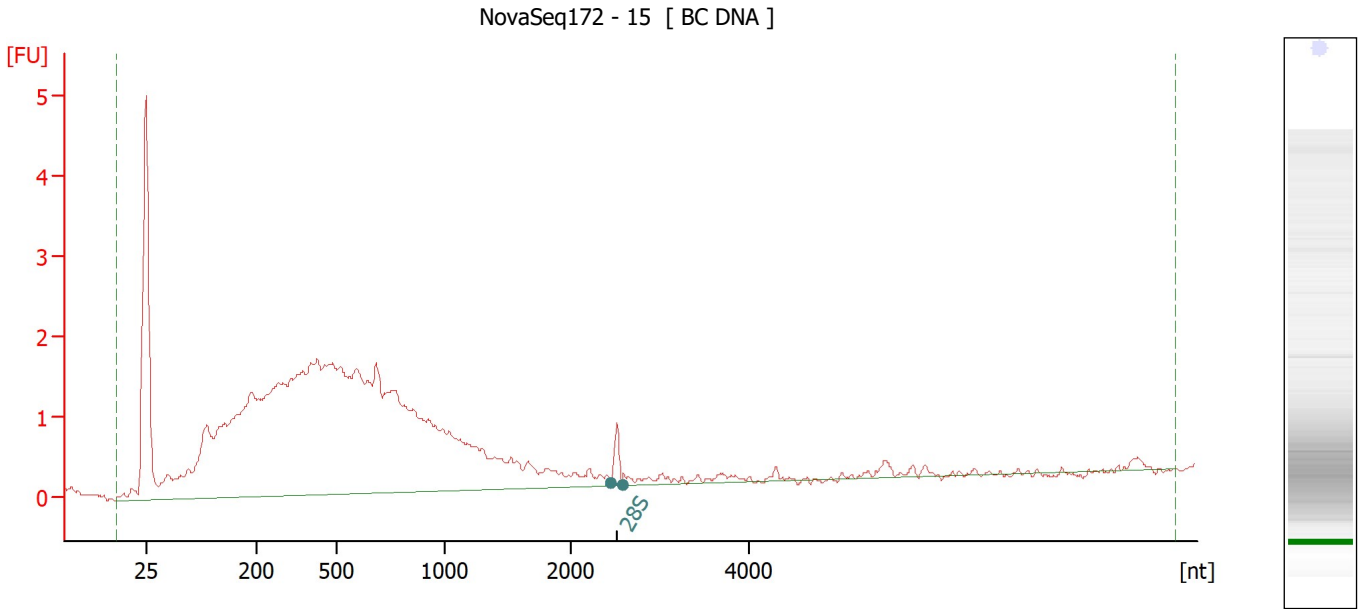
Overall Results for sample 8 : NovaSeq172 - 12

RNA Area:	14.7	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	131 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

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Electropherogram Summary Continued ...



Overall Results for sample 9 : NovaSeq172 - 15

RNA Area:	60.1	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	536 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

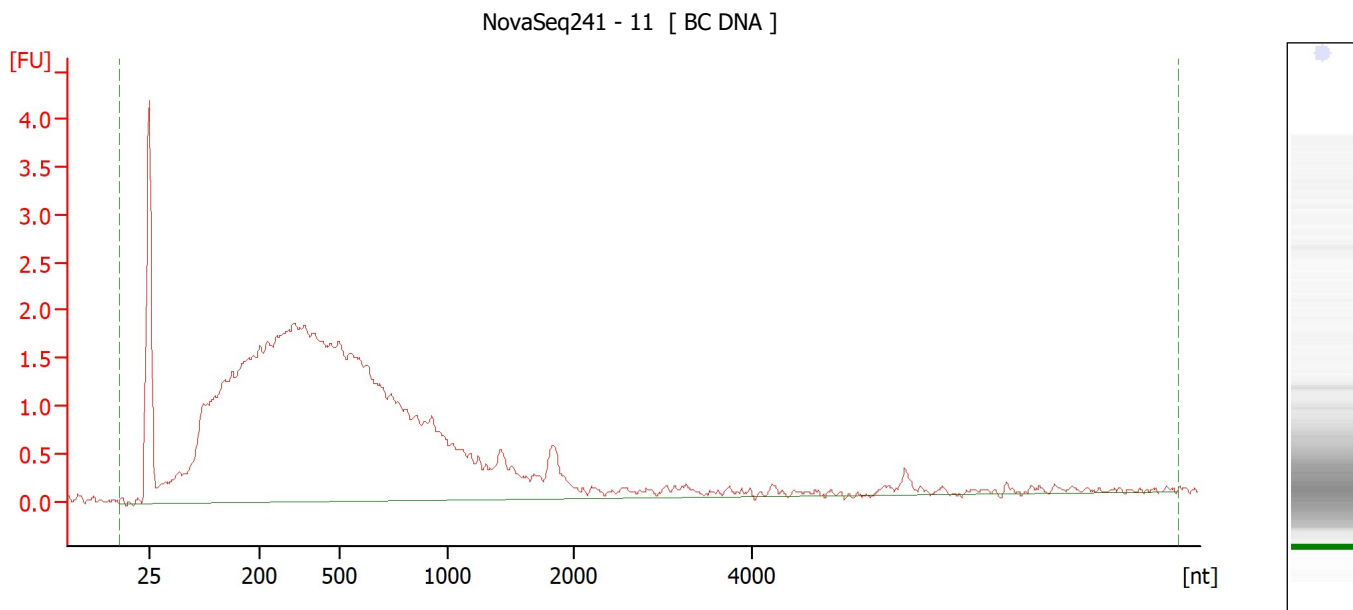
Fragment table for sample 9 : NovaSeq172 - 15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,454	2,575	0.4	0.7

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Electropherogram Summary Continued ...



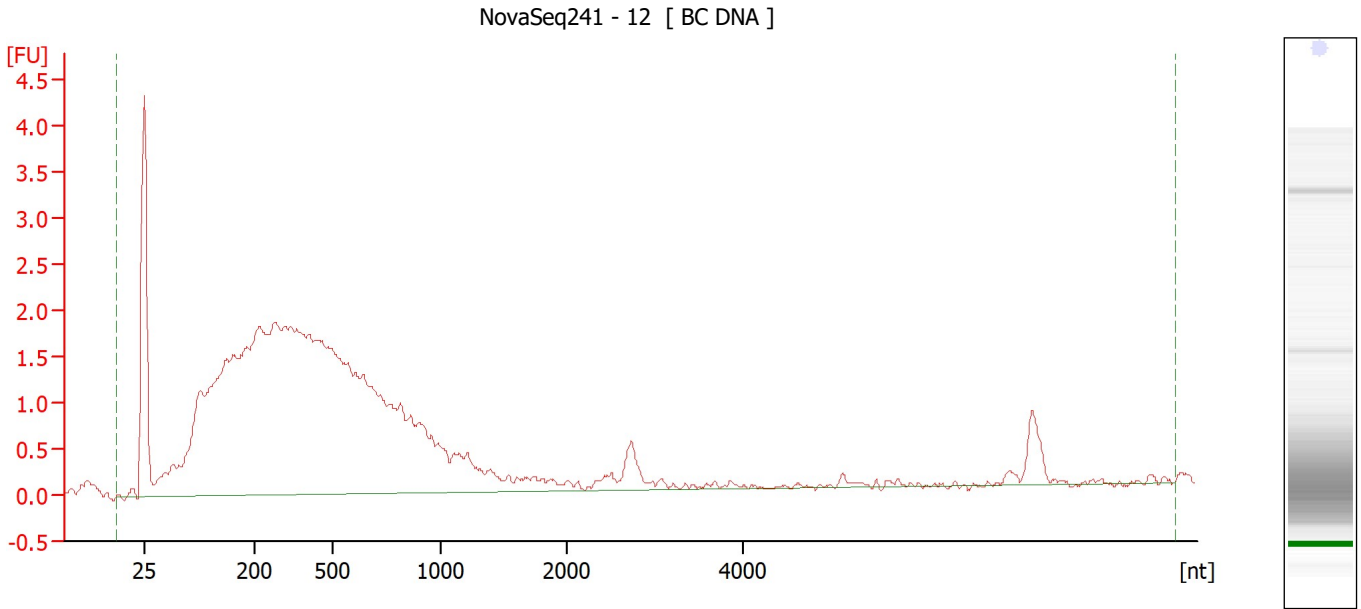
Overall Results for sample 10 : NovaSeq241 - 11

RNA Area:	66.3	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	591 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
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Electropherogram Summary Continued ...



Overall Results for sample 11 : NovaSeq241 - 12

RNA Area:	64.0	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	570 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
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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		9/26/2020 1:47:56 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-09-26\Bioanalyze r1_Eukaryote Total RNA Pico_2020-09-26_001.xad)		Instrument	Run		9/26/2020 1:25:05 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		9/26/2020 1:25:05 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		9/26/2020 1:25:05 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		9/26/2020 1:25:05 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		9/26/2020 1:25:05 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		9/26/2020 1:25:05 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		9/26/2020 1:25:05 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB