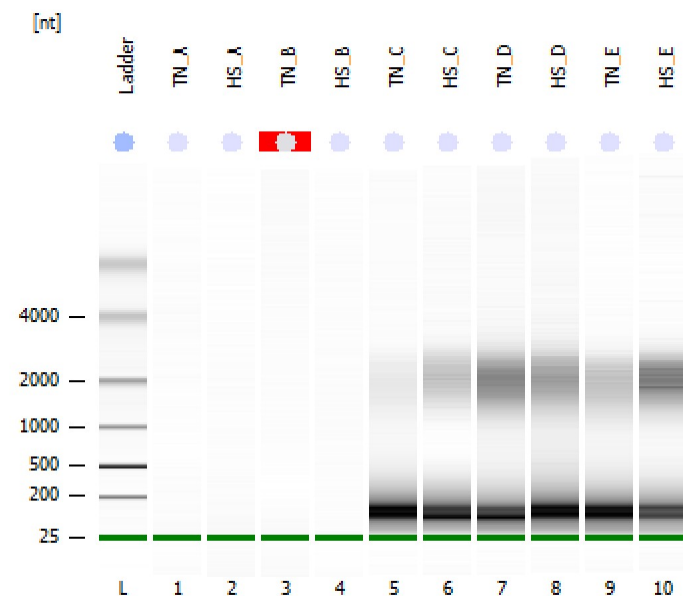


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-12-02\QC2368.xad

Created: 12/2/2025 1:34:43 PM
Modified: 12/2/2025 2:14:40 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)

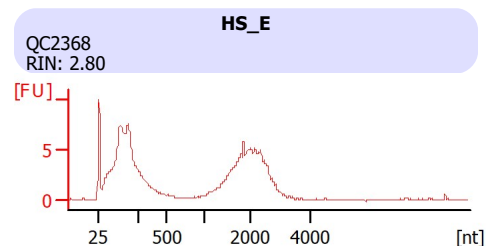
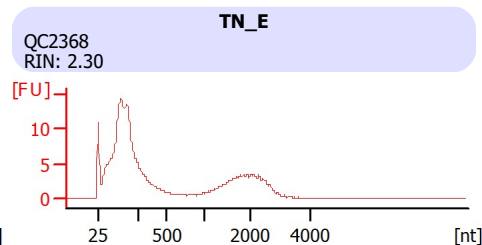
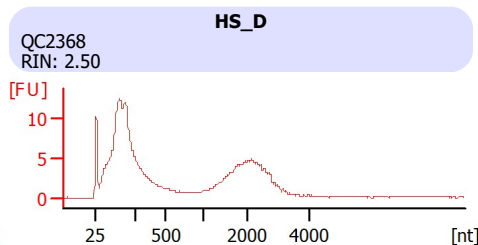
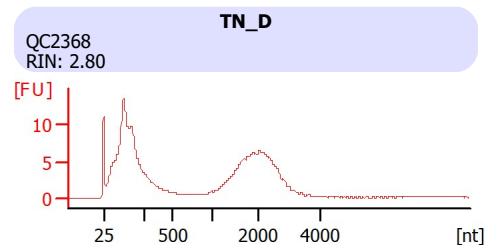
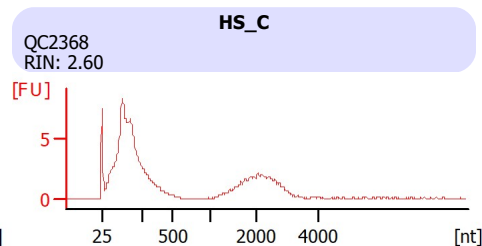
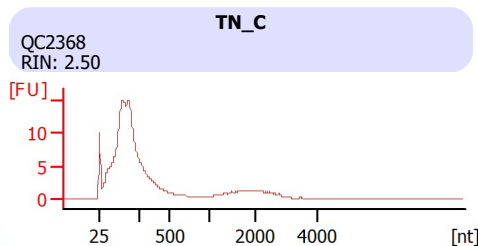
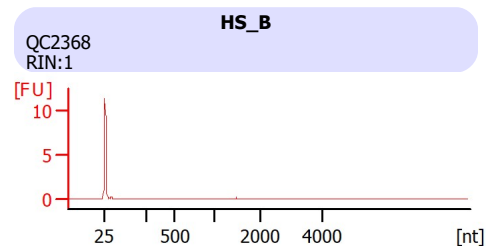
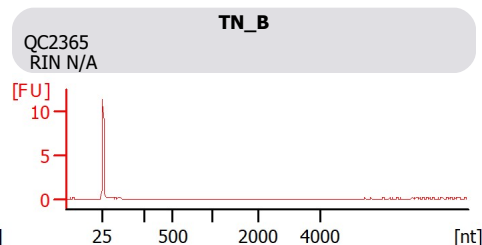
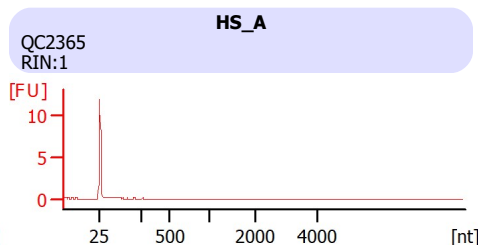
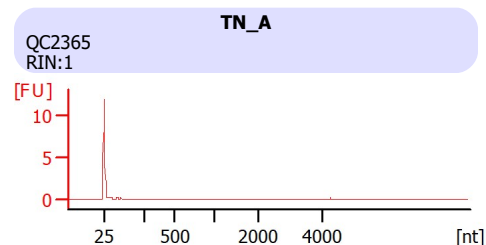
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-12-02\QC2368.xad

Created: 12/2/2025 1:34:43 PM
Modified: 12/2/2025 2:14:40 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
TN_A	QC2365	✓	RIN:1	
HS_A	QC2365	✓	RIN:1	
TN_B	QC2365	✓	RIN N/A	
HS_B	QC2368	✓	RIN:1	
TN_C	QC2368	✓	RIN: 2.50	
HS_C	QC2368	✓	RIN: 2.60	
TN_D	QC2368	✓	RIN: 2.80	
HS_D	QC2368	✓	RIN: 2.50	
TN_E	QC2368	✓	RIN: 2.30	
HS_E	QC2368	✓	RIN: 2.80	
Ladder		✓	All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-12-02\QC2368.xad

Created: 12/2/2025 1:34:43 PM
Modified: 12/2/2025 2:14:40 PM

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

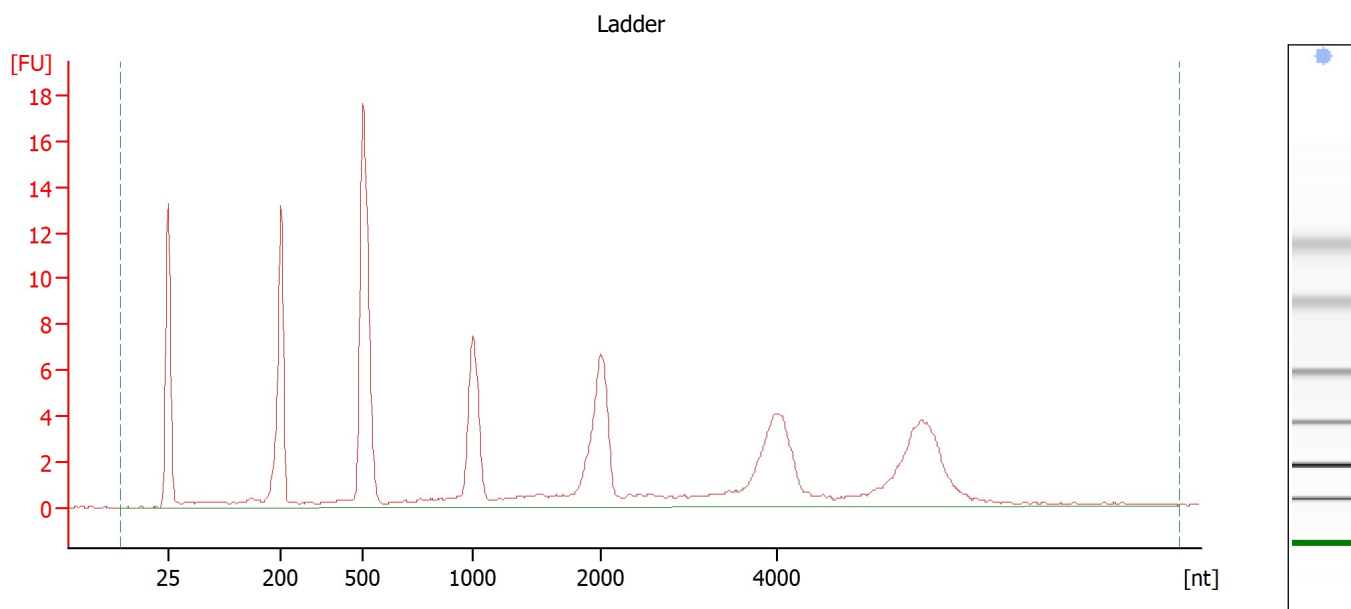
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-12-02\QC2368.xad

Created: 12/2/2025 1:34:43 PM
Modified: 12/2/2025 2:14:40 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 123.1

Result Flagging Color:



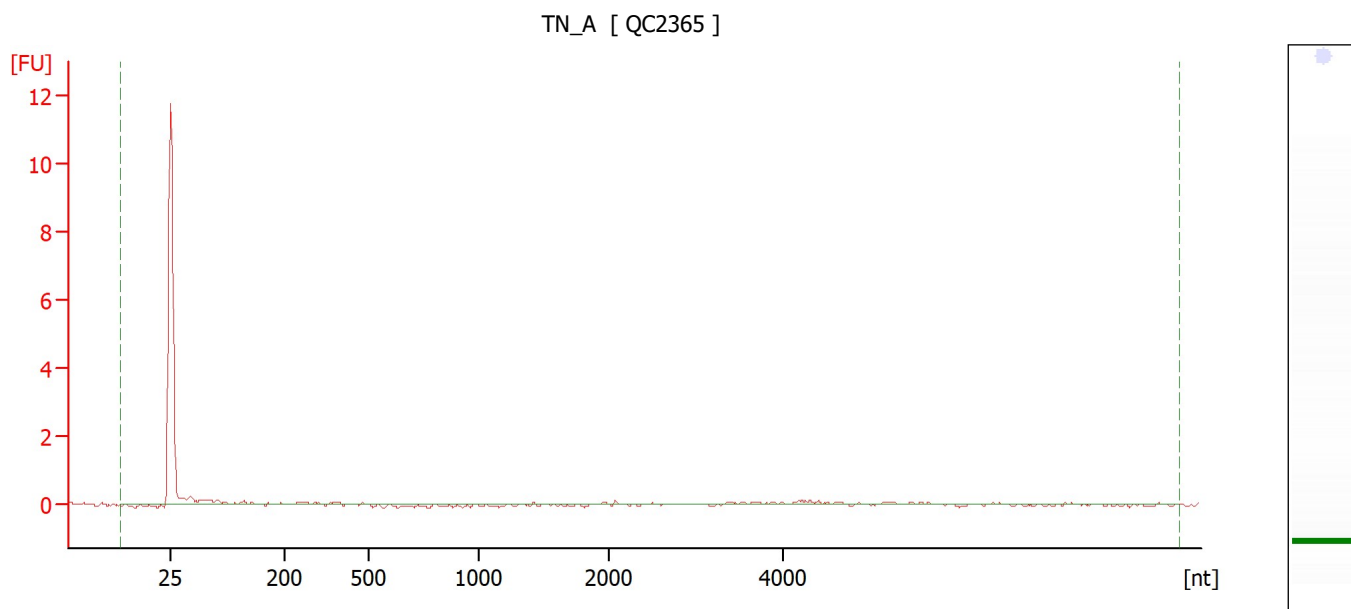
RNA Concentration: 1,000 pg/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-12-02\QC2368.xad

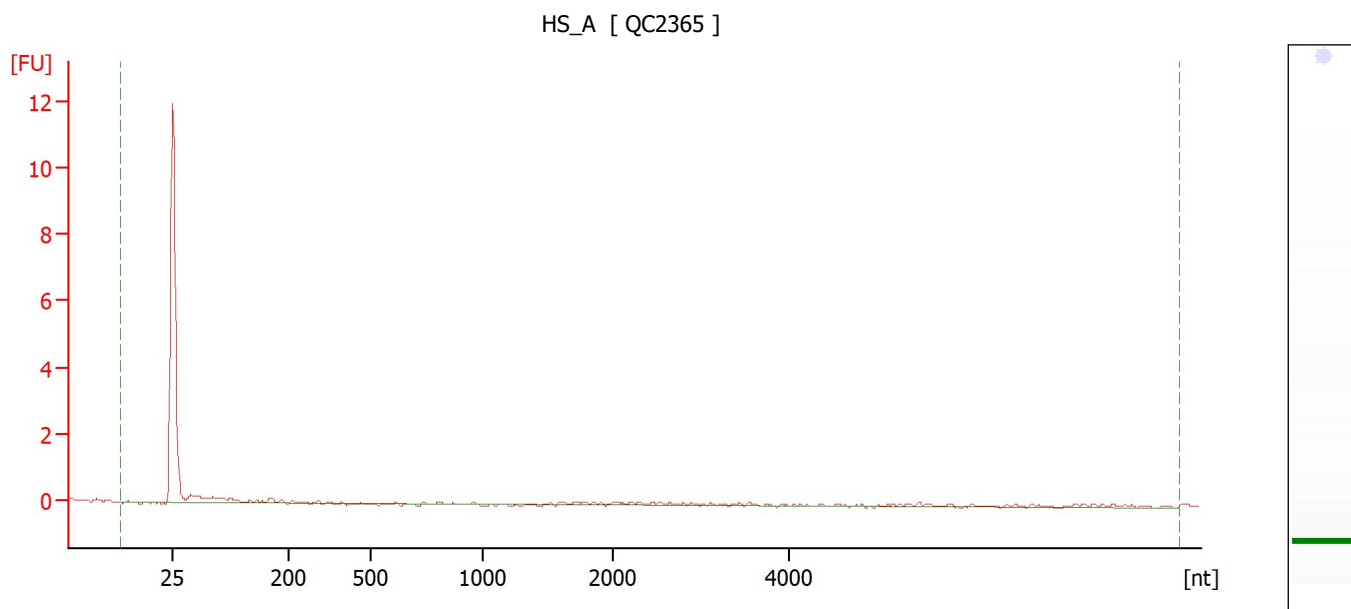
Created: 12/2/2025 1:34:43 PM
Modified: 12/2/2025 2:14:40 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : TN_A**

RNA Area:	4.2	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	34 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-12-02\QC2368.xad

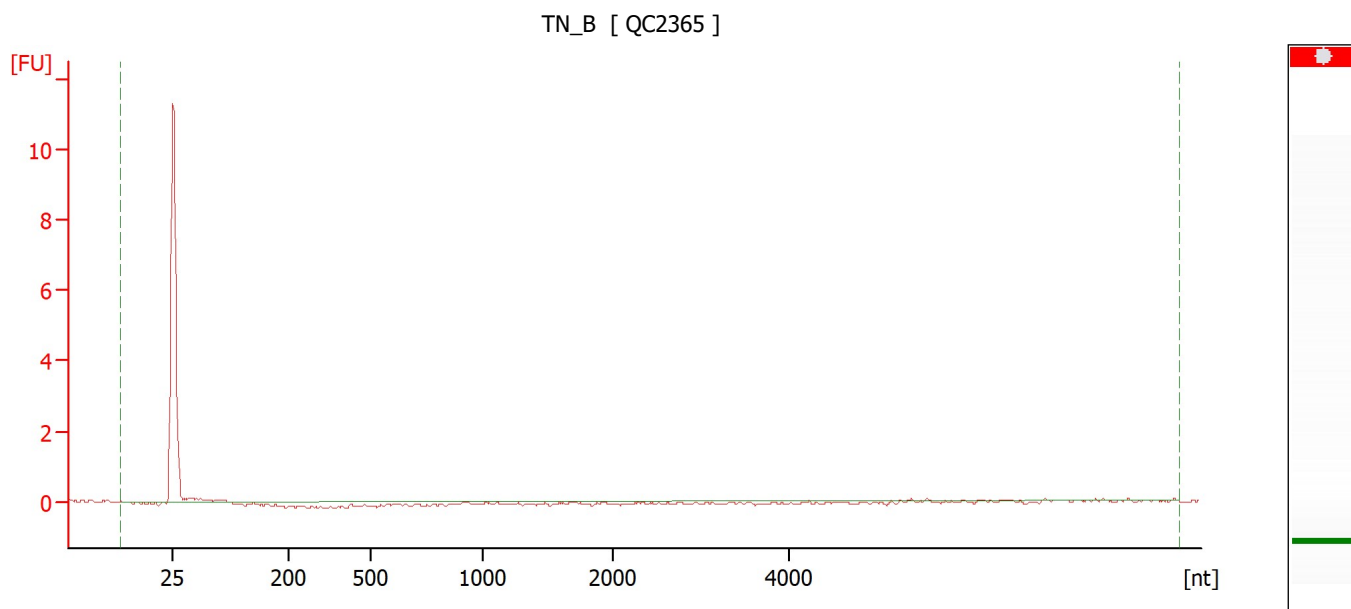
Created: 12/2/2025 1:34:43 PM
Modified: 12/2/2025 2:14:40 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : HS_A**

RNA Area:	3.1	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	25 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-12-02\QC2368.xad

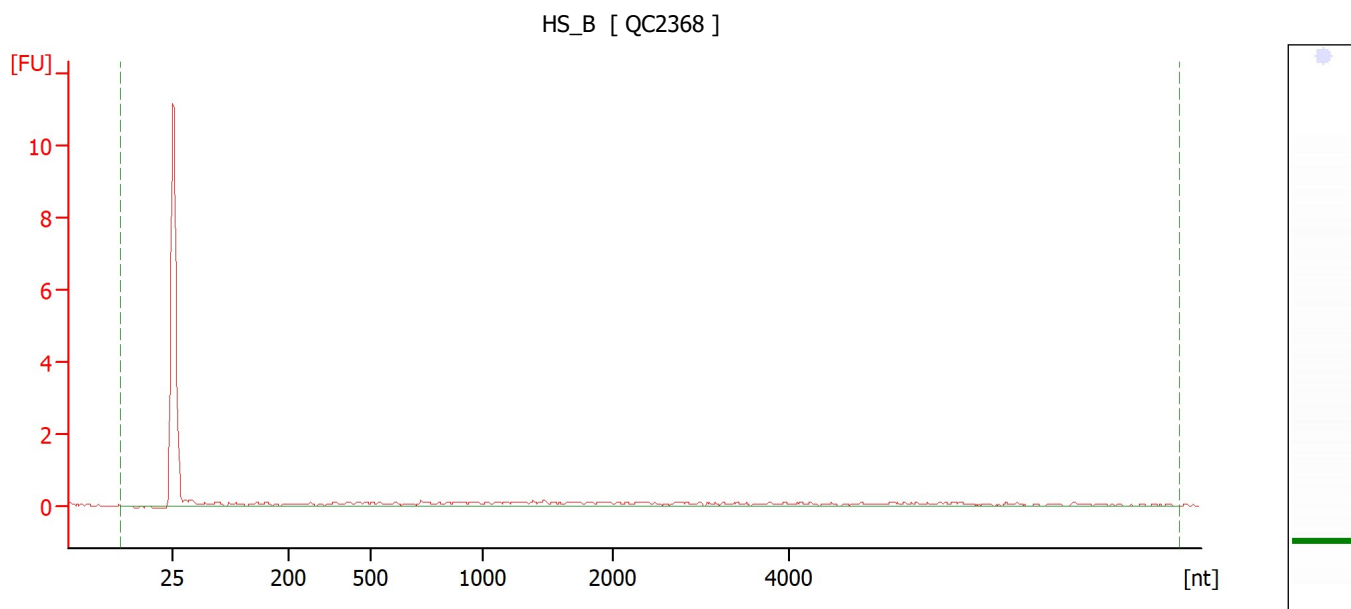
Created: 12/2/2025 1:34:43 PM
Modified: 12/2/2025 2:14:40 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : TN_B**

RNA Area:	0.4	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	4 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-12-02\QC2368.xad

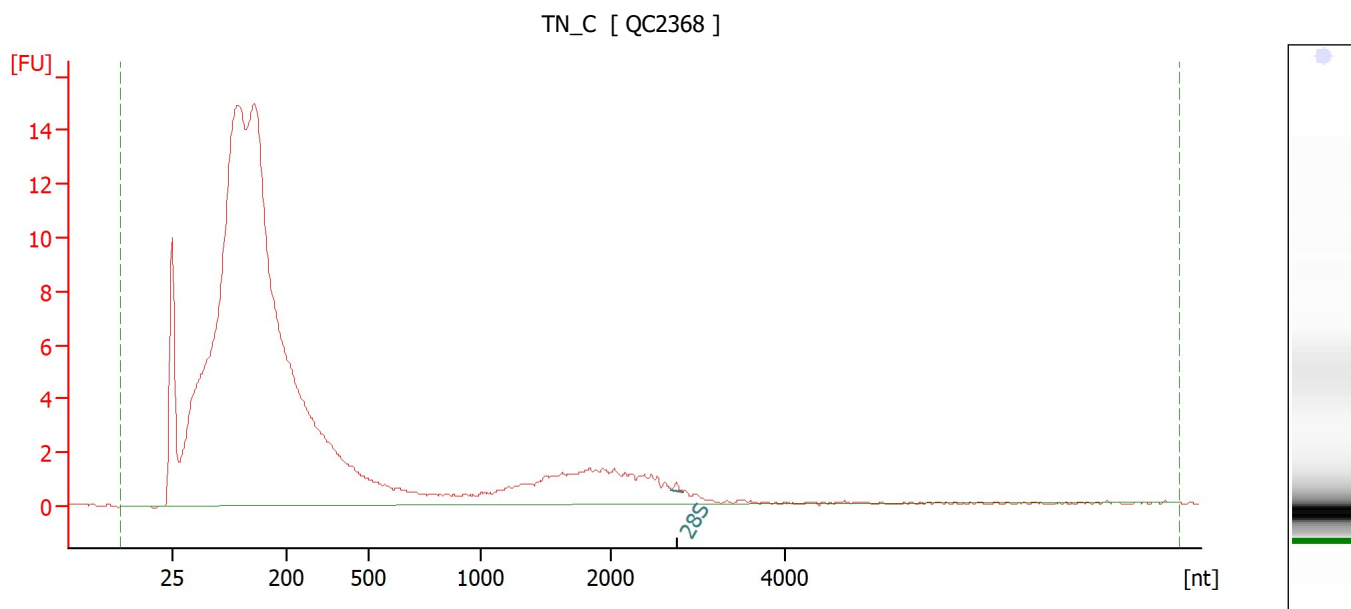
Created: 12/2/2025 1:34:43 PM
Modified: 12/2/2025 2:14:40 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : HS_B**

RNA Area:	6.0	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	49 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-12-02\QC2368.xad

Created: 12/2/2025 1:34:43 PM
Modified: 12/2/2025 2:14:40 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : TN_C**

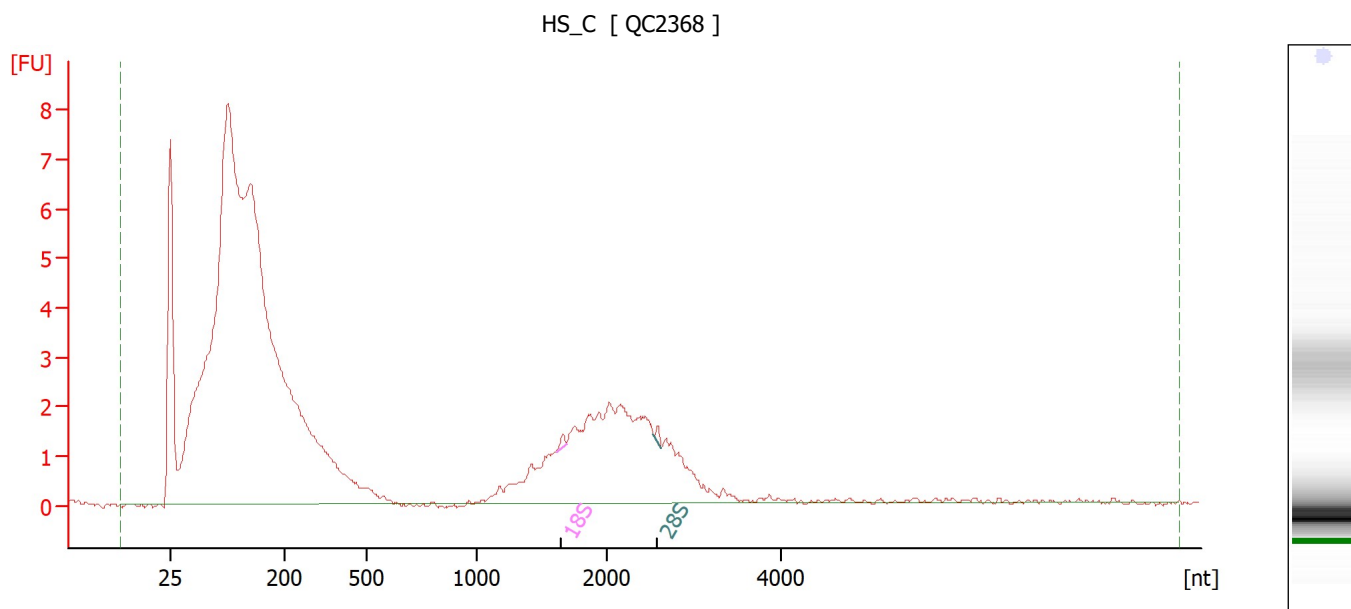
RNA Area:	243.3	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	1,976 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Fragment table for sample 5 : TN_C

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,696	2,829	0.2	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-12-02\QC2368.xad

Created: 12/2/2025 1:34:43 PM
Modified: 12/2/2025 2:14:40 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : HS_C**

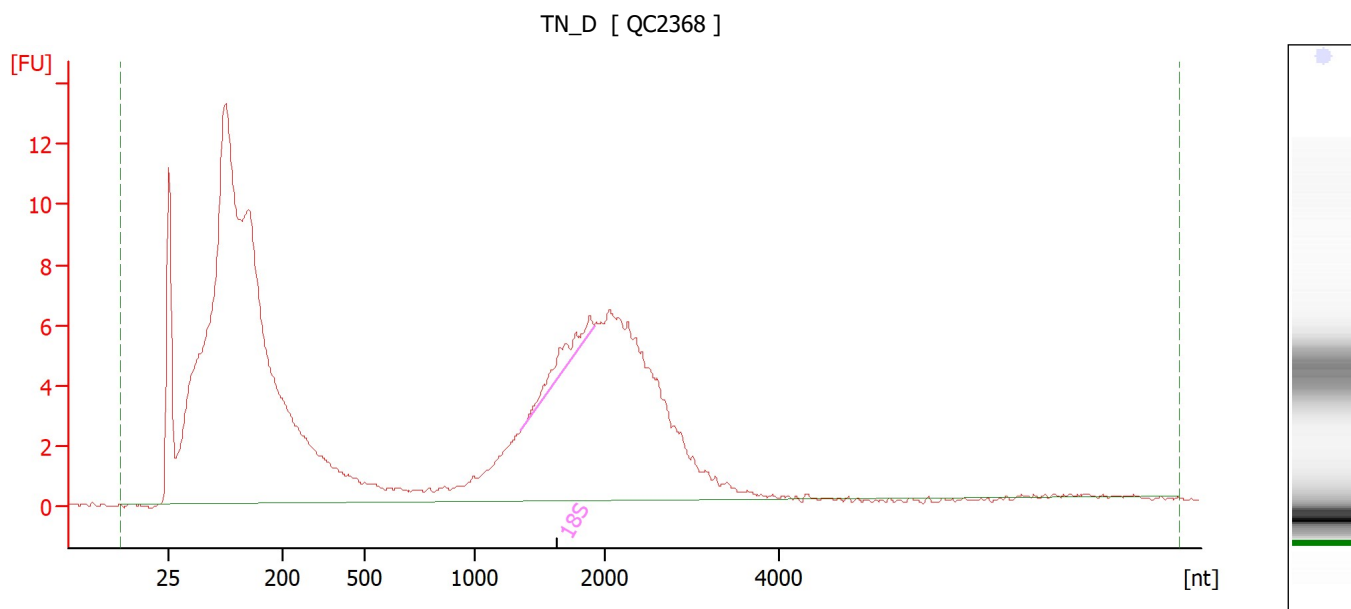
RNA Area:	130.7	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	1,062 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 2.60

Fragment table for sample 6 : HS_C

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,611	1,694	0.2	0.1
28S	2,538	2,636	0.1	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-12-02\QC2368.xad

Created: 12/2/2025 1:34:43 PM
Modified: 12/2/2025 2:14:40 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : TN_D**

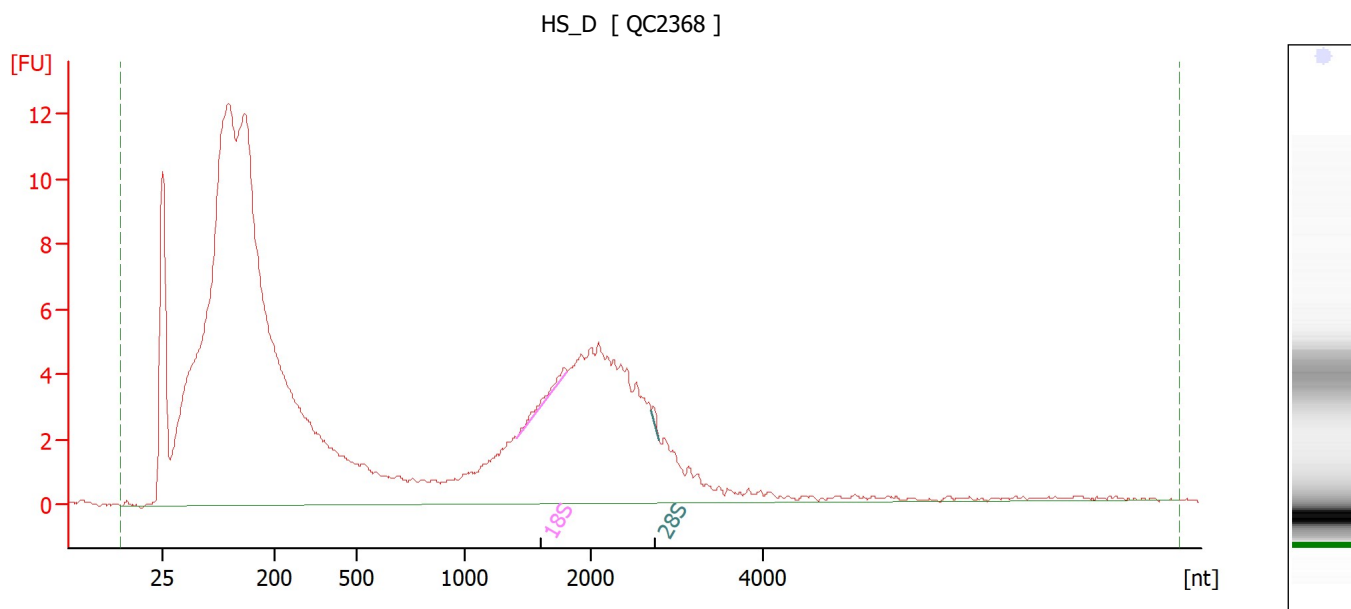
RNA Area:	264.5	RNA Integrity Number (RIN):	2.8 (B.02.10)
RNA Concentration:	2,149 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.80

Fragment table for sample 7 : TN_D

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,360	1,925	3.6	1.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-12-02\QC2368.xad

Created: 12/2/2025 1:34:43 PM
Modified: 12/2/2025 2:14:40 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : HS_D**

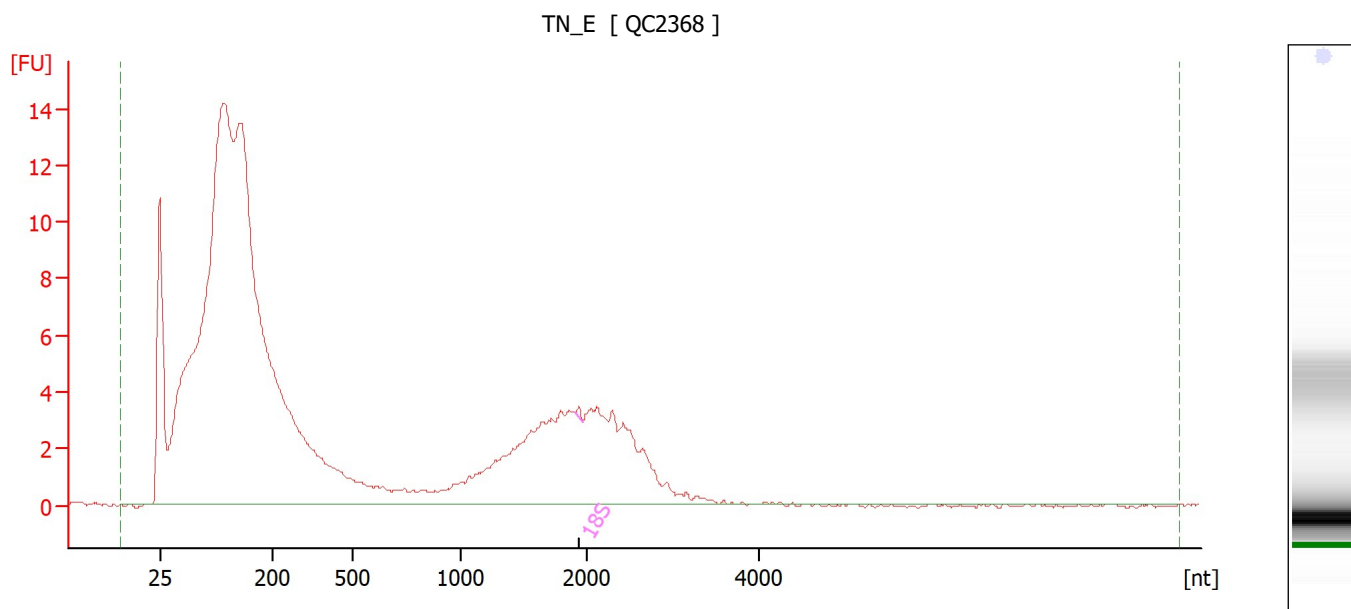
RNA Area:	270.5	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	2,197 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 2.50

Fragment table for sample 8 : HS_D

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,415	1,811	1.0	0.4
28S	2,691	2,790	0.2	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-12-02\QC2368.xad

Created: 12/2/2025 1:34:43 PM
Modified: 12/2/2025 2:14:40 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : TN_E**

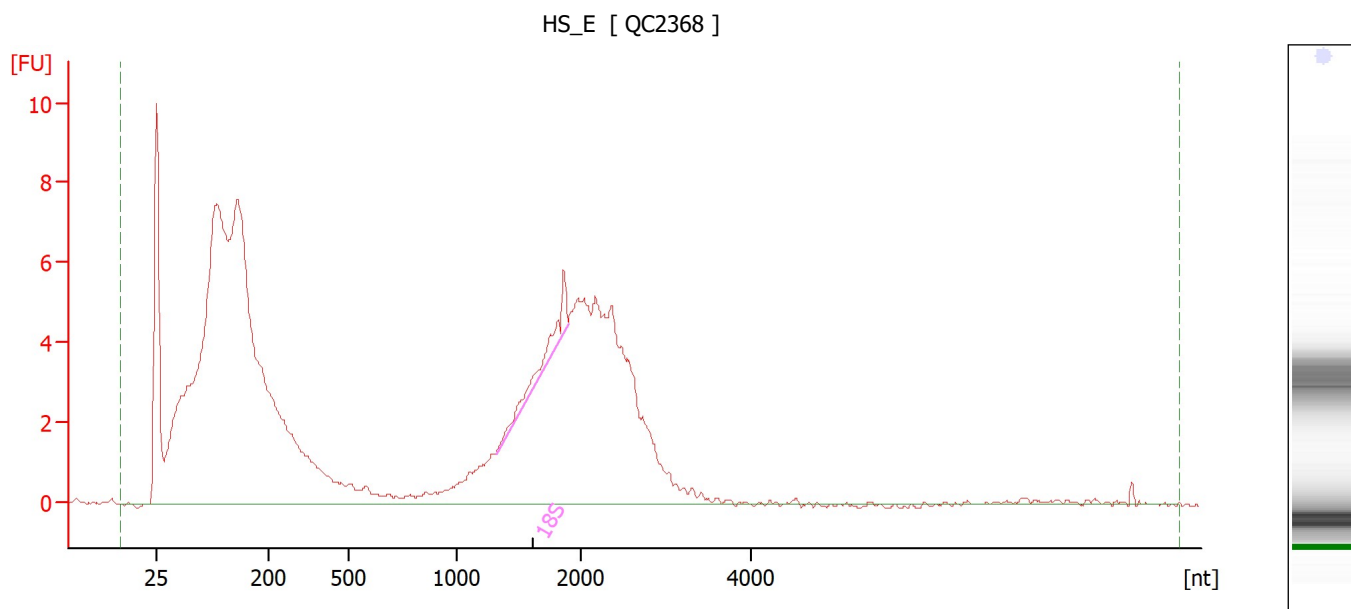
RNA Area:	260.7	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	2,118 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Fragment table for sample 9 : TN_E

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,903	1,962	0.2	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-12-02\QC2368.xad

Created: 12/2/2025 1:34:43 PM
Modified: 12/2/2025 2:14:40 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : HS_E**

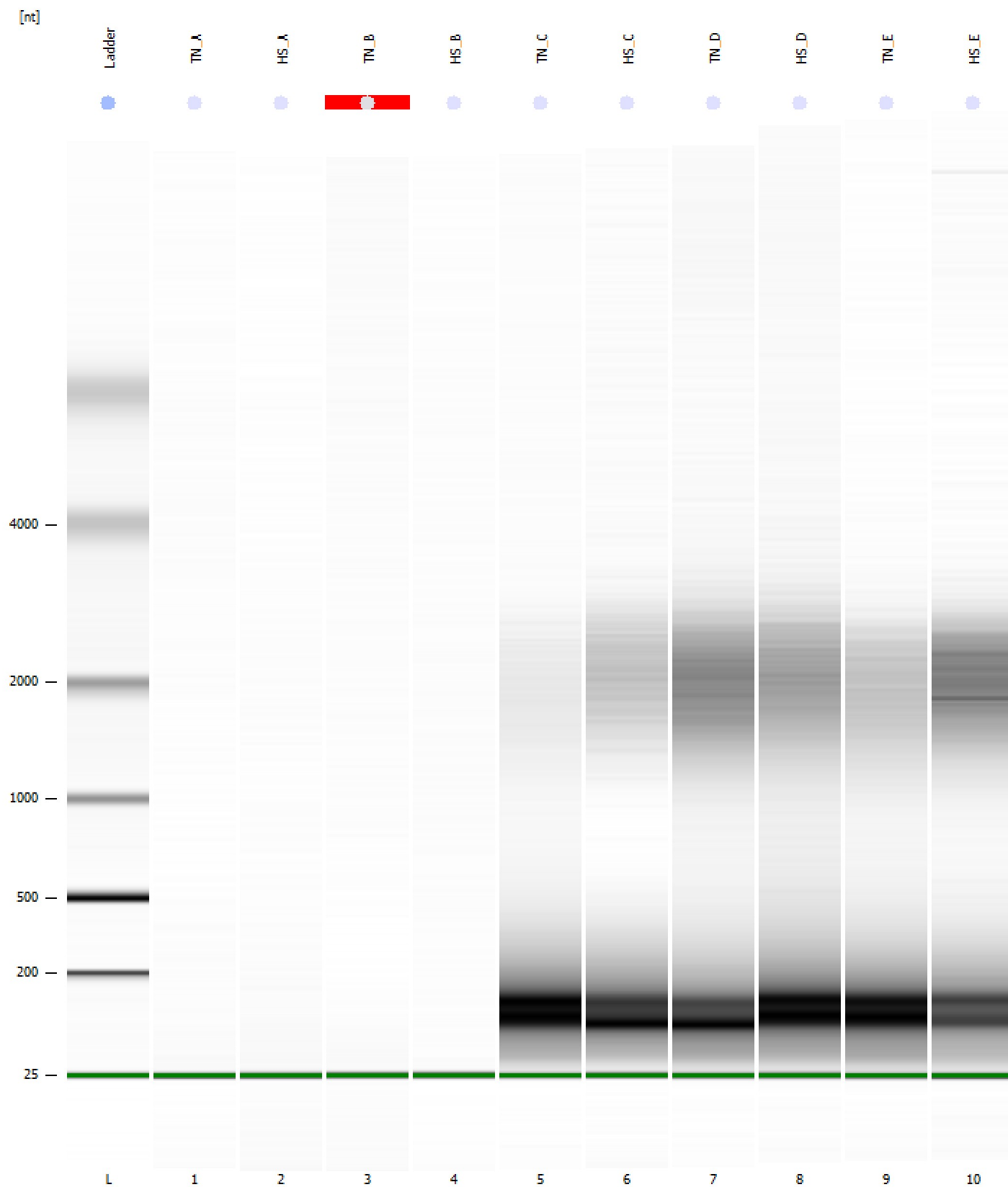
RNA Area:	186.7	RNA Integrity Number (RIN):	2.8 (B.02.10)
RNA Concentration:	1,516 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.80

Fragment table for sample 10 : HS_E

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,320	1,900	2.7	1.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-12-02\QC2368.xad

Created: 12/2/2025 1:34:43 PM
Modified: 12/2/2025 2:14:40 PM

Gel Image

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-12-02\QC2368.xad

Created: 12/2/2025 1:34:43 PM
 Modified: 12/2/2025 2:14:40 PM

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		12/2/2025 1:57:39 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2025-12-02\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2025-12-02_001.xad)		Instrument	Run		12/2/2025 1:34:50 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/2/2025 1:34:50 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/2/2025 1:34:50 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/2/2025 1:34:50 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/2/2025 1:34:50 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/2/2025 1:34:50 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/2/2025 1:34:50 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB