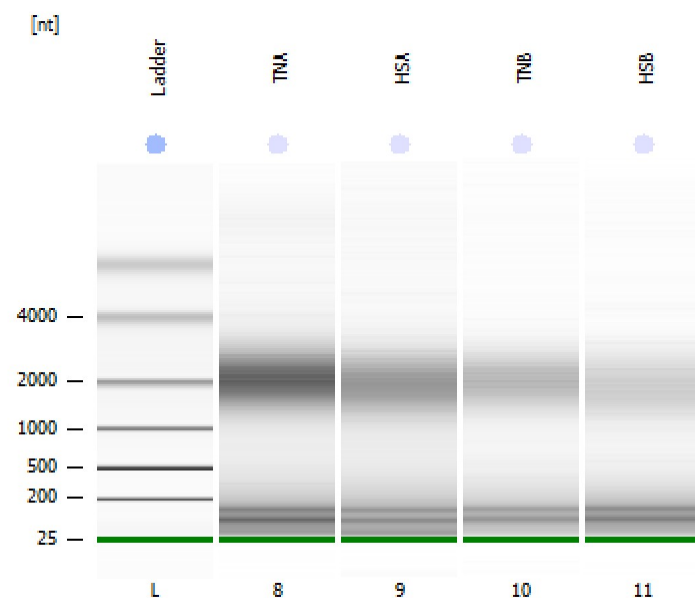


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-11-21\QC2353.xad

Created: 11/21/2025 3:19:05 PM
Modified: 11/21/2025 3:47:05 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)

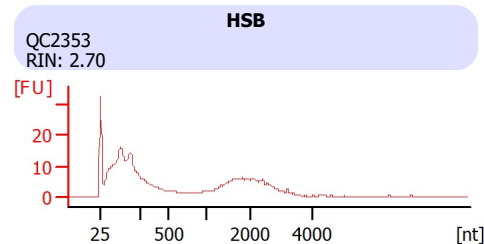
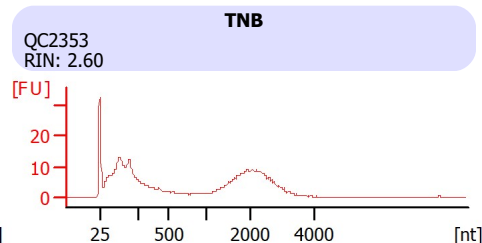
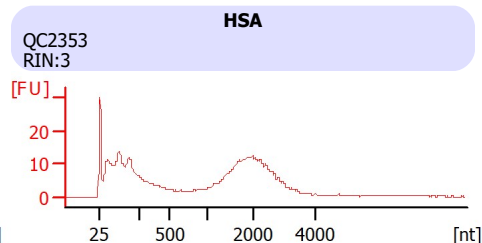
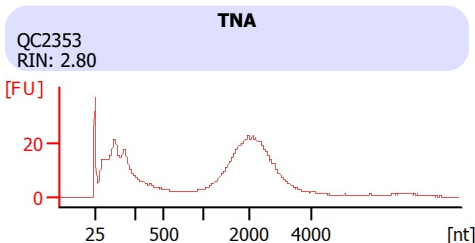
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-11-21\QC2353.xad

Created: 11/21/2025 3:19:05 PM
Modified: 11/21/2025 3:47:05 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
TNA	QC2353	✓	RIN: 2.80	
HSA	QC2353	✓	RIN:3	
TNB	QC2353	✓	RIN: 2.60	
HSB	QC2353	✓	RIN: 2.70	
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\2025-11-21\QC2353.xad

Created: 11/21/2025 3:19:05 PM
Modified: 11/21/2025 3:47:05 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

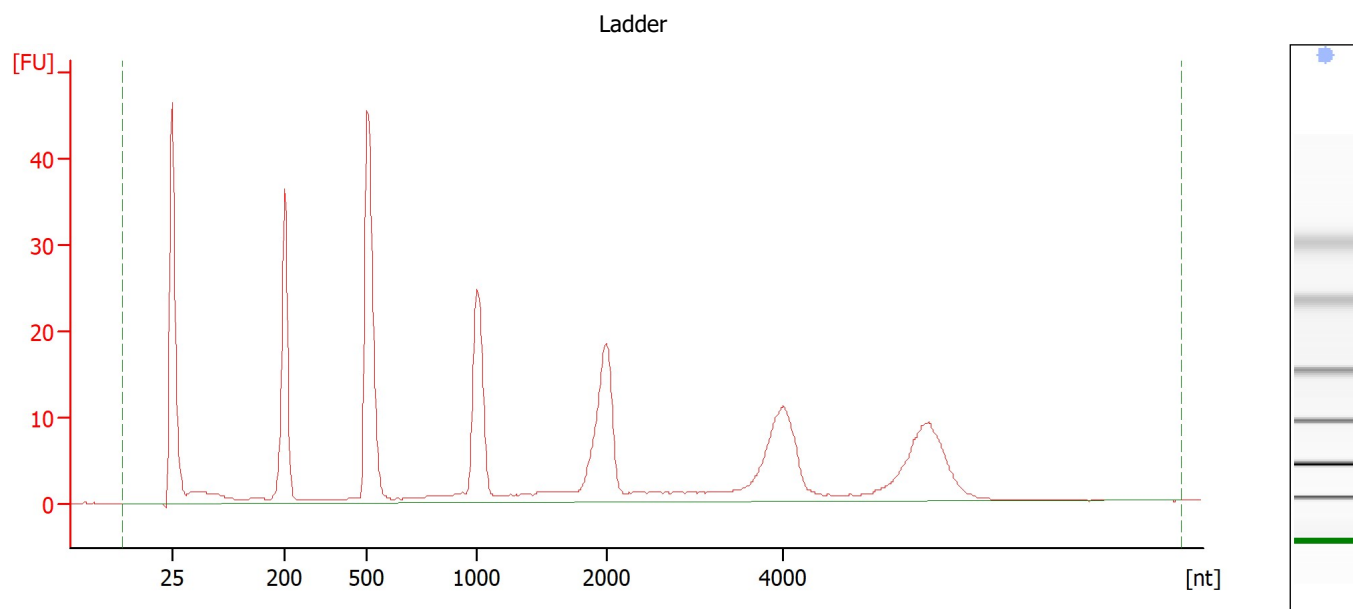
Ladder

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\2025-11-21\QC2353.xad

Created: 11/21/2025 3:19:05 PM
Modified: 11/21/2025 3:47:05 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 312.5

Result Flagging Color:



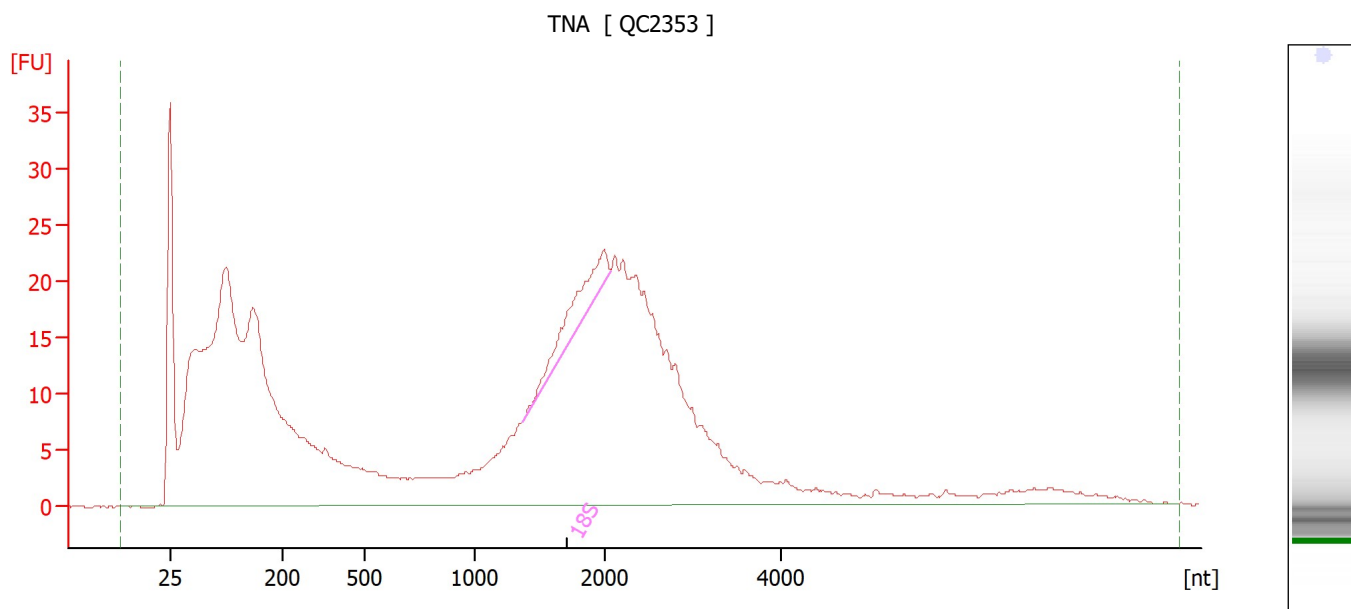
RNA Concentration: 1,000 pg/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-11-21\QC2353.xad

Created: 11/21/2025 3:19:05 PM
Modified: 11/21/2025 3:47:05 PM

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

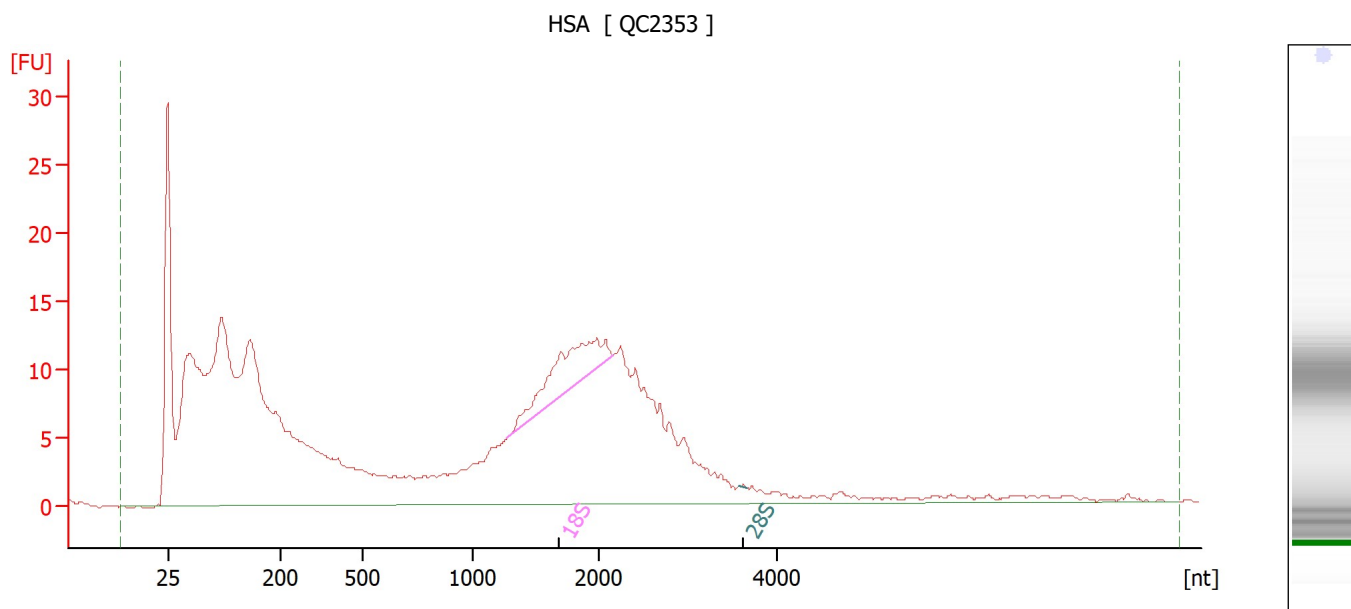
RNA Area:	775.4	RNA Integrity Number (RIN):	2.8 (B.02.10)
RNA Concentration:	2,481 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.80

Fragment table for sample 8 : TNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,366	2,084	19.2	2.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-11-21\QC2353.xad

Created: 11/21/2025 3:19:05 PM
Modified: 11/21/2025 3:47:05 PM

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

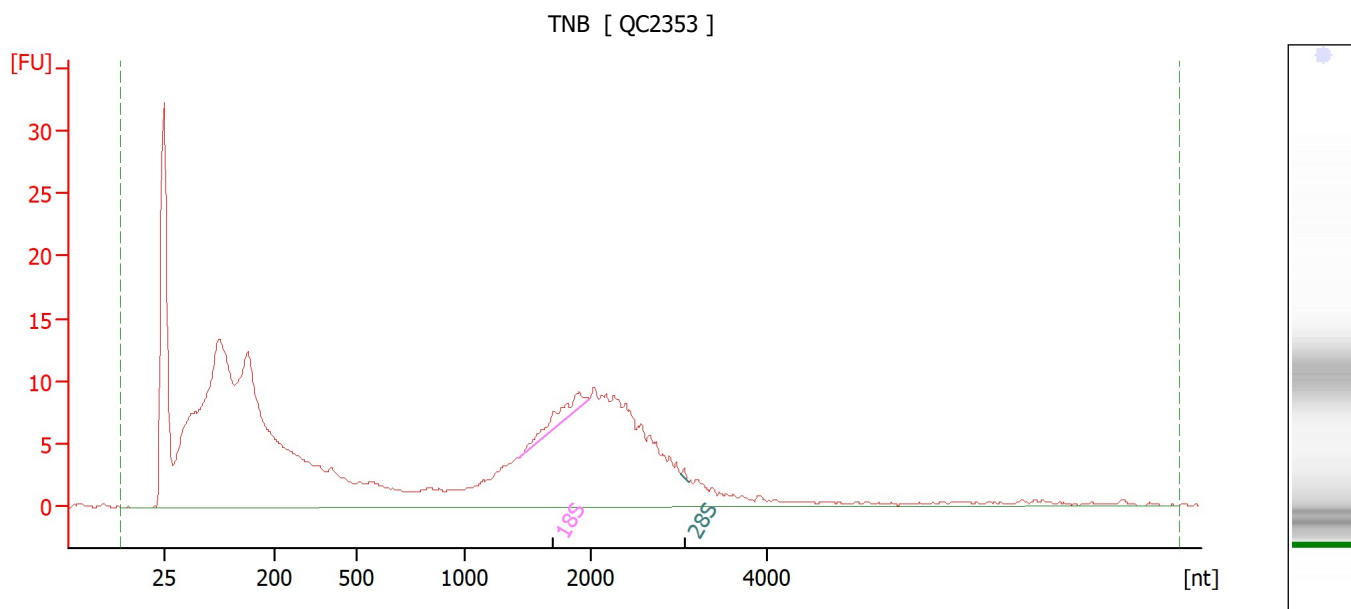
RNA Area:	509.3	RNA Integrity Number (RIN):	3 (B.02.10)
RNA Concentration:	1,630 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:3

Fragment table for sample 9 : HSA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,278	2,155	22.2	4.4
28S	3,583	3,668	0.1	0.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-11-21\QC2353.xad

Created: 11/21/2025 3:19:05 PM
Modified: 11/21/2025 3:47:05 PM

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

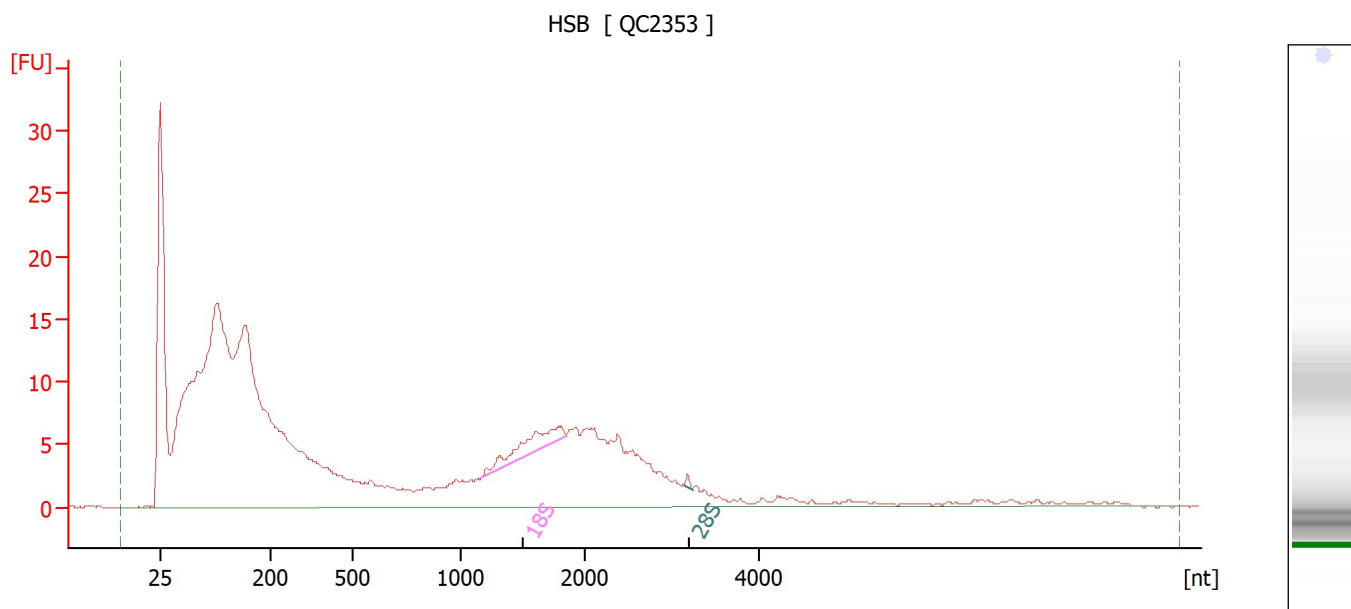
RNA Area:	398.4	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	1,275 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Fragment table for sample 10 : TNB

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,430	1,979	6.1	1.5
28S	3,021	3,106	0.3	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-11-21\QC2353.xad

Created: 11/21/2025 3:19:05 PM
Modified: 11/21/2025 3:47:05 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : HSB**

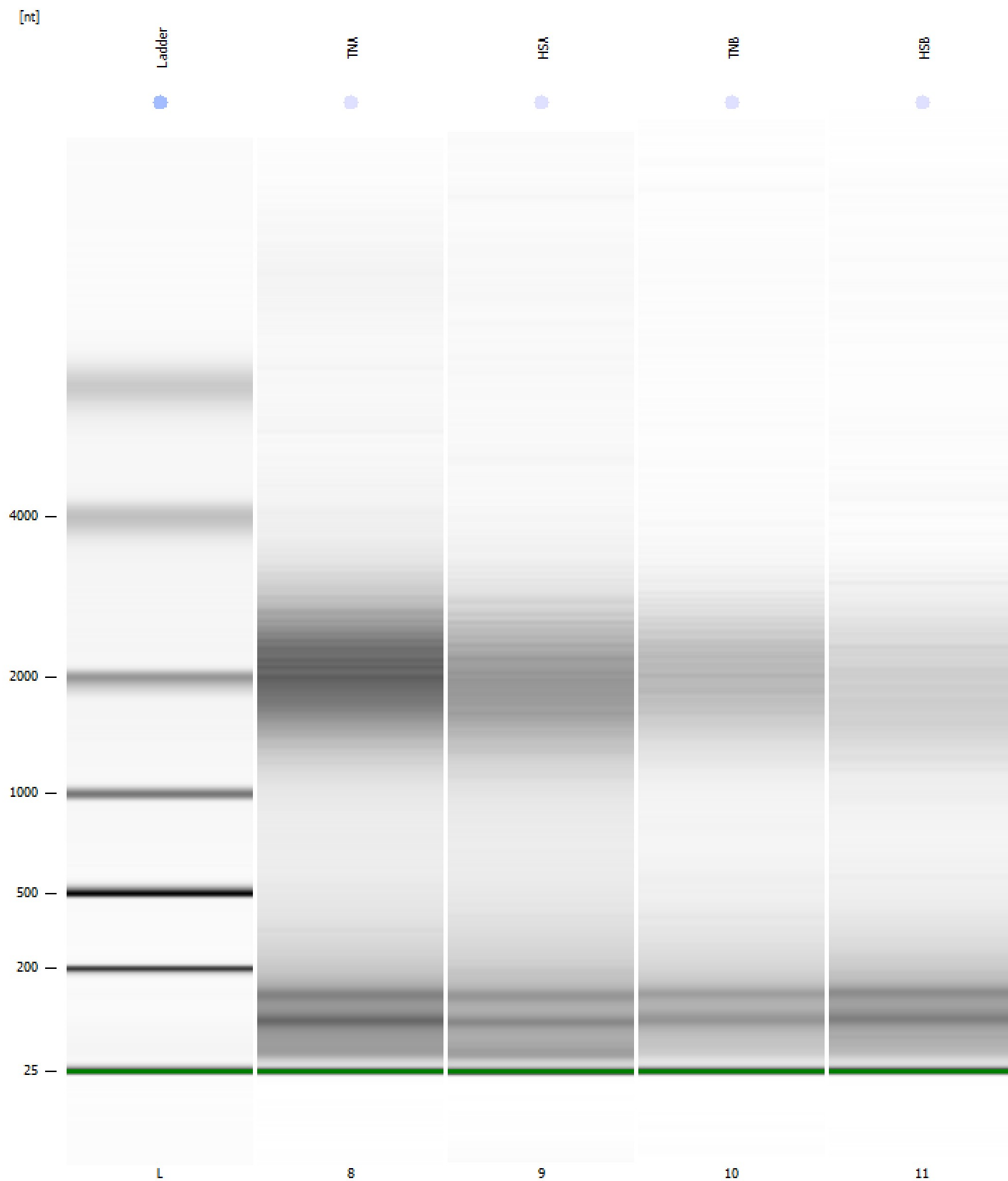
RNA Area:	424.0	RNA Integrity Number (RIN):	2.7 (B.02.10)
RNA Concentration:	1,357 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 2.70

Fragment table for sample 11 : HSB

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,169	1,850	8.9	2.1
28S	3,136	3,234	0.5	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-11-21\QC2353.xad

Created: 11/21/2025 3:19:05 PM
Modified: 11/21/2025 3:47:05 PM

Gel Image

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-11-21\QC2353.xad

Created: 11/21/2025 3:19:05 PM
 Modified: 11/21/2025 3:47:05 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		11/21/2025 3:42:01 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\2025-11-21\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2025-11-21_001.xad)		Instrument	Run		11/21/2025 3:19:12 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		11/21/2025 3:19:12 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		11/21/2025 3:19:12 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		11/21/2025 3:19:12 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		11/21/2025 3:19:12 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		11/21/2025 3:19:12 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		11/21/2025 3:19:12 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB