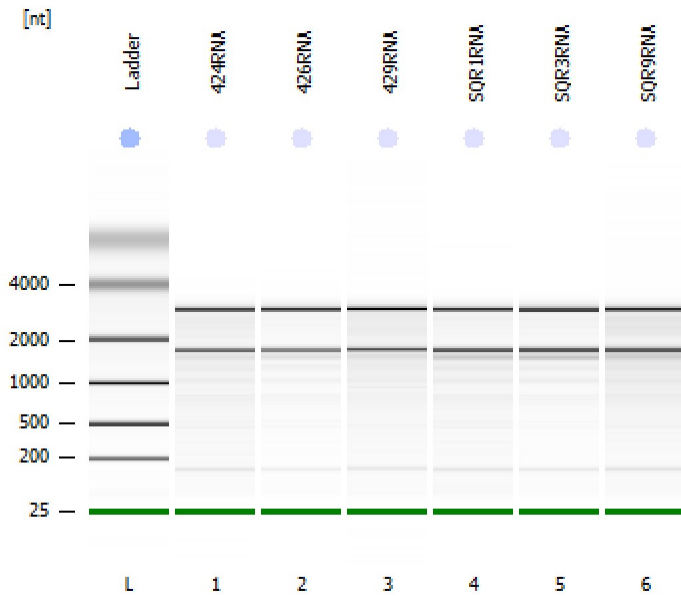


Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...analyzer1_Eukaryote Total RNA Nano_2020-10-30_001_QC714.xad

Created: 10/30/2020 3:00:50 PM
Modified: 10/30/2020 3:34:04 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 Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

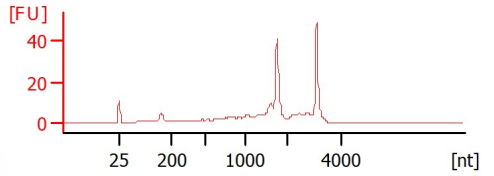
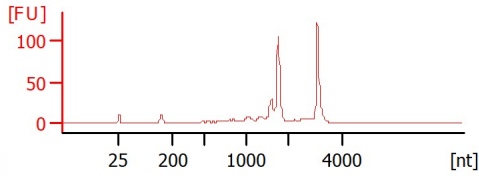
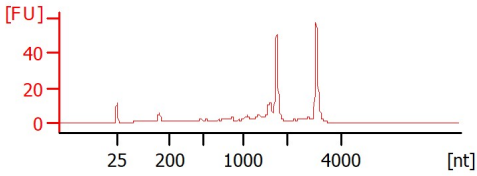
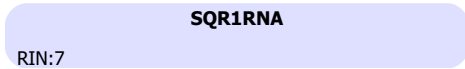
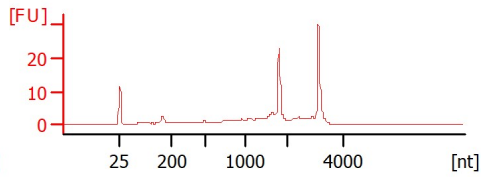
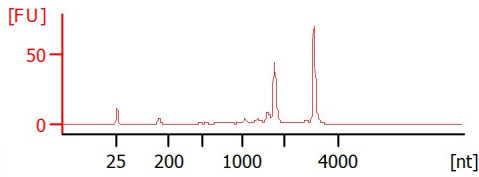
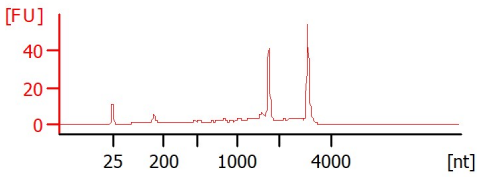
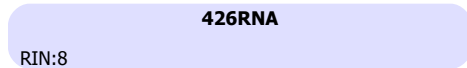
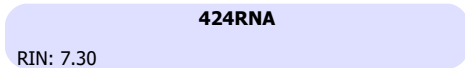
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...analyzer1_Eukaryote Total RNA Nano_2020-10-30_001_QC714.xad

Created: 10/30/2020 3:00:50 PM
 Modified: 10/30/2020 3:34:04 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
424RNA		✓	RIN: 7.30	
426RNA		✓	RIN:8	
429RNA		✓	RIN: 7.30	
SQR1RNA		✓	RIN:7	
SQR3RNA		✓	RIN: 7.50	
SQR9RNA		✓	RIN:7	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...analyzer1_Eukaryote Total RNA Nano_2020-10-30_001_QC714.xad

Created: 10/30/2020 3:00:50 PM
 Modified: 10/30/2020 3:34:04 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
 Minimum Visible Range [s] : 17
 Maximum Visible Range [s] : 70
 Start Analysis Time Range [s] : 19
 End Analysis Time Range [s] : 69
 Ladder Concentration [ng/μl] : 150
 Lower Marker Concentration [ng/μl] : 0
 Upper Marker Concentration [ng/μl] : 0
 Used Lower Marker for Quantitation
 Standard Curve Fit is Logarithmic
 Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19
 Integration End Time [s] : 69
 Slope Threshold : 0.6
 Height Threshold [FU] : 0.5
 Area Threshold : 0.2
 Width Threshold [s] : 0.5
 Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
 Polynomial Order : 4

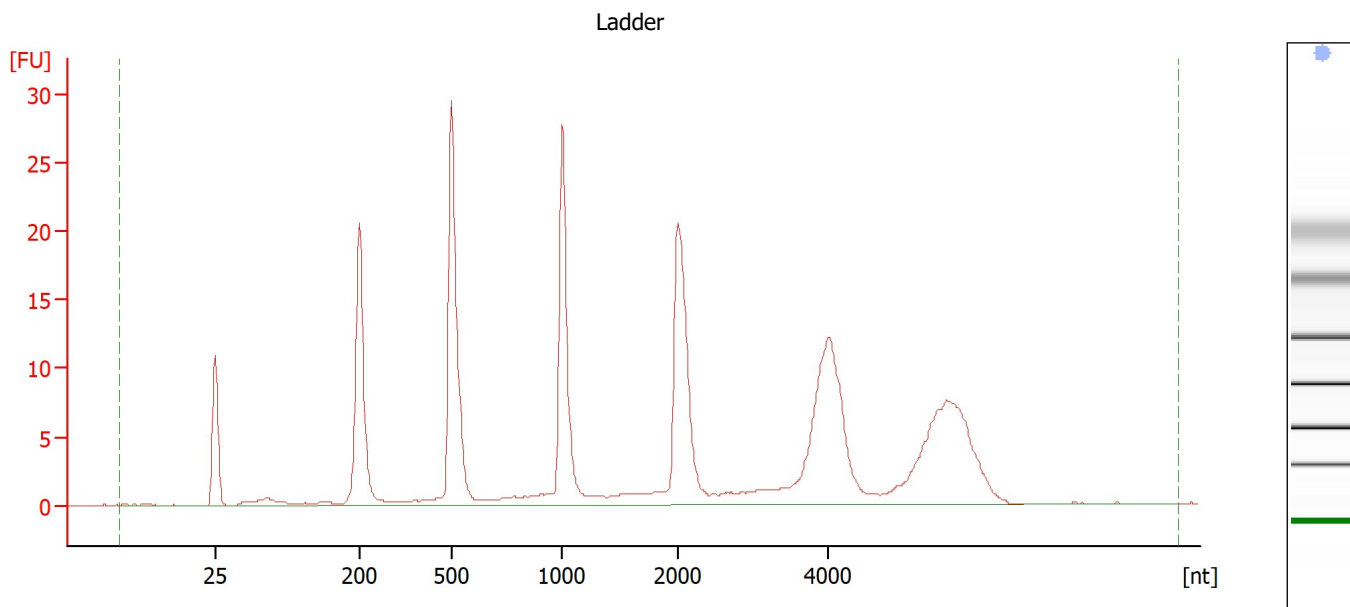
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...analyzer1_Eukaryote Total RNA Nano_2020-10-30_001_QC714.xad

Created: 10/30/2020 3:00:50 PM
Modified: 10/30/2020 3:34:04 PM

Electropherogram Summary



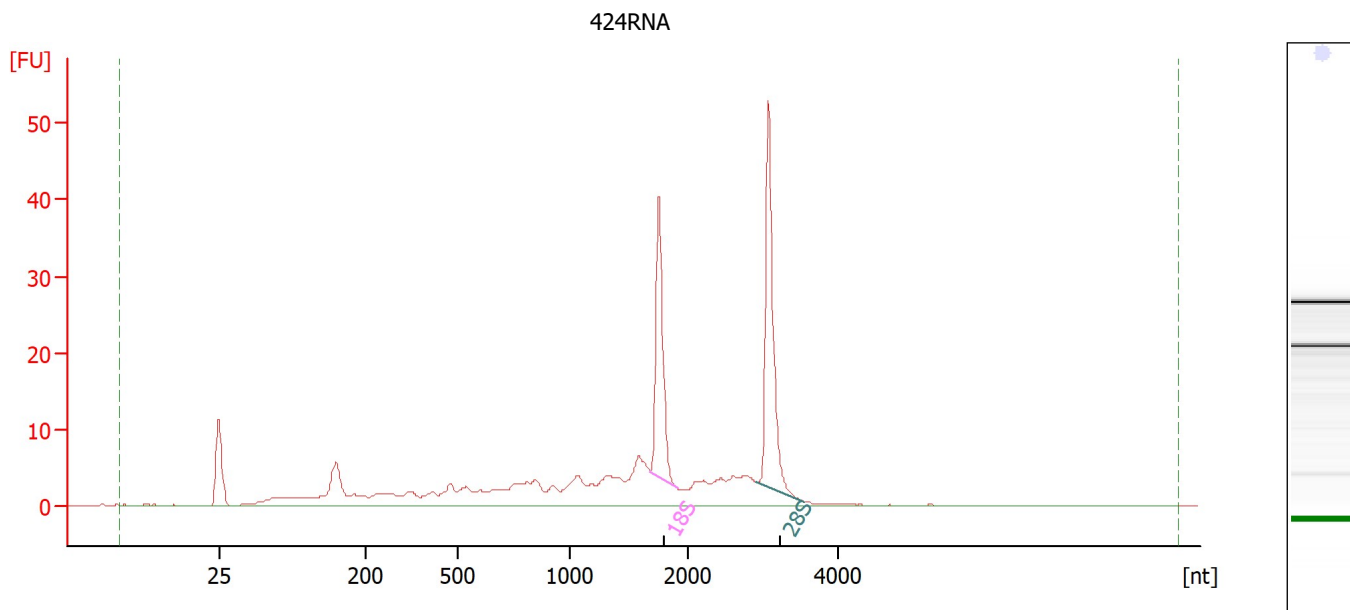
Overall Results for Ladder

RNA Area:	228.6	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...analyzer1_Eukaryote Total RNA Nano_2020-10-30_001_QC714.xad

Created: 10/30/2020 3:00:50 PM
 Modified: 10/30/2020 3:34:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 424RNA

RNA Area:	228.4	RNA Integrity Number (RIN):	7.3 (B.02.10)
RNA Concentration:	150 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 7.30

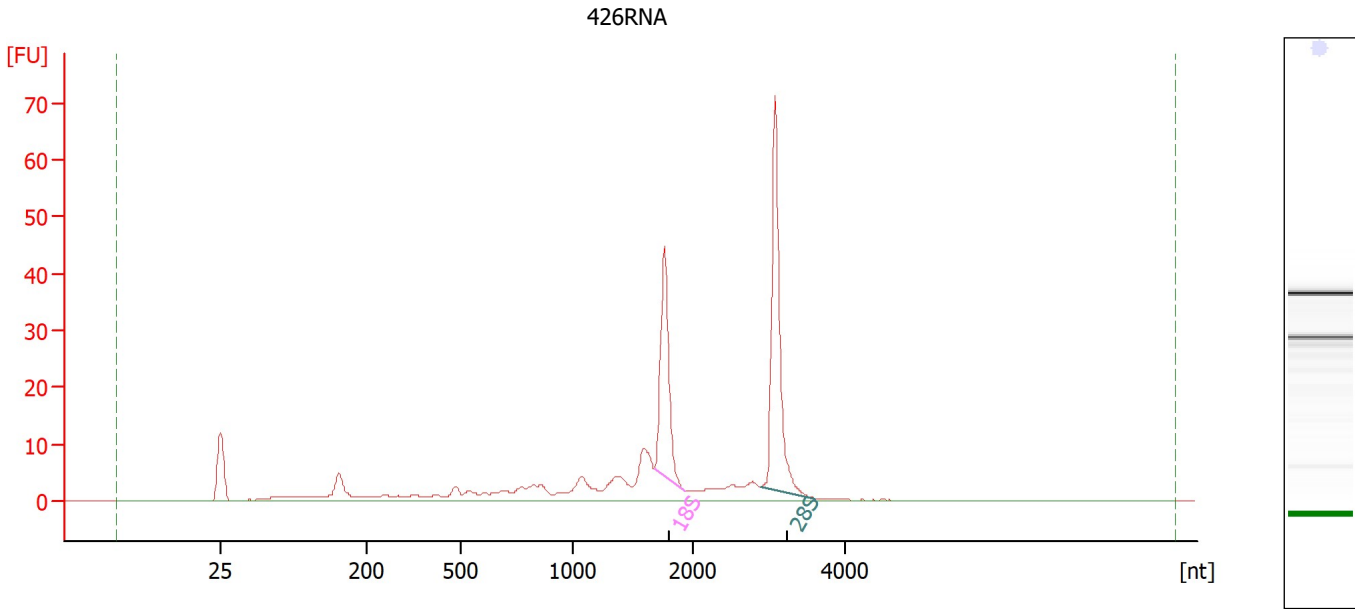
Fragment table for sample 1 : 424RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,684	1,921	31.1	13.6
28S	2,926	3,563	41.0	18.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...analyzer1_Eukaryote Total RNA Nano_2020-10-30_001_QC714.xad

Created: 10/30/2020 3:00:50 PM
 Modified: 10/30/2020 3:34:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 426RNA

RNA Area:	226.4	RNA Integrity Number (RIN):	8 (B.02.10)
RNA Concentration:	149 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN:8

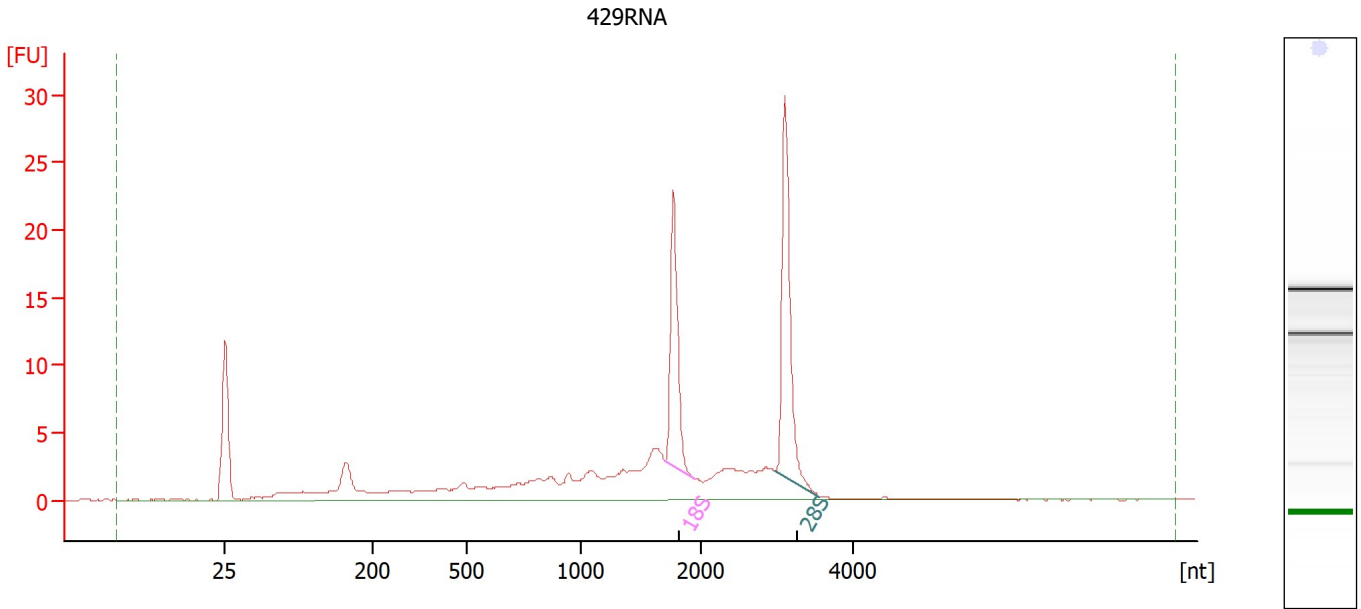
Fragment table for sample 2 : 426RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,681	1,934	39.2	17.3
28S	2,909	3,612	57.8	25.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...analyzer1_Eukaryote Total RNA Nano_2020-10-30_001_QC714.xad

Created: 10/30/2020 3:00:50 PM
 Modified: 10/30/2020 3:34:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 429RNA

RNA Area:	128.1	RNA Integrity Number (RIN):	7.3 (B.02.10)
RNA Concentration:	84 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 7.30

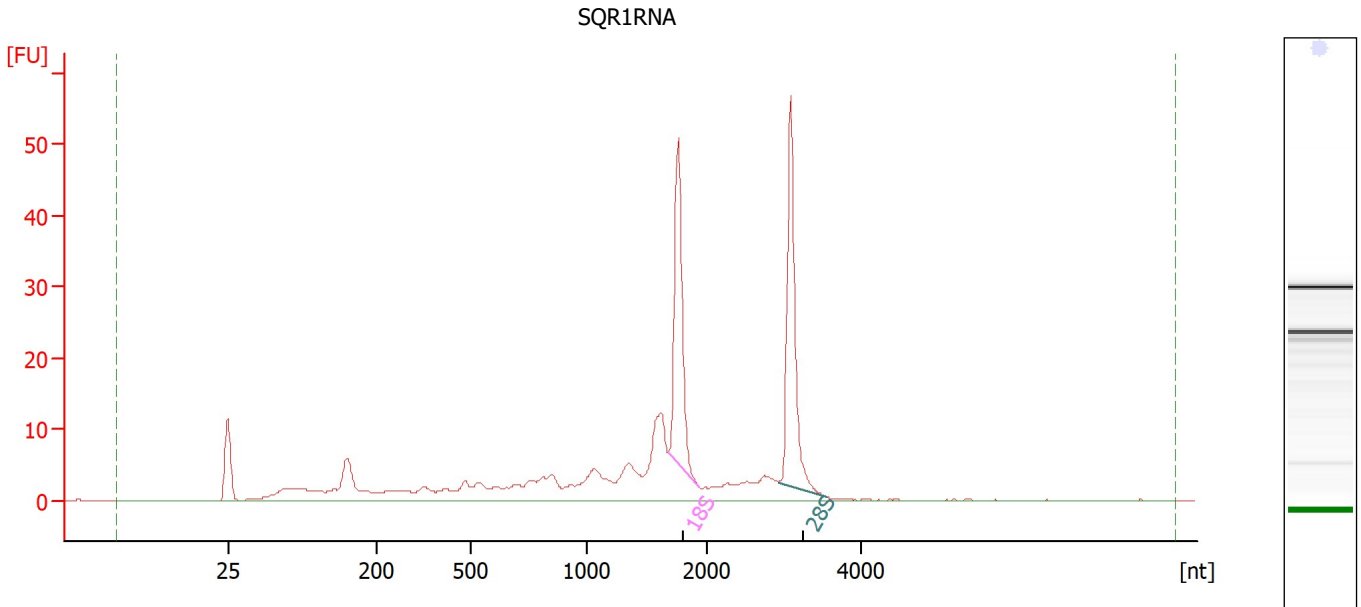
Fragment table for sample 3 : 429RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,705	1,947	16.8	13.1
28S	2,977	3,548	22.9	17.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...analyzer1_Eukaryote Total RNA Nano_2020-10-30_001_QC714.xad

Created: 10/30/2020 3:00:50 PM
 Modified: 10/30/2020 3:34:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : SQR1RNA

RNA Area:	253.6	RNA Integrity Number (RIN):	7 (B.02.10)
RNA Concentration:	166 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN:7

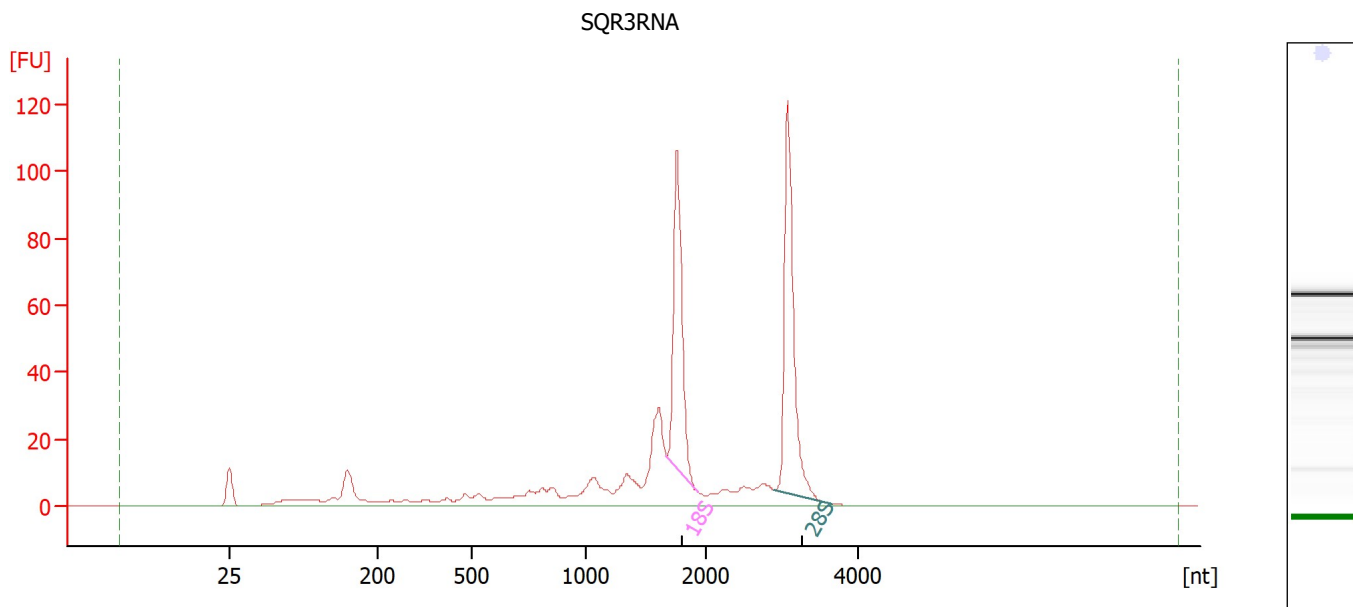
Fragment table for sample 4 : SQR1RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,683	1,941	39.9	15.7
28S	2,933	3,557	43.8	17.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...analyzer1_Eukaryote Total RNA Nano_2020-10-30_001_QC714.xad

Created: 10/30/2020 3:00:50 PM
 Modified: 10/30/2020 3:34:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : SQR3RNA

RNA Area:	483.3	RNA Integrity Number (RIN):	7.5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	317 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 7.50

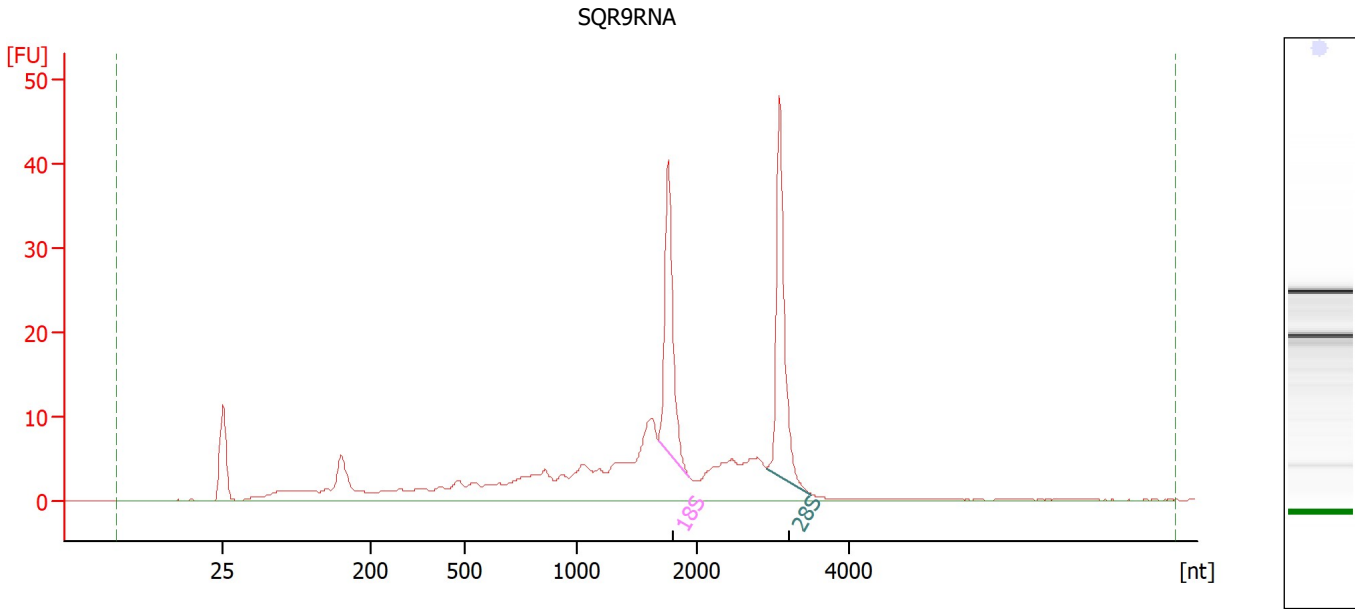
Fragment table for sample 5 : SQR3RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,671	1,930	92.7	19.2
28S	2,893	3,644	109.2	22.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...analyzer1_Eukaryote Total RNA Nano_2020-10-30_001_QC714.xad

Created: 10/30/2020 3:00:50 PM
 Modified: 10/30/2020 3:34:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : SQR9RNA

RNA Area:	253.0	RNA Integrity Number (RIN):	7 (B.02.10)
RNA Concentration:	166 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN:7

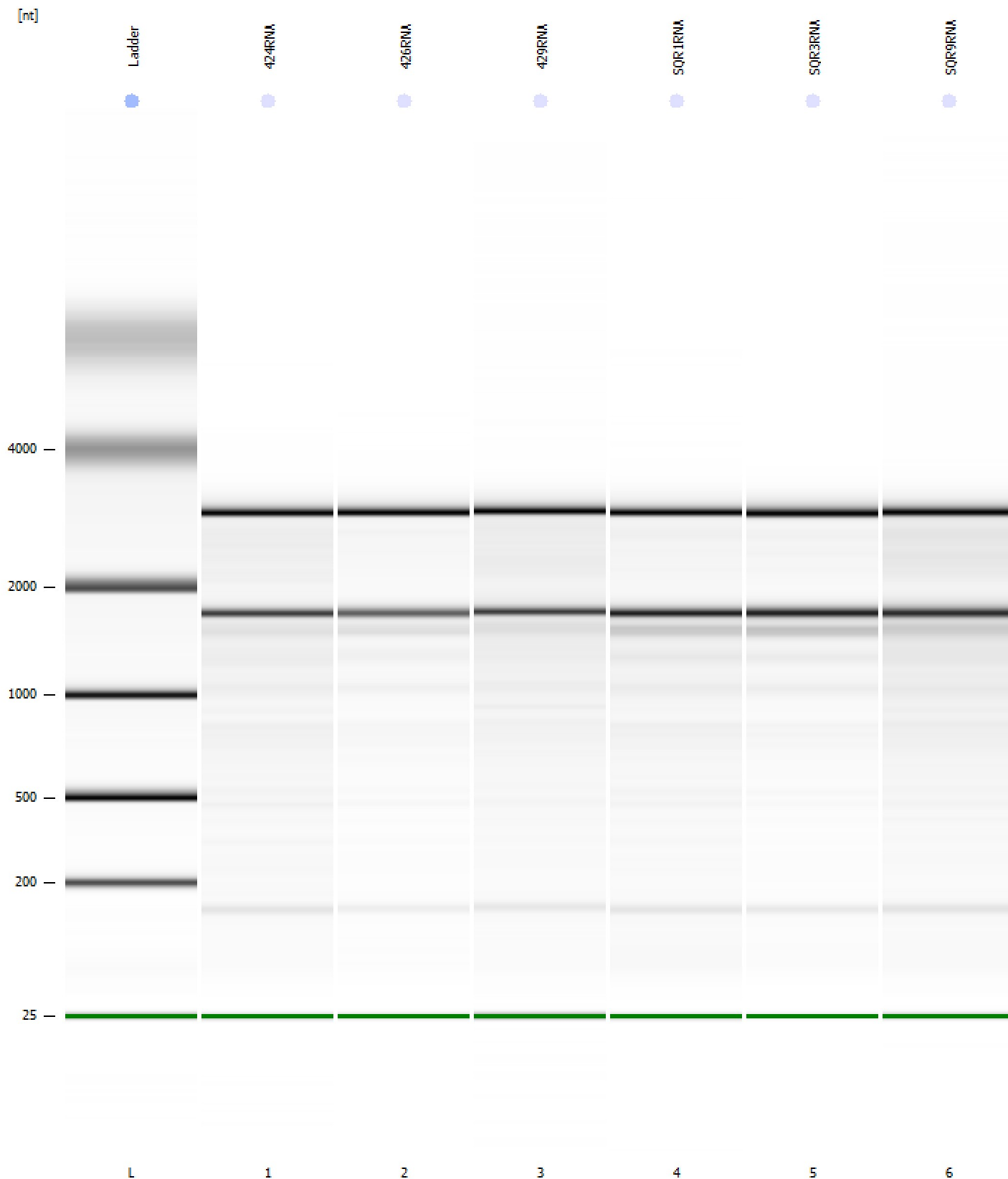
Fragment table for sample 6 : SQR9RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,684	1,945	34.1	13.5
28S	2,922	3,510	38.3	15.2

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...analyzer1_Eukaryote Total RNA Nano_2020-10-30_001_QC714.xad

Created: 10/30/2020 3:00:50 PM
Modified: 10/30/2020 3:34:04 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano Created: 10/30/2020 3:00:50 PM
 Data Path: Z:\...analyzer1_Eukaryote Total RNA Nano_2020-10-30_001_QC714.xad Modified: 10/30/2020 3:34:04 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		10/30/2020 3:23:15 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-10-30\Bioanalyzer1_Eukaryote Total RNA Nano_2020-10-30_001.xad)		Instrument	Run		10/30/2020 3:00:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/30/2020 3:00:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/30/2020 3:00:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/30/2020 3:00:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/30/2020 3:00:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/30/2020 3:00:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/30/2020 3:00:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB