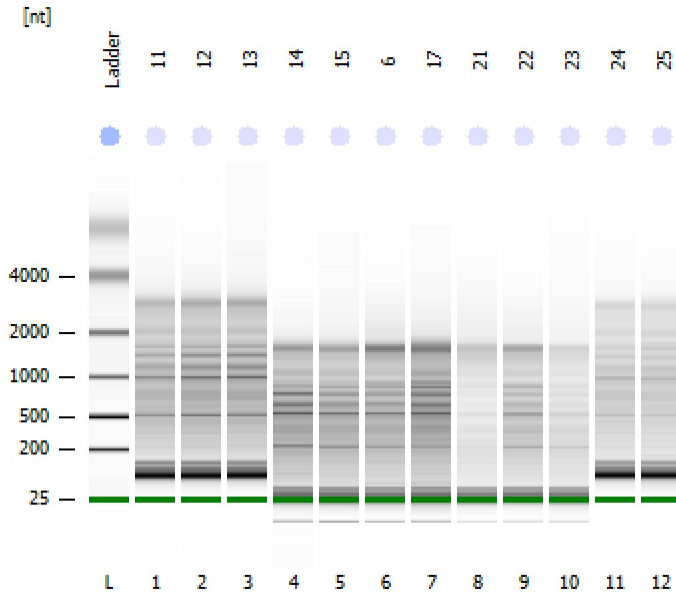


Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-16_001.xad

Created: 3/16/2020 10:37:33 AM
Modified: 3/16/2020 11:02:07 AM

Electrophoresis File Run Summary



Instrument Information:

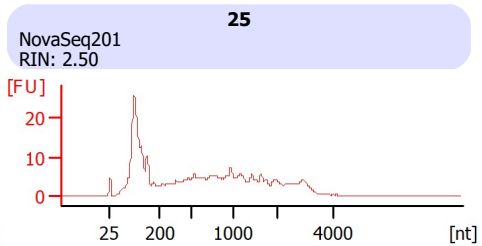
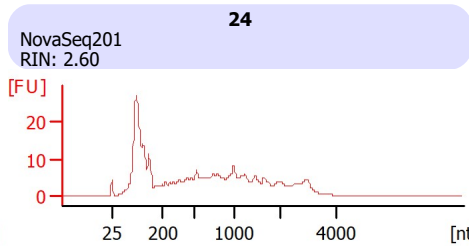
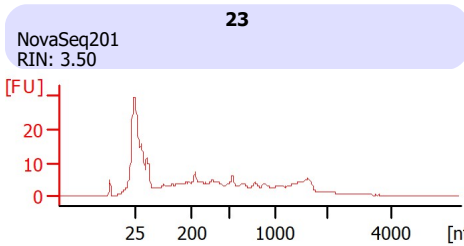
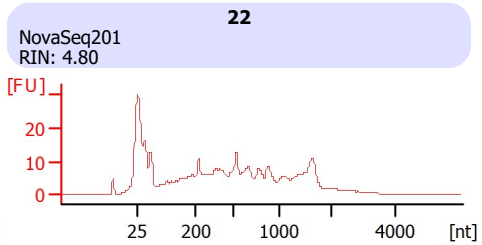
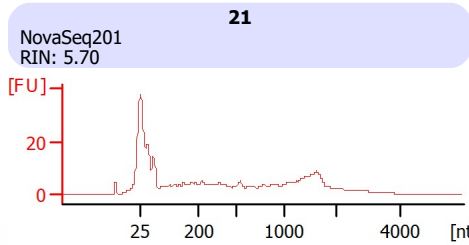
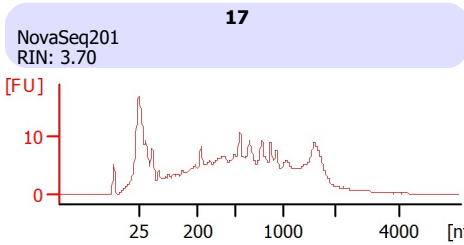
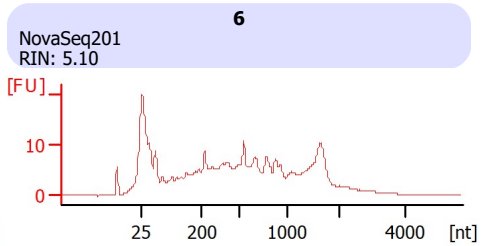
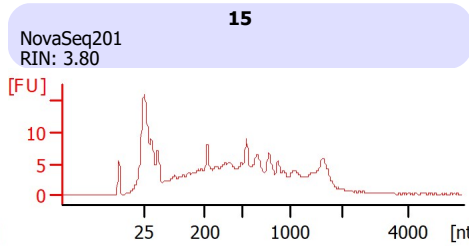
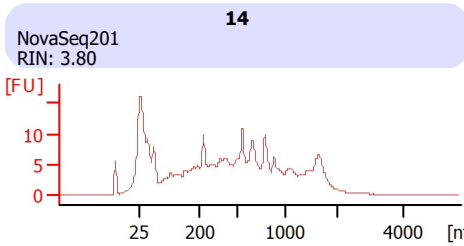
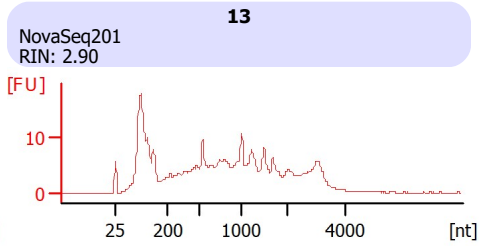
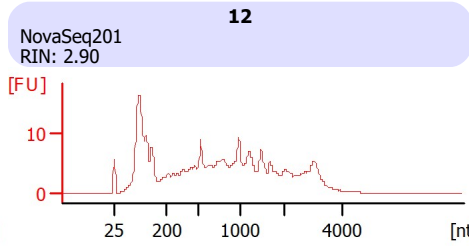
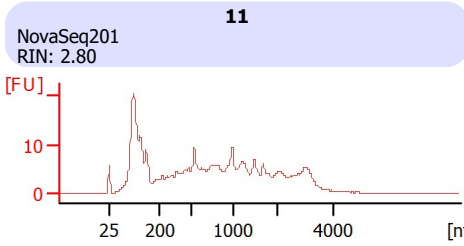
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:\...16\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-16_001.xad

Created: 3/16/2020 10:37:33 AM
 Modified: 3/16/2020 11:02:07 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
11	NovaSeq201	✓	RIN: 2.80	
12	NovaSeq201	✓	RIN: 2.90	
13	NovaSeq201	✓	RIN: 2.90	
14	NovaSeq201	✓	RIN: 3.80	
15	NovaSeq201	✓	RIN: 3.80	
6	NovaSeq201	✓	RIN: 5.10	
17	NovaSeq201	✓	RIN: 3.70	
21	NovaSeq201	✓	RIN: 5.70	
22	NovaSeq201	✓	RIN: 4.80	
23	NovaSeq201	✓	RIN: 3.50	
24	NovaSeq201	✓	RIN: 2.60	
25	NovaSeq201	✓	RIN: 2.50	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-16_001.xad

Created: 3/16/2020 10:37:33 AM
 Modified: 3/16/2020 11:02:07 AM

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

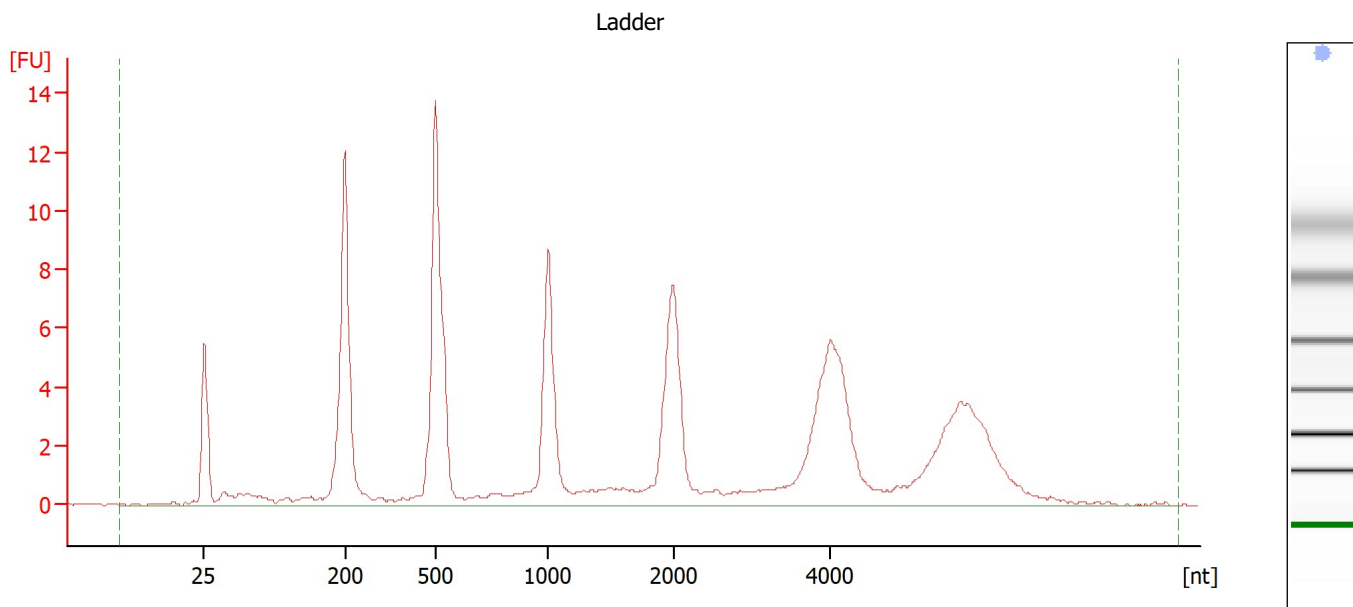
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-16_001.xad

Created: 3/16/2020 10:37:33 AM
Modified: 3/16/2020 11:02:07 AM

Electropherogram Summary



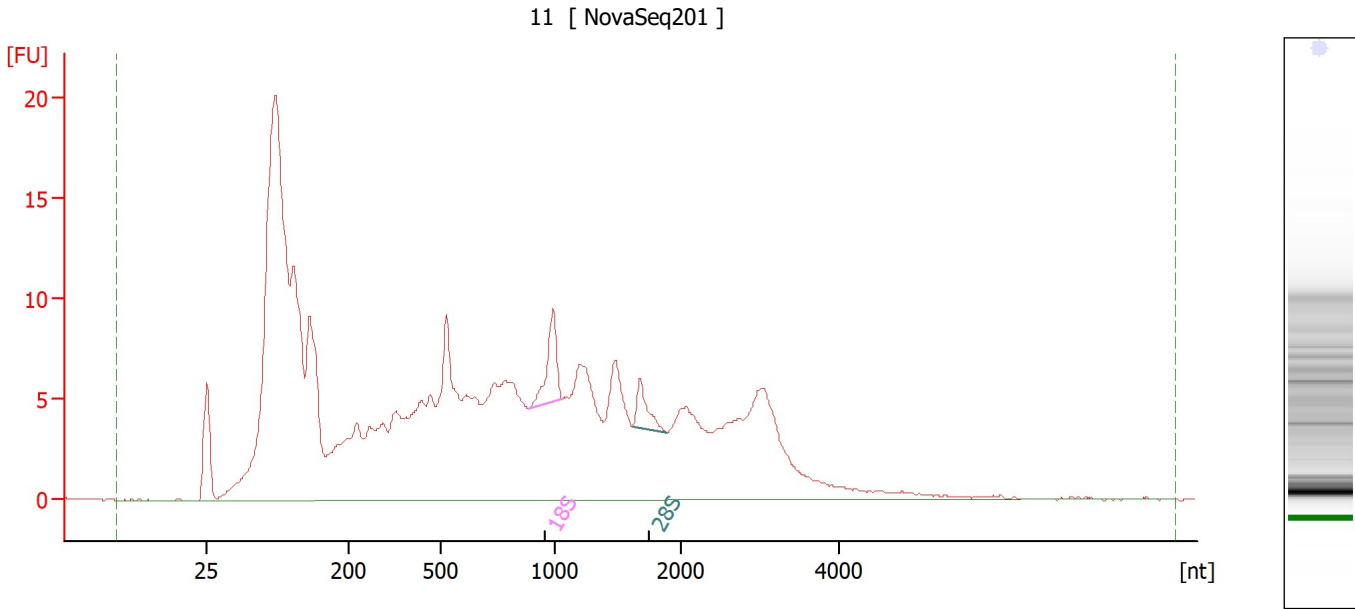
Overall Results for Ladder

RNA Area:	130.4	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-16_001.xad

Created: 3/16/2020 10:37:33 AM
 Modified: 3/16/2020 11:02:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 11

RNA Area:	394.0	RNA Integrity Number (RIN):	2.8 (B.02.10)
RNA Concentration:	453 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 2.80

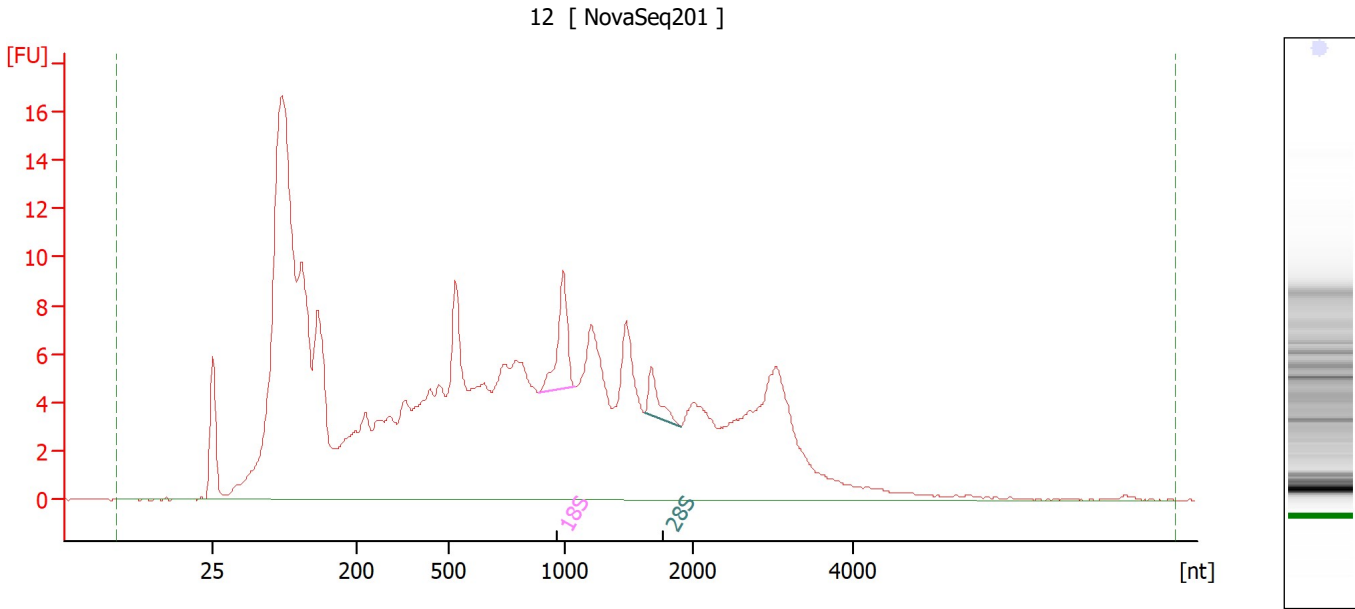
Fragment table for sample 1 : 11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	885	1,063	5.7	1.5
28S	1,613	1,892	3.1	0.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-16_001.xad

Created: 3/16/2020 10:37:33 AM
 Modified: 3/16/2020 11:02:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 12

RNA Area:	354.9	RNA Integrity Number (RIN):	2.9 (B.02.10)
RNA Concentration:	408 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 2.90

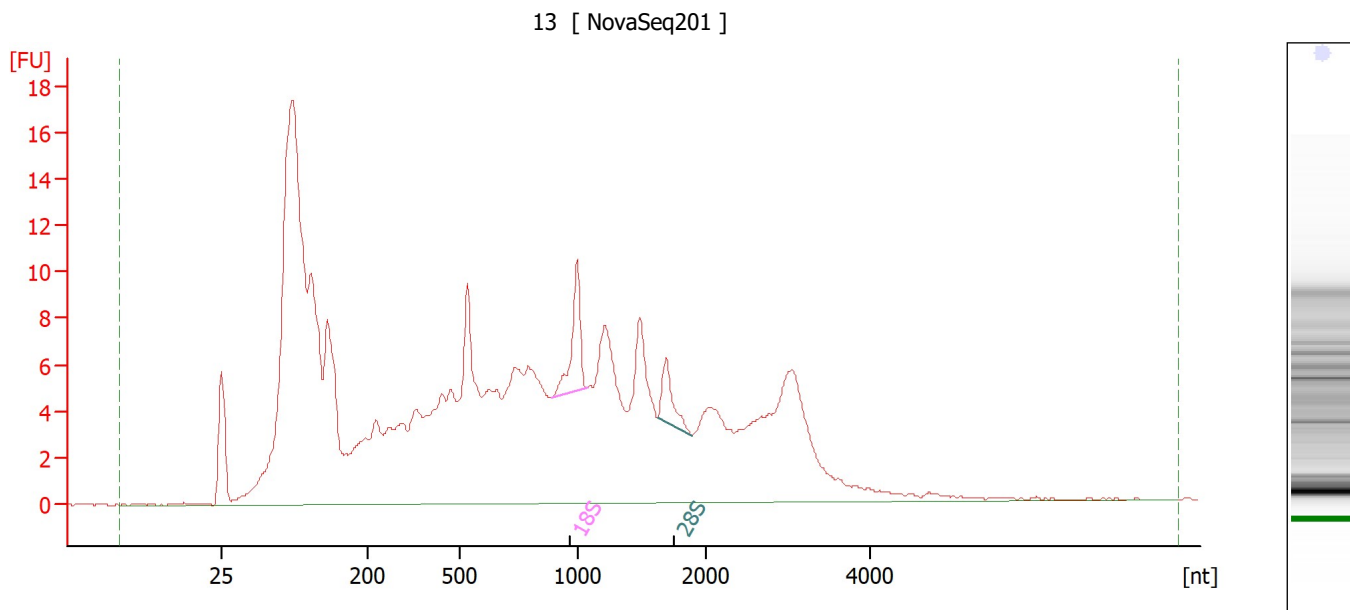
Fragment table for sample 2 : 12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	882	1,078	6.2	1.7
28S	1,621	1,897	2.6	0.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-16_001.xad

Created: 3/16/2020 10:37:33 AM
 Modified: 3/16/2020 11:02:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 13

RNA Area:	364.2	RNA Integrity Number (RIN):	2.9 (B.02.10)
RNA Concentration:	419 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 2.90

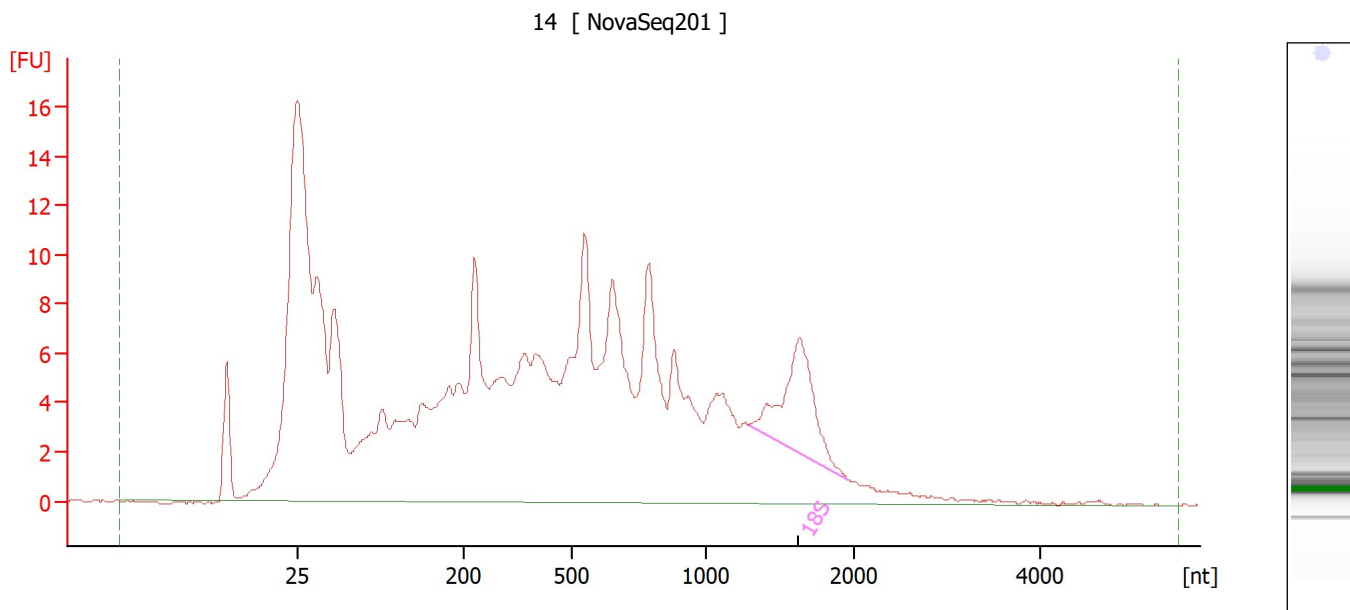
Fragment table for sample 3 : 13

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	895	1,074	6.5	1.8
28S	1,620	1,892	3.4	0.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-16_001.xad

Created: 3/16/2020 10:37:33 AM
 Modified: 3/16/2020 11:02:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 14

RNA Area:	294.0	RNA Integrity Number (RIN):	3.8 (B.02.10)
RNA Concentration:	338 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.80

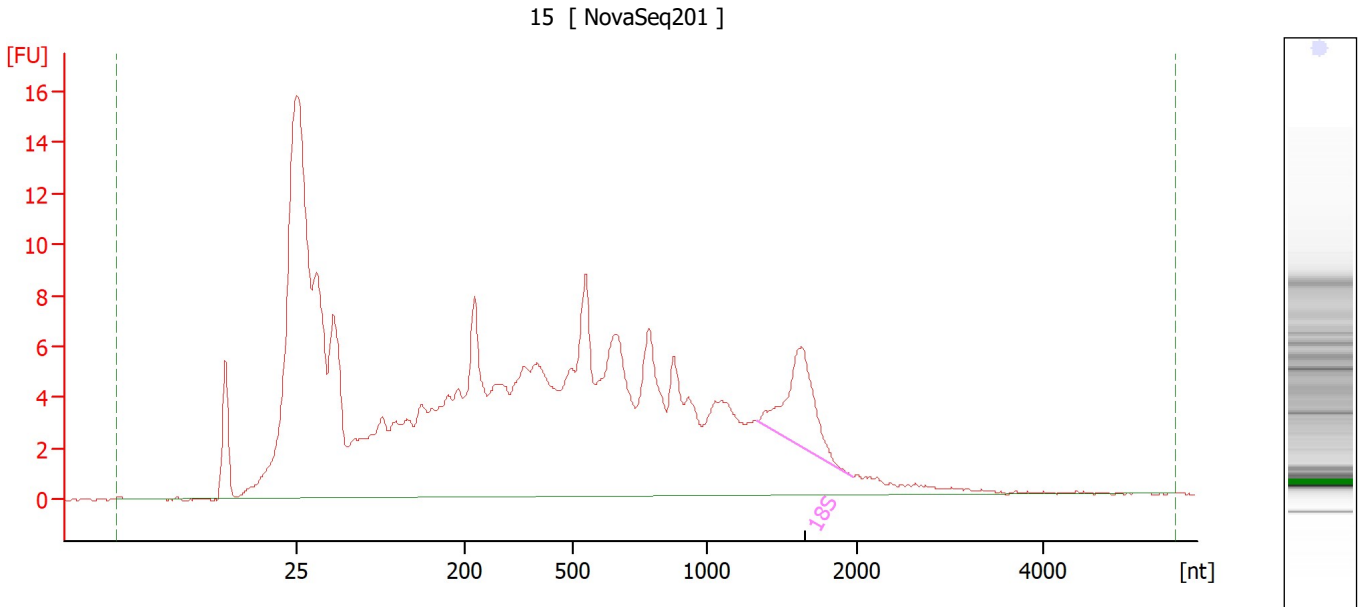
Fragment table for sample 4 : 14

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,297	1,960	14.8	5.0

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-16_001.xad

Created: 3/16/2020 10:37:33 AM
Modified: 3/16/2020 11:02:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 15

RNA Area:	251.1	RNA Integrity Number (RIN):	3.8 (B.02.10)
RNA Concentration:	289 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.80

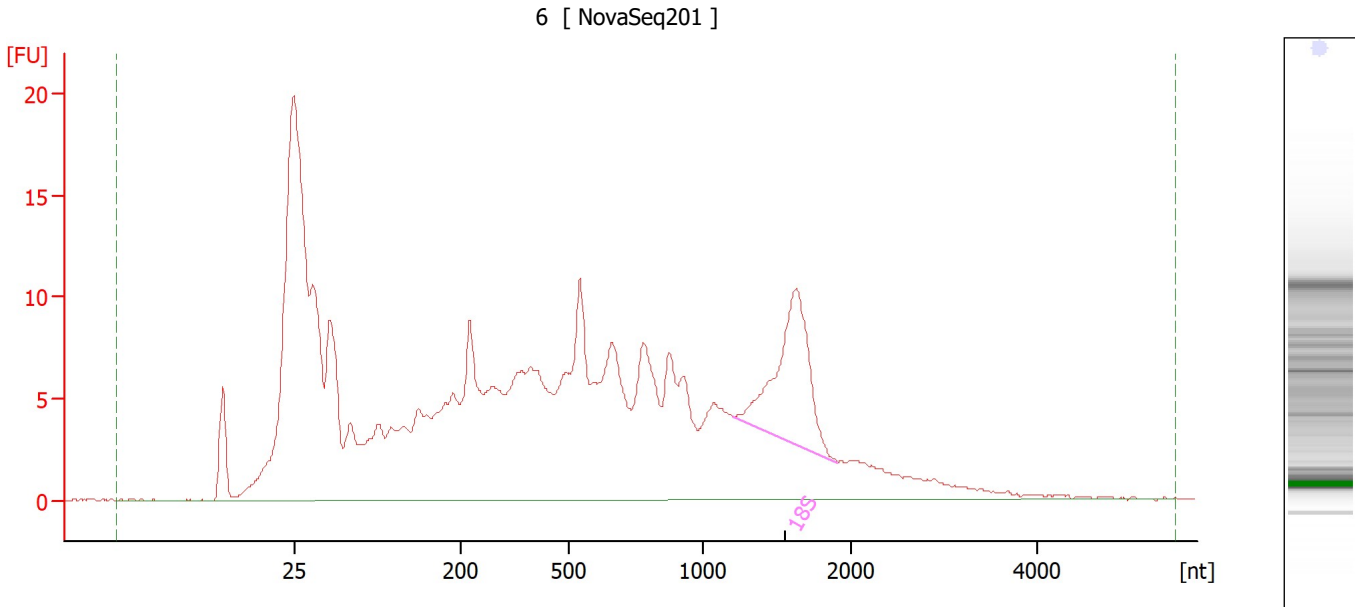
Fragment table for sample 5 : 15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,331	1,969	11.3	4.5

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-16_001.xad

Created: 3/16/2020 10:37:33 AM
Modified: 3/16/2020 11:02:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 6

RNA Area:	335.8	RNA Integrity Number (RIN):	5.1 (B.02.10)
RNA Concentration:	386 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.10

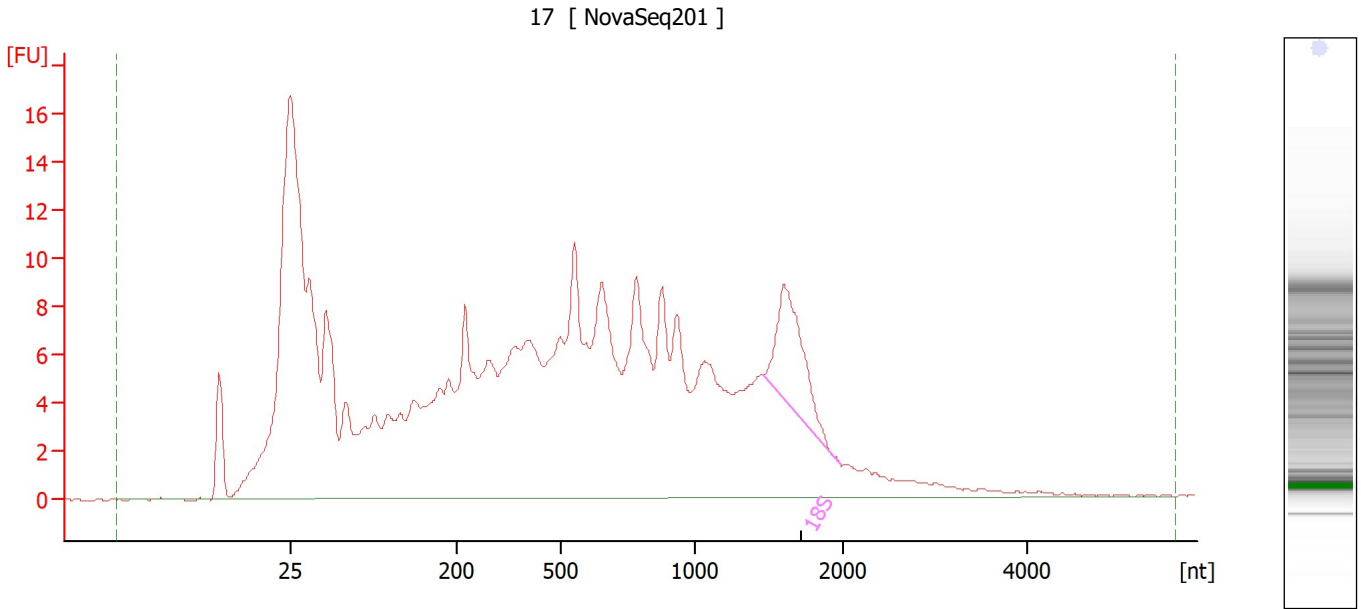
Fragment table for sample 6 : 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,211	1,910	25.6	7.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-16_001.xad

Created: 3/16/2020 10:37:33 AM
 Modified: 3/16/2020 11:02:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 17

RNA Area:	338.6	RNA Integrity Number (RIN):	3.7 (B.02.10)
RNA Concentration:	389 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.70

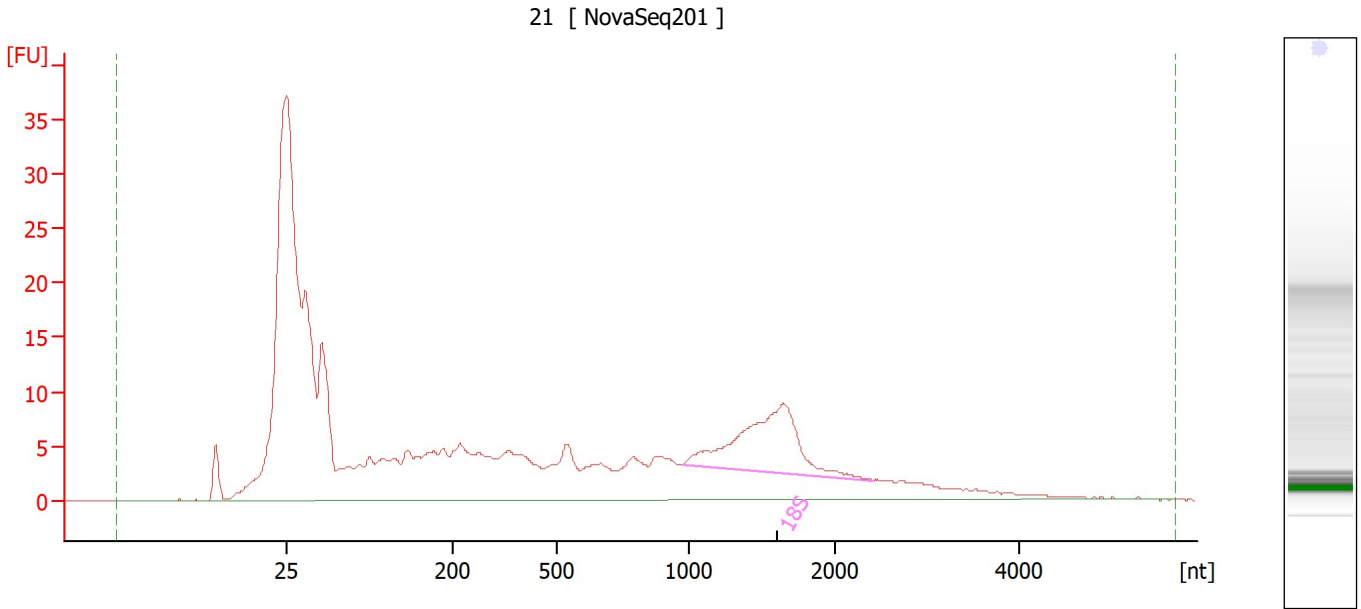
Fragment table for sample 7 : 17

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,464	1,987	13.7	4.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-16_001.xad

Created: 3/16/2020 10:37:33 AM
 Modified: 3/16/2020 11:02:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 21

RNA Area:	294.7	RNA Integrity Number (RIN):	5.7 (B.02.10)
RNA Concentration:	339 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.70

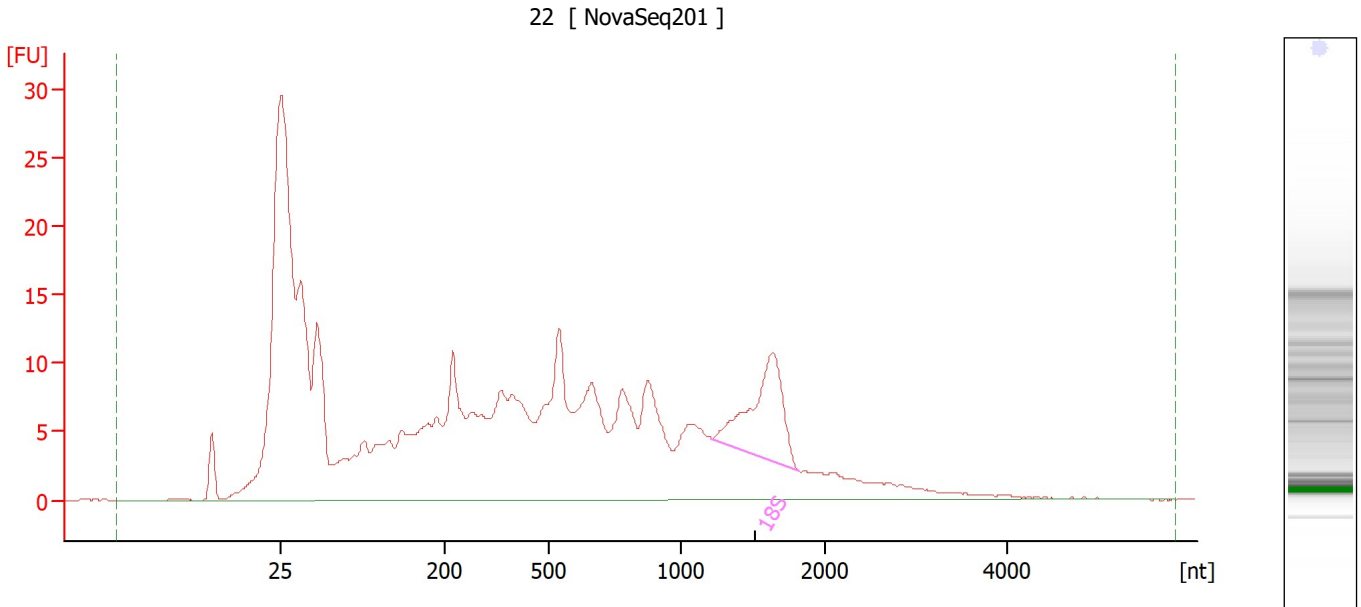
Fragment table for sample 8 : 21

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	972	2,396	39.8	13.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-16_001.xad

Created: 3/16/2020 10:37:33 AM
 Modified: 3/16/2020 11:02:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 22

RNA Area:	380.8	RNA Integrity Number (RIN):	4.8 (B.02.10)
RNA Concentration:	438 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 4.80

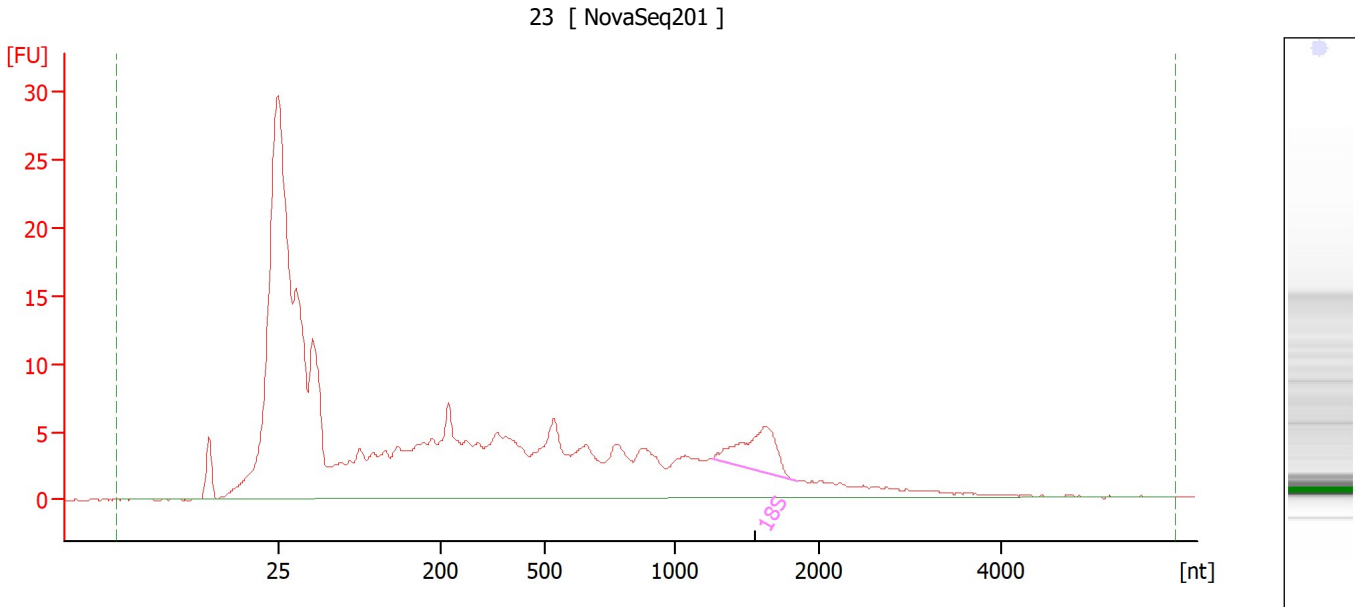
Fragment table for sample 9 : 22

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,210	1,821	26.5	6.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-16_001.xad

Created: 3/16/2020 10:37:33 AM
 Modified: 3/16/2020 11:02:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 23

RNA Area:	239.2	RNA Integrity Number (RIN):	3.5 (B.02.10)
RNA Concentration:	275 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.50

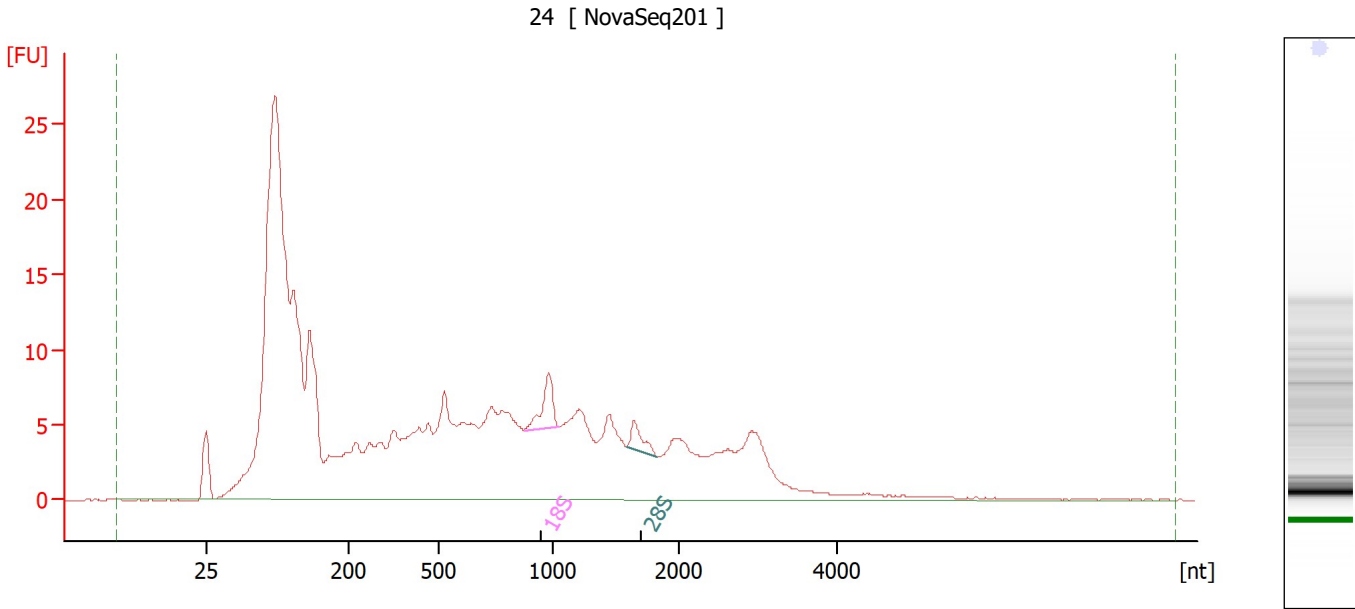
Fragment table for sample 10 : 23

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,256	1,848	12.4	5.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-16_001.xad

Created: 3/16/2020 10:37:33 AM
 Modified: 3/16/2020 11:02:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 24

RNA Area:	402.5	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	463 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 2.60

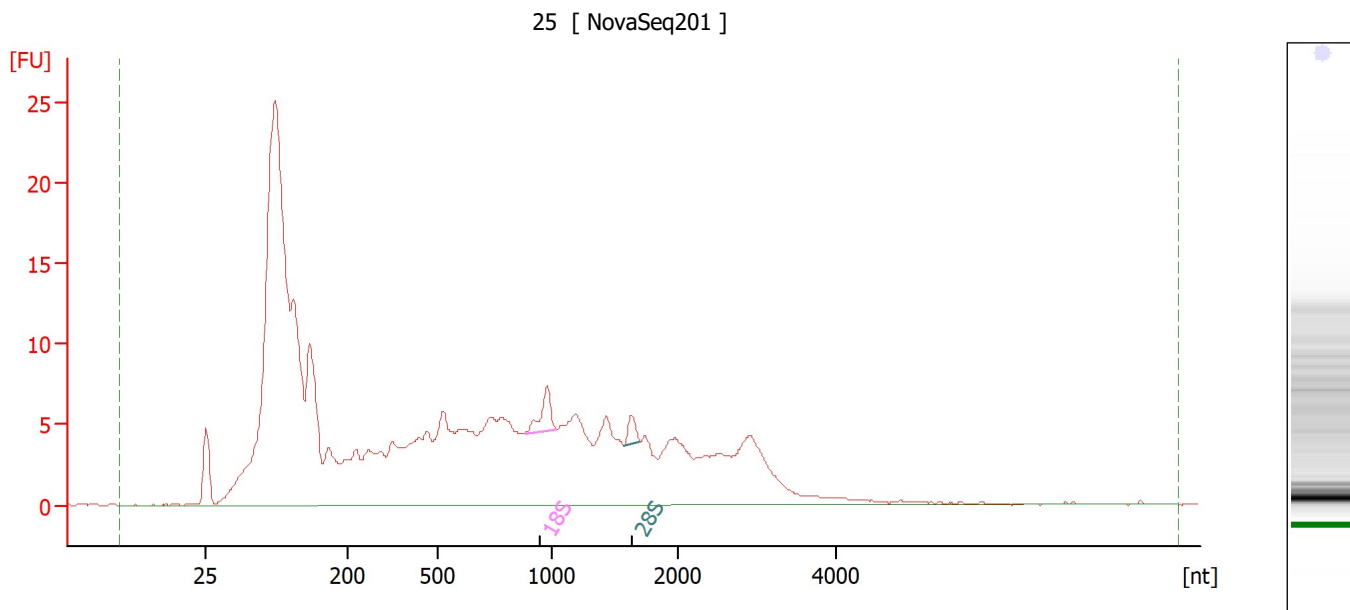
Fragment table for sample 11 : 24

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	874	1,052	5.0	1.3
28S	1,586	1,832	2.7	0.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-16_001.xad

Created: 3/16/2020 10:37:33 AM
 Modified: 3/16/2020 11:02:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 12 : 25

RNA Area:	381.1	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	438 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 2.50

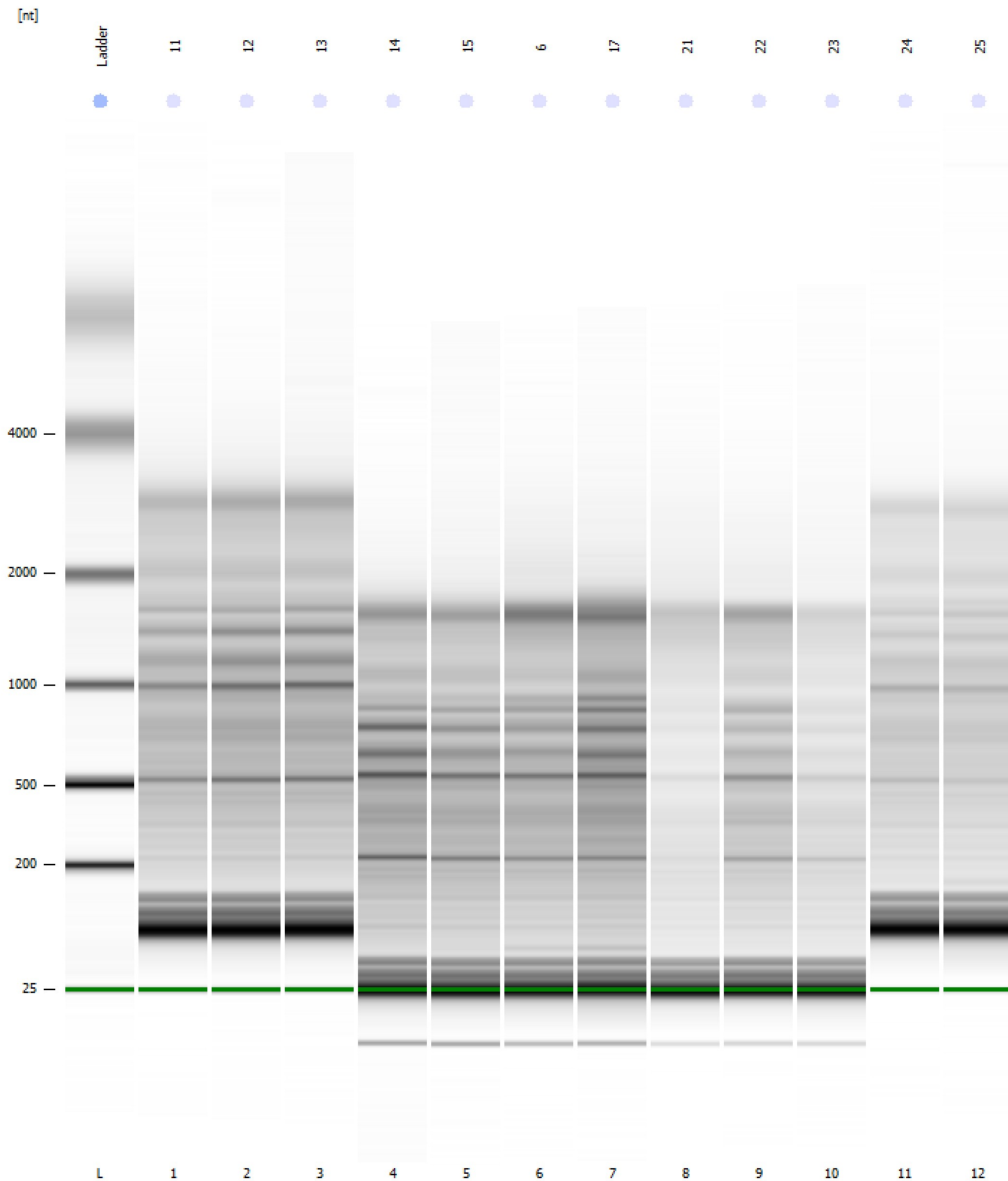
Fragment table for sample 12 : 25

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	880	1,030	3.8	1.0
28S	1,575	1,703	1.5	0.4

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-16_001.xad

Created: 3/16/2020 10:37:33 AM
Modified: 3/16/2020 11:02:07 AM

Gel Image



Assay Class: Eukaryote Total RNA Nano Created: 3/16/2020 10:37:33 AM
 Data Path: Z:\...16\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-16_001.xad Modified: 3/16/2020 11:02:07 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		3/16/2020 11:01:22 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-03-16\Bioanalyze r1_Eukaryote Total RNA Nano_2020-03-16_001.xad)		Instrument	Run		3/16/2020 10:37:39 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		3/16/2020 10:37:39 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		3/16/2020 10:37:39 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		3/16/2020 10:37:39 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		3/16/2020 10:37:39 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		3/16/2020 10:37:39 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		3/16/2020 10:37:39 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB