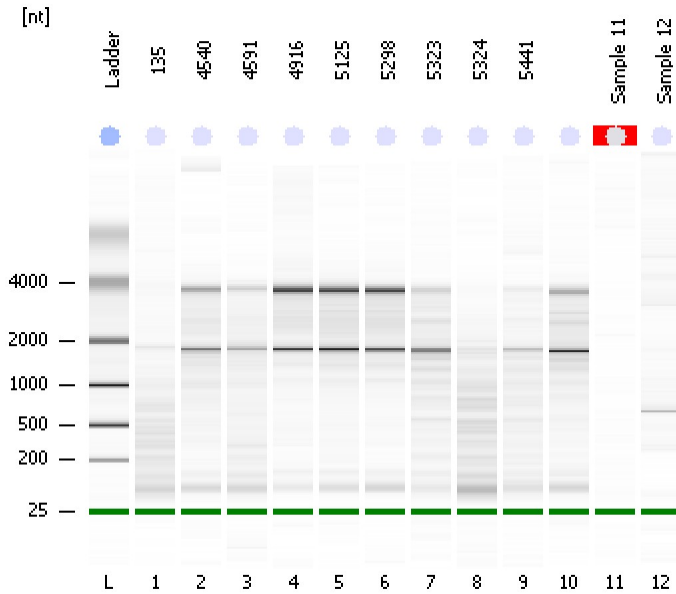


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-29\2019-01-29_001.xad

Created: 1/29/2019 11:44:41 AM
Modified: 1/29/2019 1:02:19 PM

Electrophoresis File Run Summary



Instrument Information:

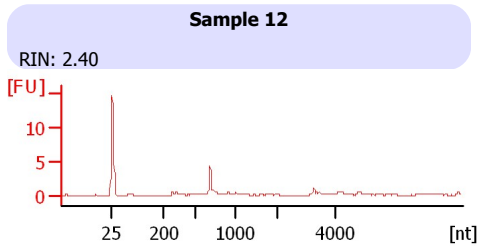
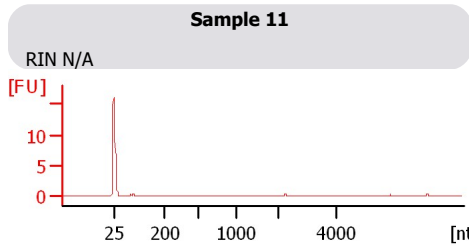
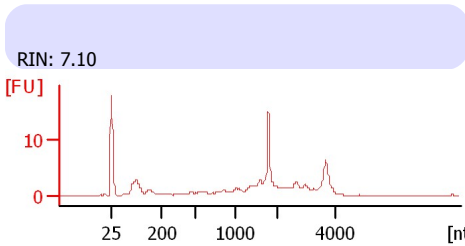
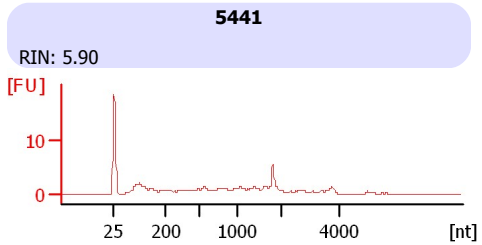
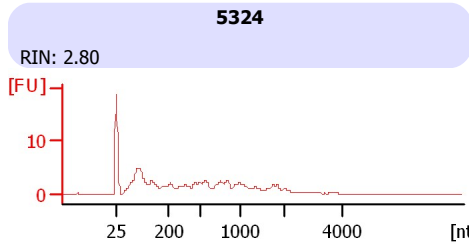
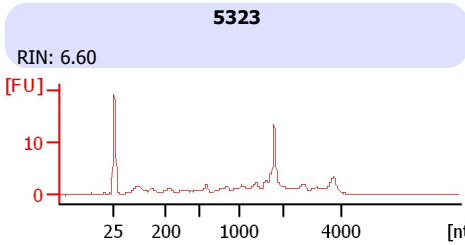
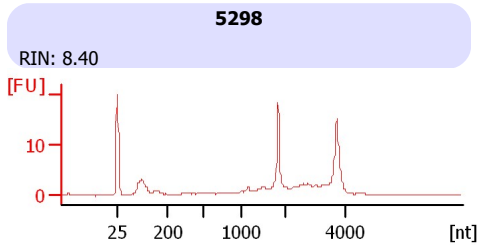
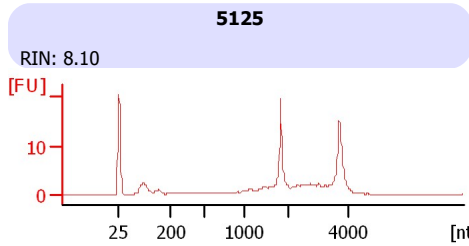
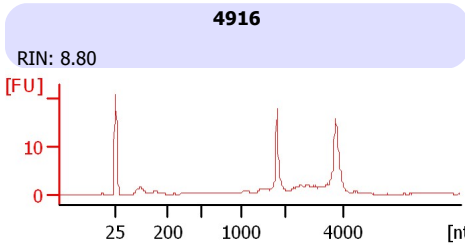
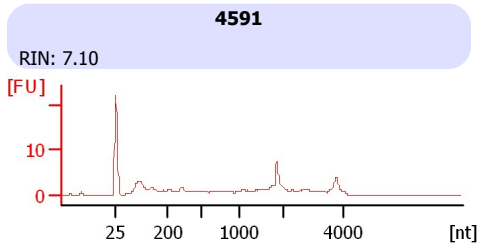
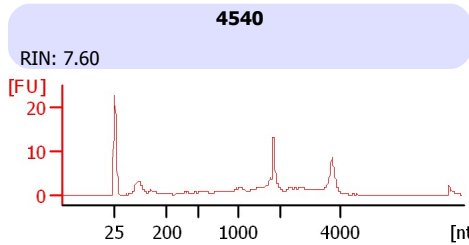
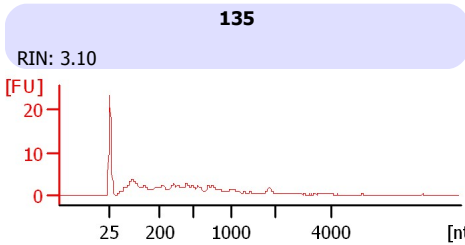
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\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: C:\... bioanalyzer\2100 expert\data\2019-01-29\2019-01-29_001.xad

Created: 1/29/2019 11:44:41 AM
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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
135		✓	RIN: 3.10	
4540		✓	RIN: 7.60	
4591		✓	RIN: 7.10	
4916		✓	RIN: 8.80	
5125		✓	RIN: 8.10	
5298		✓	RIN: 8.40	
5323		✓	RIN: 6.60	
5324		✓	RIN: 2.80	
5441		✓	RIN: 5.90	
		✓	RIN: 7.10	
Sample 11		✓	RIN N/A	
Sample 12		✓	RIN: 2.40	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-29\2019-01-29_001.xad

Created: 1/29/2019 11:44:41 AM
Modified: 1/29/2019 1:02:19 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

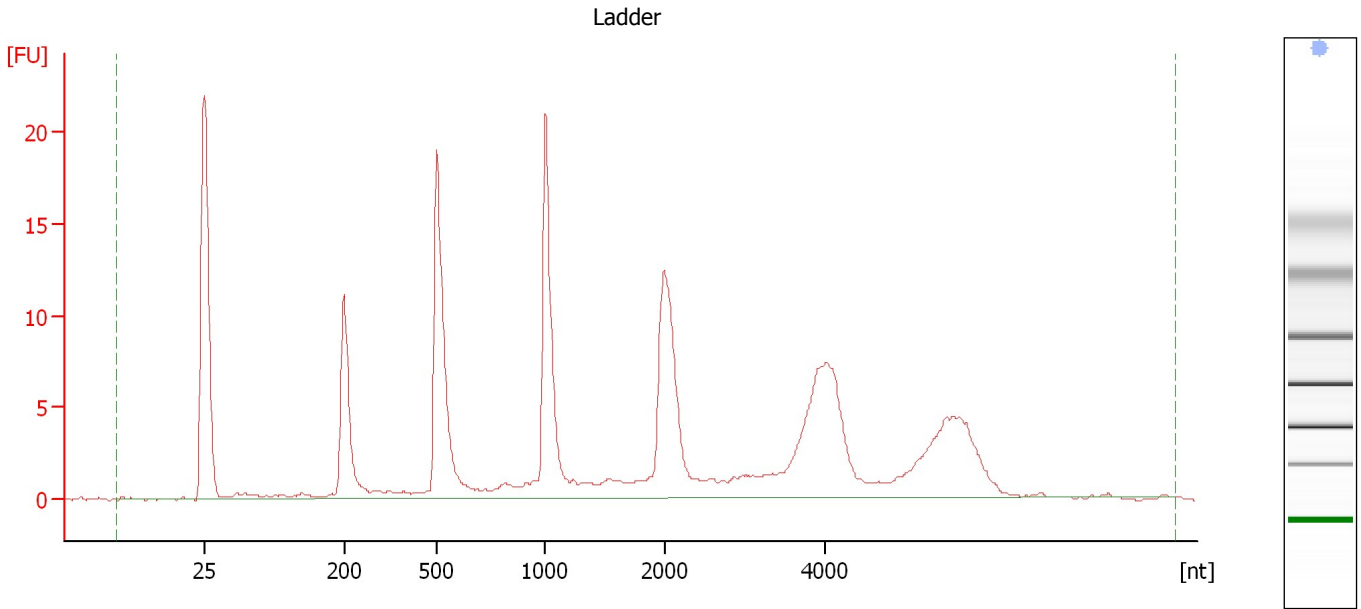
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-29\2019-01-29_001.xad

Created: 1/29/2019 11:44:41 AM
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Electropherogram Summary



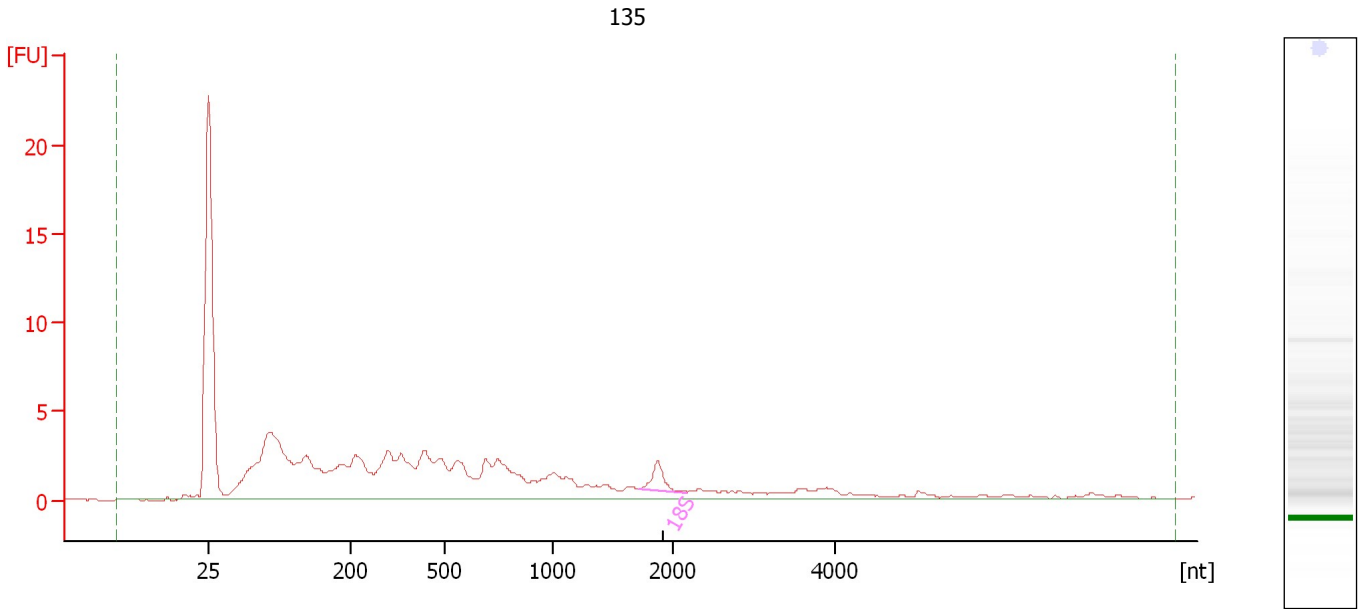
Overall Results for Ladder

RNA Area:	177.2	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-29\2019-01-29_001.xad

Created: 1/29/2019 11:44:41 AM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : 135

RNA Area:	115.1	RNA Integrity Number (RIN):	3.1 (B.02.08)
RNA Concentration:	97 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.10

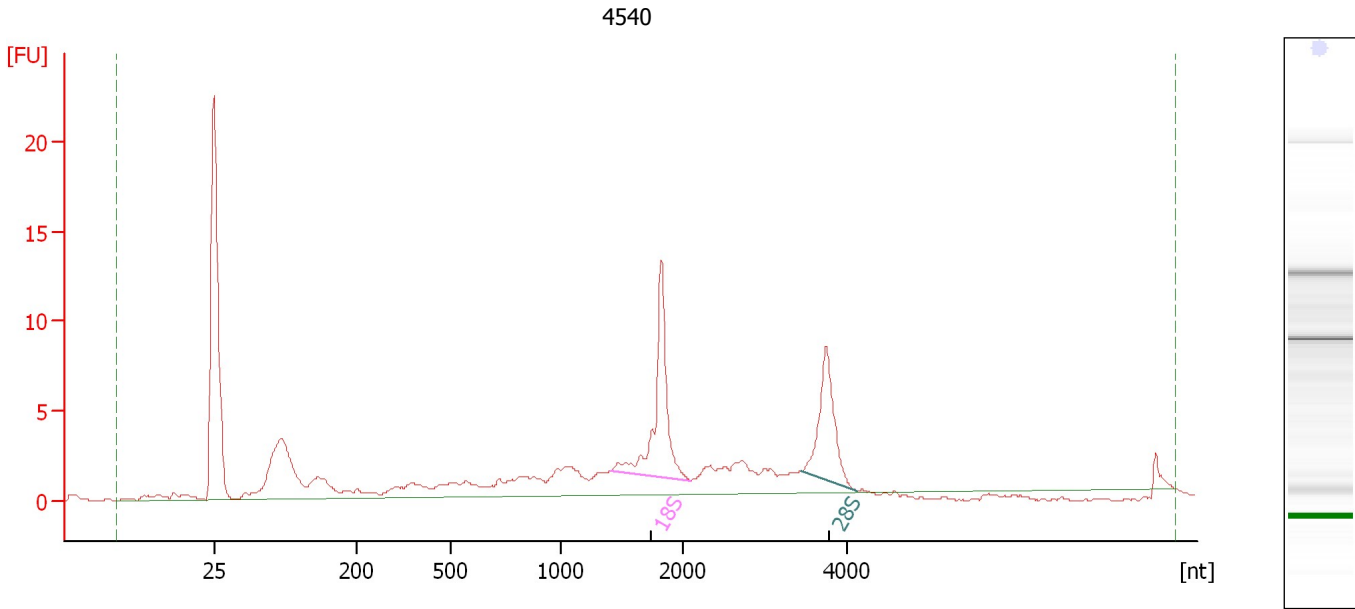
Fragment table for sample 1 : 135

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,726	2,188	2.1	1.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-29\2019-01-29_001.xad

Created: 1/29/2019 11:44:41 AM
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Electropherogram Summary Continued ...



Overall Results for sample 2 : 4540

RNA Area:	103.3	RNA Integrity Number (RIN):	7.6 (B.02.08)
RNA Concentration:	87 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 7.60

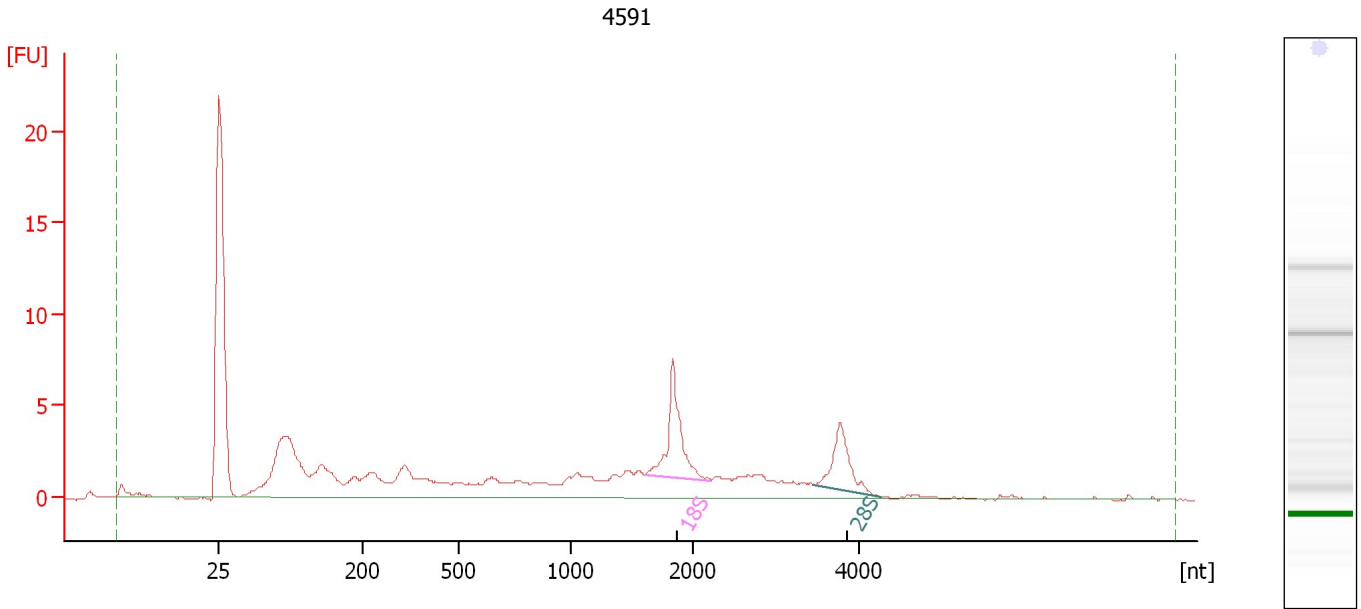
Fragment table for sample 2 : 4540

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,405	2,101	16.0	15.5
28S	3,453	4,115	11.2	10.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-29\2019-01-29_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : 4591

RNA Area:	101.2	RNA Integrity Number (RIN):	7.1 (B.02.08)
RNA Concentration:	86 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 7.10

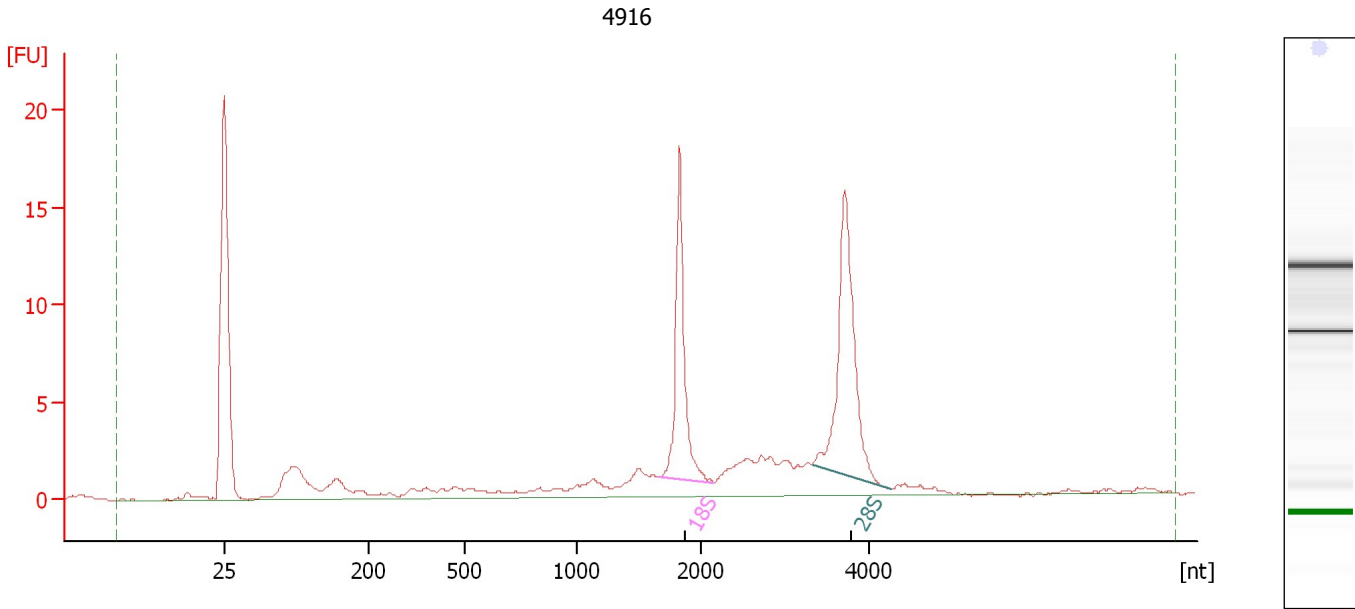
Fragment table for sample 3 : 4591

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,608	2,221	8.9	8.8
28S	3,456	4,267	6.2	6.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-29\2019-01-29_001.xad

Created: 1/29/2019 11:44:41 AM
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Electropherogram Summary Continued ...



Overall Results for sample 4 : 4916

RNA Area: 98.0 RNA Integrity Number (RIN): 8.8 (B.02.08)
RNA Concentration: 83 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 8.80

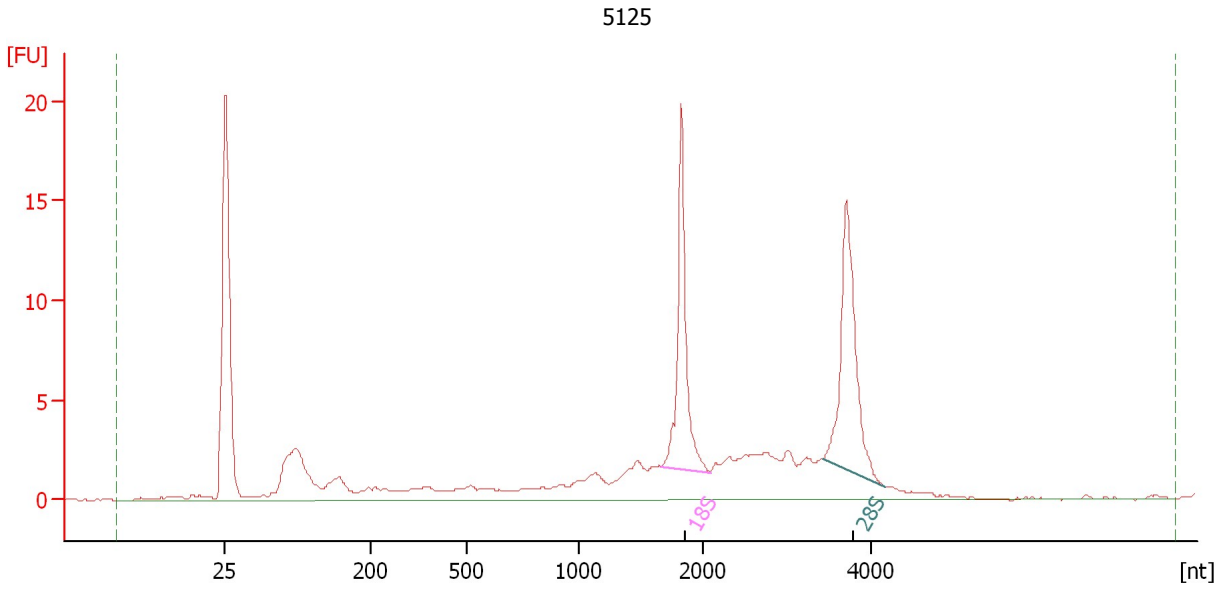
Fragment table for sample 4 : 4916

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,666	2,148	16.1	16.4
28S	3,334	4,278	23.5	23.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-29\2019-01-29_001.xad

Created: 1/29/2019 11:44:41 AM
Modified: 1/29/2019 1:02:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 5125

RNA Area: 121.7 RNA Integrity Number (RIN): 8.1 (B.02.08)
RNA Concentration: 103 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN: 8.10

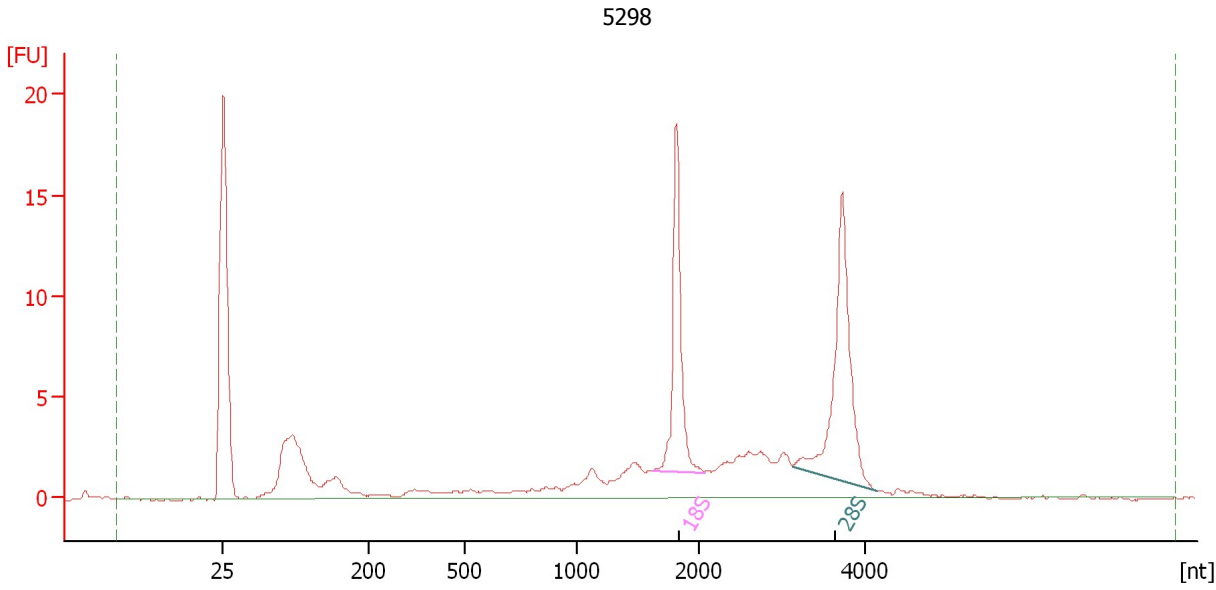
Fragment table for sample 5 : 5125

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,659	2,085	17.2	14.1
28S	3,422	4,173	19.9	16.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-29\2019-01-29_001.xad

Created: 1/29/2019 11:44:41 AM
Modified: 1/29/2019 1:02:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 5298

RNA Area:	106.9	RNA Integrity Number (RIN):	8.4 (B.02.08)
RNA Concentration:	91 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.40

Fragment table for sample 6 : 5298

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,630	2,070	15.3	14.3
28S	3,118	4,128	22.3	20.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-29\2019-01-29_001.xad

Created: 1/29/2019 11:44:41 AM
Modified: 1/29/2019 1:02:19 PM

Gel Image

