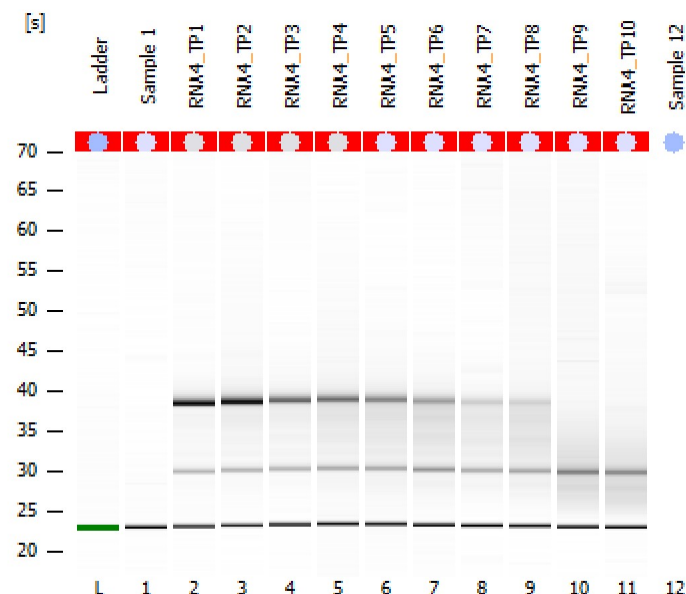


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-12-18.xad

Created: 10/12/2020 4:12:17 PM
Modified: 10/12/2020 4:34:43 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE72901420
Serial#: DE72901420

Firmware: C.01.069
Type: G2939A

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)

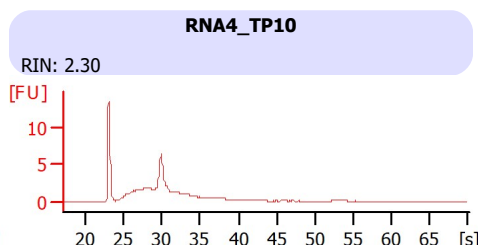
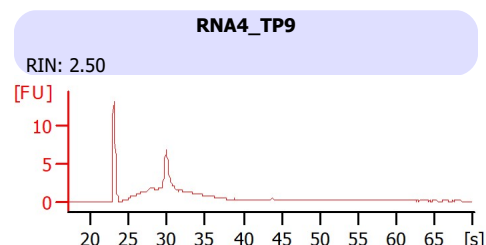
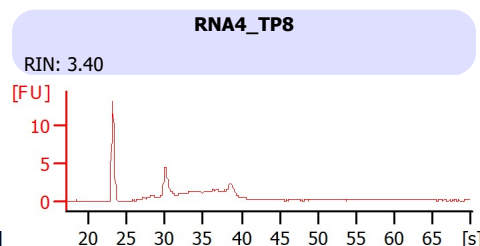
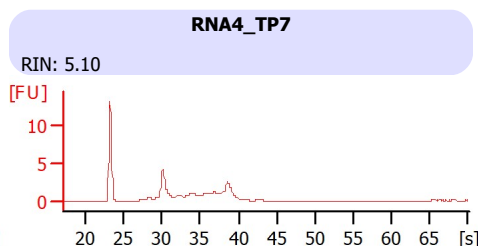
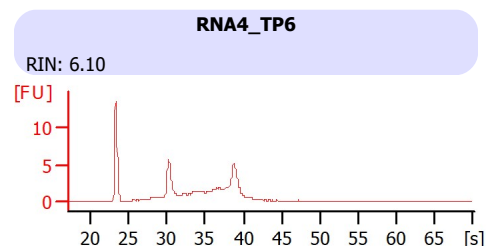
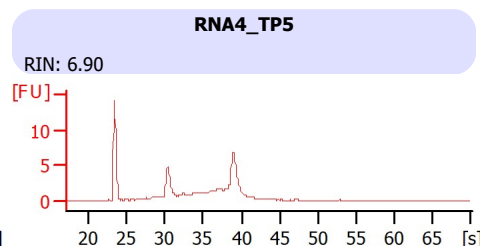
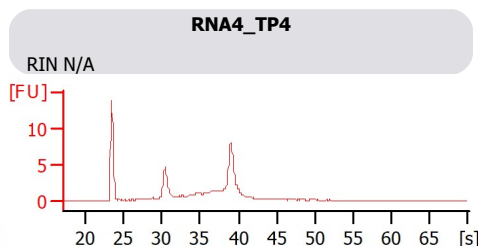
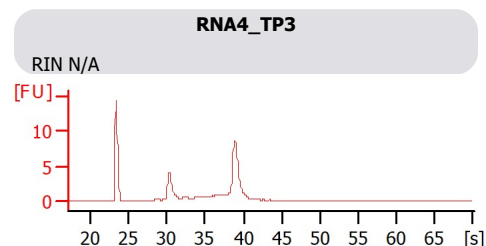
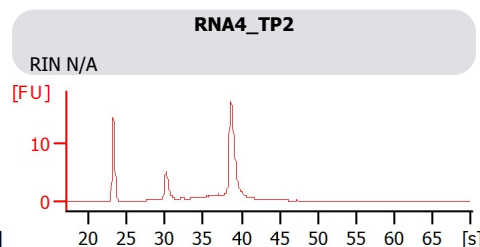
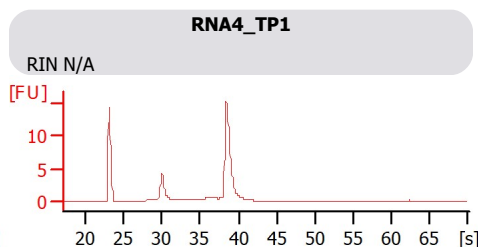
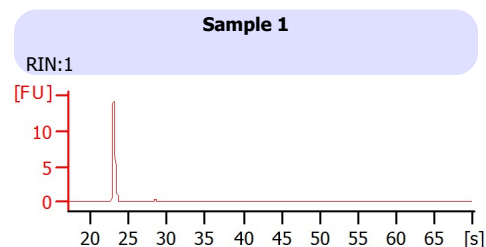
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-12-18.xad

Created: 10/12/2020 4:12:17 PM
Modified: 10/12/2020 4:34:43 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat	Result Label	Result Color
Sample 1		✓	RIN:1	
RNA4_TP1		✓	RIN N/A	
RNA4_TP2		✓	RIN N/A	
RNA4_TP3		✓	RIN N/A	
RNA4_TP4		✓	RIN N/A	
RNA4_TP5		✓	RIN: 6.90	
RNA4_TP6		✓	RIN: 6.10	
RNA4_TP7		✓	RIN: 5.10	
RNA4_TP8		✓	RIN: 3.40	
RNA4_TP9		✓	RIN: 2.50	
RNA4_TP10		✓	RIN: 2.30	
Sample 12				
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-12-18.xad

Created: 10/12/2020 4:12:17 PM
Modified: 10/12/2020 4:34:43 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/ μ l] : 150
Lower Marker Concentration [ng/ μ l] : 0
Upper Marker Concentration [ng/ μ l] : 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

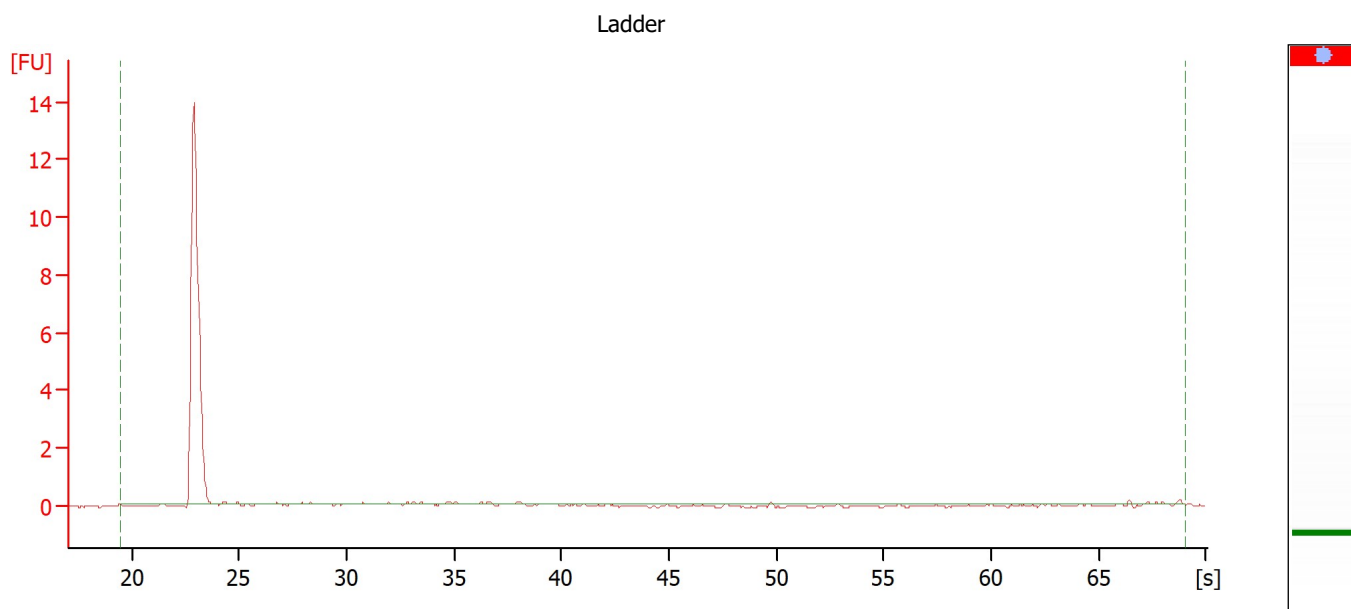
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-12-18.xad

Created: 10/12/2020 4:12:17 PM
Modified: 10/12/2020 4:34:43 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 1.0

Result Flagging Color:



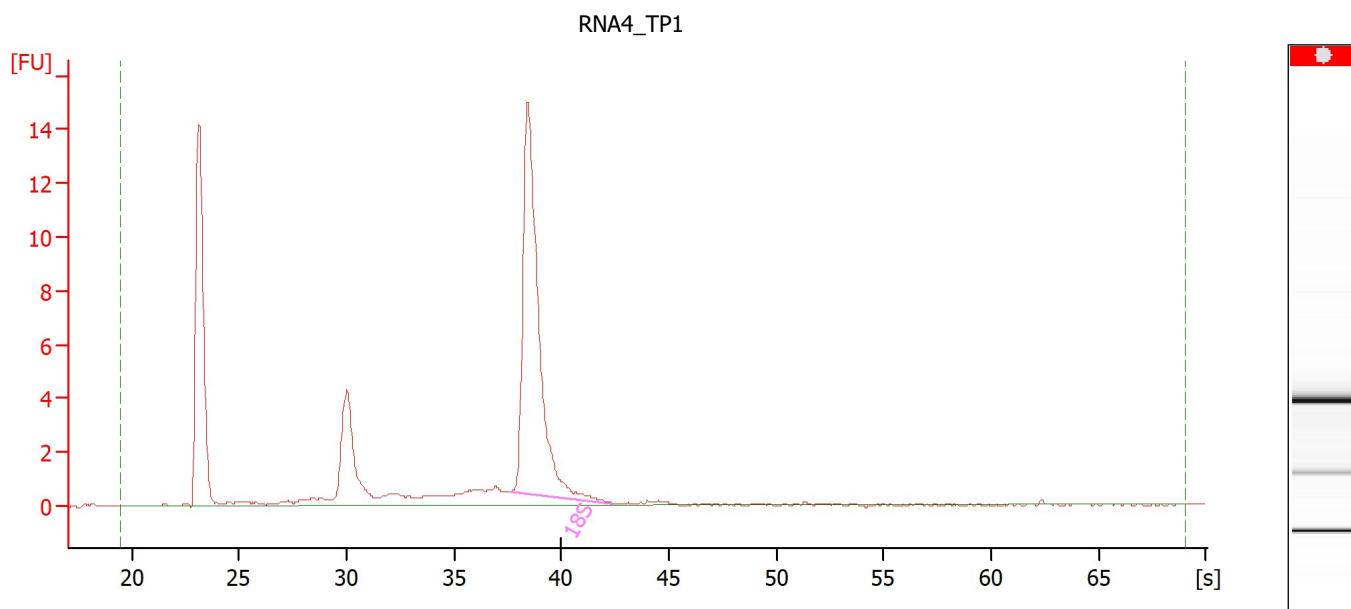
RNA Concentration: 150 ng/μl


Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-12-18.xad

Created: 10/12/2020 4:12:17 PM
Modified: 10/12/2020 4:34:43 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : RNA4_TP1**

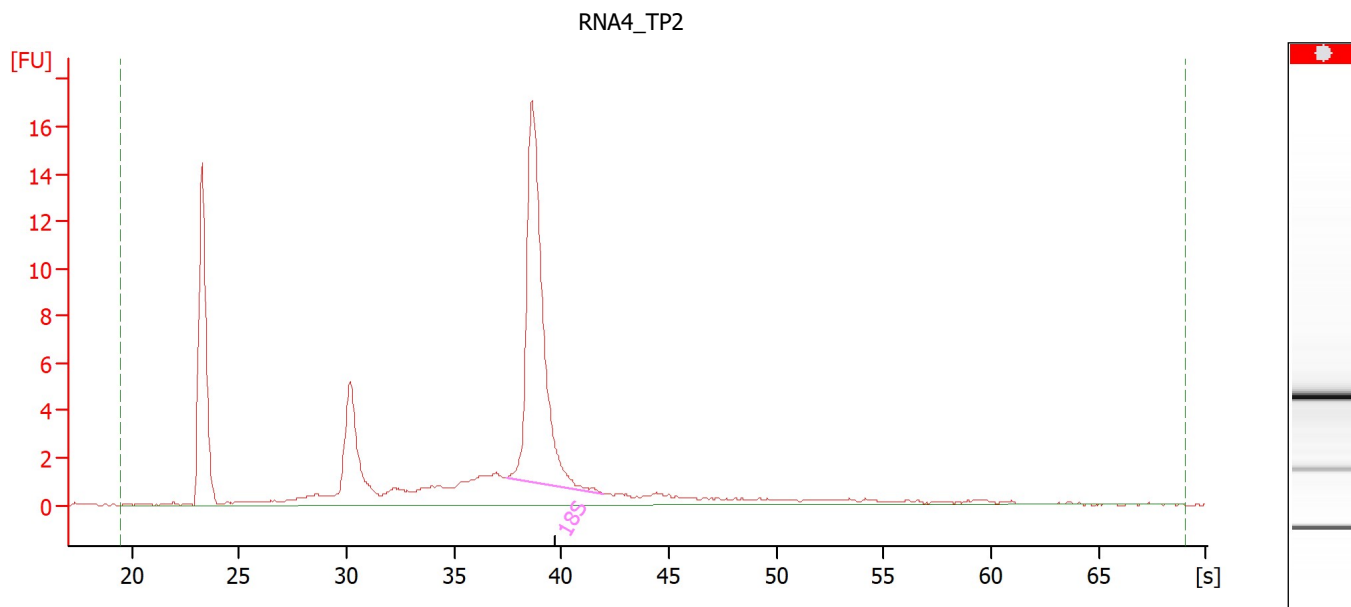
RNA Area:	79.4	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	12,134 ng/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A


Fragment table for sample 2 : RNA4_TP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	0	0	31.5	39.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-12-18.xad

Created: 10/12/2020 4:12:17 PM
Modified: 10/12/2020 4:34:43 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : RNA4_TP2**

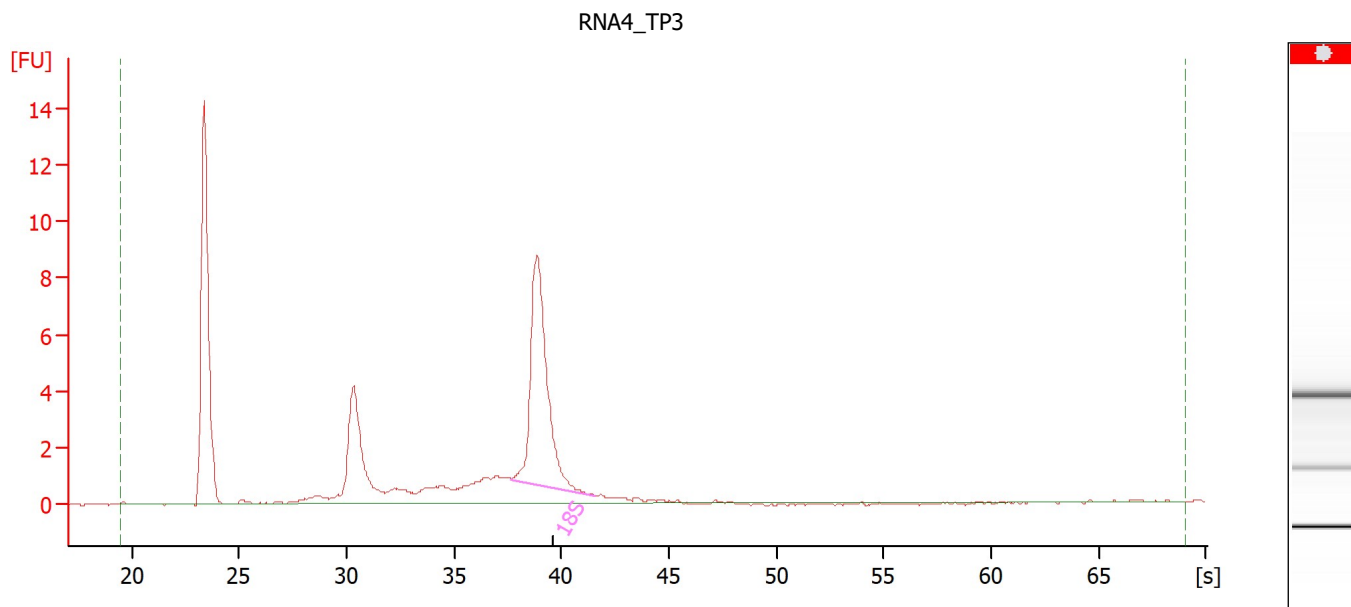
RNA Area:	109.8	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	16,777 ng/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 3 : RNA4_TP2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	0	0	35.7	32.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-12-18.xad

Created: 10/12/2020 4:12:17 PM
Modified: 10/12/2020 4:34:43 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : RNA4_TP3**

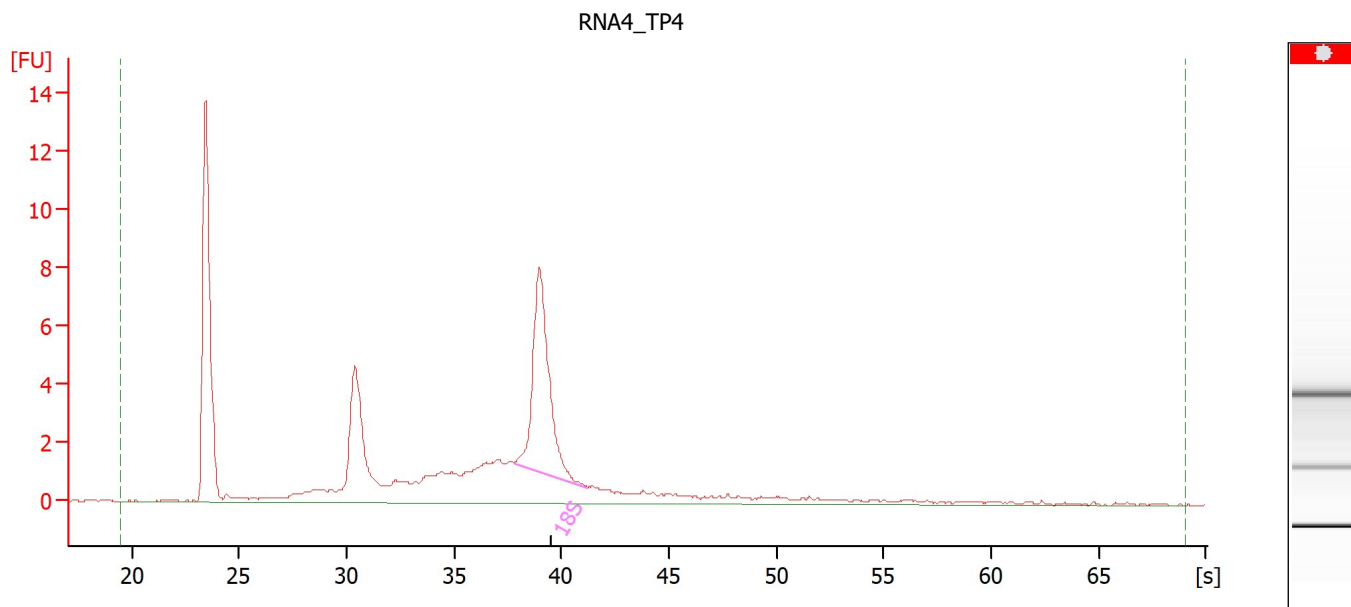
RNA Area:	72.2	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	11,044 ng/ μ l	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A


Fragment table for sample 4 : RNA4_TP3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	0	0	18.1	25.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-12-18.xad

Created: 10/12/2020 4:12:17 PM
Modified: 10/12/2020 4:34:43 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : RNA4_TP4**

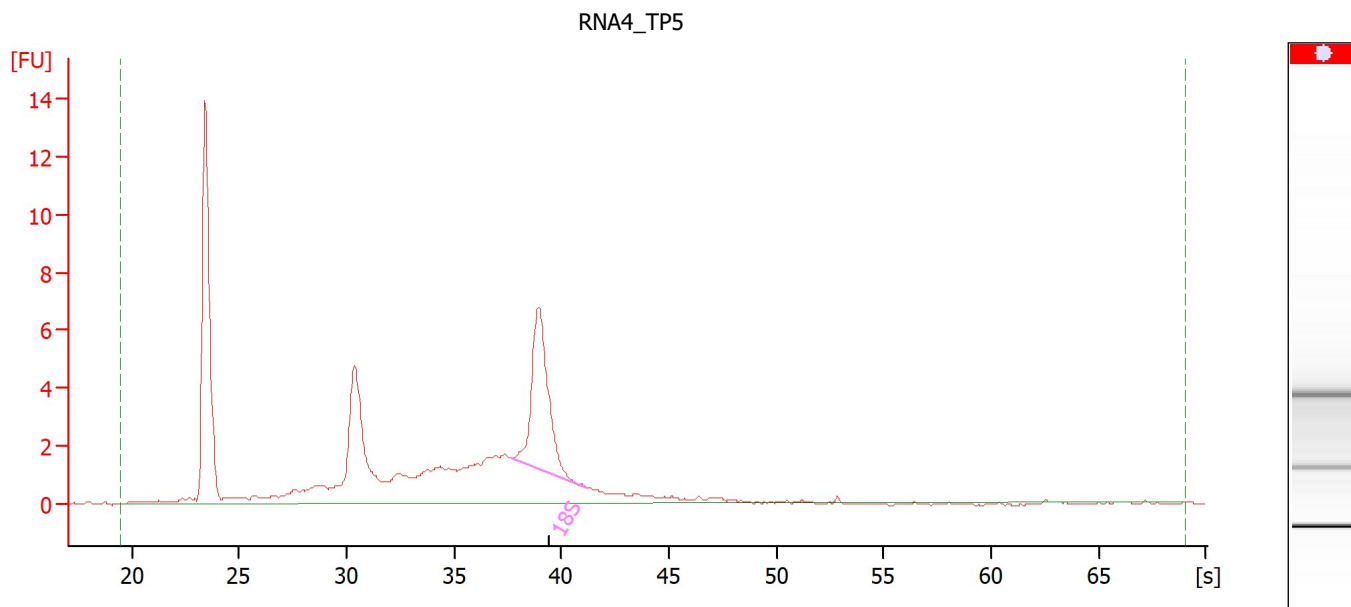
RNA Area:	90.3	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	13,804 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 5 : RNA4_TP4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	0	0	15.3	17.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-12-18.xad

Created: 10/12/2020 4:12:17 PM
Modified: 10/12/2020 4:34:43 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : RNA4_TP5**

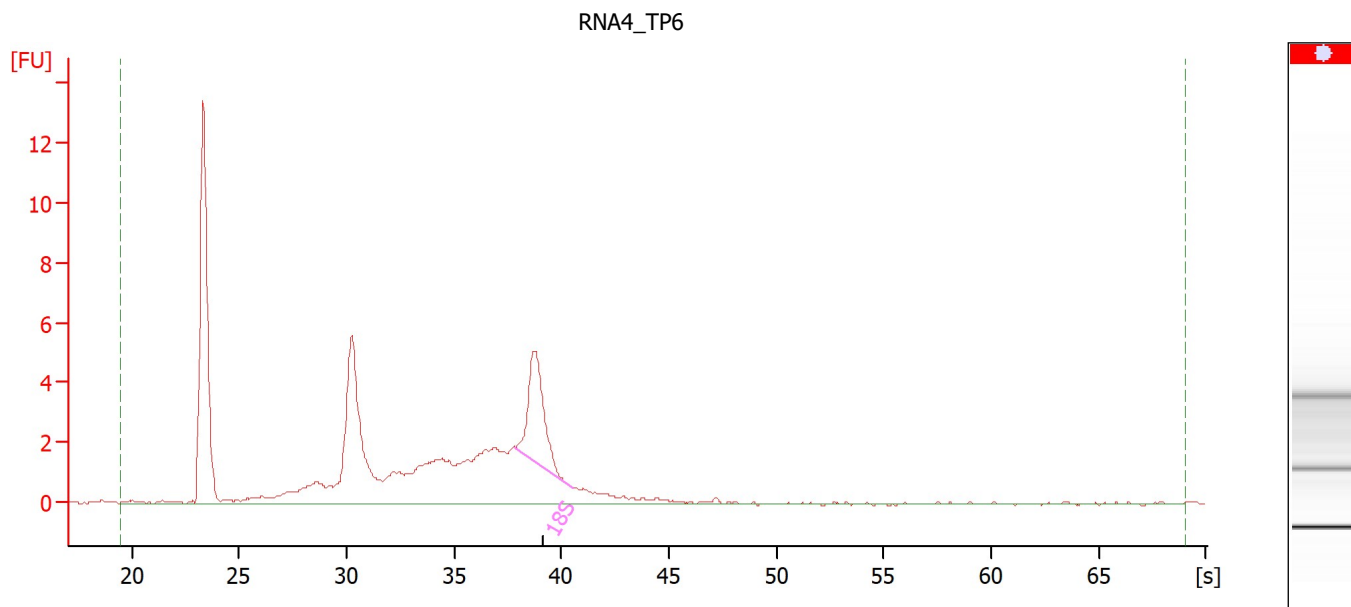
RNA Area:	91.7	RNA Integrity Number (RIN):	6.9 (B.02.10)
RNA Concentration:	14,018 ng/ μ l	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.90

Fragment table for sample 6 : RNA4_TP5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	0	0	12.9	14.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-12-18.xad

Created: 10/12/2020 4:12:17 PM
Modified: 10/12/2020 4:34:43 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : RNA4_TP6**

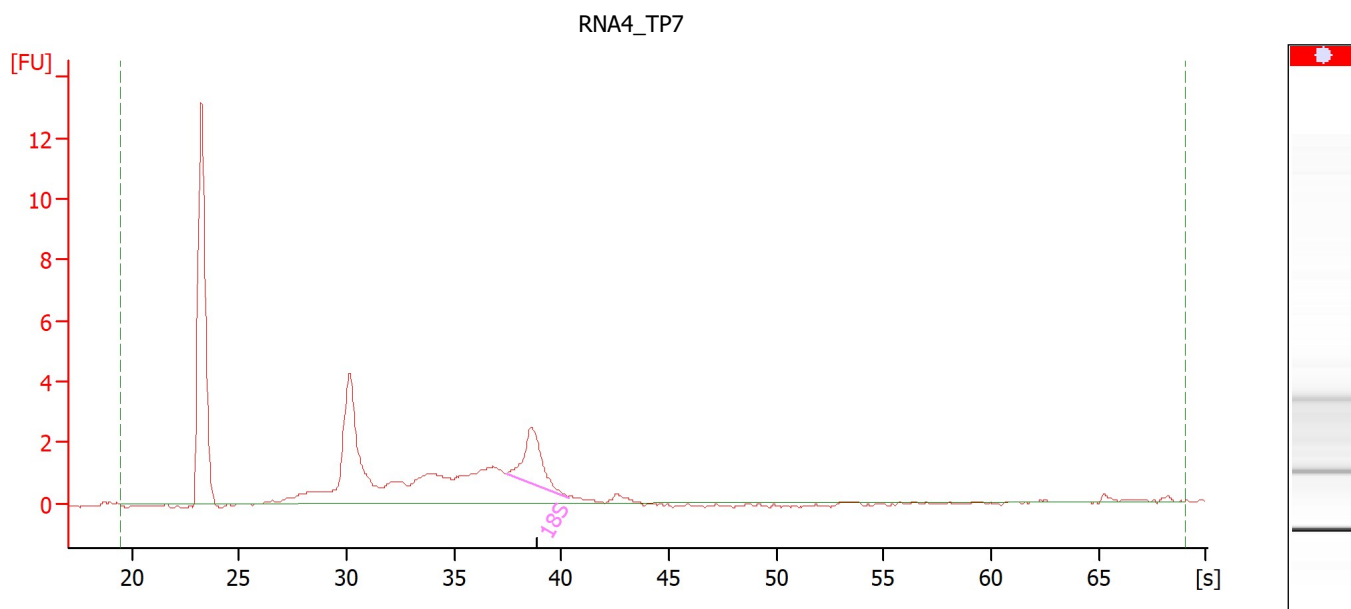
RNA Area:	89.1	RNA Integrity Number (RIN):	6.1 (B.02.10)
RNA Concentration:	13,621 ng/ μ l	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.10

Fragment table for sample 7 : RNA4_TP6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	0	0	7.9	8.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-12-18.xad

Created: 10/12/2020 4:12:17 PM
Modified: 10/12/2020 4:34:43 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : RNA4_TP7**

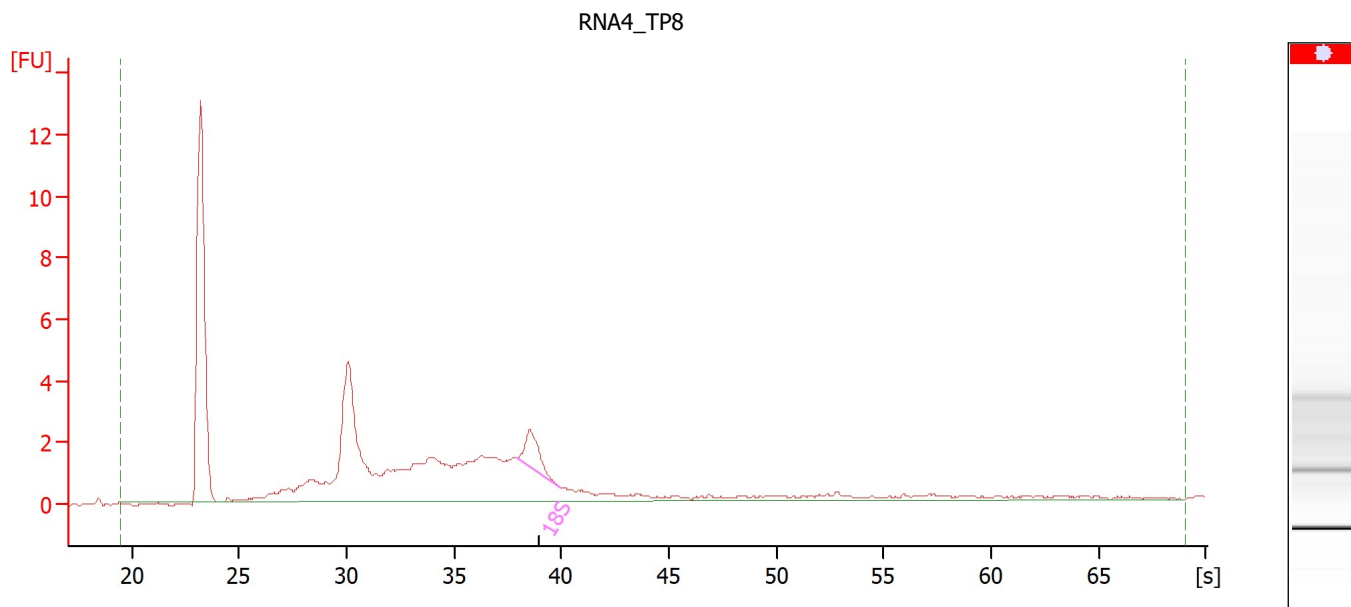
RNA Area:	61.8	RNA Integrity Number (RIN):	5.1 (B.02.10)
RNA Concentration:	9,440 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.10

Fragment table for sample 8 : RNA4_TP7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	0	0	4.6	7.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-12-18.xad

Created: 10/12/2020 4:12:17 PM
Modified: 10/12/2020 4:34:43 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : RNA4_TP8**

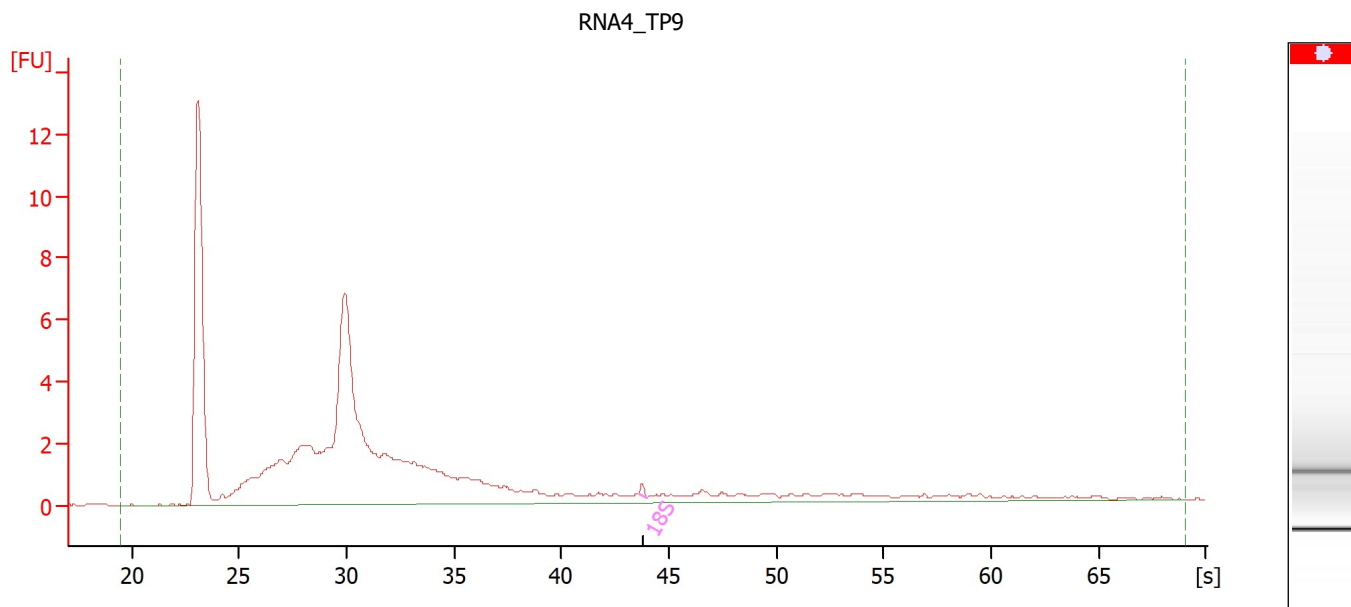
RNA Area:	80.1	RNA Integrity Number (RIN):	3.4 (B.02.10)
RNA Concentration:	12,245 ng/ μ l	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.40

Fragment table for sample 9 : RNA4_TP8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	0	0	2.4	3.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-12-18.xad

Created: 10/12/2020 4:12:17 PM
Modified: 10/12/2020 4:34:43 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : RNA4_TP9**

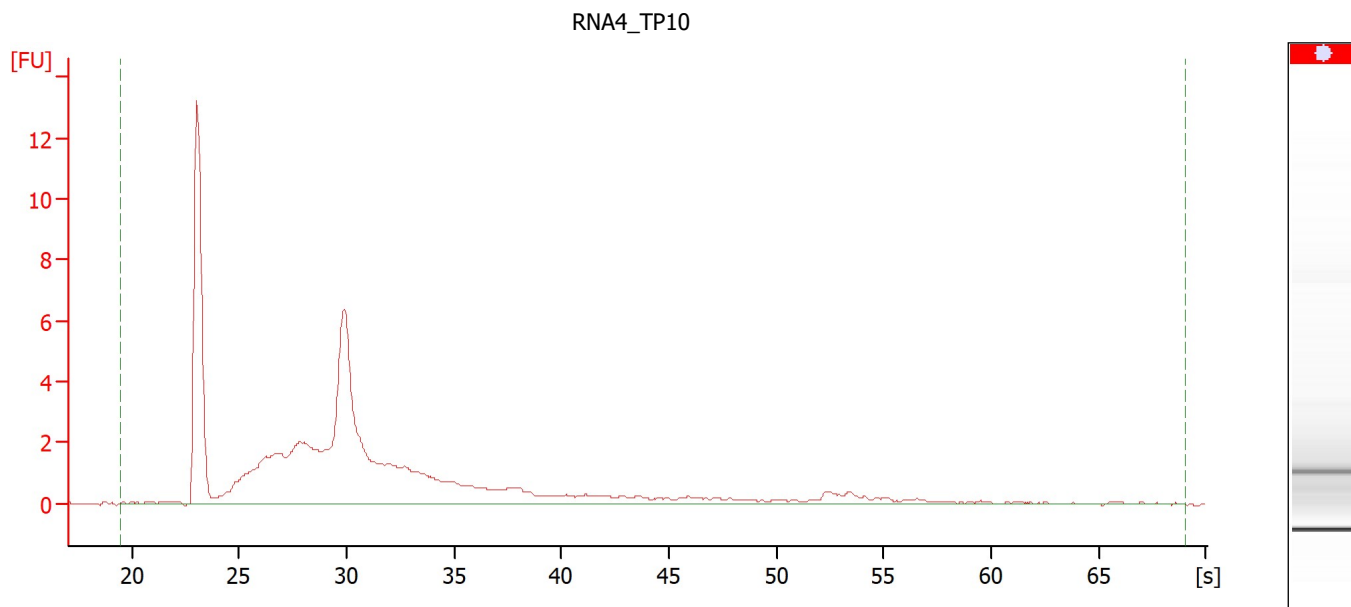
RNA Area:	99.7	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	15,239 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Fragment table for sample 10 : RNA4_TP9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	0	0	0.2	0.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-12-18.xad

Created: 10/12/2020 4:12:17 PM
Modified: 10/12/2020 4:34:43 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : RNA4 TP10**

RNA Area:	96.1	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	14,692 ng/ μ l	Result Flagging Color:	<div style="background-color: #ccccff; border: 1px solid black; width: 30px; height: 15px;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-12\Eukaryote Total RNA Nano_2020-10-12_16-12-18.xad

Created: 10/12/2020 4:12:17 PM
Modified: 10/12/2020 4:34:43 PM

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