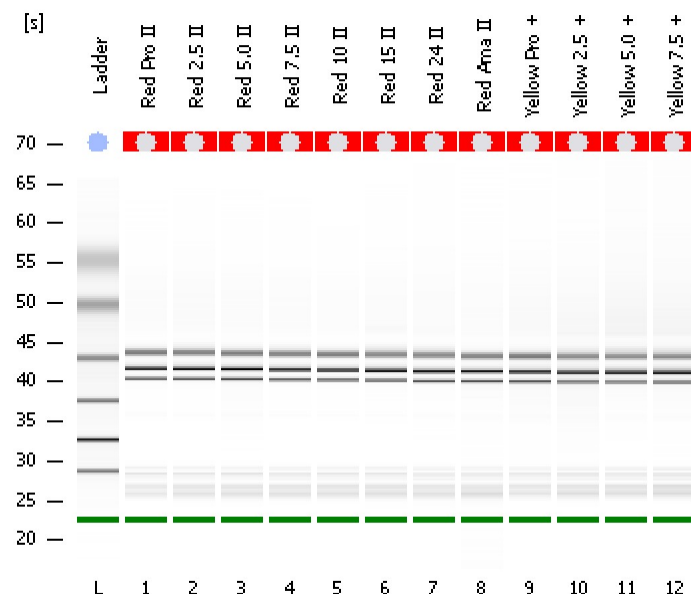


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2013-04-30_16-42-09.xad

Created: 4/30/2013 4:42:09 PM
Modified: 4/30/2013 5:06:16 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903145
Serial#: DE34903145

Firmware: C.01.069
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)

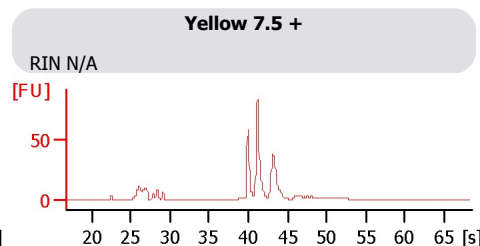
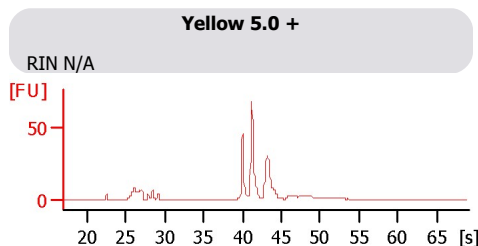
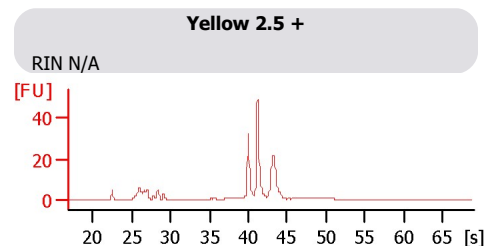
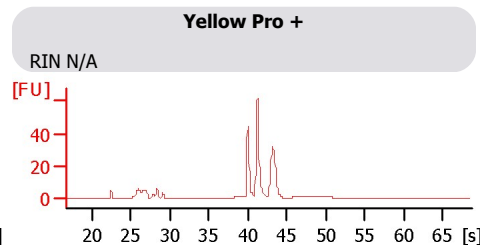
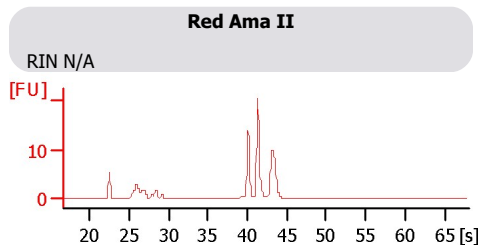
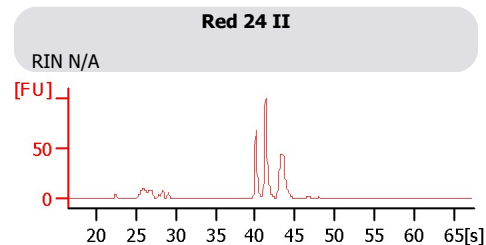
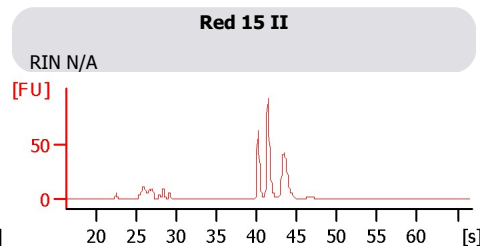
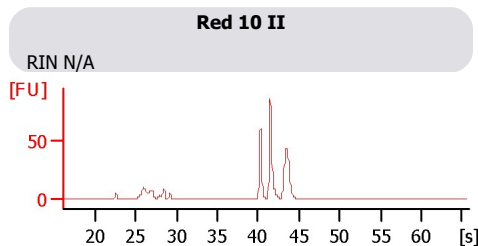
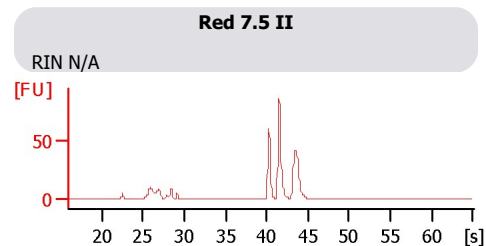
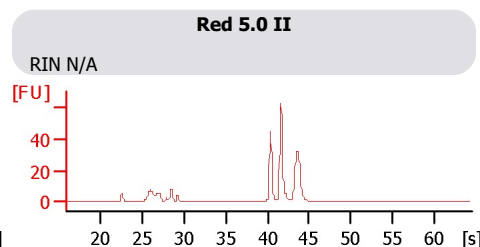
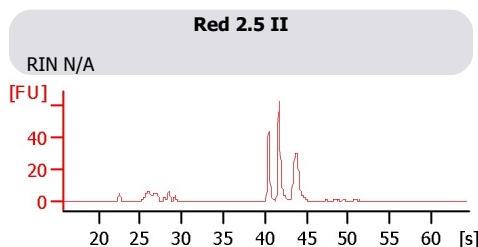
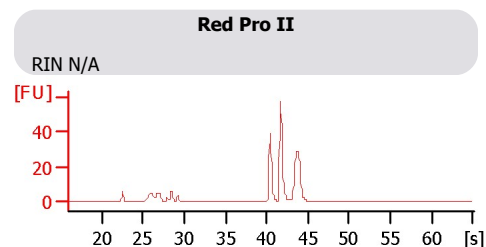
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2013-04-30_16-42-09.xad

Created: 4/30/2013 4:42:09 PM
Modified: 4/30/2013 5:06:16 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Red Pro II		✓	RIN N/A	
Red 2.5 II		✓	RIN N/A	
Red 5.0 II		✓	RIN N/A	
Red 7.5 II		✓	RIN N/A	
Red 10 II		✓	RIN N/A	
Red 15 II		✓	RIN N/A	
Red 24 II		✓	RIN N/A	
Red Ama II		✓	RIN N/A	
Yellow Pro +		✓	RIN N/A	
Yellow 2.5 +		✓	RIN N/A	
Yellow 5.0 +		✓	RIN N/A	
Yellow 7.5 +		✓	RIN N/A	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2013-04-30_16-42-09.xad

Created: 4/30/2013 4:42:09 PM
Modified: 4/30/2013 5:06:16 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

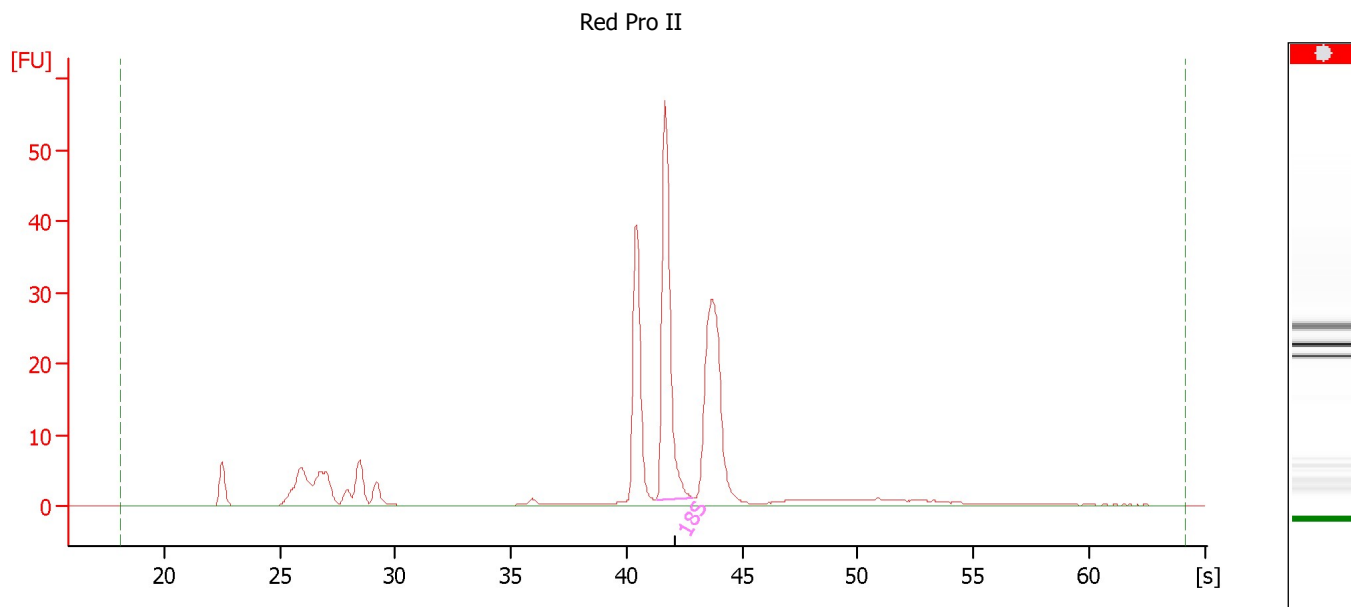
Filter Width [s] : 0.5
Polynomial Order : 4

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:\...Eukaryote Total RNA Nano_DE34903145_2013-04-30_16-42-09.xad

Created: 4/30/2013 4:42:09 PM
Modified: 4/30/2013 5:06:16 PM

Electropherogram Summary**Overall Results for sample 1 : Red Pro II**

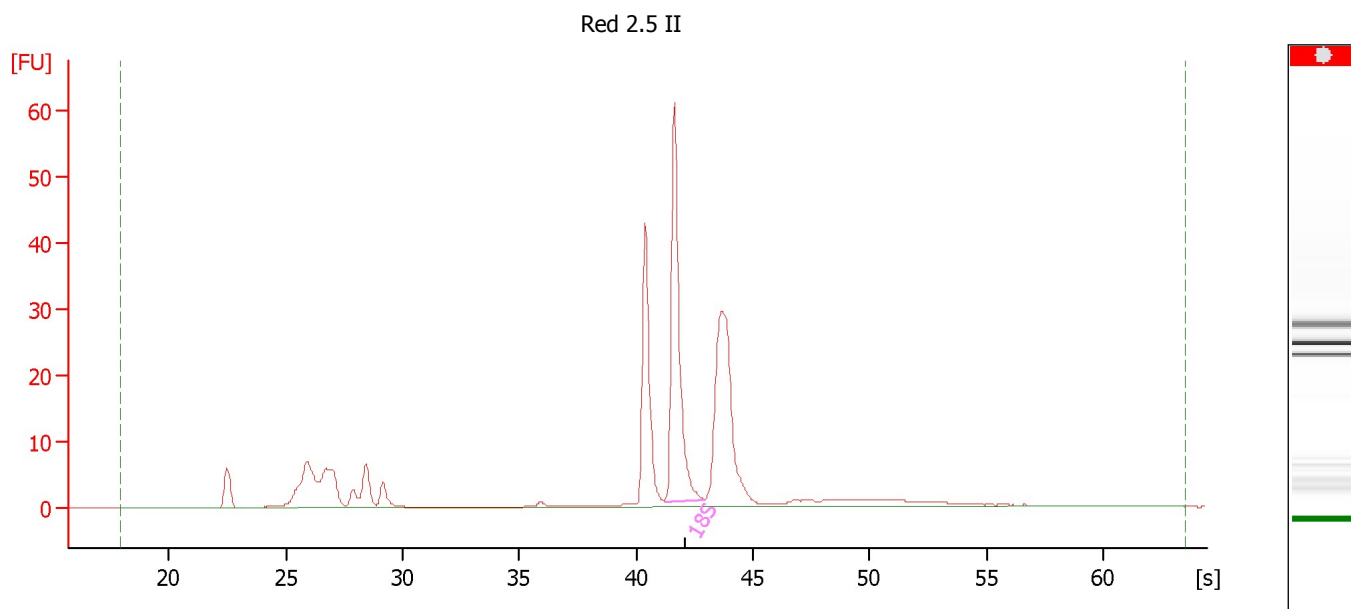
RNA Area:	211.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	230 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 1 : Red Pro II

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.28	42.91	52.2	24.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2013-04-30_16-42-09.xad

Created: 4/30/2013 4:42:09 PM
Modified: 4/30/2013 5:06:16 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : Red 2.5 II**

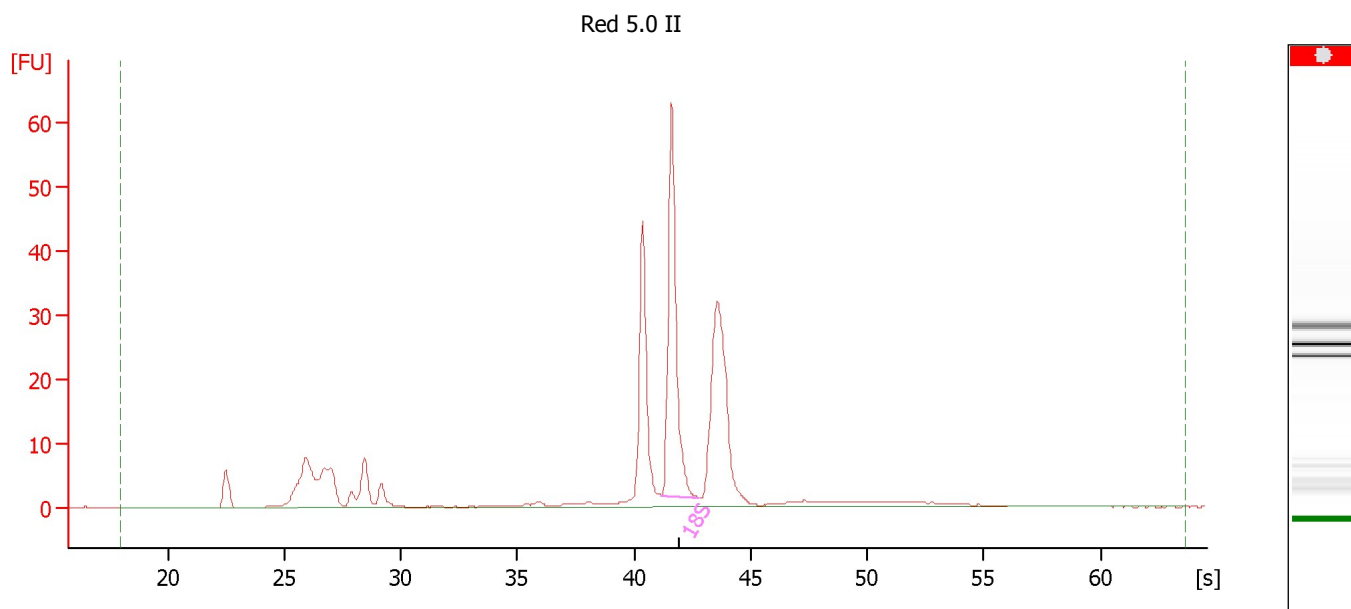
RNA Area:	235.4	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	256 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 2 : Red 2.5 II

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.23	42.93	57.1	24.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2013-04-30_16-42-09.xad

Created: 4/30/2013 4:42:09 PM
Modified: 4/30/2013 5:06:16 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : Red 5.0 II**

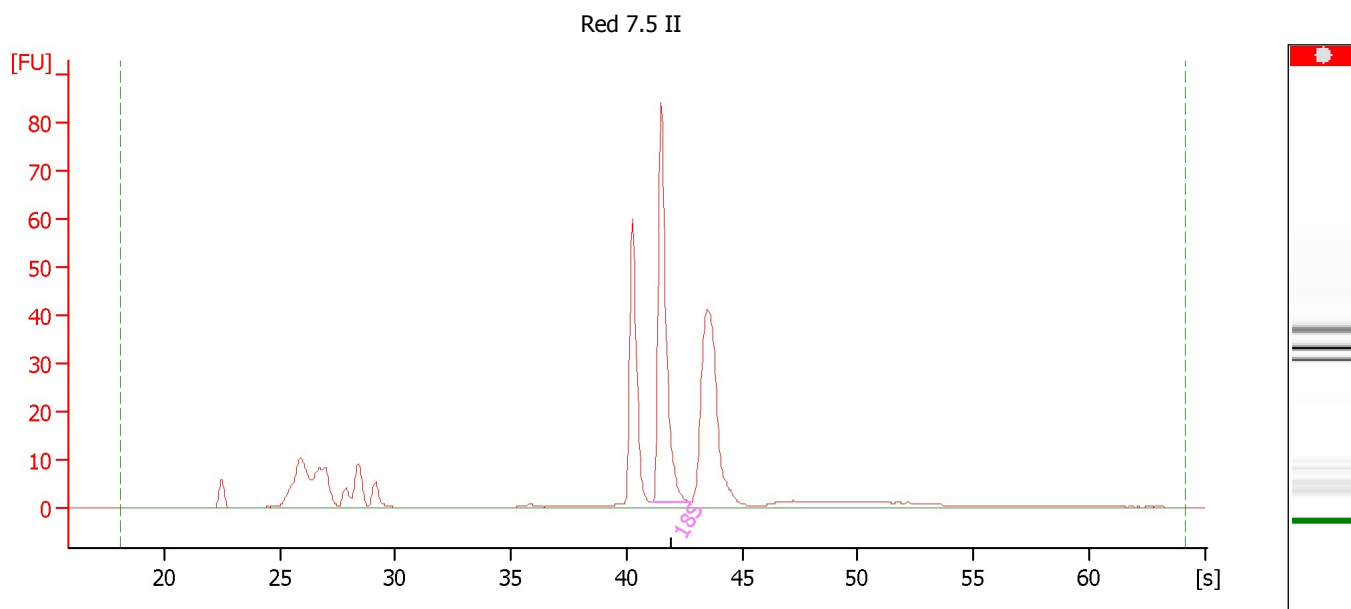
RNA Area:	246.4	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	268 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 3 : Red 5.0 II

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.17	42.79	57.7	23.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2013-04-30_16-42-09.xad

Created: 4/30/2013 4:42:09 PM
Modified: 4/30/2013 5:06:16 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : Red 7.5 II**

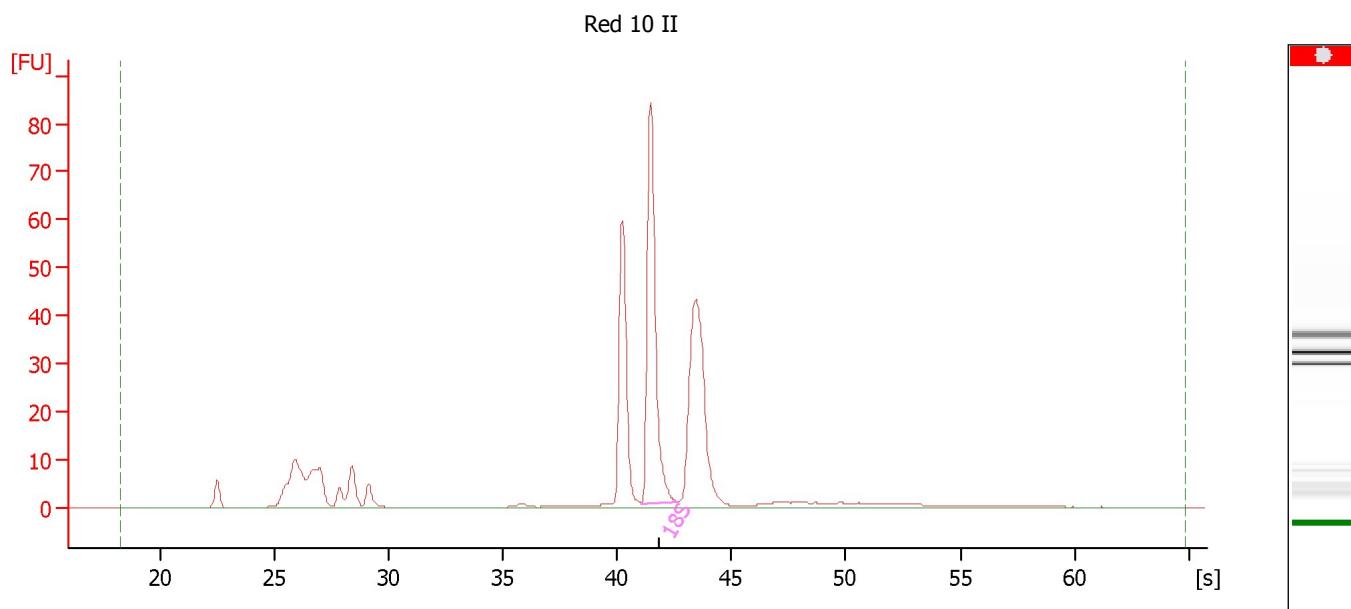
RNA Area:	318.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	346 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 4 : Red 7.5 II

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.10	42.77	80.4	25.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2013-04-30_16-42-09.xad

Created: 4/30/2013 4:42:09 PM
Modified: 4/30/2013 5:06:16 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : Red 10 II**

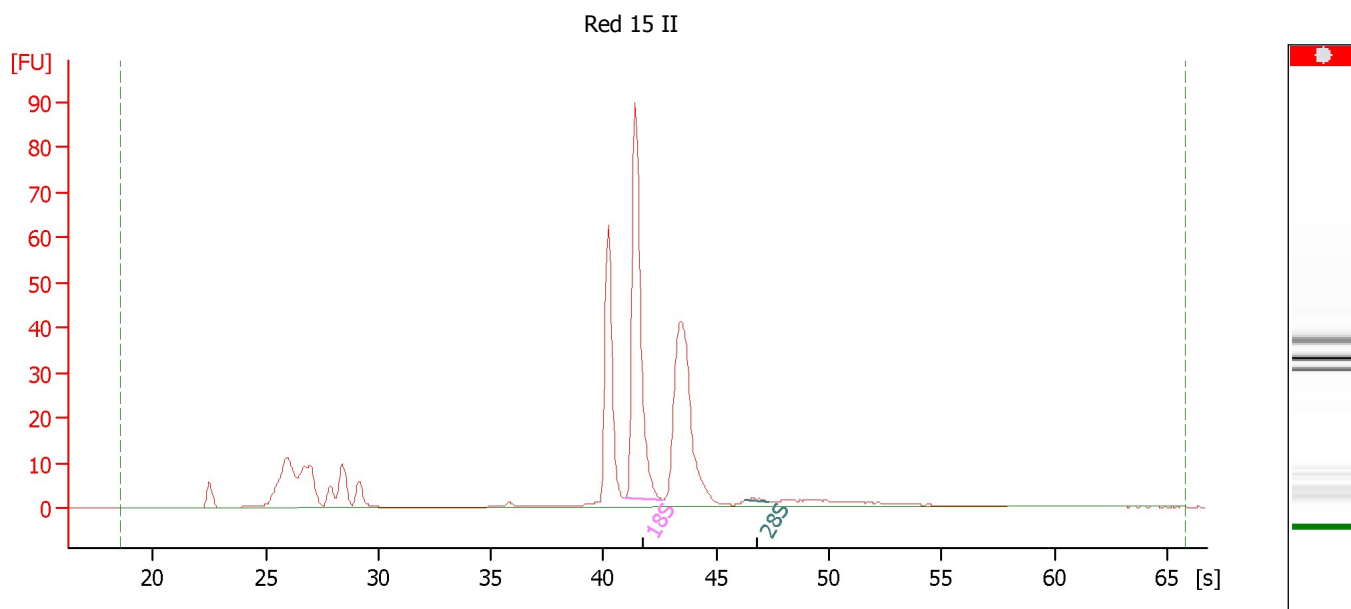
RNA Area:	315.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	343 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 5 : Red 10 II

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.05	42.70	79.7	25.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2013-04-30_16-42-09.xad

Created: 4/30/2013 4:42:09 PM
Modified: 4/30/2013 5:06:16 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : Red 15 II**

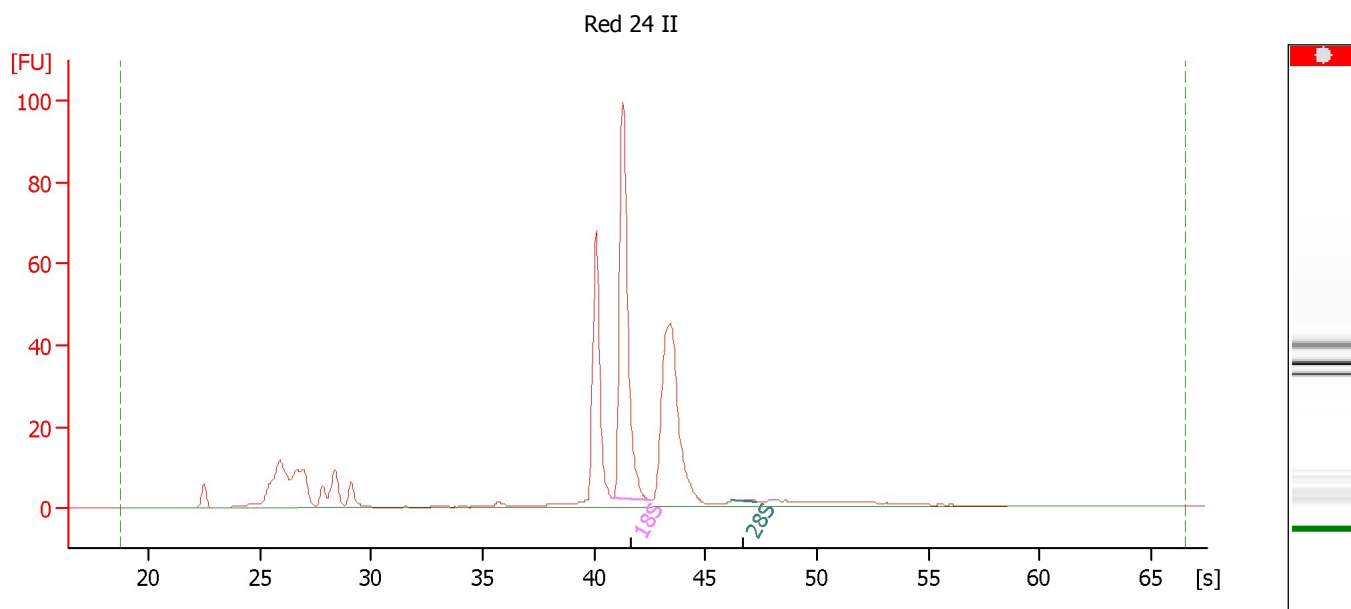
RNA Area:	363.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	396 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 6 : Red 15 II

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.95	42.66	91.3	25.1
28S	46.24	47.34	0.6	0.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2013-04-30_16-42-09.xad

Created: 4/30/2013 4:42:09 PM
Modified: 4/30/2013 5:06:16 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : Red 24 II**

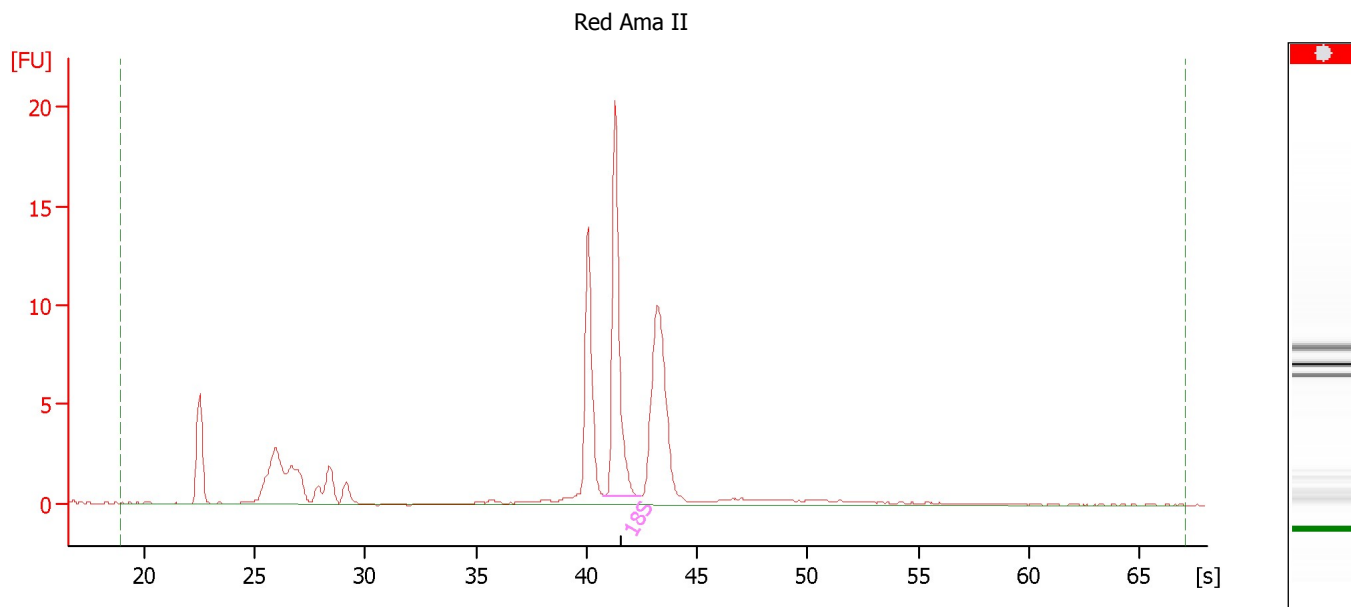
RNA Area:	400.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	436 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 7 : Red 24 II

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.86	42.54	98.3	24.6
28S	46.16	47.26	0.6	0.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2013-04-30_16-42-09.xad

Created: 4/30/2013 4:42:09 PM
Modified: 4/30/2013 5:06:16 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : Red Ama II**

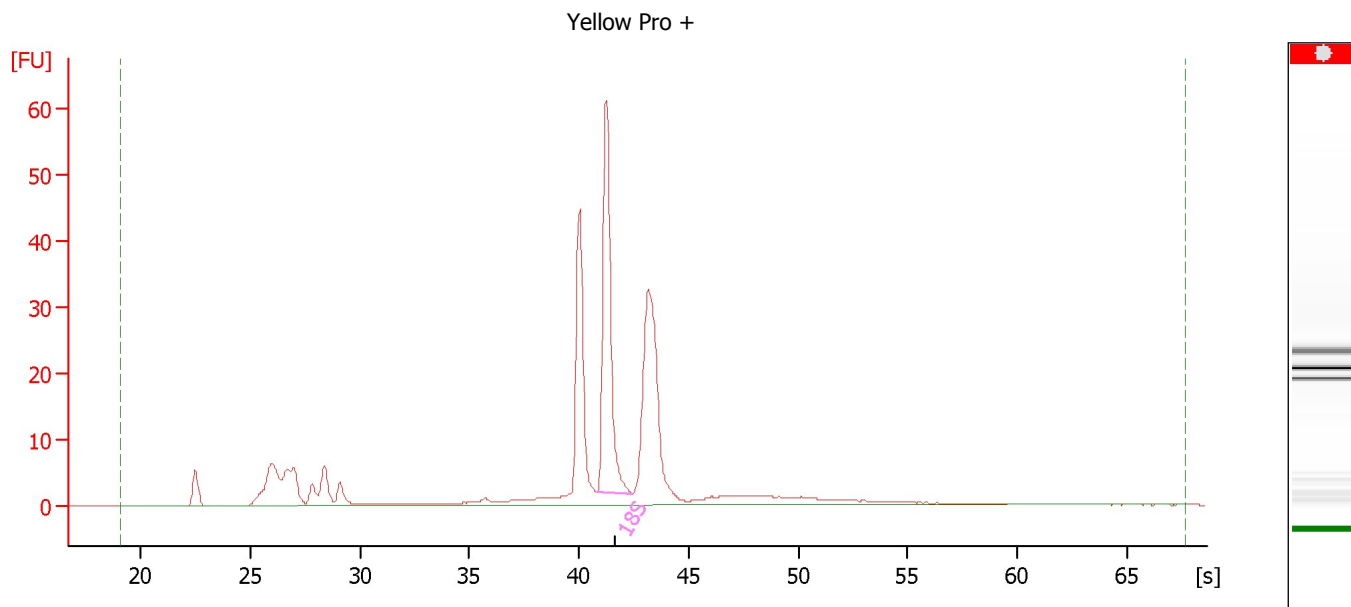
RNA Area:	75.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	82 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A


Fragment table for sample 8 : Red Ama II

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.77	42.47	18.0	23.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2013-04-30_16-42-09.xad

Created: 4/30/2013 4:42:09 PM
Modified: 4/30/2013 5:06:16 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : Yellow Pro +**

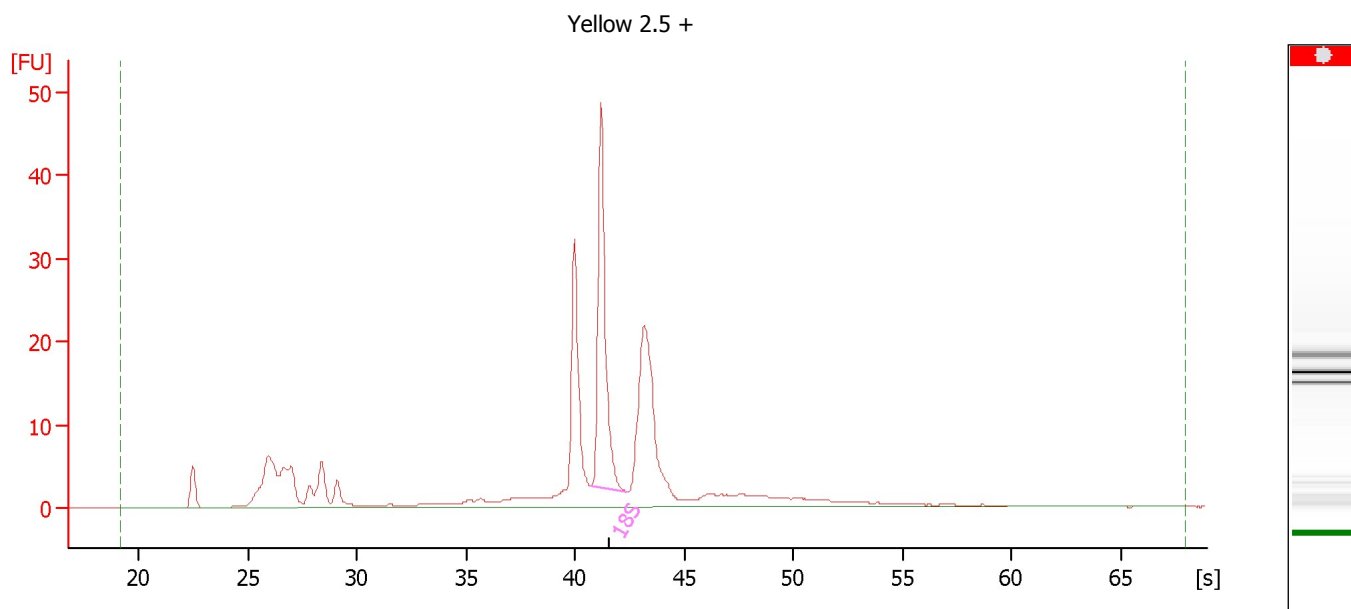
RNA Area:	258.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	281 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A


Fragment table for sample 9 : Yellow Pro +

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.83	42.45	56.8	22.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2013-04-30_16-42-09.xad

Created: 4/30/2013 4:42:09 PM
Modified: 4/30/2013 5:06:16 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : Yellow 2.5 +**

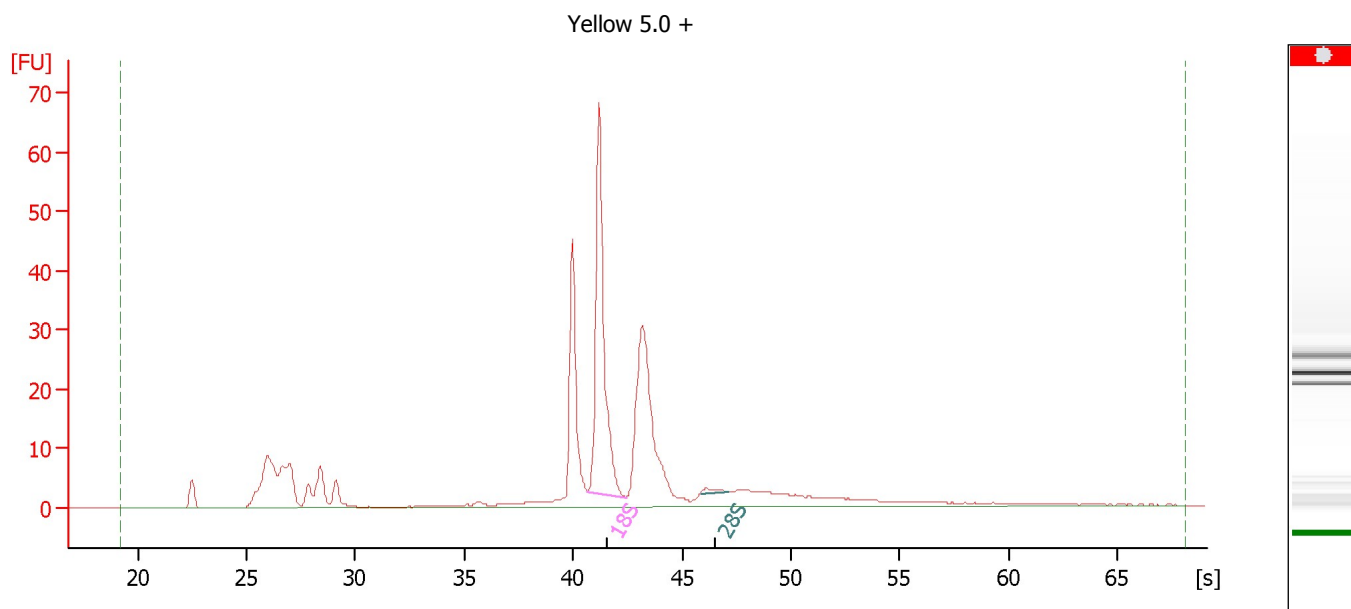
RNA Area:	220.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	240 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A


Fragment table for sample 10 : Yellow 2.5 +

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.72	42.39	44.1	20.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2013-04-30_16-42-09.xad

Created: 4/30/2013 4:42:09 PM
Modified: 4/30/2013 5:06:16 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : Yellow 5.0 +**

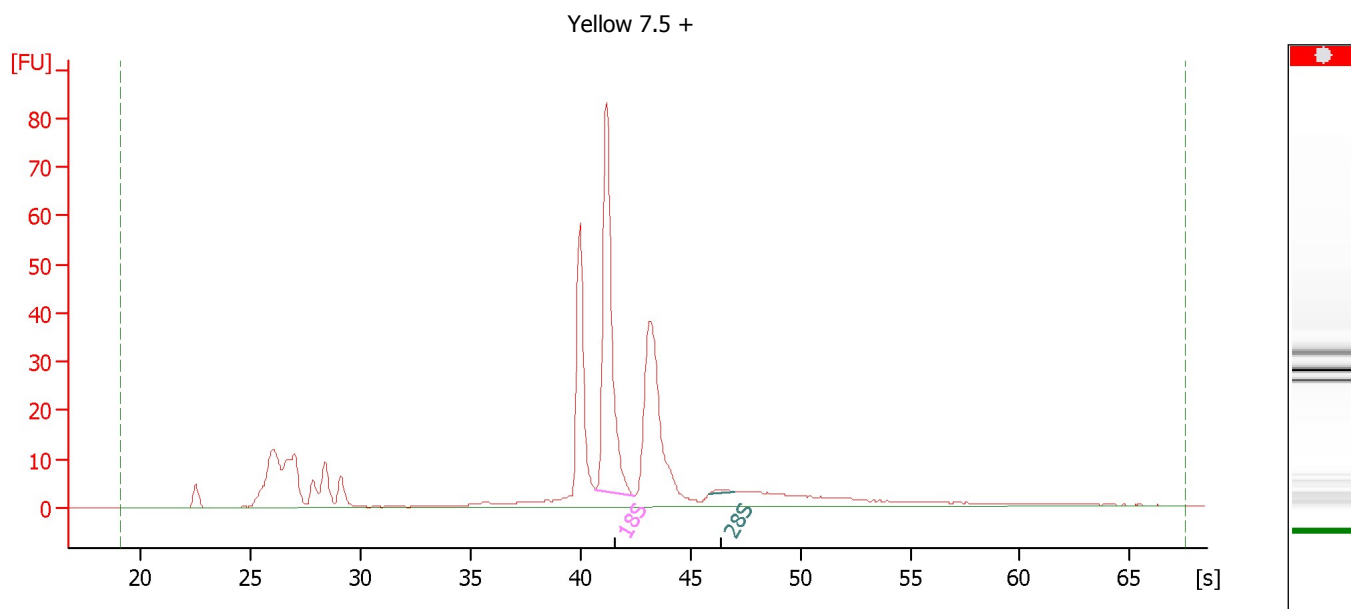
RNA Area:	298.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	325 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 11 : Yellow 5.0 +

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.66	42.43	69.4	23.2
28S	45.84	47.12	1.2	0.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2013-04-30_16-42-09.xad

Created: 4/30/2013 4:42:09 PM
Modified: 4/30/2013 5:06:16 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : Yellow 7.5 +**

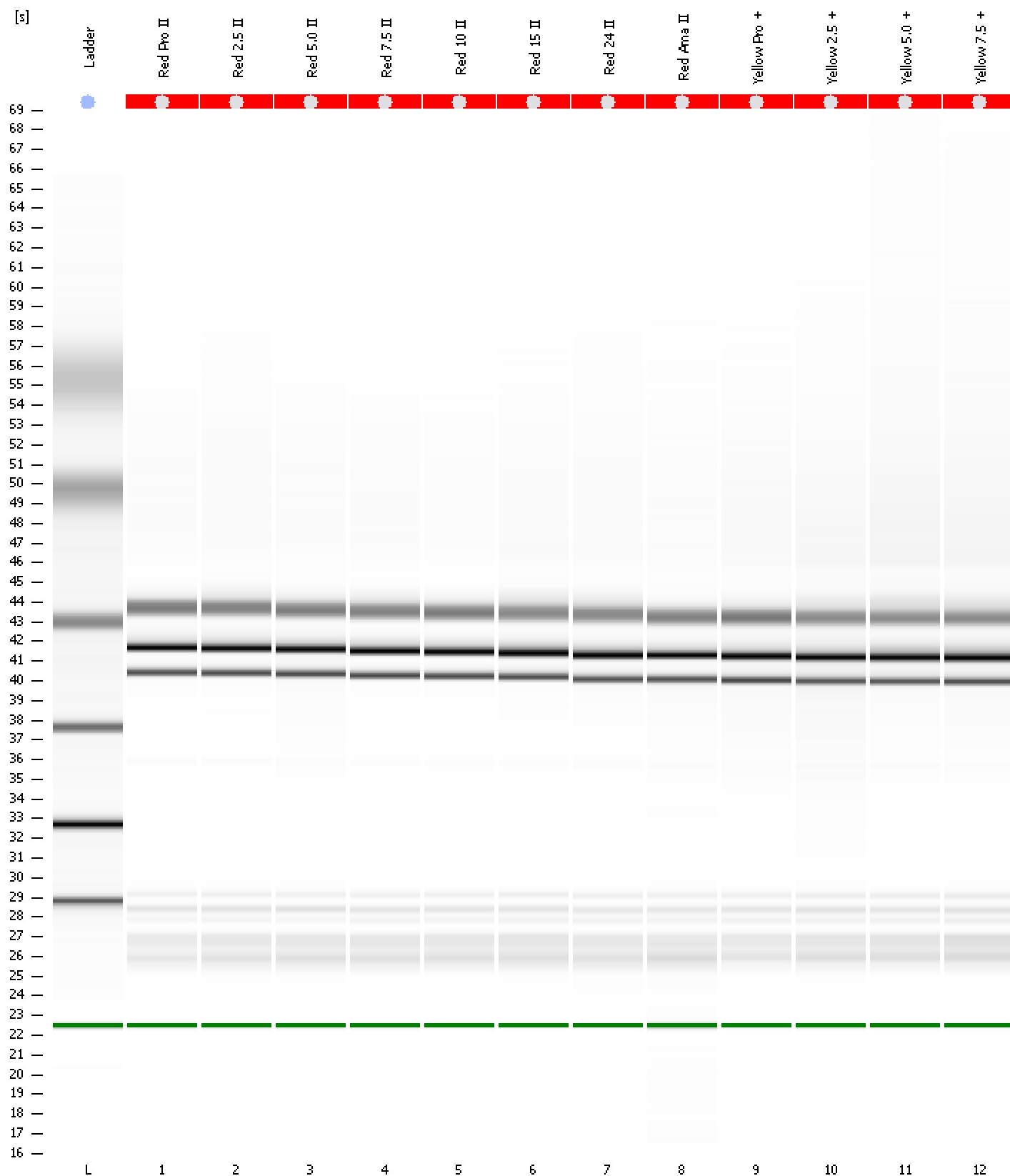
RNA Area:	386.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	421 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 12 : Yellow 7.5 +

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.65	42.46	87.3	22.6
28S	45.83	47.01	1.3	0.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...\Eukaryote Total RNA Nano_DE34903145_2013-04-30_16-42-09.xad

Created: 4/30/2013 4:42:09 PM
Modified: 4/30/2013 5:06:16 PM

Gel Image

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE34903145_2013-04-30_16-42-09.xad

Created: 4/30/2013 4:42:09 PM
Modified: 4/30/2013 5:06:16 PM

Curves

Standard Curve

