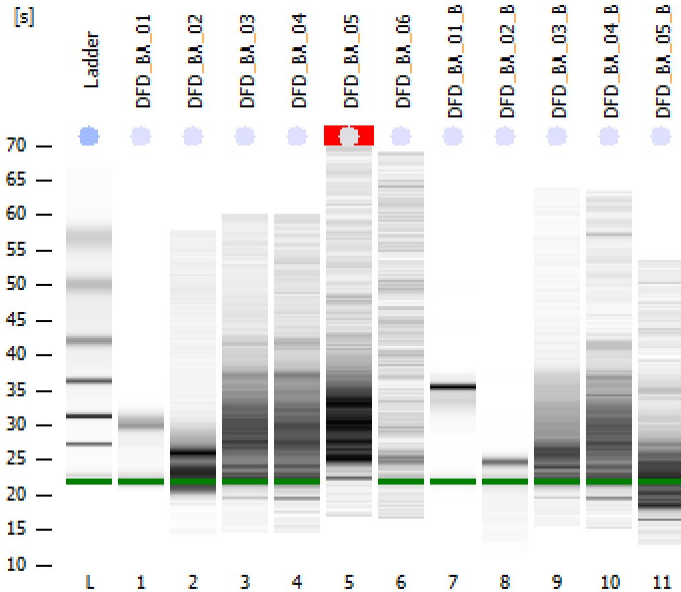


Assay Class: Plant RNA Pico  
 Data Path: C:\...5\Bioanalyzer1\_Plant RNA Pico\_DE34903152\_2023-10-05\_002.xad

Created: 10/5/2023 10:45:40 AM  
 Modified: 10/5/2023 11:07:51 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\Plant RNA Pico.xsy

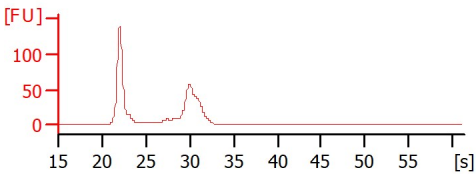
Assay Class: Plant RNA Pico  
 Version: 1.3  
 Assay Comments: Total RNA Analysis pg sensitivity (Plant)

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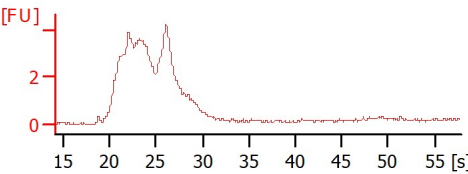
Chip Information:

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

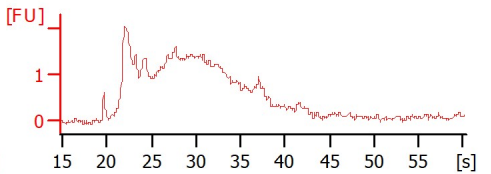
**DFD\_BA\_01**  
 RIN: 2.20



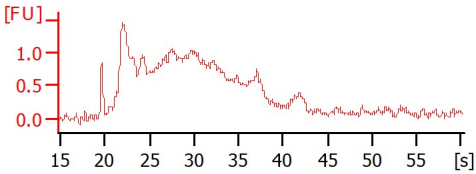
**DFD\_BA\_02**  
 RIN: 2.50



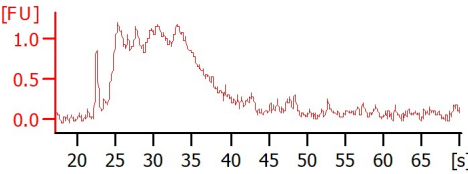
**DFD\_BA\_03**  
 RIN: 2.10



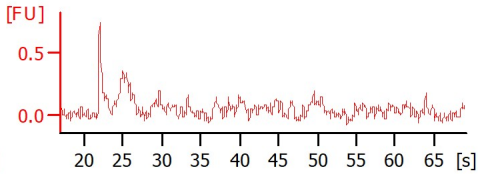
**DFD\_BA\_04**  
 RIN: 2.10



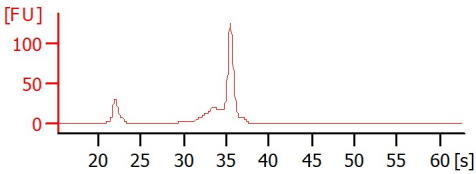
**DFD\_BA\_05**  
 RIN N/A



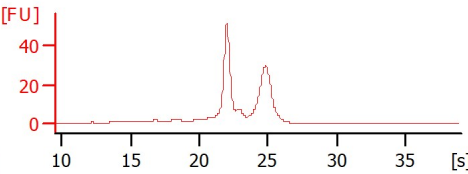
**DFD\_BA\_06**  
 RIN: 2.40



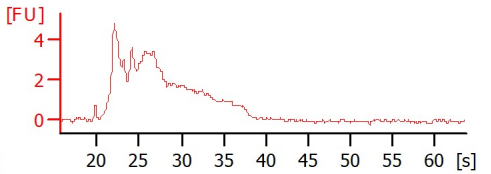
**DFD\_BA\_01\_B**  
 RIN: 1



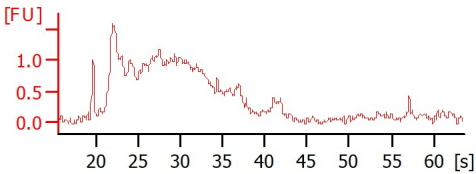
**DFD\_BA\_02\_B**  
 RIN: 2.70



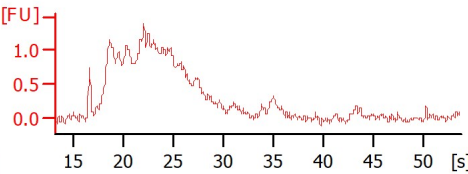
**DFD\_BA\_03\_B**  
 RIN: 2.30



**DFD\_BA\_04\_B**  
 RIN: 2.10



**DFD\_BA\_05\_B**  
 RIN: 2.40



Assay Class: Plant RNA Pico  
 Data Path: C:\...5\Bioanalyzer1\_Plant RNA Pico\_DE34903152\_2023-10-05\_002.xad

Created: 10/5/2023 10:45:40 AM  
 Modified: 10/5/2023 11:07:51 AM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Labels	Result Color
DFD_BA_01		✓	RIN: 2.20	
DFD_BA_02		✓	RIN: 2.50	
DFD_BA_03		✓	RIN: 2.10	
DFD_BA_04		✓	RIN: 2.10	
DFD_BA_05		✓	RIN N/A	
DFD_BA_06		✓	RIN: 2.40	
DFD_BA_01_B		✓	RIN:1	
DFD_BA_02_B		✓	RIN: 2.70	
DFD_BA_03_B		✓	RIN: 2.30	
DFD_BA_04_B		✓	RIN: 2.10	
DFD_BA_05_B		✓	RIN: 2.40	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Plant RNA Pico  
 Data Path: C:\...5\Bioanalyzer1\_Plant RNA Pico\_DE34903152\_2023-10-05\_002.xad

Created: 10/5/2023 10:45:40 AM  
 Modified: 10/5/2023 11:07:51 AM

**Electrophoresis Assay Details**

**General Analysis Settings**

Number of Available Sample and Ladder Wells (Max.) : 12  
 Minimum Visible Range [s] : 17  
 Maximum Visible Range [s] : 70  
 Start Analysis Time Range [s] : 18  
 End Analysis Time Range [s] : 69  
 Ladder Concentration [pg/μl] : 1000  
 Lower Marker Concentration [pg/μl] : 0  
 Upper Marker Concentration [pg/μl] : 0  
 Used Lower Marker for Quantitation  
 Standard Curve Fit is Logarithmic  
 Show Data Aligned to Lower Marker

**Integrator Settings**

Integration Start Time [s] : 18  
 Integration End Time [s] : 69  
 Slope Threshold : 0.6  
 Height Threshold [FU] : 0.5  
 Area Threshold : 0.2  
 Width Threshold [s] : 0.3  
 Baseline Plateau [s] : 6

**Filter Settings**

Filter Width [s] : 0.5  
 Polynomial Order : 4

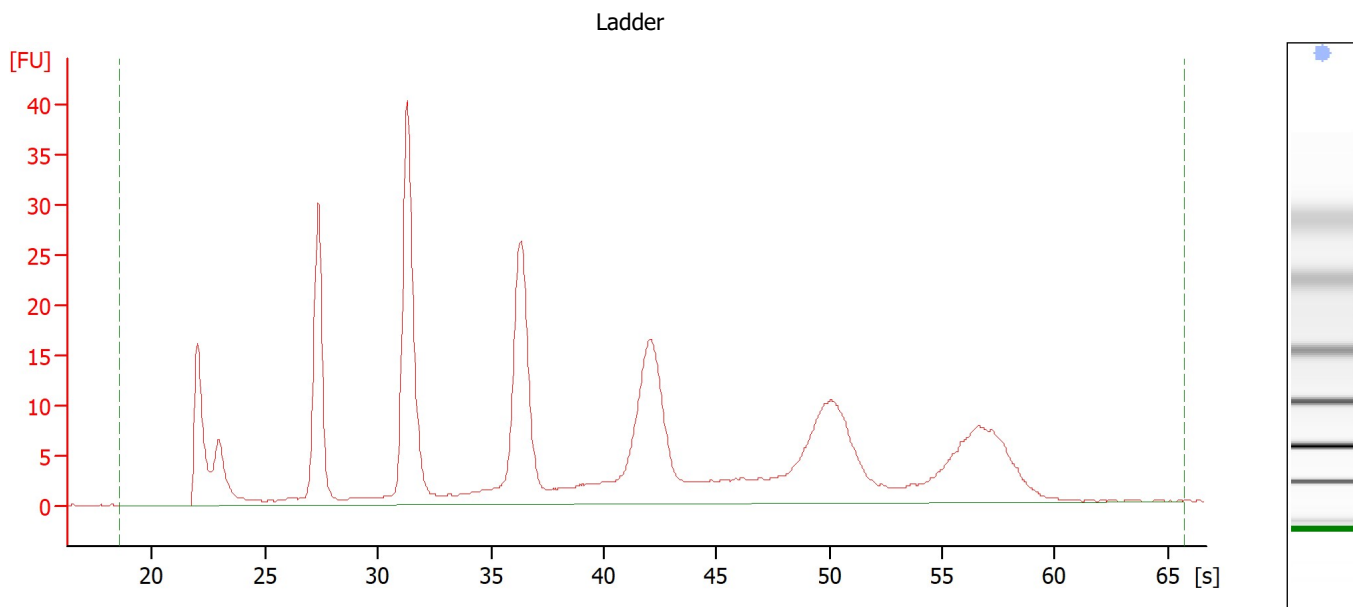
**Ladder**

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

Assay Class: Plant RNA Pico  
Data Path: C:\...5\Bioanalyzer1\_Plant RNA Pico\_DE34903152\_2023-10-05\_002.xad

Created: 10/5/2023 10:45:40 AM  
Modified: 10/5/2023 11:07:51 AM

**Electropherogram Summary**



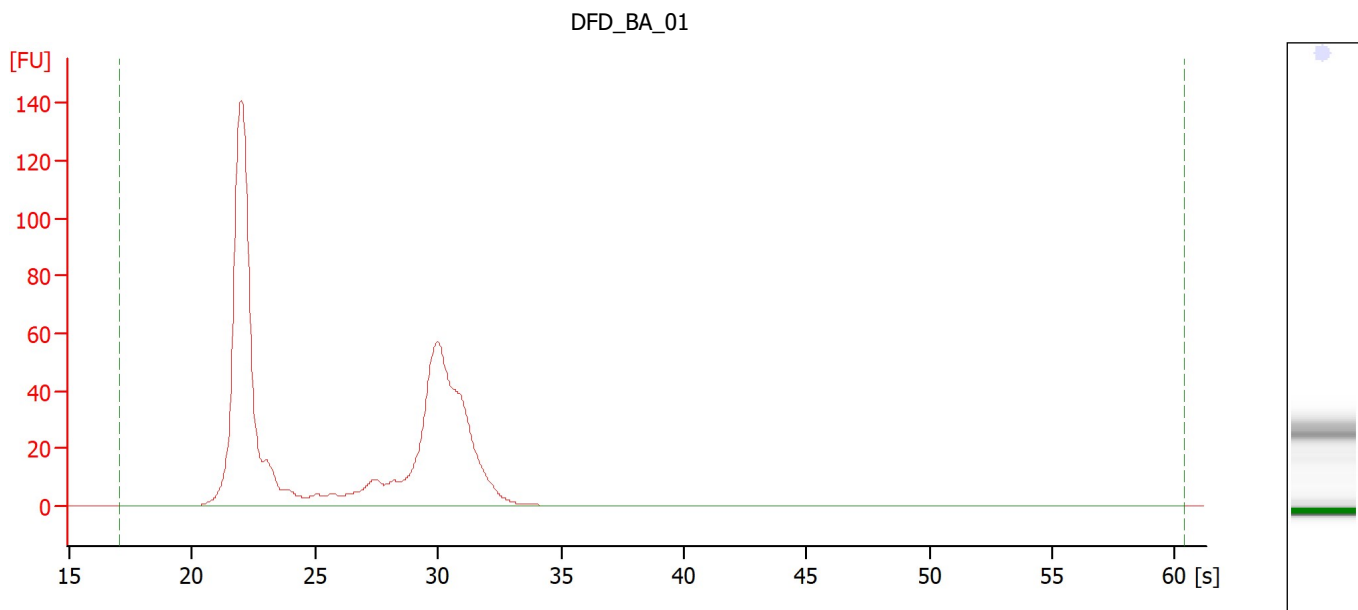
**Overall Results for Ladder**

RNA Area:	404.9	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Plant RNA Pico  
 Data Path: C:\...5\Bioanalyzer1\_Plant RNA Pico\_DE34903152\_2023-10-05\_002.xad

Created: 10/5/2023 10:45:40 AM  
 Modified: 10/5/2023 11:07:51 AM

**Electropherogram Summary Continued ...**



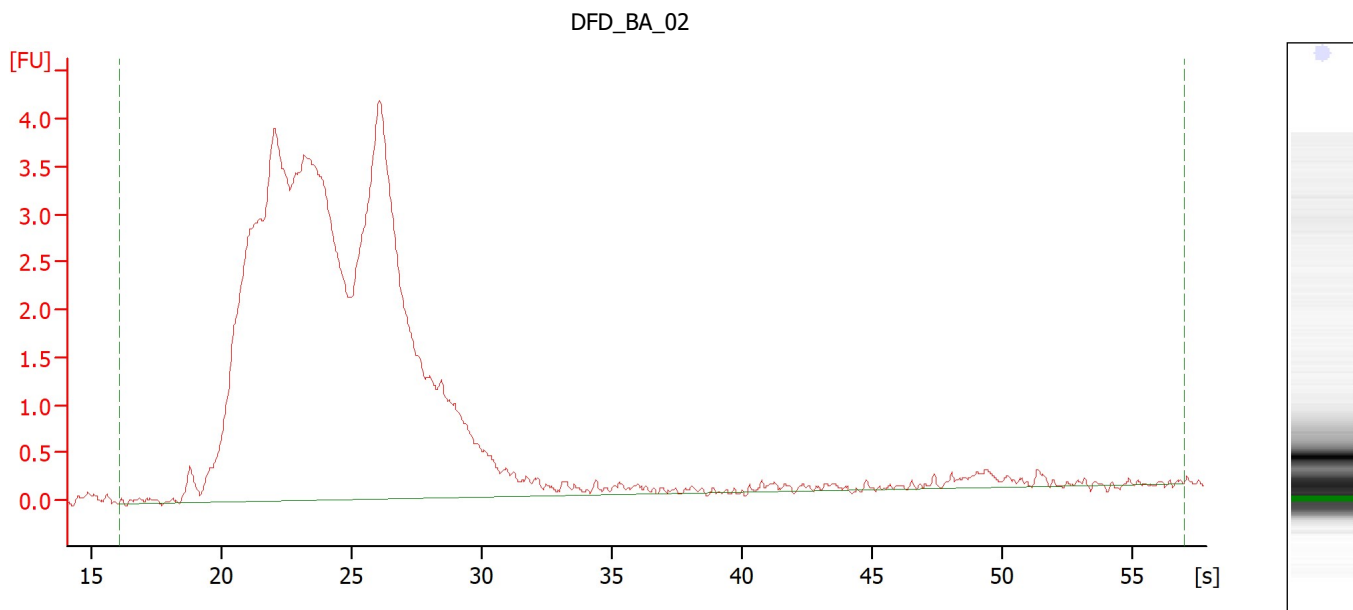
**Overall Results for sample 1 : DFD\_BA\_01**

RNA Area:	453.2	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	1,119 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Plant RNA Pico  
Data Path: C:\...5\Bioanalyzer1\_Plant RNA Pico\_DE34903152\_2023-10-05\_002.xad

Created: 10/5/2023 10:45:40 AM  
Modified: 10/5/2023 11:07:51 AM

**Electropherogram Summary Continued ...**



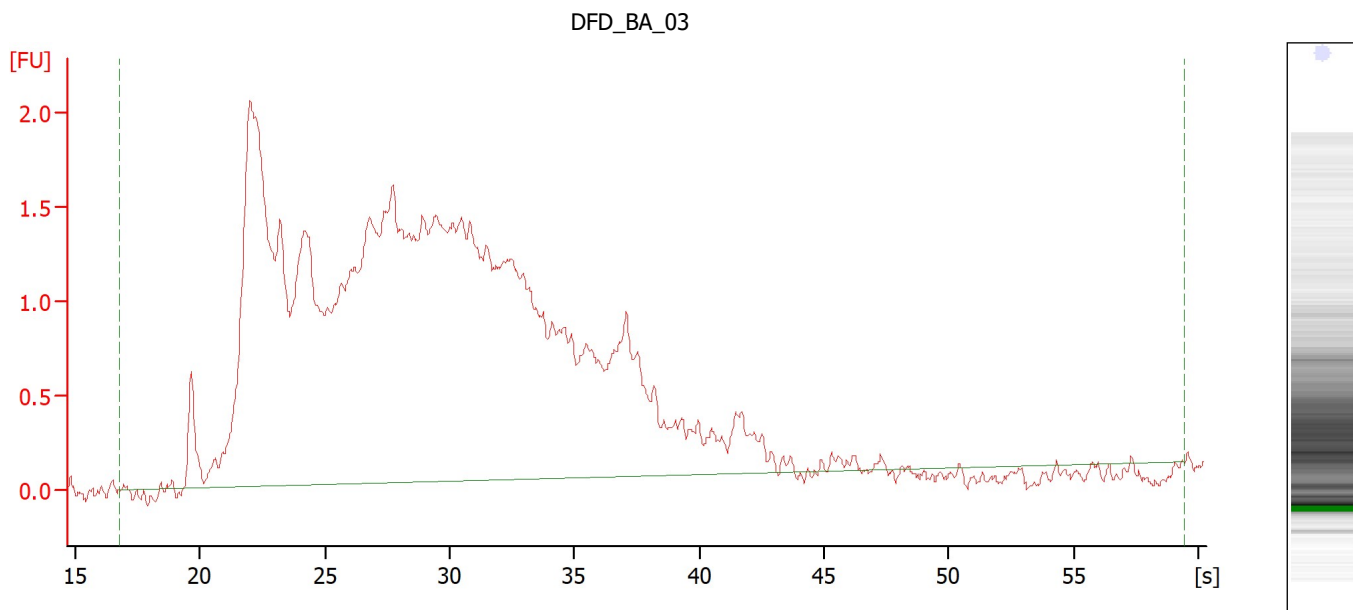
**Overall Results for sample 2 : DFD\_BA\_02**

RNA Area:	75.9	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	187 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Plant RNA Pico  
Data Path: C:\...5\Bioanalyzer1\_Plant RNA Pico\_DE34903152\_2023-10-05\_002.xad

Created: 10/5/2023 10:45:40 AM  
Modified: 10/5/2023 11:07:51 AM

**Electropherogram Summary Continued ...**



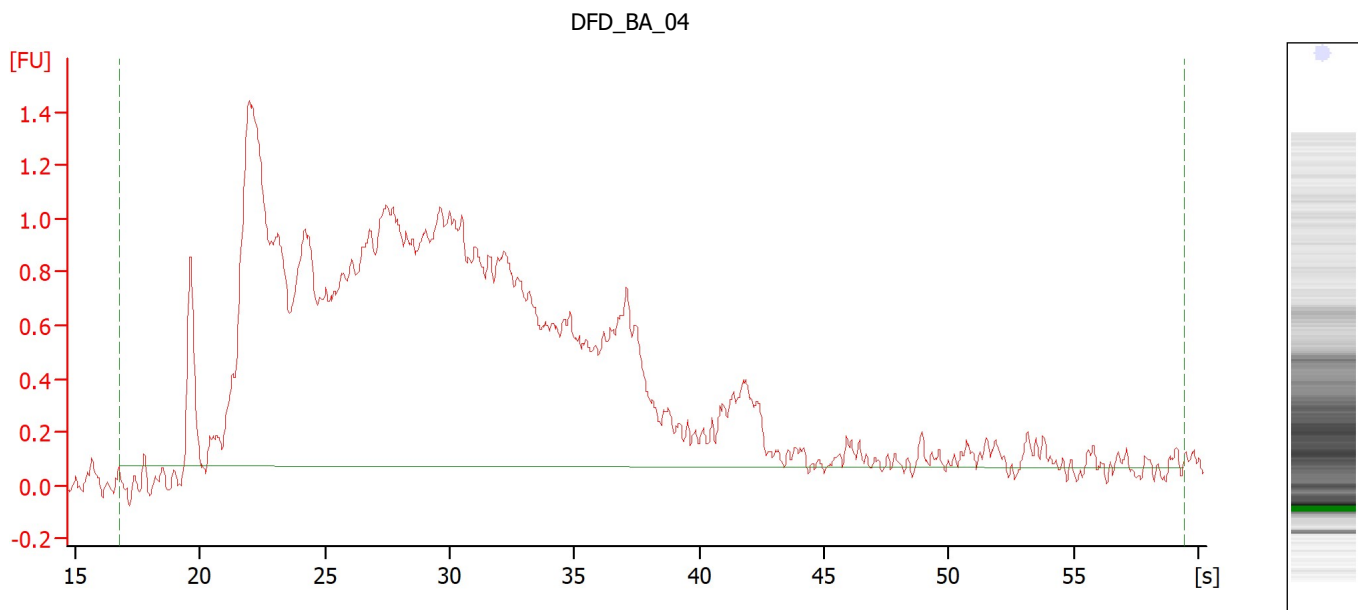
**Overall Results for sample 3 : DFD\_BA\_03**

RNA Area:	60.8	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	150 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Plant RNA Pico  
Data Path: C:\...5\Bioanalyzer1\_Plant RNA Pico\_DE34903152\_2023-10-05\_002.xad

Created: 10/5/2023 10:45:40 AM  
Modified: 10/5/2023 11:07:51 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : DFD\_BA\_04**

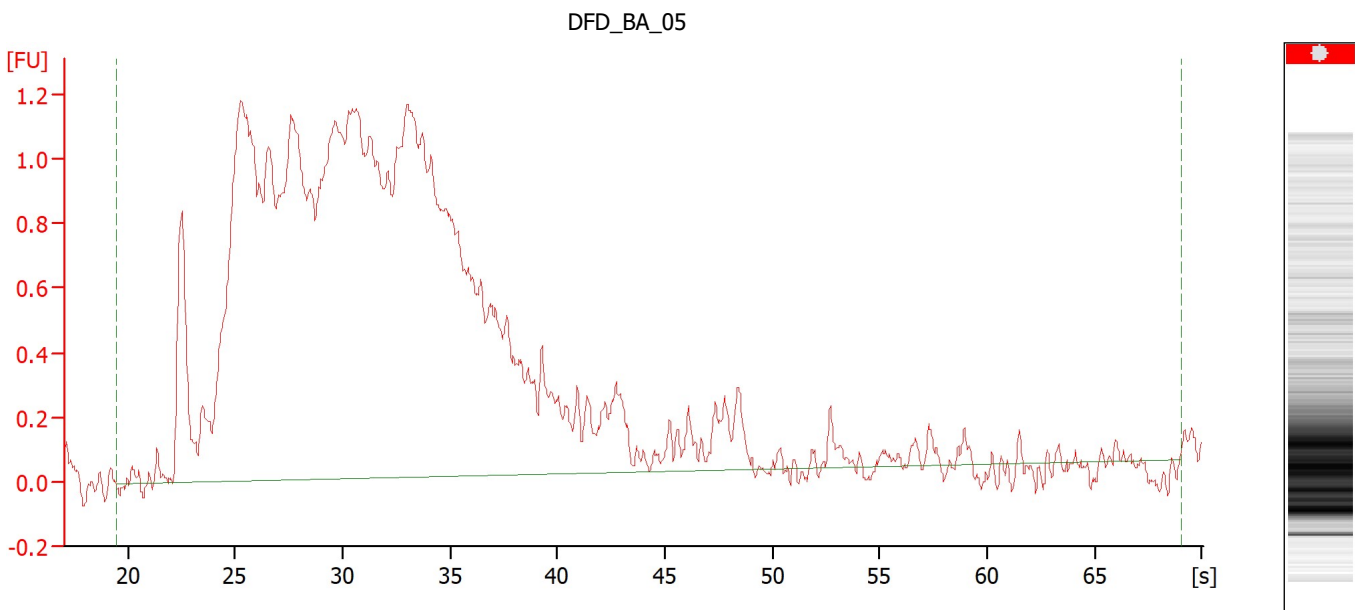
RNA Area:	42.9	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	106 µg/µl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10



Assay Class: Plant RNA Pico  
Data Path: C:\...5\Bioanalyzer1\_Plant RNA Pico\_DE34903152\_2023-10-05\_002.xad

Created: 10/5/2023 10:45:40 AM  
Modified: 10/5/2023 11:07:51 AM

**Electropherogram Summary Continued ...**



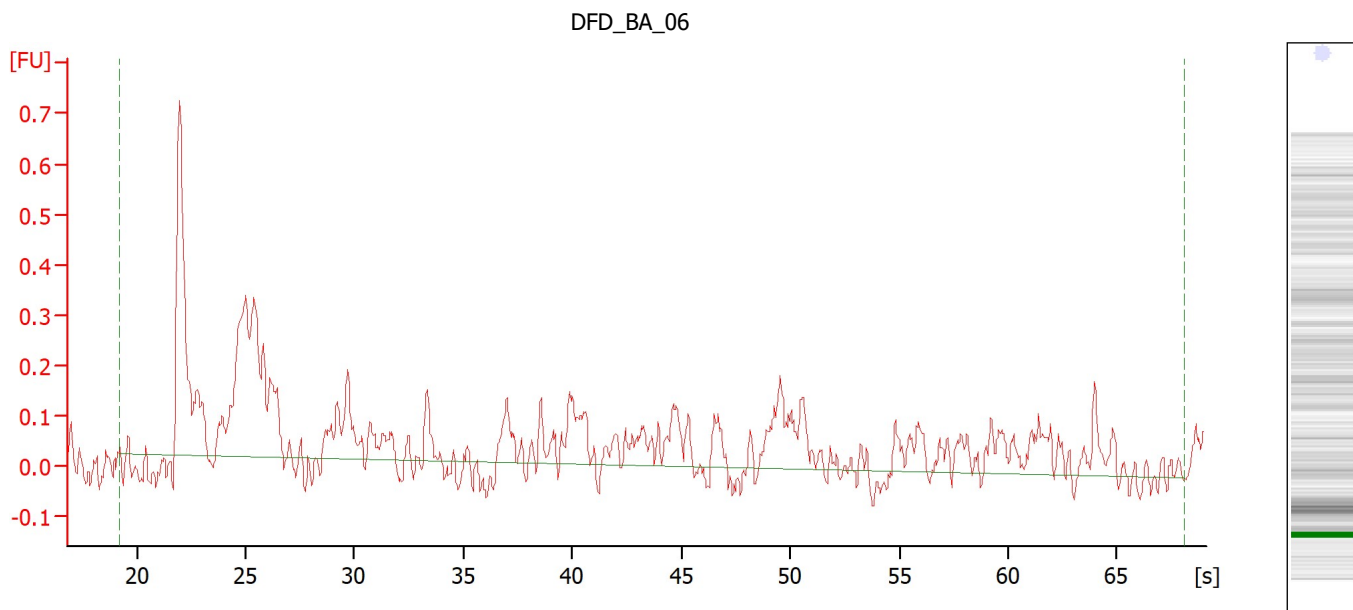
**Overall Results for sample 5 : DFD\_BA\_05**

RNA Concentration:	118 pg/μl	Result Flagging Color:	<input type="checkbox"/>
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Plant RNA Pico  
Data Path: C:\...5\Bioanalyzer1\_Plant RNA Pico\_DE34903152\_2023-10-05\_002.xad

Created: 10/5/2023 10:45:40 AM  
Modified: 10/5/2023 11:07:51 AM

**Electropherogram Summary Continued ...**



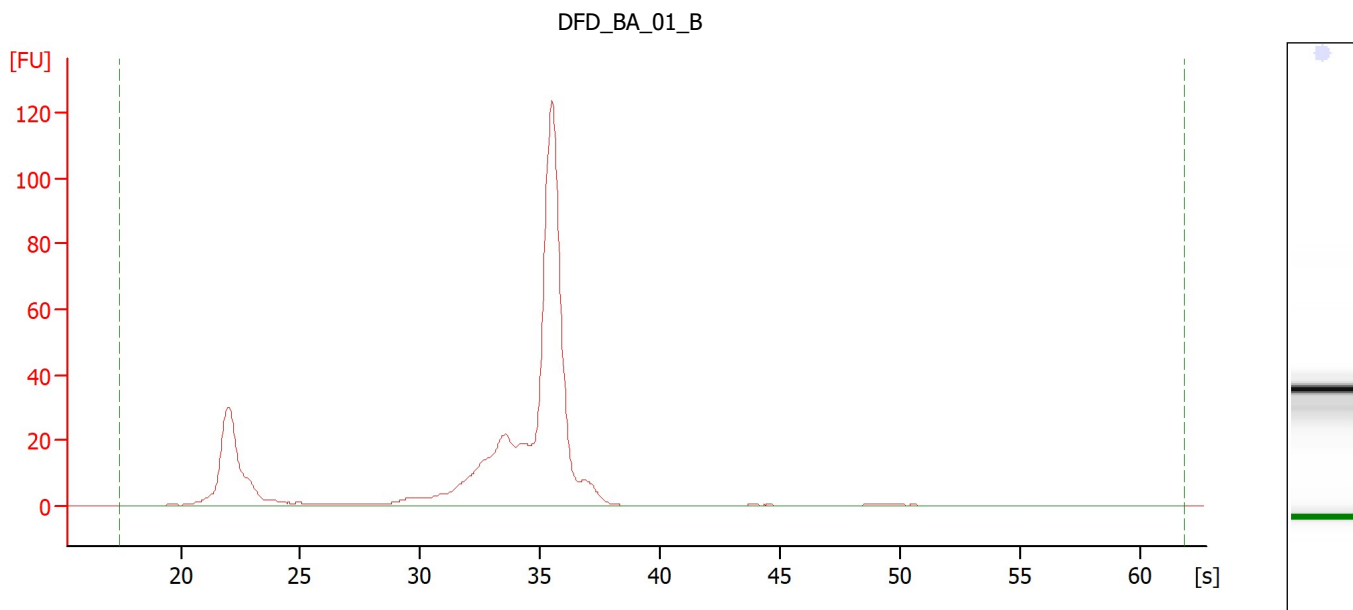
**Overall Results for sample 6 : DFD\_BA\_06**

RNA Area:	5.9	RNA Integrity Number (RIN):	2.4 (B.02.10)
RNA Concentration:	15 pg/ $\mu$ l	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Plant RNA Pico  
 Data Path: C:\...5\Bioanalyzer1\_Plant RNA Pico\_DE34903152\_2023-10-05\_002.xad

Created: 10/5/2023 10:45:40 AM  
 Modified: 10/5/2023 11:07:51 AM

**Electropherogram Summary Continued ...**



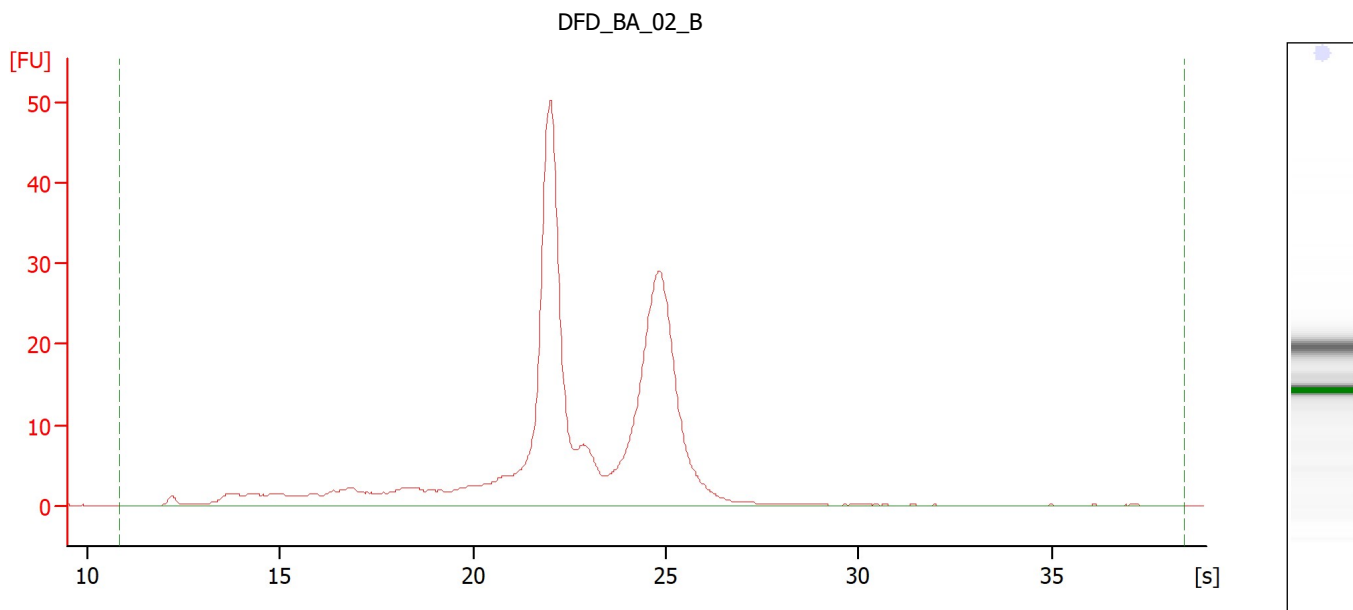
**Overall Results for sample 7 : DFD\_BA\_01\_B**

RNA Area:	488.5	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	1,206 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Plant RNA Pico  
Data Path: C:\...5\Bioanalyzer1\_Plant RNA Pico\_DE34903152\_2023-10-05\_002.xad

Created: 10/5/2023 10:45:40 AM  
Modified: 10/5/2023 11:07:51 AM

**Electropherogram Summary Continued ...**



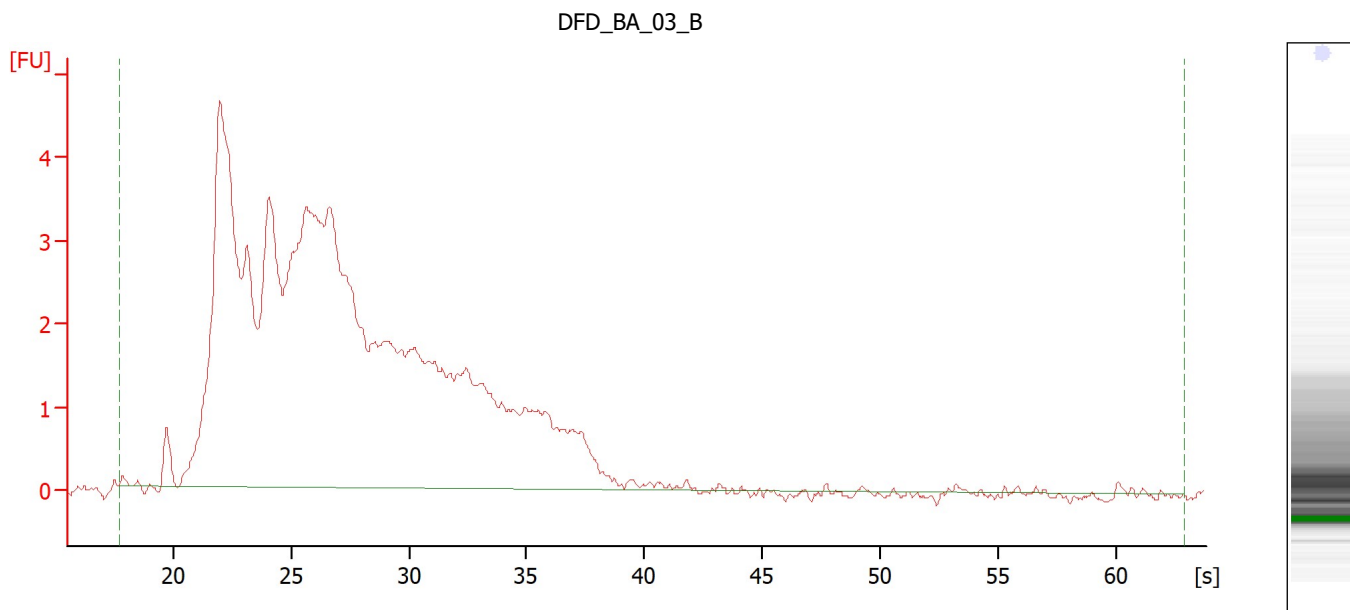
**Overall Results for sample 8 : DFD\_BA\_02\_B**

RNA Area:	237.2	RNA Integrity Number (RIN):	2.7 (B.02.10)
RNA Concentration:	586 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.70

Assay Class: Plant RNA Pico  
Data Path: C:\...5\Bioanalyzer1\_Plant RNA Pico\_DE34903152\_2023-10-05\_002.xad

Created: 10/5/2023 10:45:40 AM  
Modified: 10/5/2023 11:07:51 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : DFD\_BA\_03\_B**

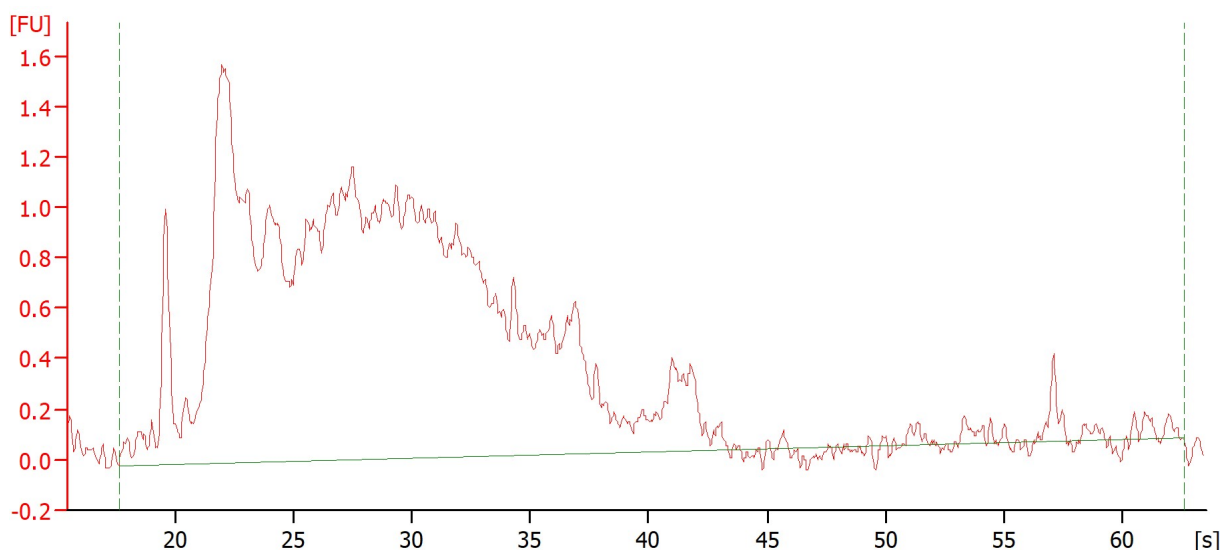
RNA Area:	96.2	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	238 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Plant RNA Pico  
Data Path: C:\...5\Bioanalyzer1\_Plant RNA Pico\_DE34903152\_2023-10-05\_002.xad

Created: 10/5/2023 10:45:40 AM  
Modified: 10/5/2023 11:07:51 AM

**Electropherogram Summary Continued ...**

DFD\_BA\_04\_B



**Overall Results for sample 10 : DFD BA 04 B**

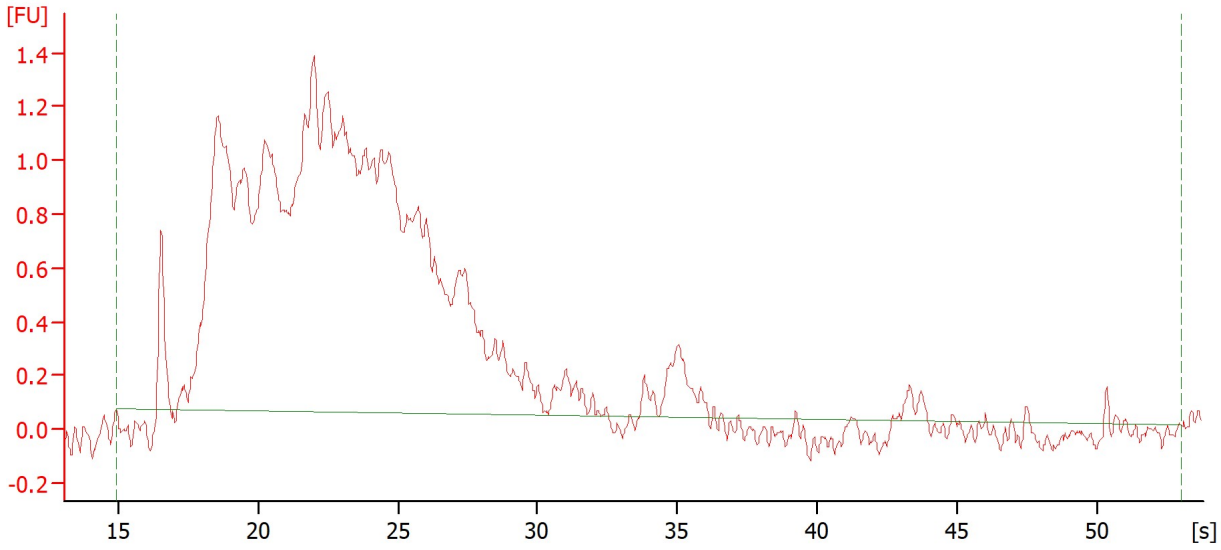
RNA Area:	50.1	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	124 µg/µl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Plant RNA Pico  
Data Path: C:\...5\Bioanalyzer1\_Plant RNA Pico\_DE34903152\_2023-10-05\_002.xad

Created: 10/5/2023 10:45:40 AM  
Modified: 10/5/2023 11:07:51 AM

**Electropherogram Summary Continued ...**

DFD\_BA\_05\_B



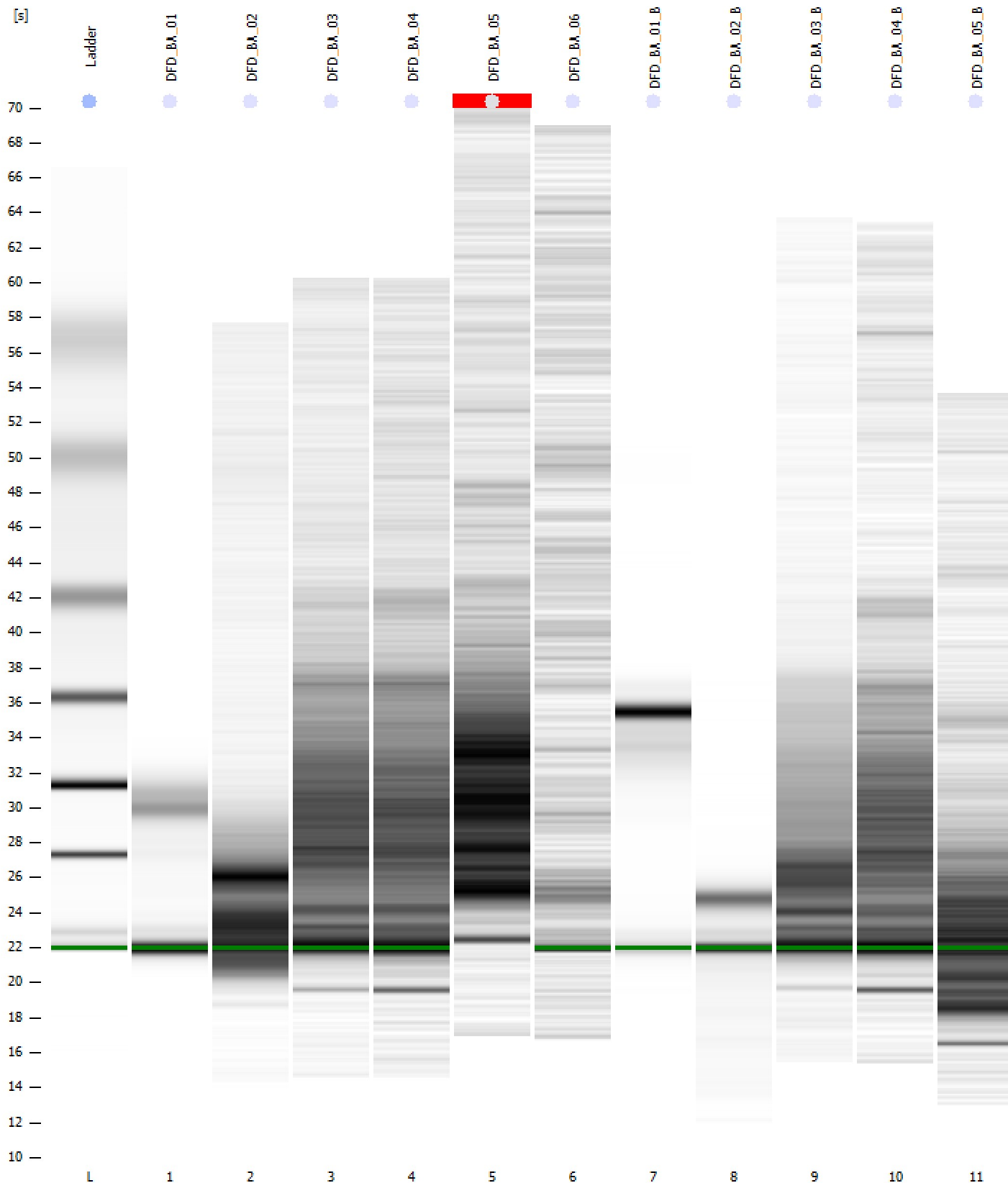
**Overall Results for sample 11 : DFD\_BA\_05\_B**

RNA Area:	37.4	RNA Integrity Number (RIN):	2.4 (B.02.10)
RNA Concentration:	92 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Plant RNA Pico  
Data Path: C:\...5\Bioanalyzer1\_Plant RNA Pico\_DE34903152\_2023-10-05\_002.xad

Created: 10/5/2023 10:45:40 AM  
Modified: 10/5/2023 11:07:51 AM

Gel Image



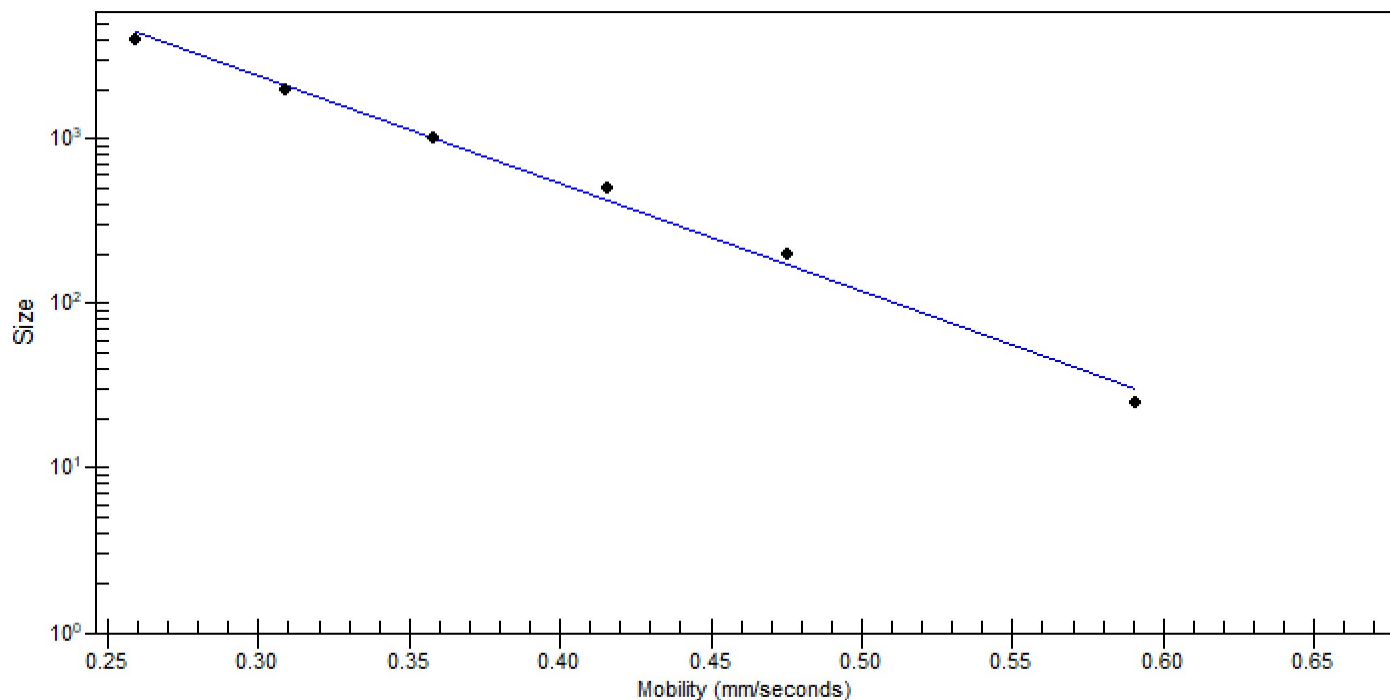


Assay Class: Plant RNA Pico  
Data Path: C:\...5\Bioanalyzer1\_Plant RNA Pico\_DE34903152\_2023-10-05\_002.xad

Created: 10/5/2023 10:45:40 AM  
Modified: 10/5/2023 11:07:51 AM

**Curves**

**Standard Curve**



Assay Class: Plant RNA Pico  
 Data Path: C:\...5\Bioanalyzer1\_Plant RNA Pico\_DE34903152\_2023-10-05\_002.xad

Created: 10/5/2023 10:45:40 AM  
 Modified: 10/5/2023 11:07:51 AM

**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		10/5/2023 11:07:44 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2023-10-05\Bioanalyzer1_Plant RNA Pico_DE34903152_2023-10-05_Product Number : G2938C		Instrument	Run		10/5/2023 10:45:45 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/5/2023 10:45:45 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/5/2023 10:45:45 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/5/2023 10:45:45 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/5/2023 10:45:45 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/5/2023 10:45:45 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB