

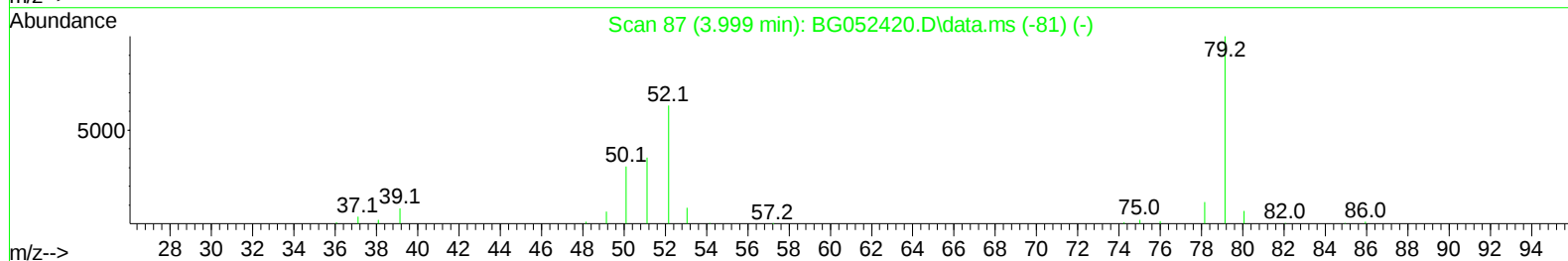
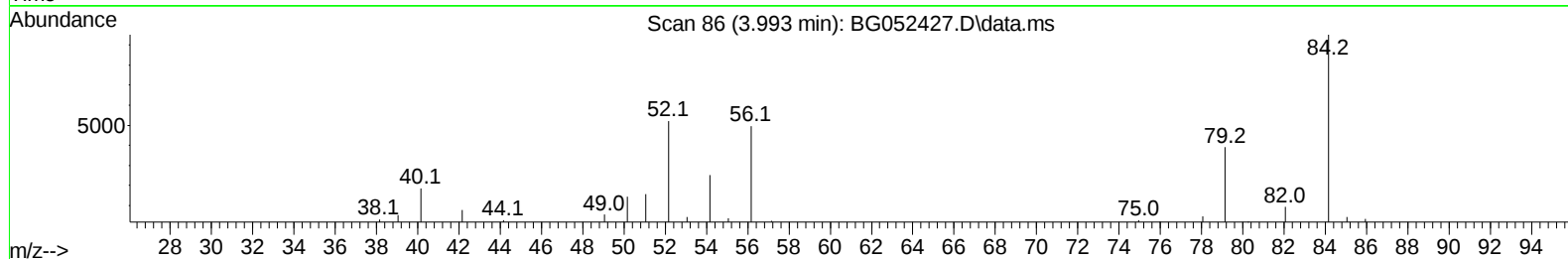
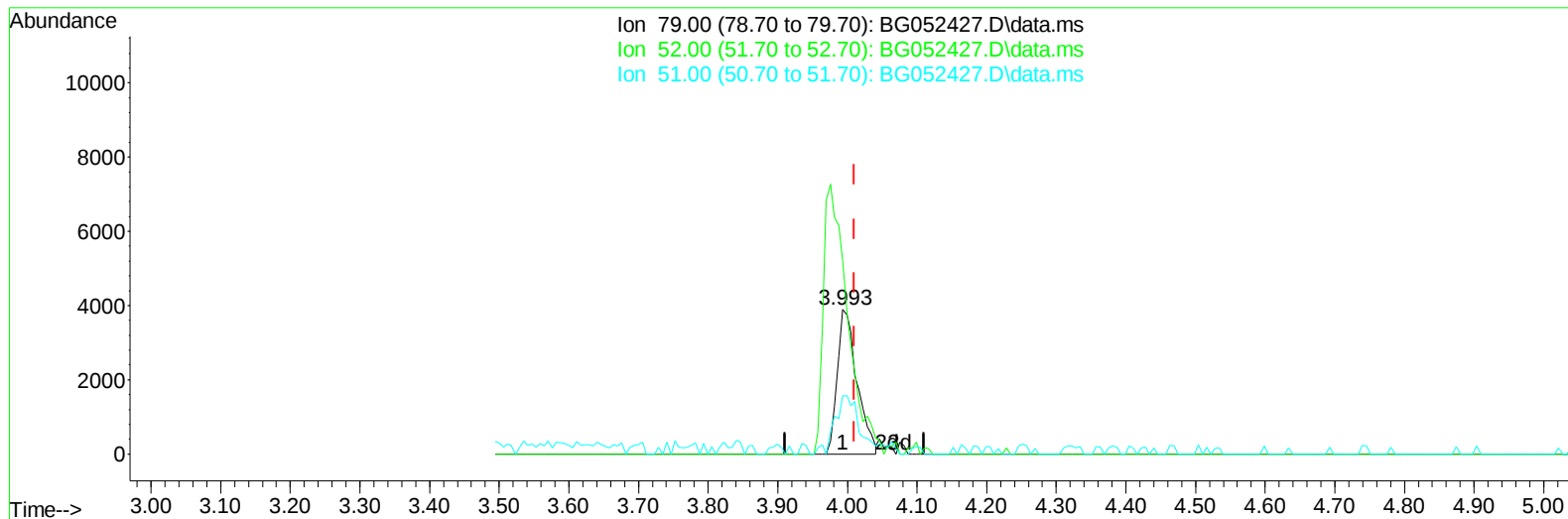
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG021822\  
Data File : BG052427.D  
Acq On : 18 Feb 2022 18:11  
Operator : CG/JU  
Sample : N1331-01  
Misc : SFAM-WATER-MDL01-4PPM  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-QT1-2022-01

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 02/21/2022  
Supervised By :Yogesh Patel 02/22/2022

Quant Time: Feb 18 23:05:25 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG013122.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jan 31 18:07:10 2022  
Response via : Initial Calibration



TIC: BG052427.D\data.ms

## (5) Pyridine

3.993min (-0.017) 4.06 ng/u1

response 7658

| Ion   | Exp%   | Act%    |
|-------|--------|---------|
| 79.00 | 100.00 | 100.00  |
| 52.00 | 76.00  | 133.71# |
| 51.00 | 38.10  | 40.15   |
| 0.00  | 0.00   | 0.00    |

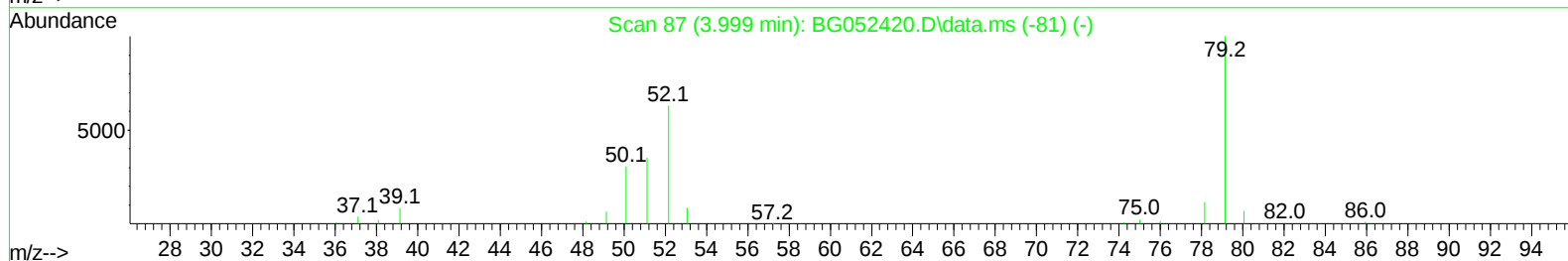
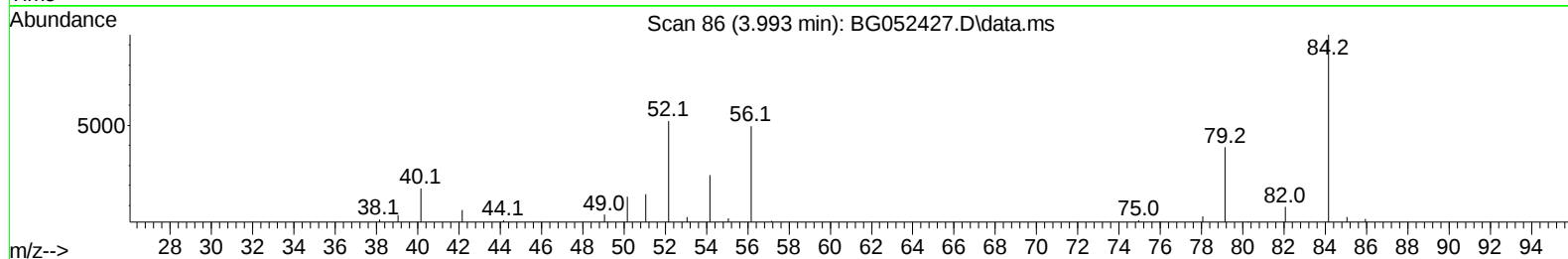
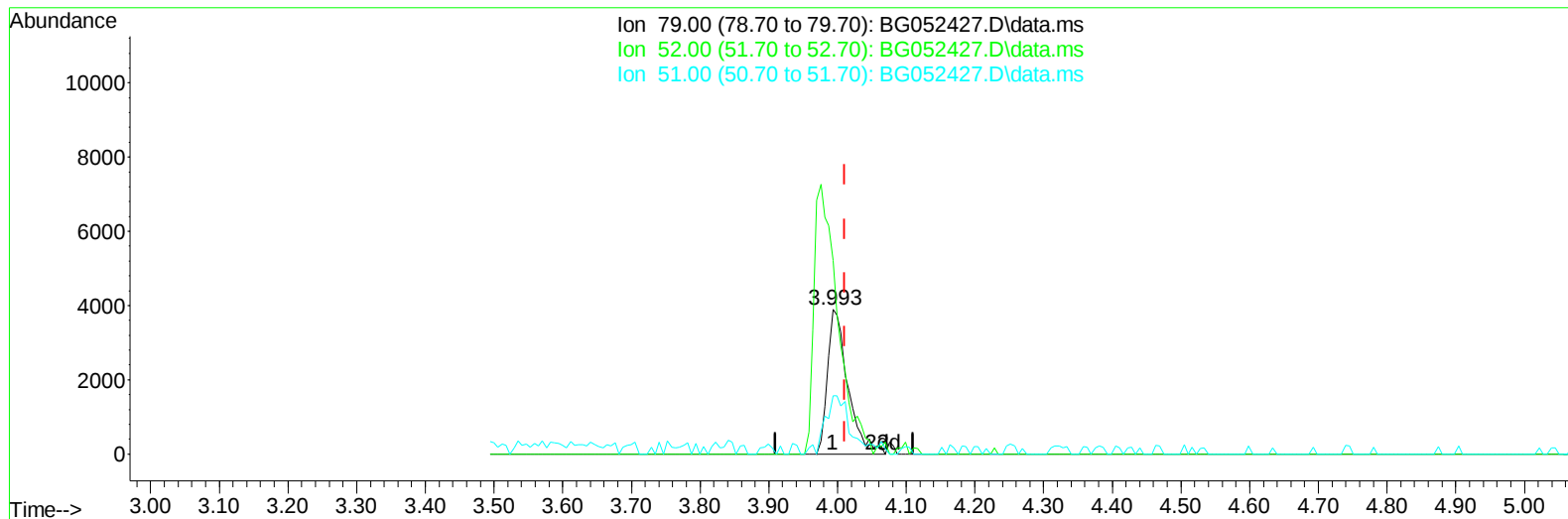
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG021822\  
 Data File : BG052427.D  
 Acq On : 18 Feb 2022 18:11  
 Operator : CG/JU  
 Sample : N1331-01  
 Misc : SFAM-WATER-MDL01-4PPM  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-WATER-QT1-2022-01

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 02/21/2022  
 Supervised By :Yogesh Patel 02/22/2022

Quant Time: Feb 18 23:05:25 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG013122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jan 31 18:07:10 2022  
 Response via : Initial Calibration



TIC: BG052427.D\data.ms

## (5) Pyridine

3.993min (-0.017) 4.24 ng/ul m

response 7998

| Ion   | Exp%   | Act%    |
|-------|--------|---------|
| 79.00 | 100.00 | 100.00  |
| 52.00 | 76.00  | 133.71# |
| 51.00 | 38.10  | 40.15   |
| 0.00  | 0.00   | 0.00    |

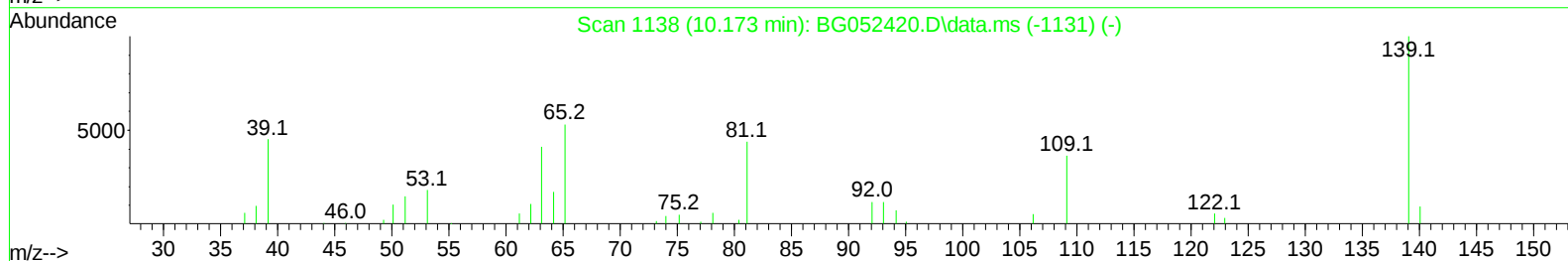
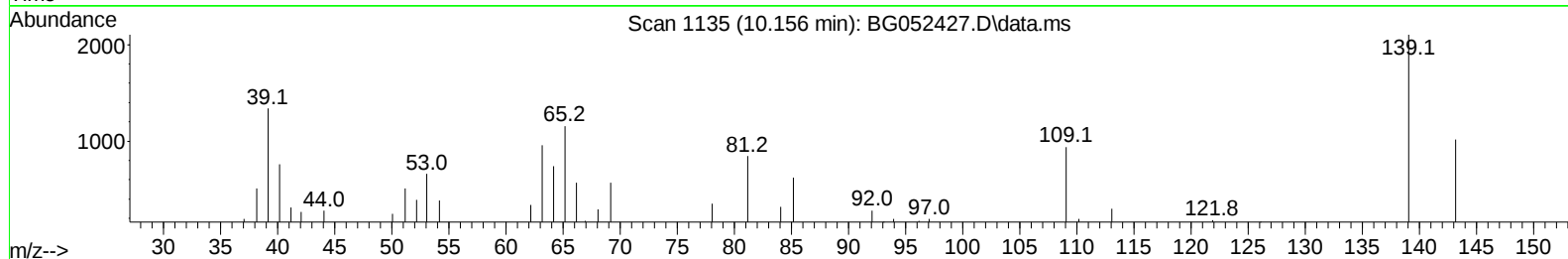
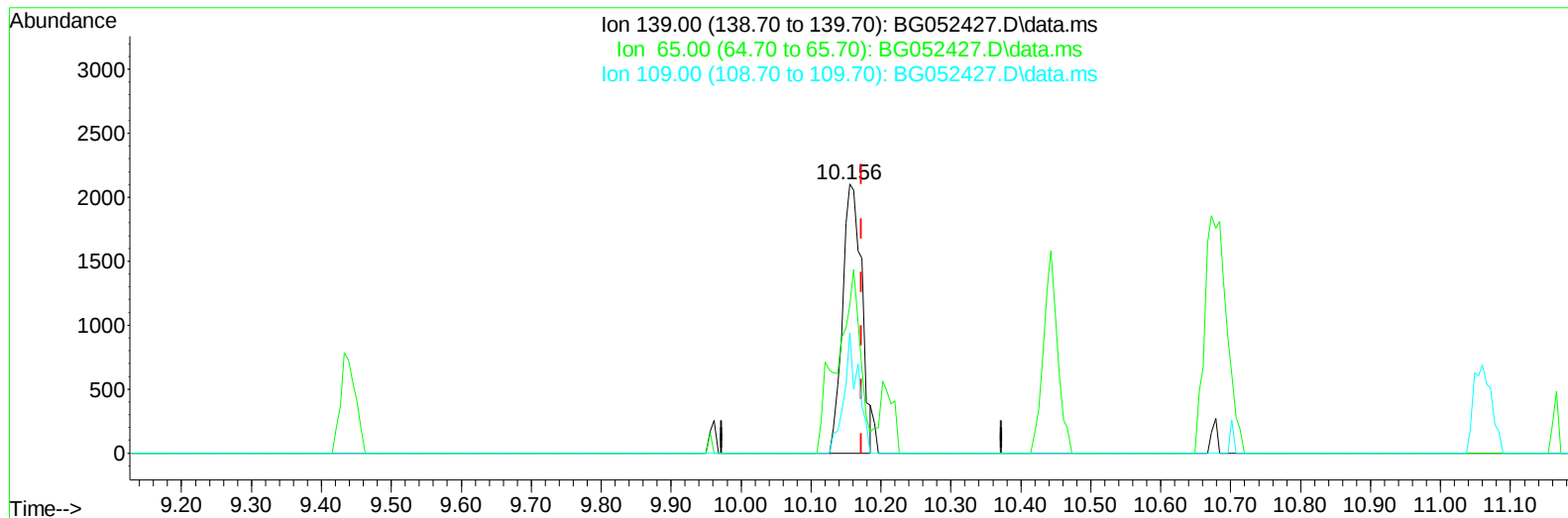
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG021822\  
 Data File : BG052427.D  
 Acq On : 18 Feb 2022 18:11  
 Operator : CG/JU  
 Sample : N1331-01  
 Misc : SFAM-WATER-MDL01-4PPM  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-WATER-QT1-2022-01

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 02/21/2022  
 Supervised By :Yogesh Patel 02/22/2022

Quant Time: Feb 18 23:05:25 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG013122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jan 31 18:07:10 2022  
 Response via : Initial Calibration



TIC: BG052427.D\data.ms

## (25) 2-Nitrophenol (C)

10.156min (-0.017) 4.13 ng/ul

response 4040

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 139.00 | 100.00 | 100.00 |
| 65.00  | 60.00  | 55.04  |
| 109.00 | 35.70  | 44.67# |
| 0.00   | 0.00   | 0.00   |

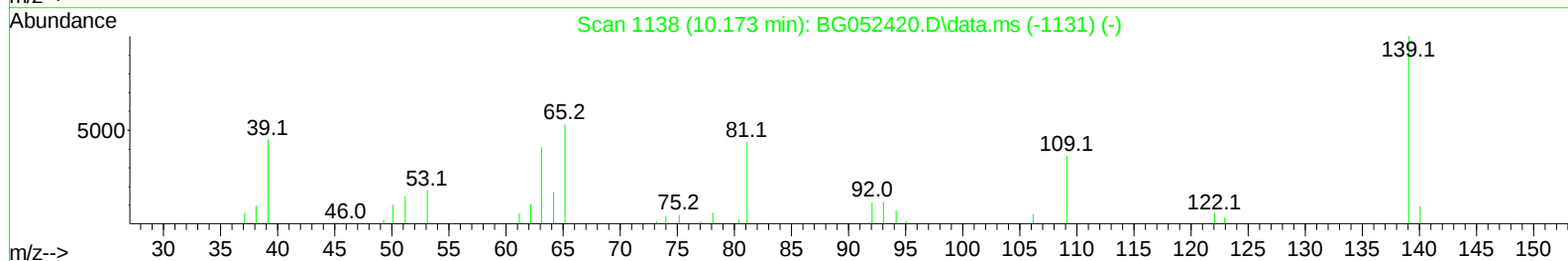
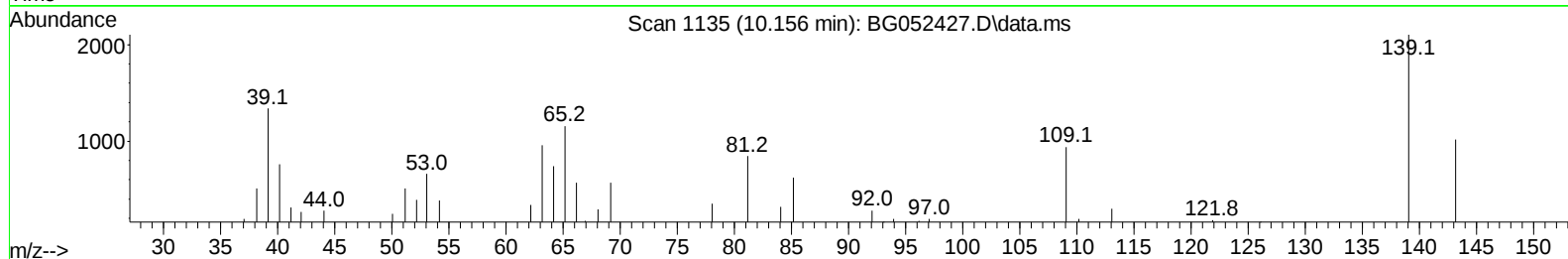
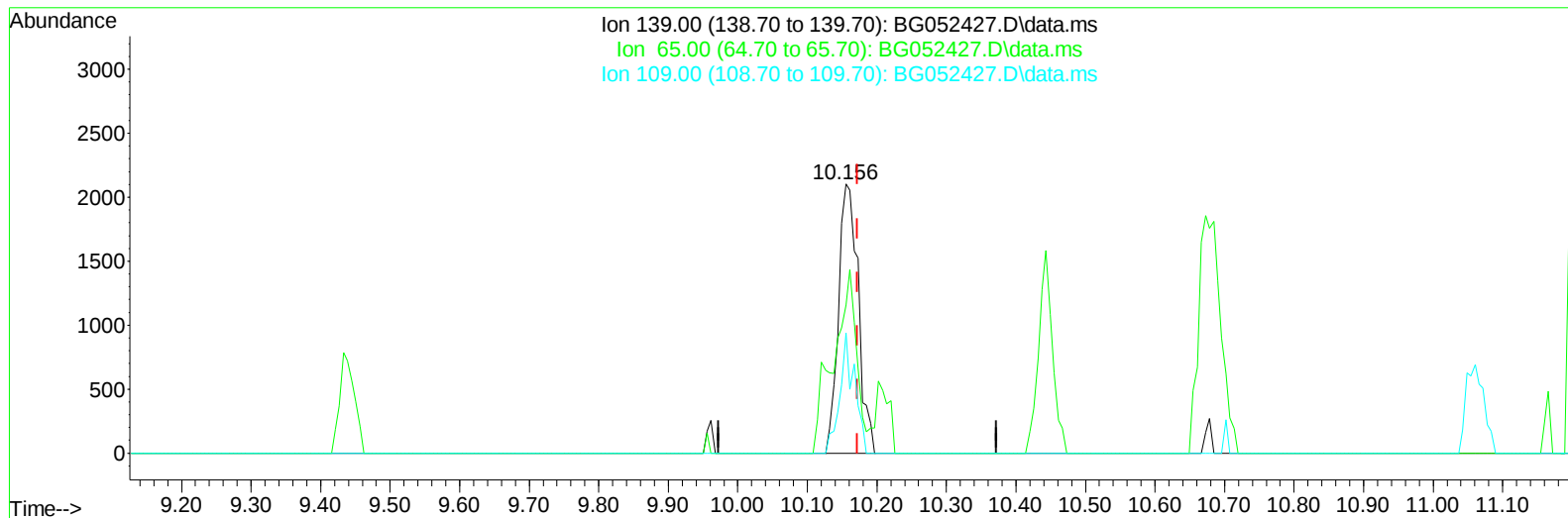
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG021822\  
Data File : BG052427.D  
Acq On : 18 Feb 2022 18:11  
Operator : CG/JU  
Sample : N1331-01  
Misc : SFAM-WATER-MDL01-4PPM  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-QT1-2022-01

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 02/21/2022  
Supervised By :Yogesh Patel 02/22/2022

Quant Time: Feb 18 23:05:25 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG013122.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jan 31 18:07:10 2022  
Response via : Initial Calibration



TIC: BG052427.D\data.ms

## (25) 2-Nitrophenol (C)

10.156min (-0.017) 4.22 ng/ul m

response 4122

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 139.00 | 100.00 | 100.00 |
| 65.00  | 60.00  | 55.04  |
| 109.00 | 35.70  | 44.67# |
| 0.00   | 0.00   | 0.00   |

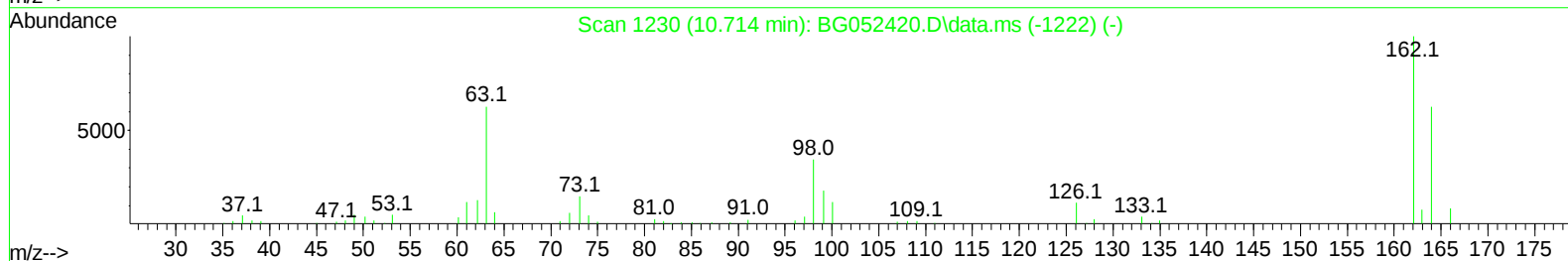
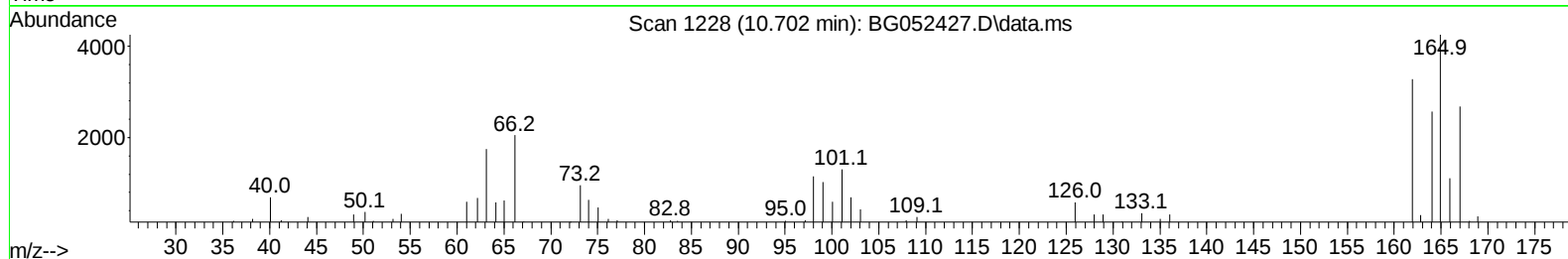
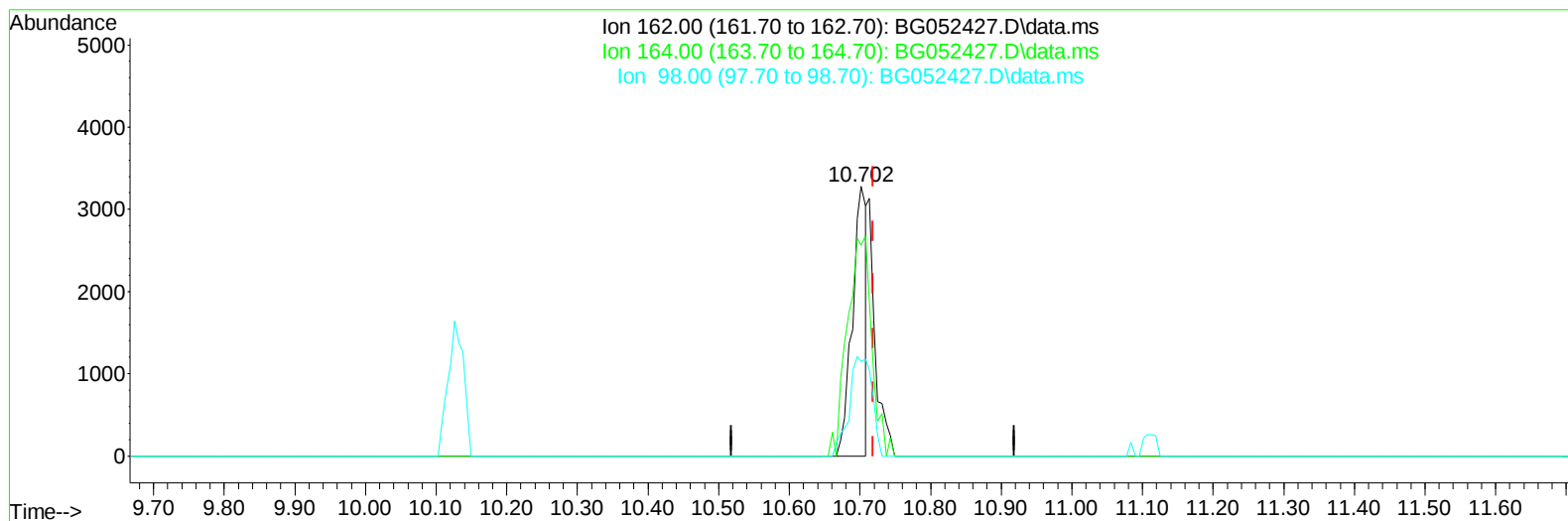
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG021822\  
Data File : BG052427.D  
Acq On : 18 Feb 2022 18:11  
Operator : CG/JU  
Sample : N1331-01  
Misc : SFAM-WATER-MDL01-4PPM  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-QT1-2022-01

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 02/21/2022  
Supervised By :Yogesh Patel 02/22/2022

Quant Time: Feb 18 23:05:25 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG013122.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jan 31 18:07:10 2022  
Response via : Initial Calibration



TIC: BG052427.D\data.ms

## (29) 2,4-Dichlorophenol (C)

10.702min (-0.017) 2.67 ng/u1

response 4502

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 162.00 | 100.00 | 100.00 |
| 164.00 | 61.70  | 78.28# |
| 98.00  | 38.00  | 35.05  |
| 0.00   | 0.00   | 0.00   |

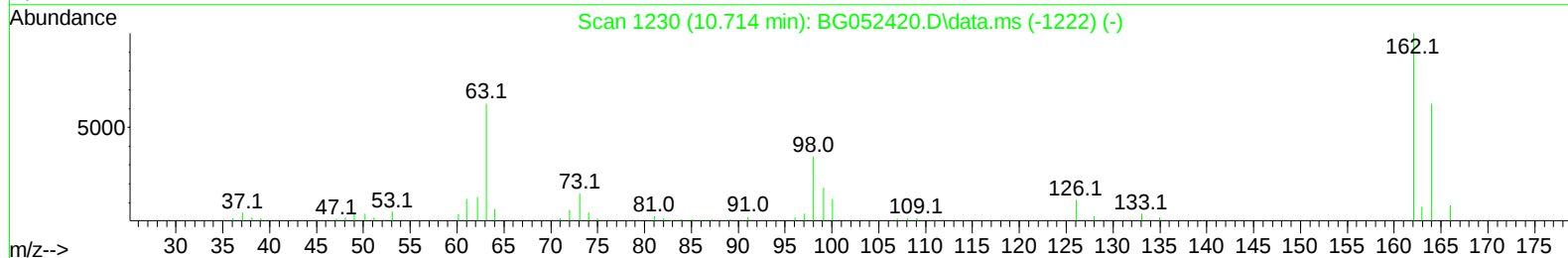
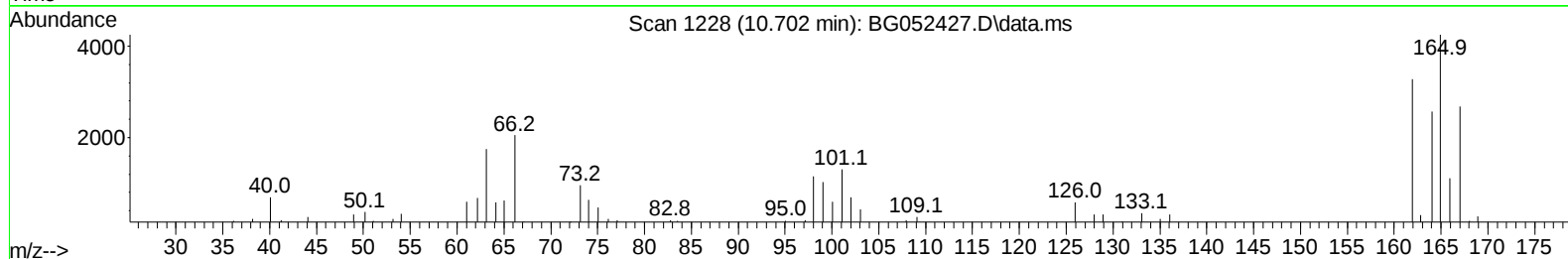
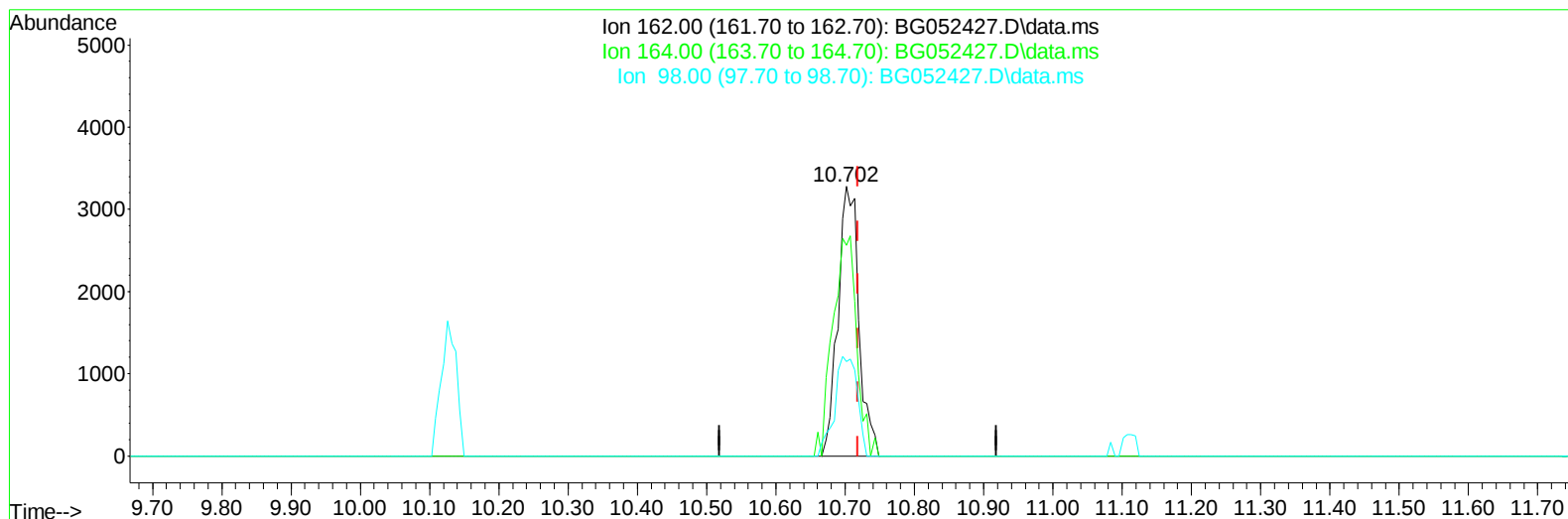
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG021822\  
Data File : BG052427.D  
Acq On : 18 Feb 2022 18:11  
Operator : CG/JU  
Sample : N1331-01  
Misc : SFAM-WATER-MDL01-4PPM  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-QT1-2022-01

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 02/21/2022  
Supervised By :Yogesh Patel 02/22/2022

Quant Time: Feb 18 23:05:25 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG013122.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jan 31 18:07:10 2022  
Response via : Initial Calibration



TIC: BG052427.D\data.ms

## (29) 2,4-Dichlorophenol (C)

10.702min (-0.017) 4.08 ng/ul m

response 6873

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 162.00 | 100.00 | 100.00 |
| 164.00 | 61.70  | 78.28# |
| 98.00  | 38.00  | 35.05  |
| 0.00   | 0.00   | 0.00   |

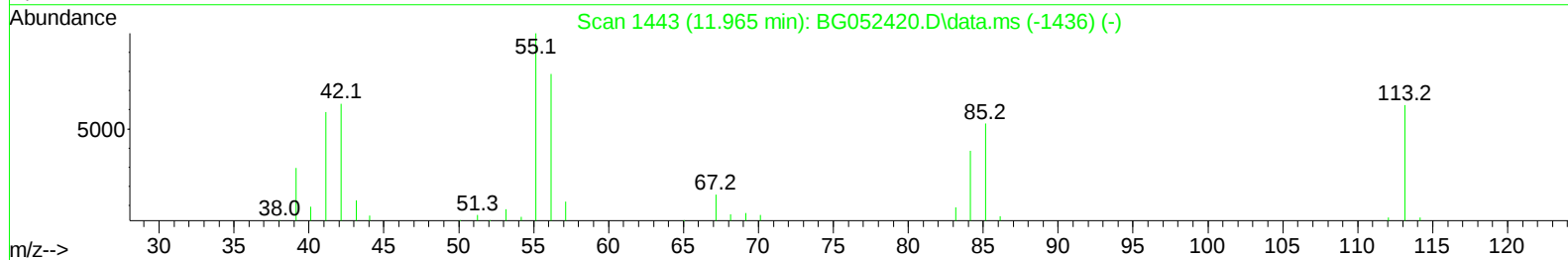
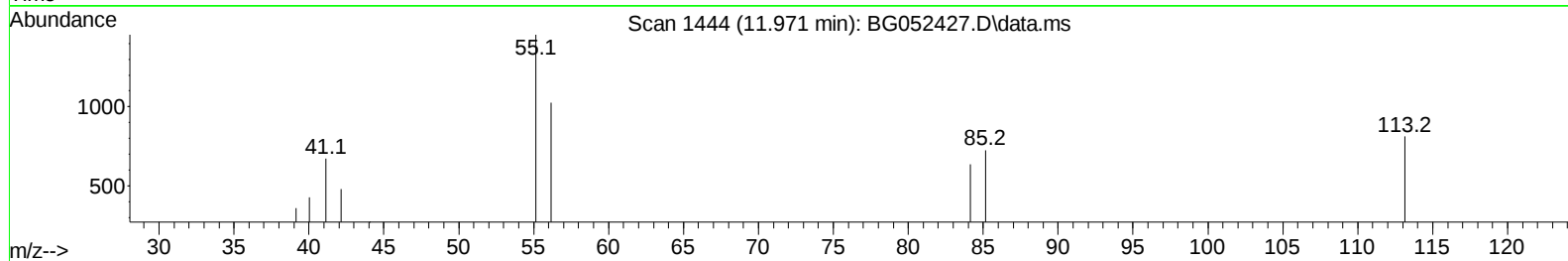
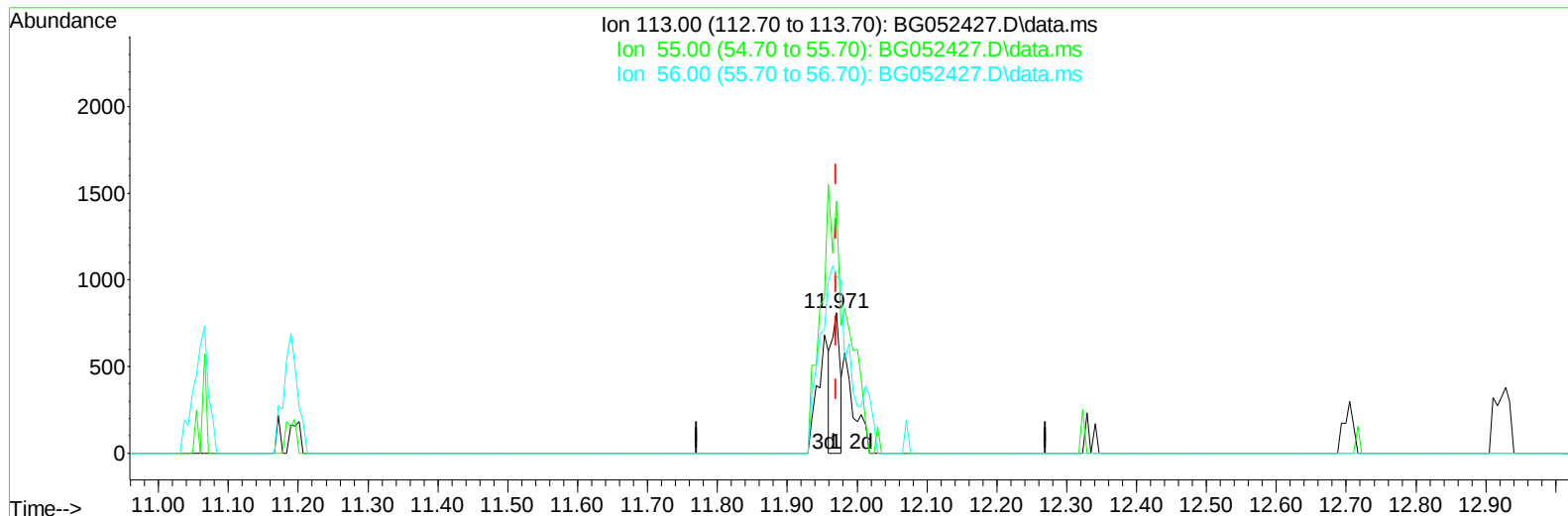
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG021822\  
 Data File : BG052427.D  
 Acq On : 18 Feb 2022 18:11  
 Operator : CG/JU  
 Sample : N1331-01  
 Misc : SFAM-WATER-MDL01-4PPM  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-WATER-QT1-2022-01

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 02/21/2022  
 Supervised By :Yogesh Patel 02/22/2022

Quant Time: Feb 18 23:05:25 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG013122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jan 31 18:07:10 2022  
 Response via : Initial Calibration



TIC: BG052427.D\data.ms

## (34) Caprolactam

11.971min (+ 0.001) 1.23 ng/ul

response 673

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 183.80 | 179.41 |
| 56.00  | 136.50 | 126.26 |
| 0.00   | 0.00   | 0.00   |

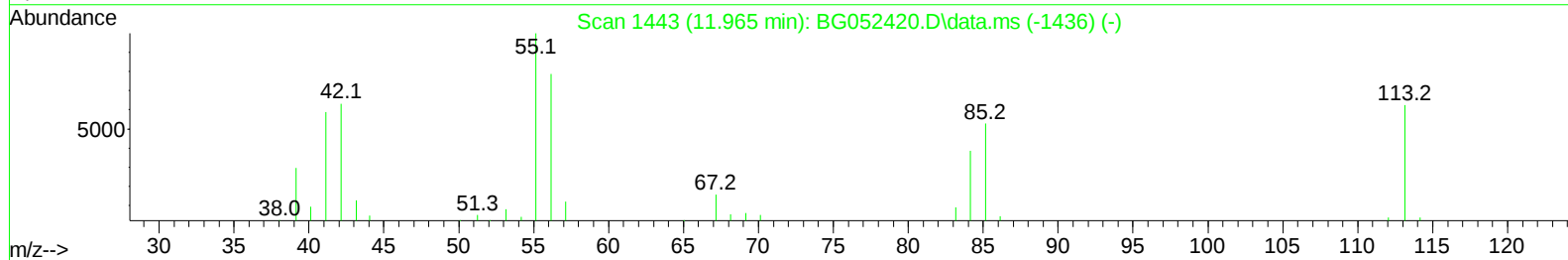
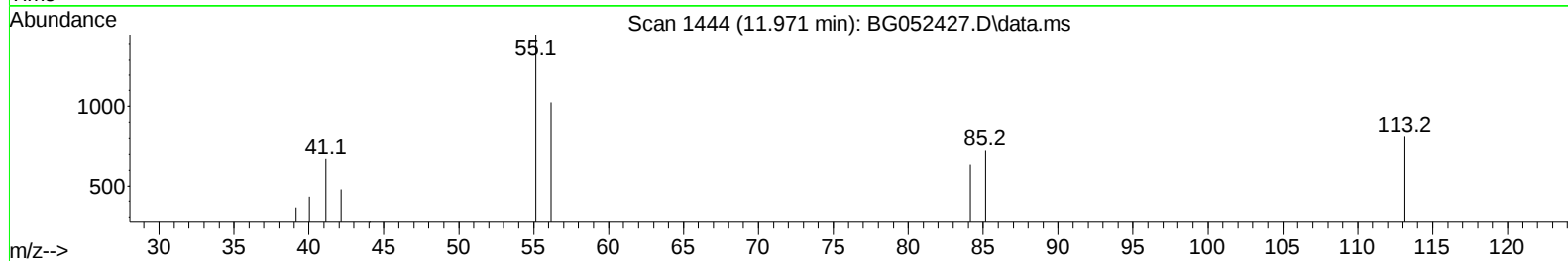
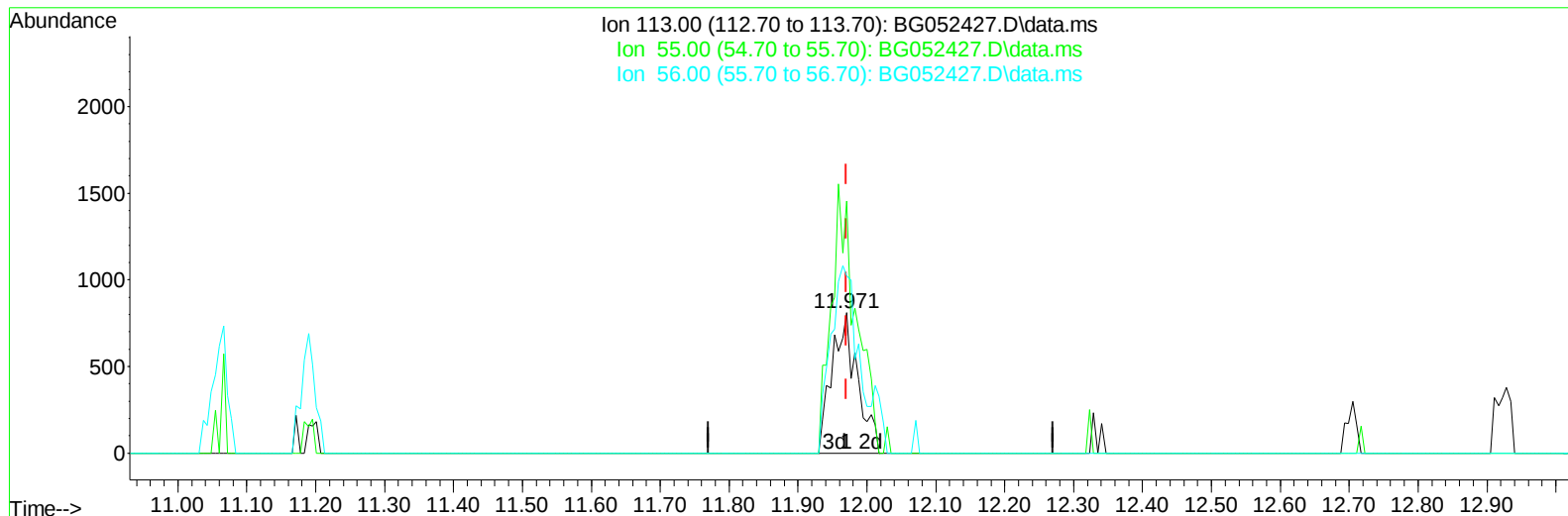
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 Data File : BG052427.D  
 Acq On : 18 Feb 2022 18:11  
 Operator : CG/JU  
 Sample : N1331-01  
 Misc : SFAM-WATER-MDL01-4PPM  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-WATER-QT1-2022-01

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 02/21/2022  
 Supervised By :Yogesh Patel 02/22/2022

Quant Time: Feb 18 23:05:25 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG013122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jan 31 18:07:10 2022  
 Response via : Initial Calibration



TIC: BG052427.D\data.ms

## (34) Caprolactam

11.971min (+ 0.001) 3.81 ng/ul m

response 2083

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 183.80 | 179.41 |
| 56.00  | 136.50 | 126.26 |
| 0.00   | 0.00   | 0.00   |

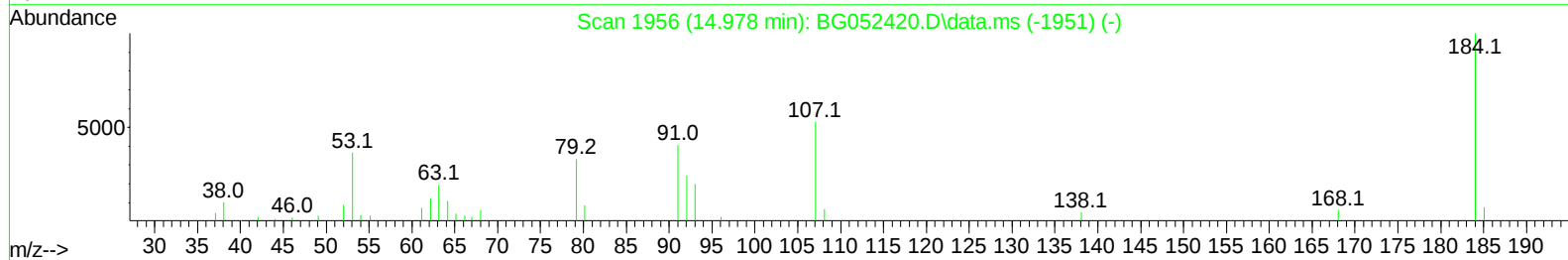
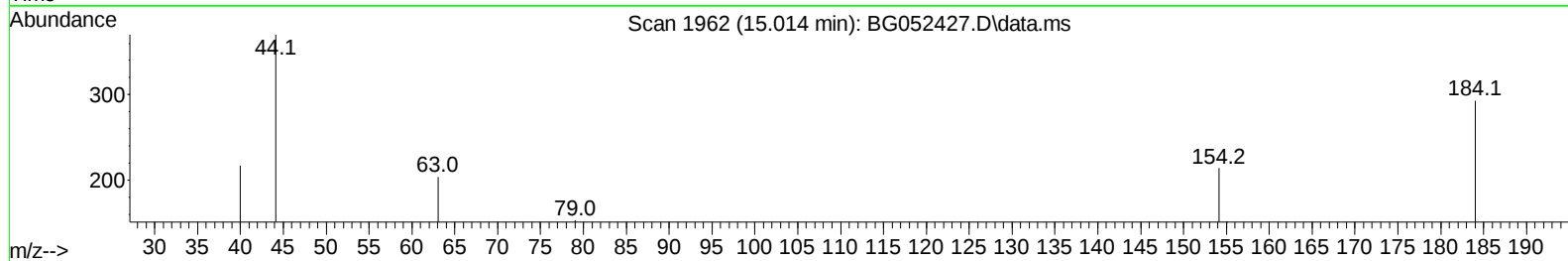
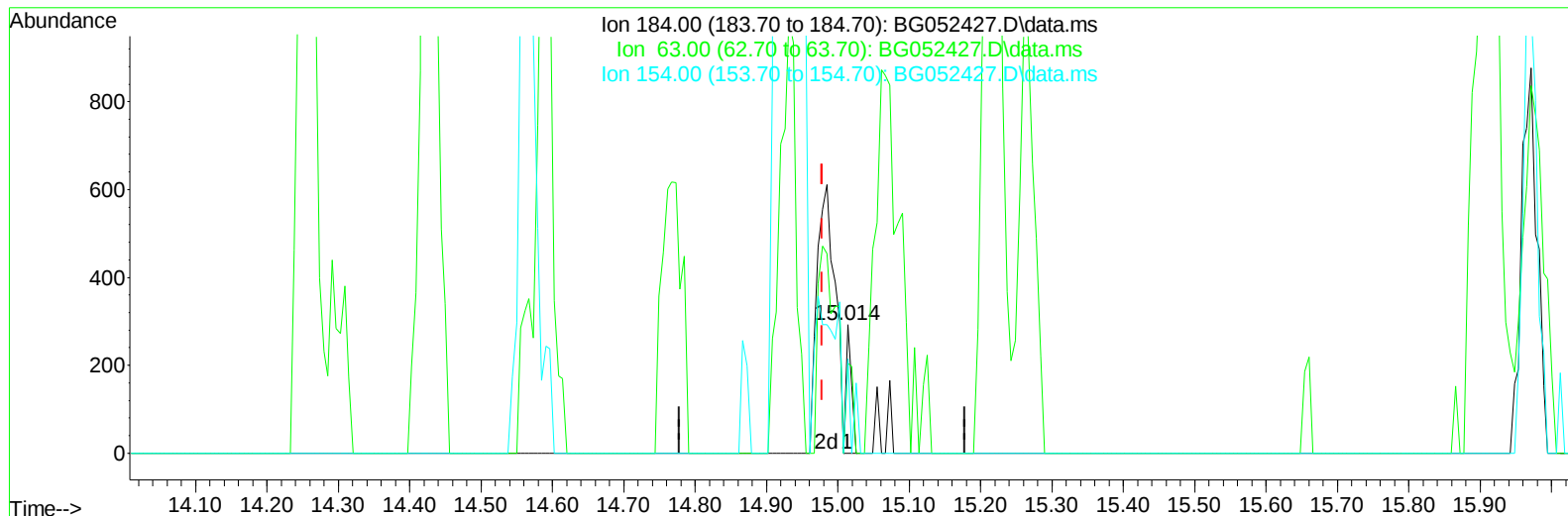
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG021822\  
Data File : BG052427.D  
Acq On : 18 Feb 2022 18:11  
Operator : CG/JU  
Sample : N1331-01  
Misc : SFAM-WATER-MDL01-4PPM  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-QT1-2022-01

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 02/21/2022  
Supervised By :Yogesh Patel 02/22/2022

Quant Time: Feb 18 23:05:25 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG013122.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jan 31 18:07:10 2022  
Response via : Initial Calibration



TIC: BG052427.D\data.ms

## (53) 2,4-Dinitrophenol

15.014min (+ 0.036) 0.25 ng/ul

response 157

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 184.00 | 100.00 | 100.00 |
| 63.00  | 82.70  | 69.62  |
| 154.00 | 67.00  | 73.04  |
| 0.00   | 0.00   | 0.00   |

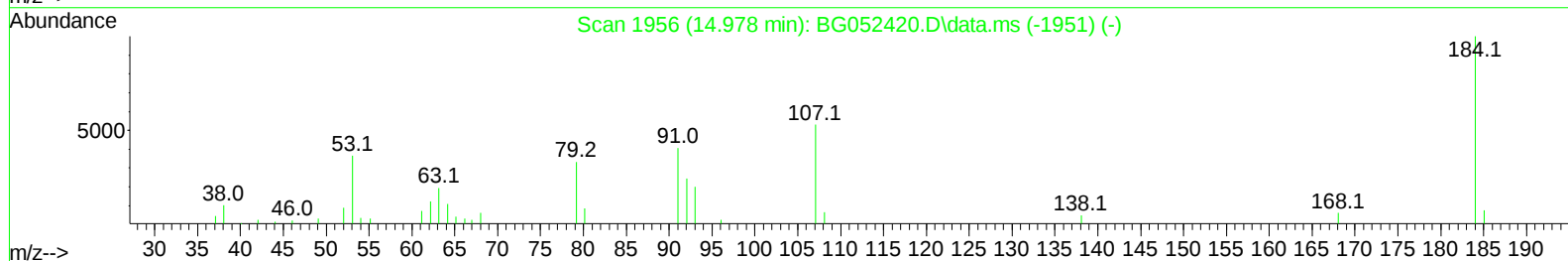
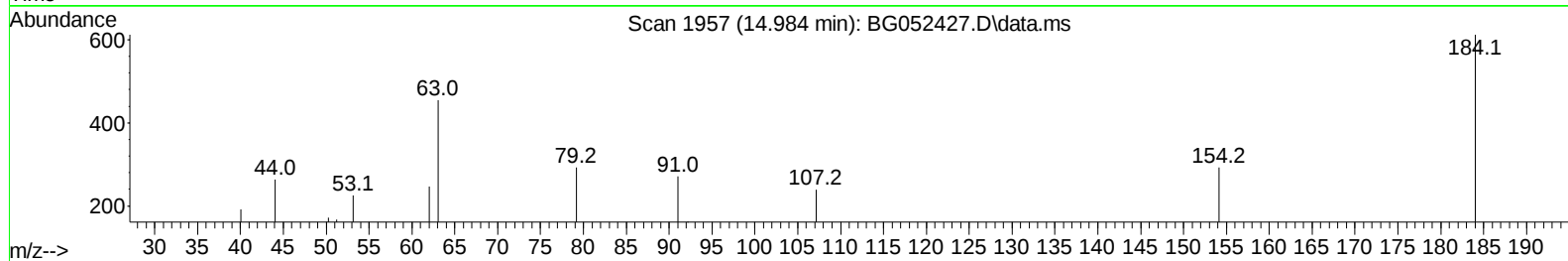
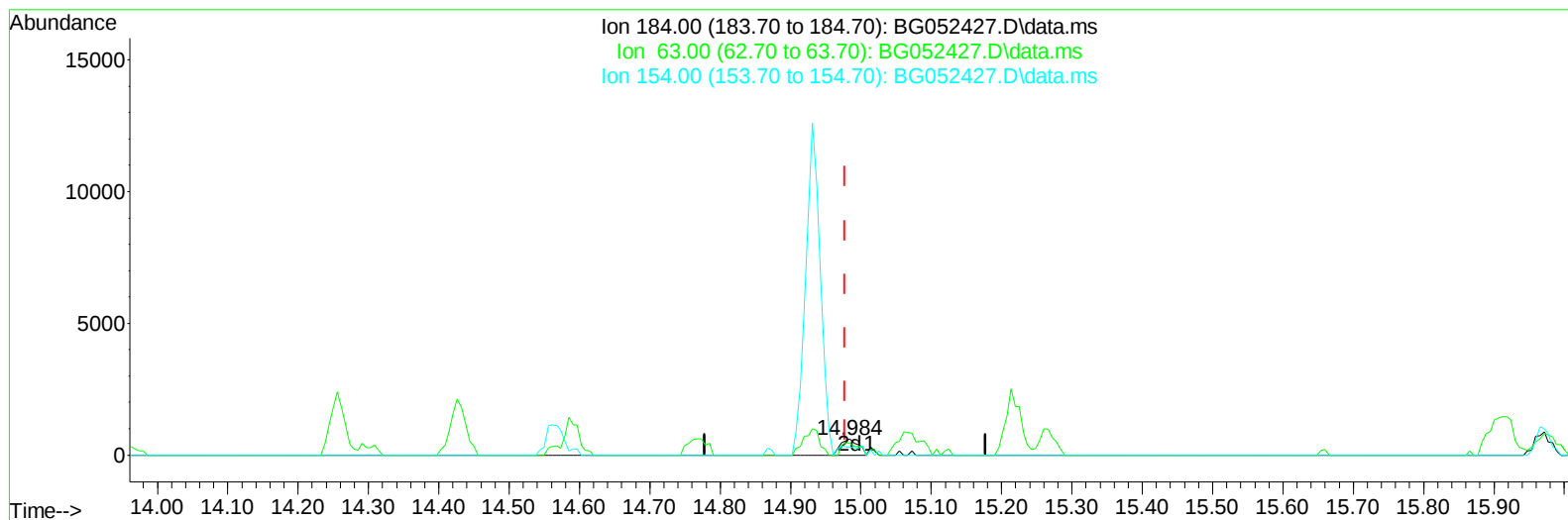
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG021822\  
Data File : BG052427.D  
Acq On : 18 Feb 2022 18:11  
Operator : CG/JU  
Sample : N1331-01  
Misc : SFAM-WATER-MDL01-4PPM  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-QT1-2022-01

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 02/21/2022  
Supervised By :Yogesh Patel 02/22/2022

Quant Time: Feb 18 23:05:25 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG013122.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jan 31 18:07:10 2022  
Response via : Initial Calibration



TIC: BG052427.D\data.ms

**(53) 2,4-Dinitrophenol**

14.984min (+ 0.006) 1.68 ng/ul m

response 1069

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 184.00 | 100.00 | 100.00 |
| 63.00  | 82.70  | 74.18  |
| 154.00 | 67.00  | 47.71# |
| 0.00   | 0.00   | 0.00   |

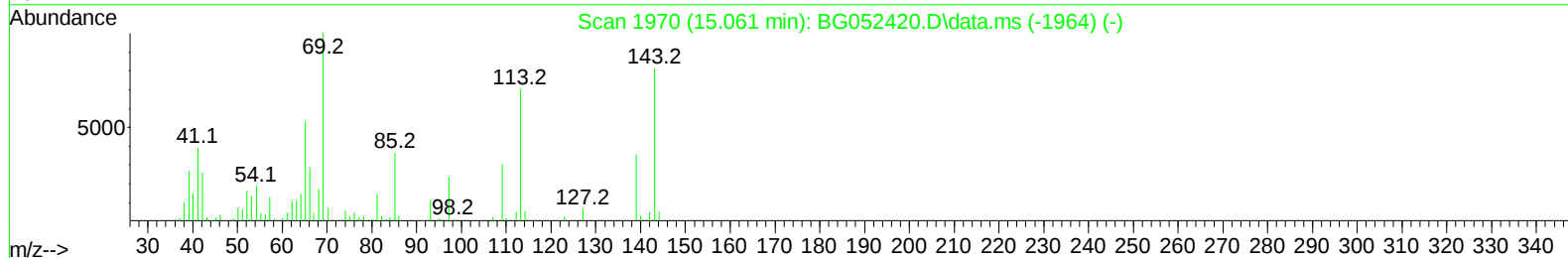
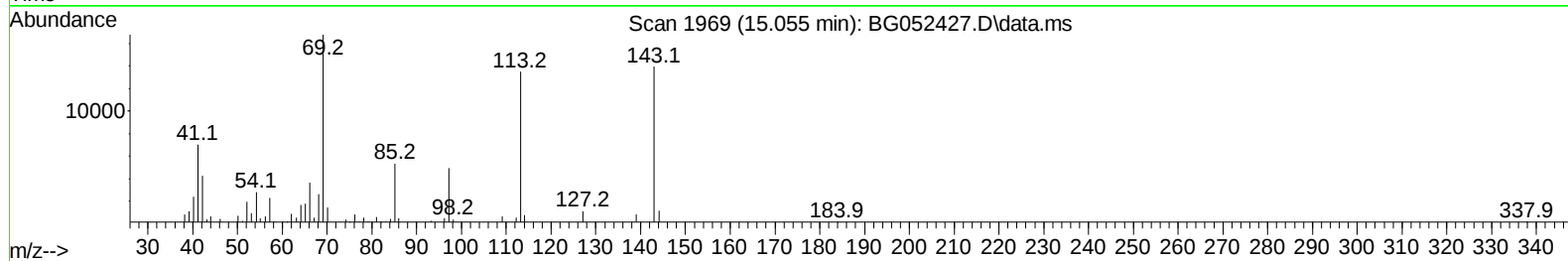
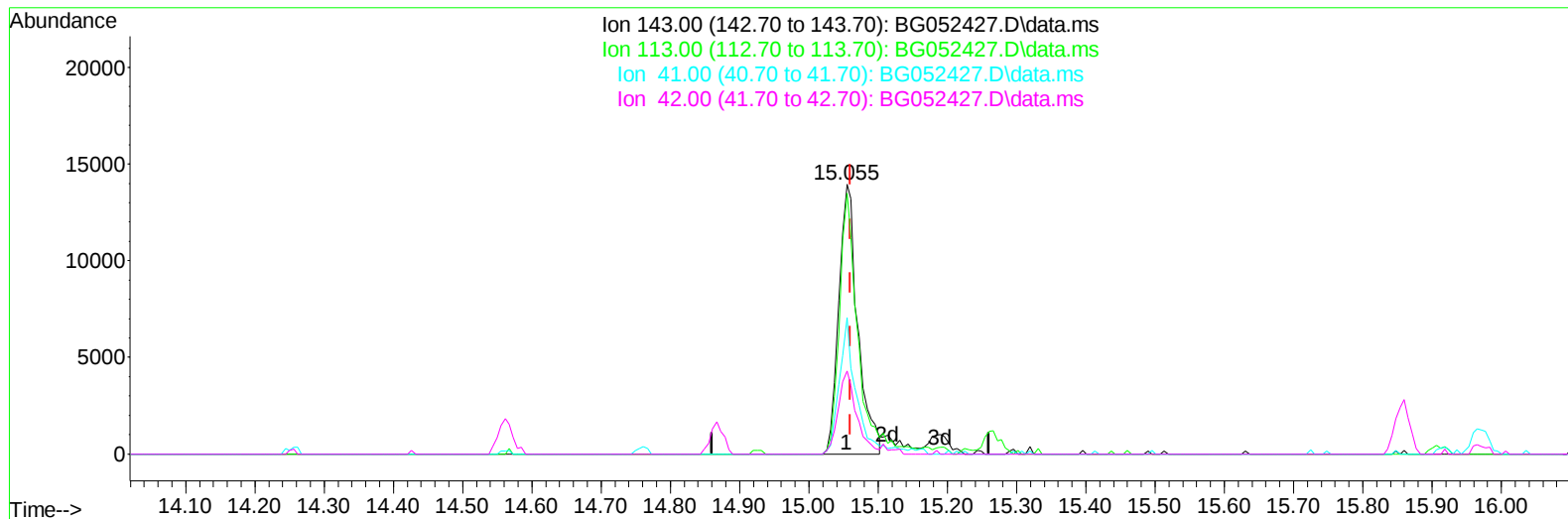
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG021822\  
Data File : BG052427.D  
Acq On : 18 Feb 2022 18:11  
Operator : CG/JU  
Sample : N1331-01  
Misc : SFAM-WATER-MDL01-4PPM  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-QT1-2022-01

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 02/21/2022  
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Quant Time: Feb 18 23:05:25 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG013122.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jan 31 18:07:10 2022  
Response via : Initial Calibration



TIC: BG052427.D\data.ms

**(54) 4-Nitrophenol-d4 (S)****15.055min (-0.005) 29.95 ng/u1****response 26546**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 80.30  | 96.83# |
| 41.00  | 44.40  | 50.60  |
| 42.00  | 29.70  | 30.77  |

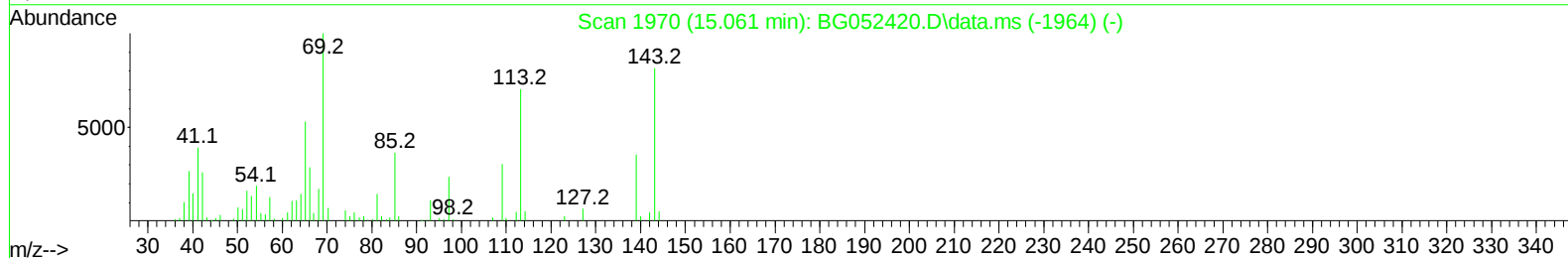
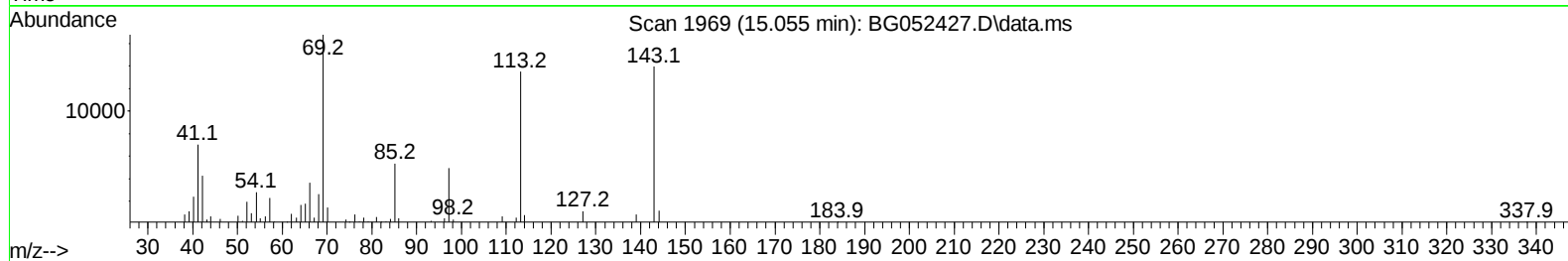
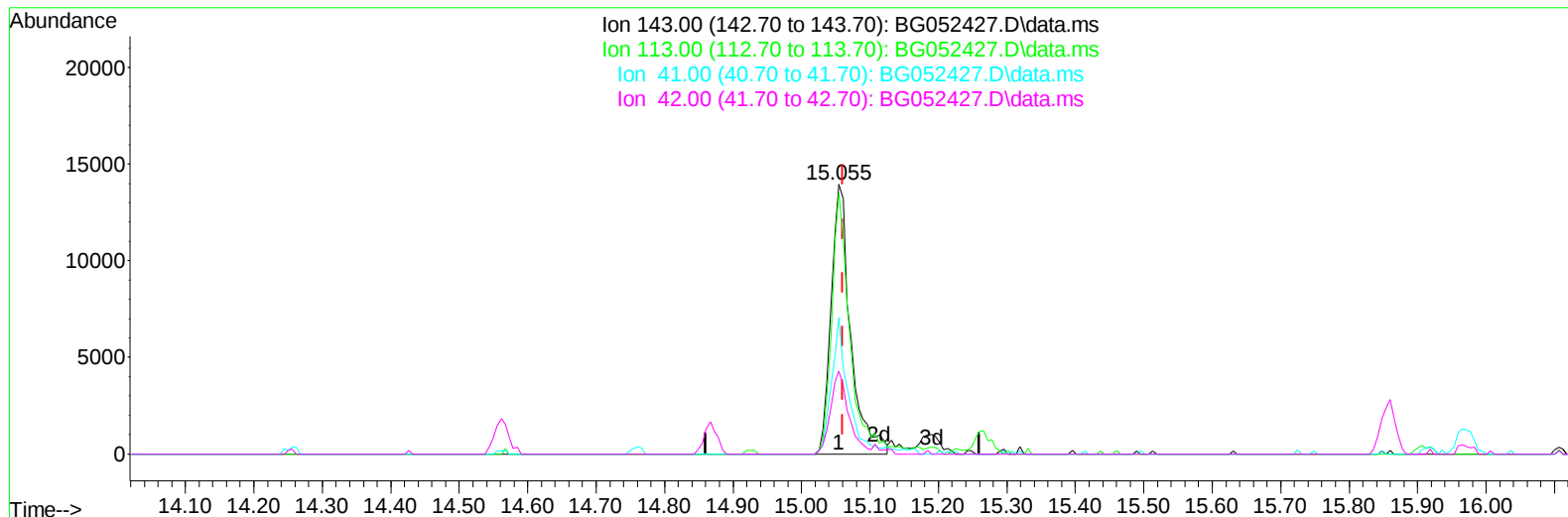
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG021822\  
Data File : BG052427.D  
Acq On : 18 Feb 2022 18:11  
Operator : CG/JU  
Sample : N1331-01  
Misc : SFAM-WATER-MDL01-4PPM  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-QT1-2022-01

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 02/21/2022  
Supervised By :Yogesh Patel 02/22/2022

Quant Time: Feb 18 23:05:25 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG013122.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jan 31 18:07:10 2022  
Response via : Initial Calibration



TIC: BG052427.D\data.ms

## (54) 4-Nitrophenol-d4 (S)

15.055min (-0.005) 31.16 ng/ul m

response 27624

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 80.30  | 96.83# |
| 41.00  | 44.40  | 50.60  |
| 42.00  | 29.70  | 30.77  |

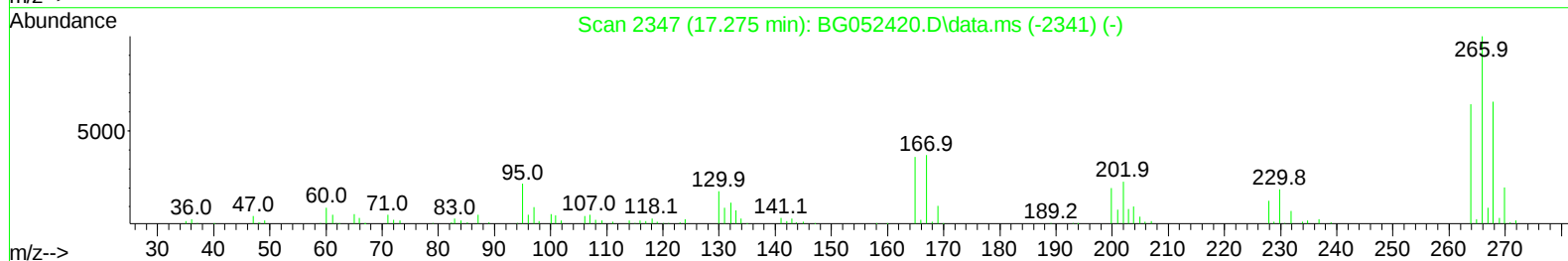
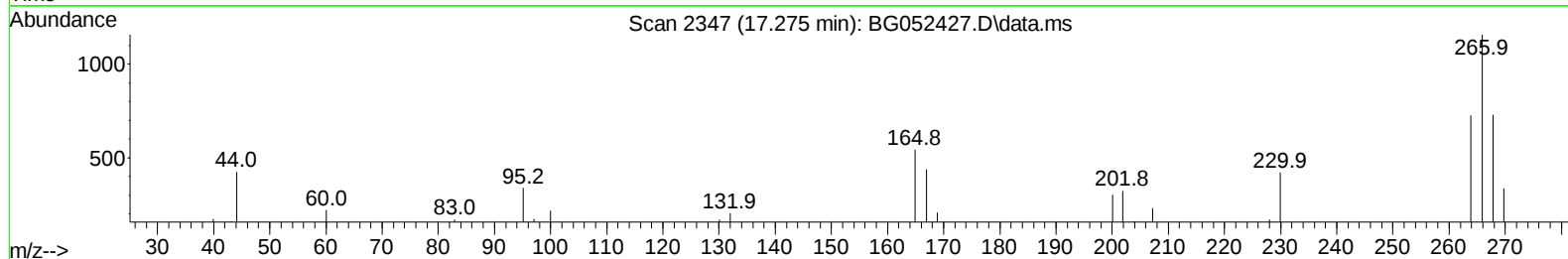
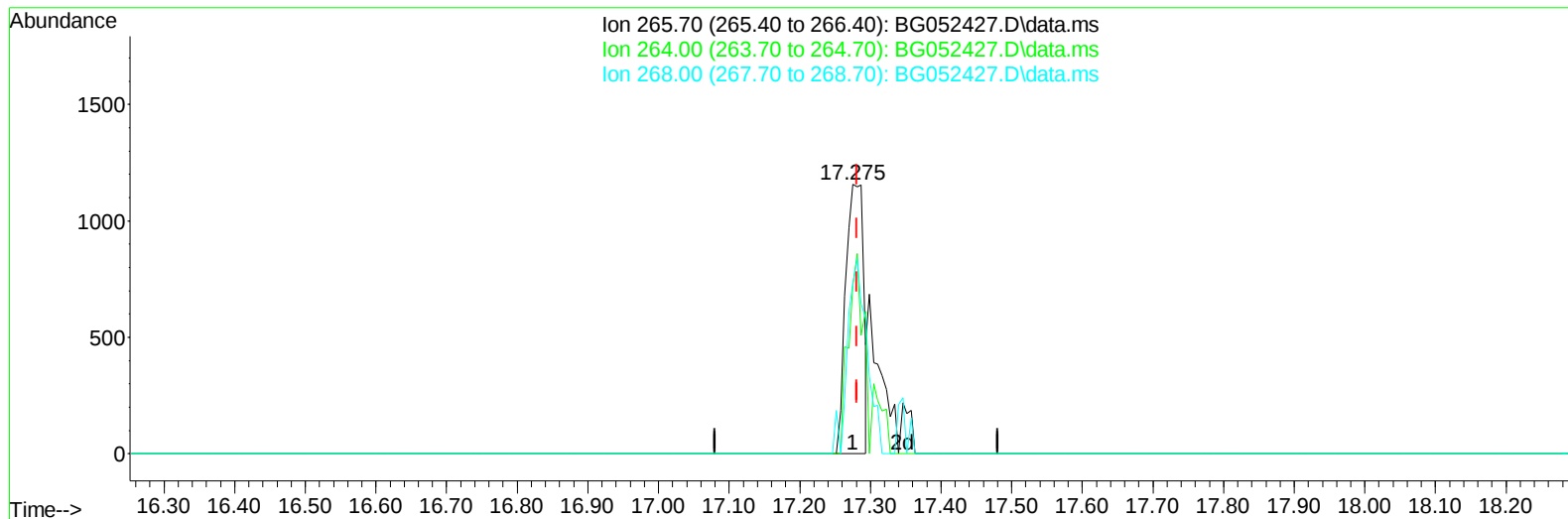
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Data File : BG052427.D  
Acq On : 18 Feb 2022 18:11  
Operator : CG/JU  
Sample : N1331-01  
Misc : SFAM-WATER-MDL01-4PPM  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-QT1-2022-01

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 02/21/2022  
Supervised By :Yogesh Patel 02/22/2022

Quant Time: Feb 18 23:05:25 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG013122.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jan 31 18:07:10 2022  
Response via : Initial Calibration



TIC: BG052427.D\data.ms

## (71) Pentachlorophenol (C)

17.275min (-0.005) 1.63 ng/u1

response 2032

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 264.00 | 67.90  | 62.66  |
| 268.00 | 63.80  | 63.18  |
| 0.00   | 0.00   | 0.00   |

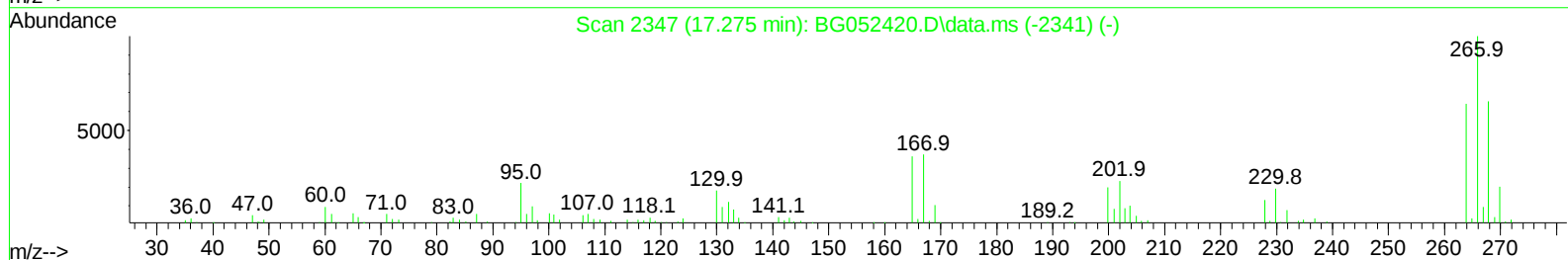
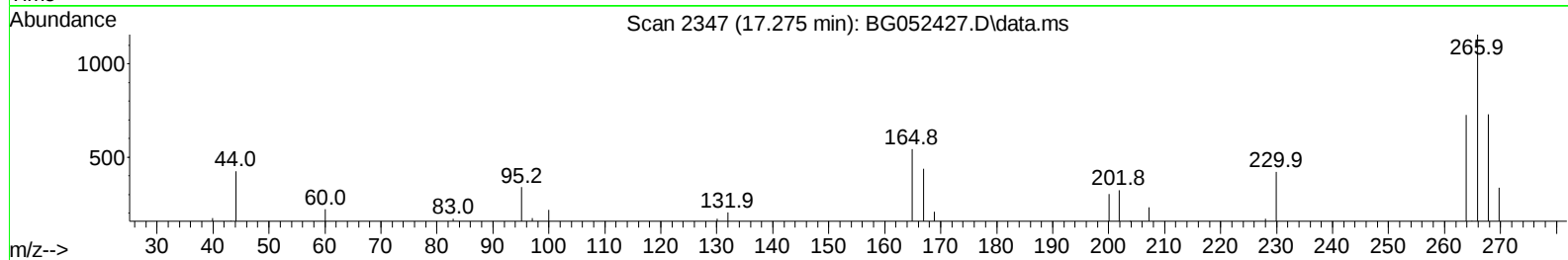
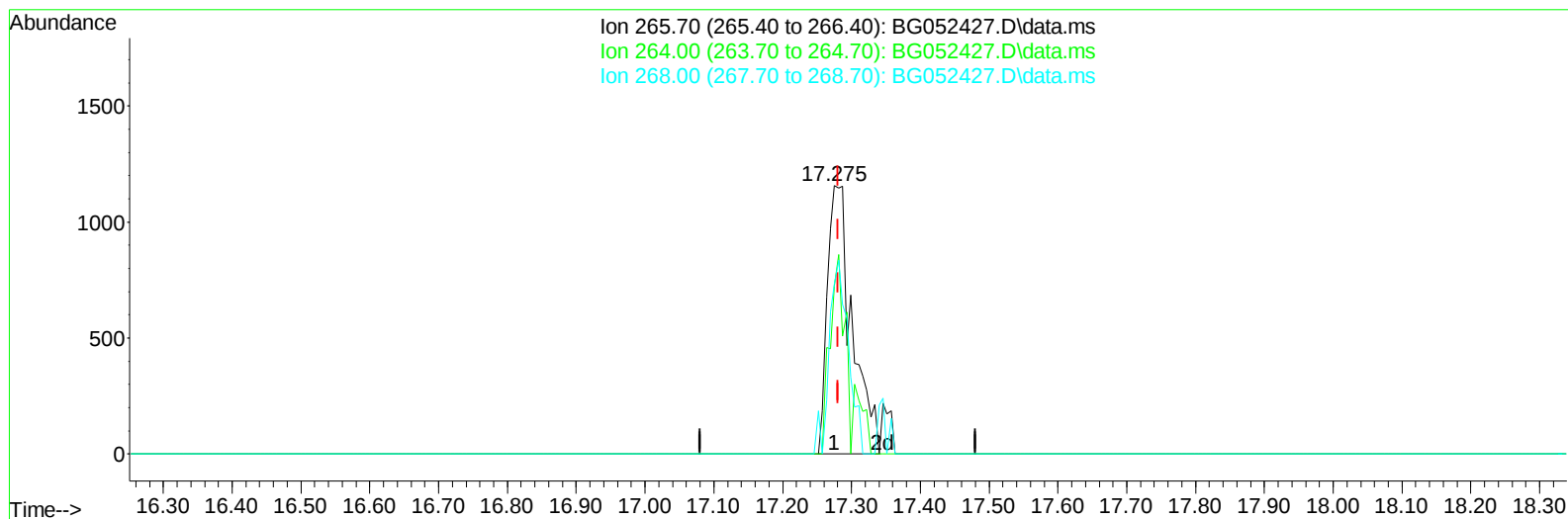
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Data File : BG052427.D  
Acq On : 18 Feb 2022 18:11  
Operator : CG/JU  
Sample : N1331-01  
Misc : SFAM-WATER-MDL01-4PPM  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-QT1-2022-01

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 02/21/2022  
Supervised By :Yogesh Patel 02/22/2022

Quant Time: Feb 18 23:05:25 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG013122.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jan 31 18:07:10 2022  
Response via : Initial Calibration



TIC: BG052427.D\data.ms

## (71) Pentachlorophenol (C)

17.275min (-0.005) 2.33 ng/ul m

response 2896

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 264.00 | 67.90  | 62.66  |
| 268.00 | 63.80  | 63.18  |
| 0.00   | 0.00   | 0.00   |

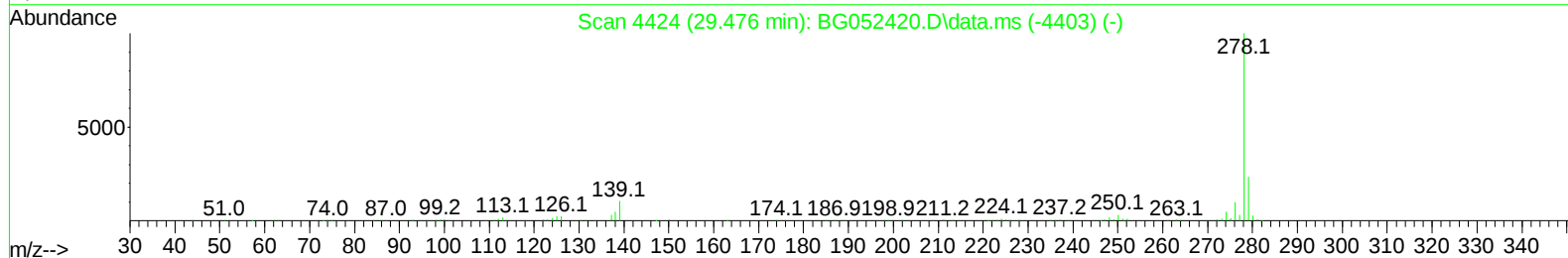
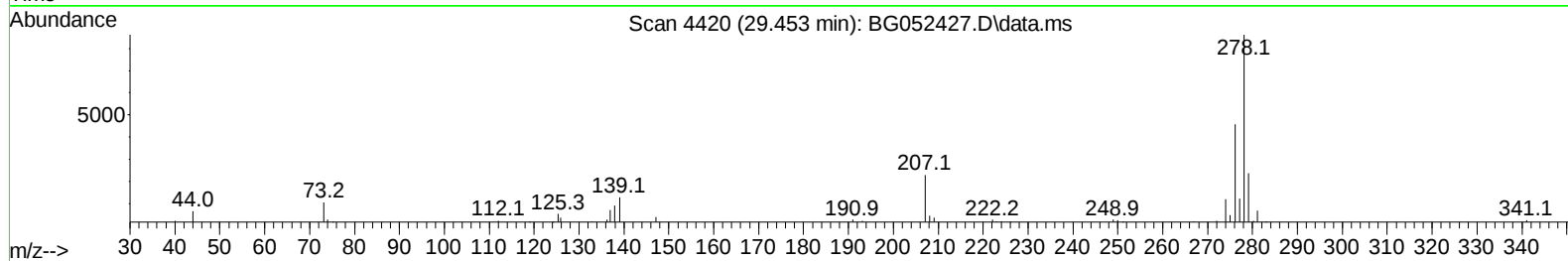
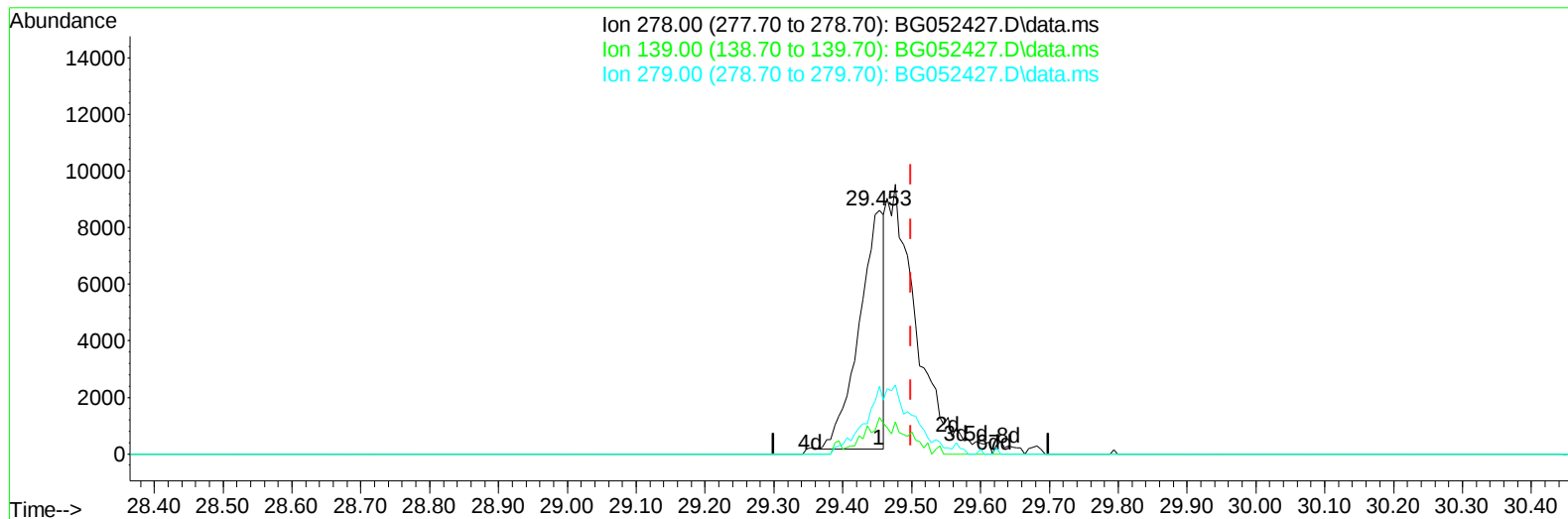
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG021822\  
Data File : BG052427.D  
Acq On : 18 Feb 2022 18:11  
Operator : CG/JU  
Sample : N1331-01  
Misc : SFAM-WATER-MDL01-4PPM  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-QT1-2022-01

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 02/21/2022  
Supervised By :Yogesh Patel 02/22/2022

Quant Time: Feb 18 23:05:25 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG013122.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jan 31 18:07:10 2022  
Response via : Initial Calibration



TIC: BG052427.D\data.ms

**(95) Dibenzo(a,h)anthracene**

29.453min (-0.046) 1.73 ng/u1

response 21191

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 15.30  | 15.00  |
| 279.00 | 24.40  | 27.67  |
| 0.00   | 0.00   | 0.00   |

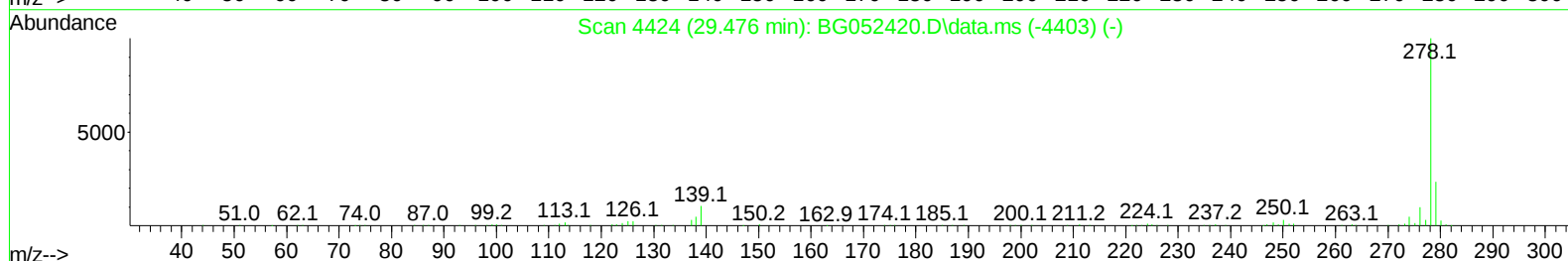
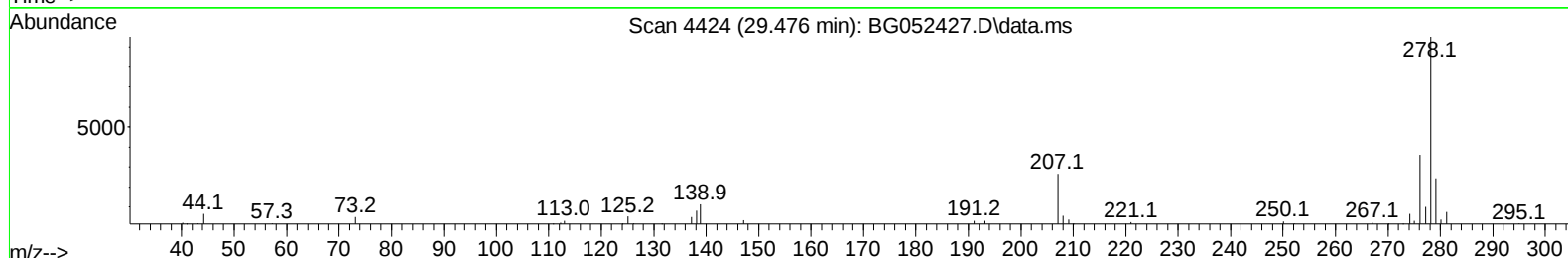
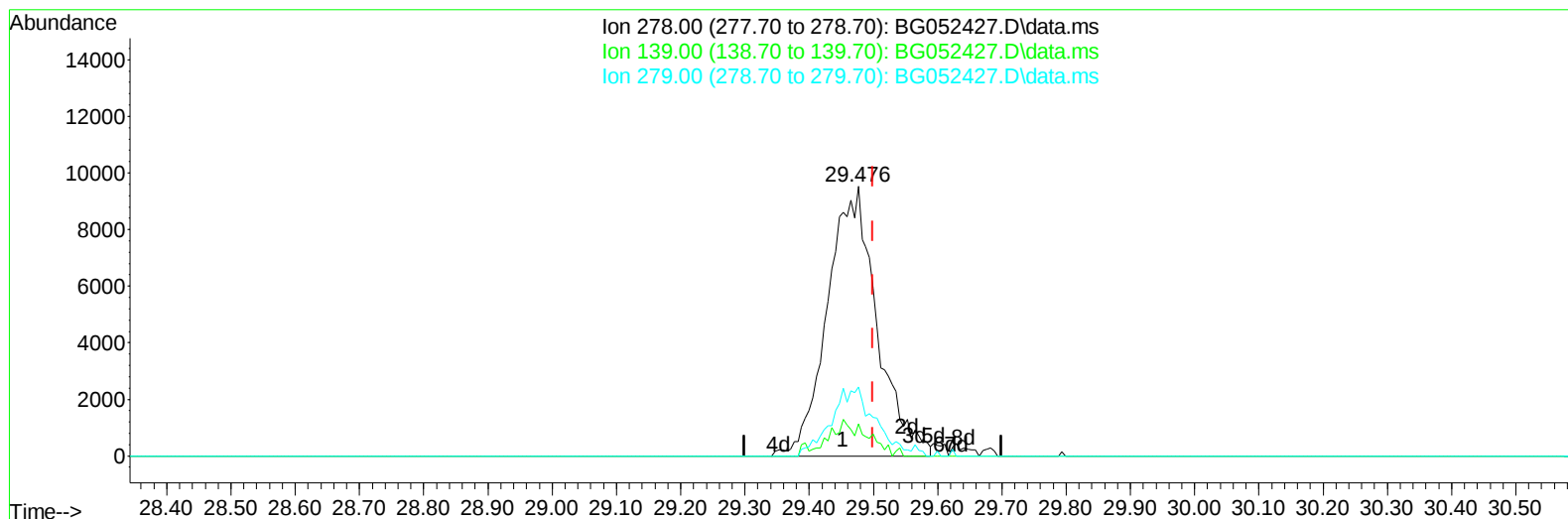
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG021822\  
Data File : BG052427.D  
Acq On : 18 Feb 2022 18:11  
Operator : CG/JU  
Sample : N1331-01  
Misc : SFAM-WATER-MDL01-4PPM  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-QT1-2022-01

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 02/21/2022  
Supervised By :Yogesh Patel 02/22/2022

Quant Time: Feb 18 23:05:25 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG013122.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jan 31 18:07:10 2022  
Response via : Initial Calibration



TIC: BG052427.D\data.ms

**(95) Dibenzo(a,h)anthracene**

29.476min (-0.023) 4.14 ng/u1 m

response 50797

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 15.30  | 11.89# |
| 279.00 | 24.40  | 25.55  |
| 0.00   | 0.00   | 0.00   |

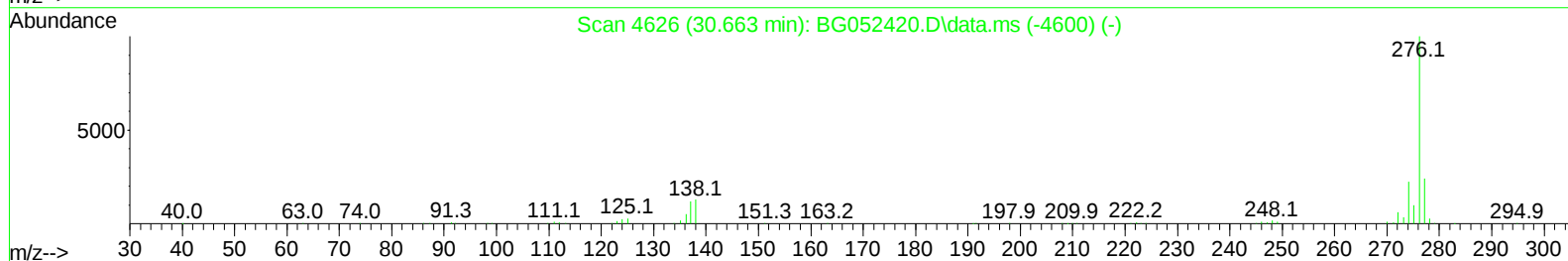
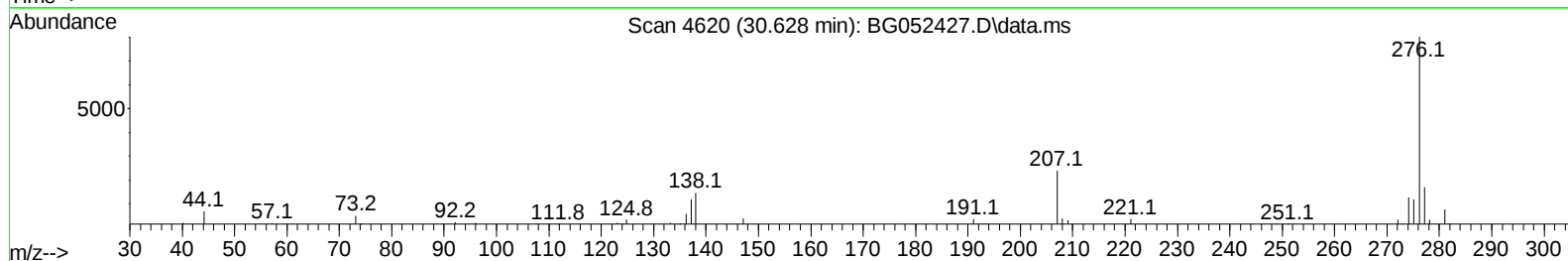
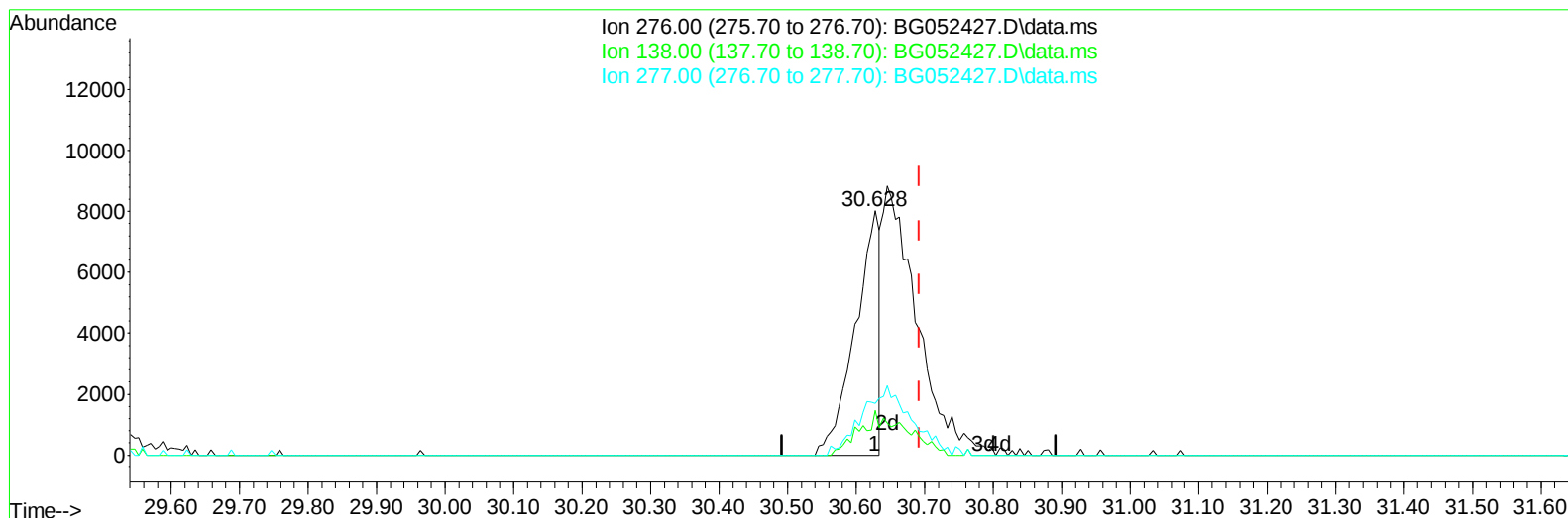
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Data File : BG052427.D  
Acq On : 18 Feb 2022 18:11  
Operator : CG/JU  
Sample : N1331-01  
Misc : SFAM-WATER-MDL01-4PPM  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-WATER-QT1-2022-01

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 02/21/2022  
Supervised By :Yogesh Patel 02/22/2022

Quant Time: Feb 18 23:05:25 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG013122.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jan 31 18:07:10 2022  
Response via : Initial Calibration



TIC: BG052427.D\data.ms

**(96) Benzo(g,h,i)perylene****30.628min (-0.064) 1.59 ng/u1****response 19999**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 20.70  | 18.30  |
| 277.00 | 22.00  | 21.18  |
| 0.00   | 0.00   | 0.00   |

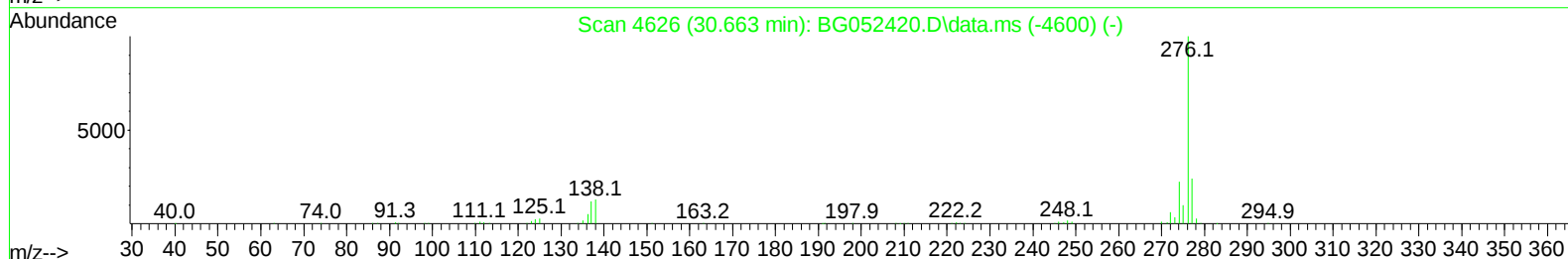
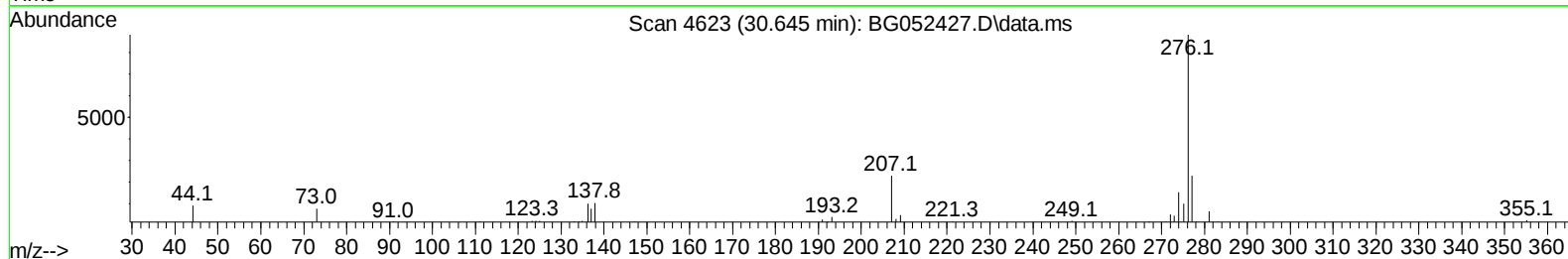
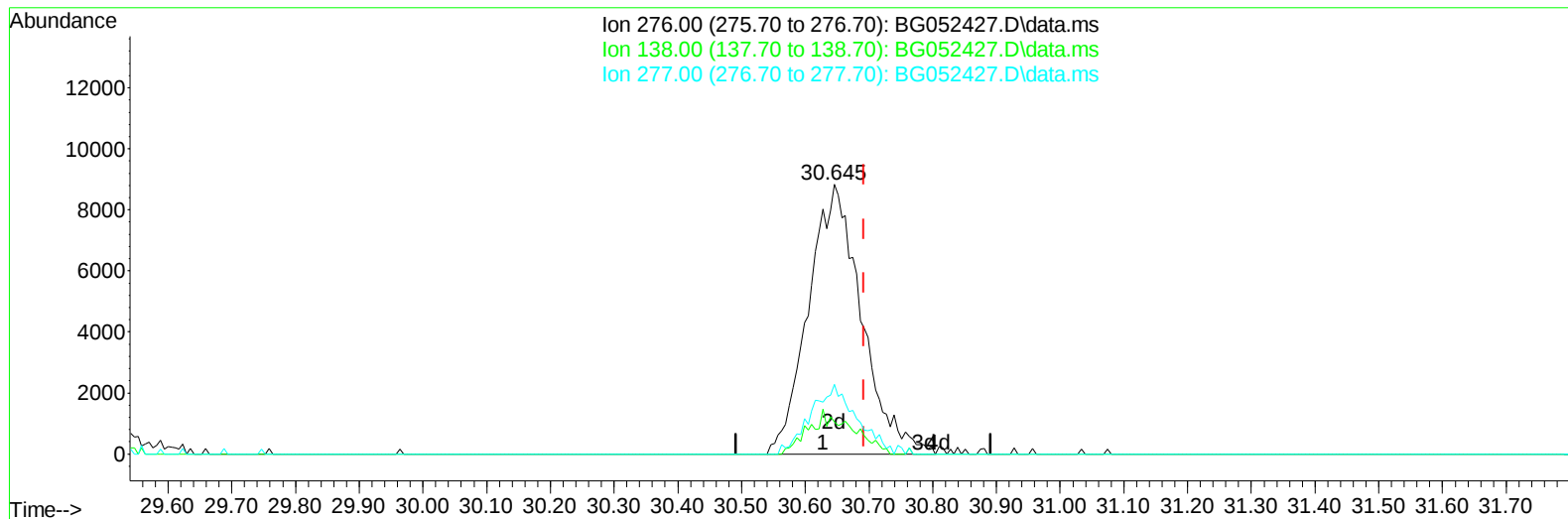
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG021822\  
 Data File : BG052427.D  
 Acq On : 18 Feb 2022 18:11  
 Operator : CG/JU  
 Sample : N1331-01  
 Misc : SFAM-WATER-MDL01-4PPM  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-WATER-QT1-2022-01

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 02/21/2022  
 Supervised By :Yogesh Patel 02/22/2022

Quant Time: Feb 18 23:05:25 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG013122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jan 31 18:07:10 2022  
 Response via : Initial Calibration



TIC: BG052427.D\data.ms

## (96) Benzo(g,h,i)perylene

30.645min (-0.046) 4.04 ng/ul m

response 50913

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 20.70  | 11.85# |
| 277.00 | 22.00  | 25.93  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG021822\  
 Data File : BG052427.D  
 Acq On : 18 Feb 2022 18:11  
 Operator : CG/JU  
 Sample : N1331-01  
 Misc : SFAM-WATER-MDL01-4PPM  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-WATER-QT1-2022-01

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 02/21/2022  
 Supervised By :Yogesh Patel 02/22/2022

Quant Time: Feb 18 23:05:25 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG013122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jan 31 18:07:10 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.223  | 152  | 23359    | 20.000 | ng/ul  | -0.01    |
| 20) Naphthalene-d8            | 11.060 | 136  | 100512   | 20.000 | ng/ul  | #-0.02   |
| 38) Acenaphthene-d10          | 14.867 | 164  | 74457    | 20.000 | ng/ul  | -0.01    |
| 64) Phenanthrene-d10          | 17.616 | 188  | 191248   | 20.000 | ng/ul  | #-0.01   |
| 79) Chrysene-d12              | 21.934 | 240  | 205105   | 20.000 | ng/ul  | #-0.01   |
| 88) Perylene-d12              | 25.400 | 264  | 205518   | 20.000 | ng/ul  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.547  | 96   | 3812     | 6.584  | ng/uL  | -0.02    |
| 4) Pyridine-d5                | 3.976  | 84   | 48154    | 26.738 | ng/ul  | -0.01    |
| 7) Phenol-d5                  | 7.371  | 99   | 64634    | 30.420 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.530  | 67   | 42011    | 32.546 | ng/ul  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.747  | 132  | 48403    | 32.692 | ng/ul  | -0.02    |
| 15) 4-Methylphenol-d8         | 8.928  | 113  | 51312    | 31.824 | ng/ul  | -0.01    |
| 21) Nitrobenzene-d5           | 9.392  | 128  | 26022    | 31.796 | ng/ul  | -0.02    |
| 24) 2-Nitrophenol-d4          | 10.126 | 143  | 28879    | 32.292 | ng/ul  | -0.02    |
| 28) 2,4-Dichlorophenol-d3     | 10.678 | 165  | 52440    | 30.079 | ng/ul  | -0.01    |
| 31) 4-Chloroaniline-d4        | 11.189 | 131  | 68804    | 31.113 | ng/ul  | -0.01    |
| 46) Dimethylphthalate-d6      | 14.256 | 166  | 188671   | 32.237 | ng/ul  | -0.01    |
| 49) Acenaphthylene-d8         | 14.561 | 160  | 216583   | 29.690 | ng/ul  | -0.02    |
| 54) 4-Nitrophenol-d4          | 15.055 | 143  | 27624m   | 31.165 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.860 | 176  | 165192   | 32.217 | ng/ul  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.965 | 200  | 30371    | 25.723 | ng/ul  | -0.02    |
| 73) Anthracene-d10            | 17.716 | 188  | 280407   | 31.100 | ng/ul  | -0.01    |
| 81) Pyrene-d10                | 19.995 | 212  | 354652   | 28.851 | ng/ul  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 25.159 | 264  | 373497   | 34.208 | ng/ul  | -0.02    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.582  | 88   | 978      | 1.515  | ng/ul# | 71       |
| 5) Pyridine                   | 3.993  | 79   | 7998m    | 4.241  | ng/ul  |          |
| 6) Benzaldehyde               | 7.342  | 77   | 7109     | 5.902  | ng/ul# | 90       |
| 8) Phenol                     | 7.395  | 94   | 9146     | 4.295  | ng/ul  | 90       |
| 10) Bis(2-Chloroethyl)ether   | 7.624  | 93   | 7094     | 4.409  | ng/ul  | 97       |
| 12) 2-Chlorophenol            | 7.788  | 128  | 6555     | 4.289  | ng/ul# | 87       |
| 13) 2-Methylphenol            | 8.669  | 108  | 6598     | 4.117  | ng/ul  | 88       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.752  | 45   | 9600     | 4.177  | ng/ul# | 86       |
| 16) Acetophenone              | 9.045  | 105  | 11001    | 4.400  | ng/ul  | 97       |
| 17) N-Nitroso-di-n-propyla... | 9.028  | 70   | 6456     | 4.304  | ng/ul# | 96       |
| 18) 4-Methylphenol            | 8.998  | 108  | 7006     | 4.150  | ng/ul  | 91       |
| 19) Hexachloroethane          | 9.327  | 117  | 2545     | 3.866  | ng/ul# | 56       |
| 22) Nitrobenzene              | 9.439  | 77   | 9436     | 4.134  | ng/ul  | 93       |
| 23) Isophorone                | 9.962  | 82   | 17191    | 4.070  | ng/ul  | 95       |
| 25) 2-Nitrophenol             | 10.156 | 139  | 4122m    | 4.216  | ng/ul  |          |
| 26) 2,4-Dimethylphenol        | 10.208 | 107  | 7854     | 3.896  | ng/ul# | 83       |
| 27) Bis(2-Chloroethoxy)met... | 10.443 | 93   | 8775     | 3.874  | ng/ul# | 94       |
| 29) 2,4-Dichlorophenol        | 10.702 | 162  | 6873m    | 4.078  | ng/ul  |          |
| 30) Naphthalene               | 11.113 | 128  | 21764    | 3.960  | ng/ul  | 98       |
| 32) 4-Chloroaniline           | 11.213 | 127  | 9621     | 4.220  | ng/ul  | 94       |
| 33) Hexachlorobutadiene       | 11.401 | 225  | 5421     | 3.943  | ng/ul  | 93       |
| 34) Caprolactam               | 11.971 | 113  | 2083m    | 3.811  | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.329 | 107  | 7498     | 4.125  | ng/ul# | 92       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG021822\  
 Data File : BG052427.D  
 Acq On : 18 Feb 2022 18:11  
 Operator : CG/JU  
 Sample : N1331-01  
 Misc : SFAM-WATER-MDL01-4PPM  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-WATER-QT1-2022-01

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 02/21/2022  
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Quant Time: Feb 18 23:05:25 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG013122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jan 31 18:07:10 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.705 | 142  | 16804    | 4.357 | ng/ul  | 99       |
| 37) 1-Methylnaphthalene       | 12.922 | 142  | 16527    | 4.166 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 13.075 | 216  | 10823    | 4.038 | ng/ul# | 89       |
| 40) Hexachlorocyclopentadiene | 13.057 | 237  | 3131     | 2.046 | ng/ul# | 81       |
| 41) 2,4,6-Trichlorophenol     | 13.310 | 196  | 5264     | 3.290 | ng/ul# | 88       |
| 42) 2,4,5-Trichlorophenol     | 13.398 | 196  | 5812     | 3.372 | ng/ul  | 93       |
| 43) 1,1'-Biphenyl             | 13.704 | 154  | 23973    | 4.107 | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 13.751 | 162  | 18748    | 4.198 | ng/ul  | 92       |
| 45) 2-Nitroaniline            | 13.945 | 65   | 5551     | 3.691 | ng/ul  | 92       |
| 47) Dimethylphthalate         | 14.303 | 163  | 24302    | 4.284 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.432 | 165  | 4708     | 3.847 | ng/ul# | 87       |
| 50) Acenaphthylene            | 14.591 | 152  | 28429    | 3.888 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.767 | 138  | 4586     | 4.379 | ng/ul# | 81       |
| 52) Acenaphthene              | 14.931 | 153  | 20345    | 4.244 | ng/ul  | 90       |
| 53) 2,4-Dinitrophenol         | 14.984 | 184  | 1069m    | 1.682 | ng/ul  |          |
| 55) 4-Nitrophenol             | 15.072 | 109  | 3608     | 3.883 | ng/ul  | 89       |
| 56) Dibenzofuran              | 15.260 | 168  | 29203    | 4.208 | ng/ul  | 94       |
| 57) 2,4-Dinitrotoluene        | 15.219 | 165  | 7275     | 4.147 | ng/ul# | 78       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.495 | 232  | 5158     | 3.419 | ng/ul# | 91       |
| 59) Diethylphthalate          | 15.660 | 149  | 24504    | 4.260 | ng/ul  | 94       |
| 61) Fluorene                  | 15.912 | 166  | 24536    | 4.260 | ng/ul  | 94       |
| 62) 4-Chlorophenyl-phenyle... | 15.895 | 204  | 13158    | 4.154 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.918 | 138  | 5737     | 5.645 | ng/ul# | 81       |
| 66) 4,6-Dinitro-2-methylph... | 15.989 | 198  | 3654     | 3.249 | ng/ul# | 96       |
| 67) N-Nitrosodiphenylamine    | 16.112 | 169  | 21466    | 4.094 | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.794 | 248  | 8798     | 3.811 | ng/ul  | 90       |
| 69) Hexachlorobenzene         | 16.923 | 284  | 10370    | 3.997 | ng/ul# | 86       |
| 70) Atrazine                  | 17.046 | 200  | 8704     | 3.763 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 17.275 | 266  | 2896m    | 2.328 | ng/ul  |          |
| 72) Phenanthrene              | 17.657 | 178  | 41879    | 4.157 | ng/ul  | 97       |
| 74) Anthracene                | 17.751 | 178  | 43156    | 4.340 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.680 | 216  | 10941    | 3.427 | ng/uL  | 96       |
| 76) Pentachlorobenzene        | 15.190 | 250  | 11593    | 3.936 | ng/uL  | 96       |
| 77) Carbazole                 | 18.021 | 167  | 36681    | 4.232 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.556 | 149  | 42732    | 4.111 | ng/ul  | 97       |
| 80) Fluoranthene              | 19.660 | 202  | 55828    | 3.857 | ng/ul# | 94       |
| 82) Pyrene                    | 20.025 | 202  | 57716    | 4.073 | ng/ul# | 91       |
| 83) Butylbenzylphthalate      | 20.894 | 149  | 18057    | 3.642 | ng/ul  | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.816 | 252  | 17779    | 4.048 | ng/ul# | 95       |
| 85) Benzo(a)anthracene        | 21.910 | 228  | 56536    | 4.098 | ng/ul  | 96       |
| 86) Bis(2-ethylhexyl)phtha... | 21.787 | 149  | 25359    | 3.569 | ng/ul# | 93       |
| 87) Chrysene                  | 21.981 | 228  | 56758    | 4.354 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 23.079 | 149  | 43903    | 3.765 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.283 | 252  | 53905    | 3.782 | ng/ul# | 95       |
| 91) Benzo(k)fluoranthene      | 24.360 | 252  | 55400    | 4.249 | ng/ul# | 95       |
| 93) Benzo(a)pyrene            | 25.235 | 252  | 50607    | 3.808 | ng/ul# | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.400 | 276  | 59546    | 4.022 | ng/ul# | 89       |
| 95) Dibenzo(a,h)anthracene    | 29.476 | 278  | 50797m   | 4.138 | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 30.645 | 276  | 50913m   | 4.040 | ng/ul  |          |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

**Instrument :**

BNA\_G

**ClientSampleId :**

MDL-WATER-QT1-2022-01

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 02/21/2022  
Supervised By :Yogesh Patel 02/22/2022

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG021822\  
 Data File : BG052427.D  
 Acq On : 18 Feb 2022 18:11  
 Operator : CG/JU  
 Sample : N1331-01  
 Misc : SFAM-WATER-MDL01-4PPM  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-WATER-QT1-2022-01

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 02/21/2022  
 Supervised By :Yogesh Patel 02/22/2022

Quant Time: Feb 18 23:05:25 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG013122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jan 31 18:07:10 2022  
 Response via : Initial Calibration

