

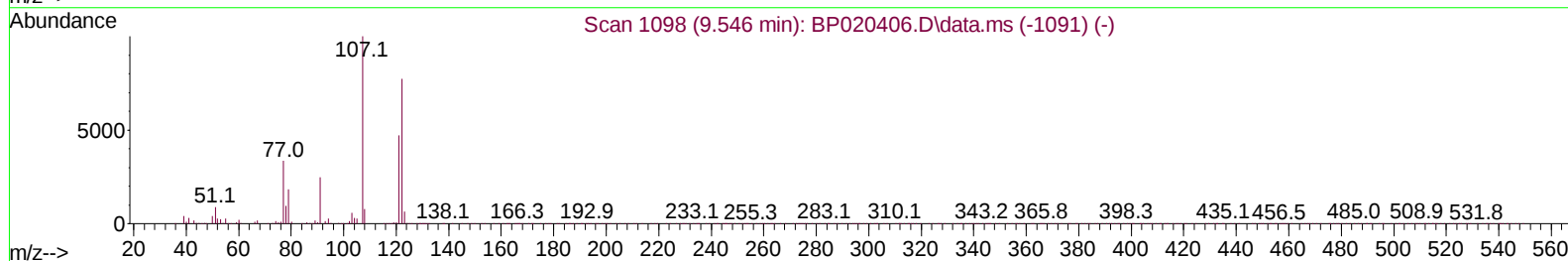
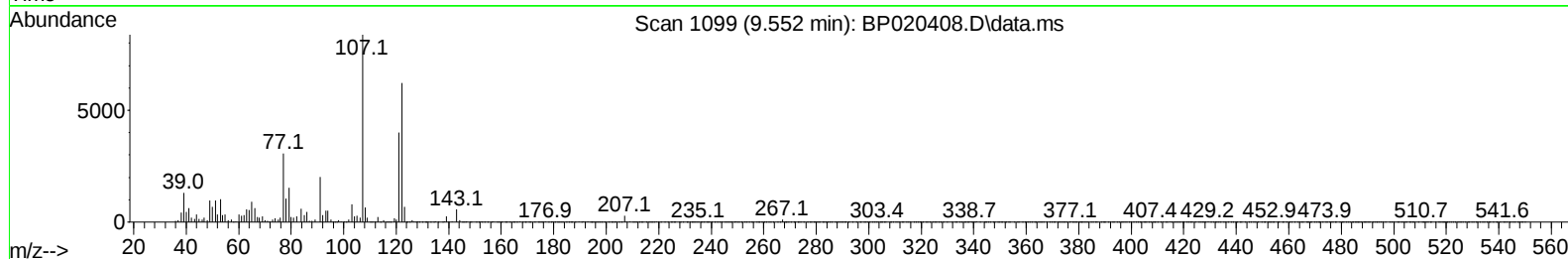
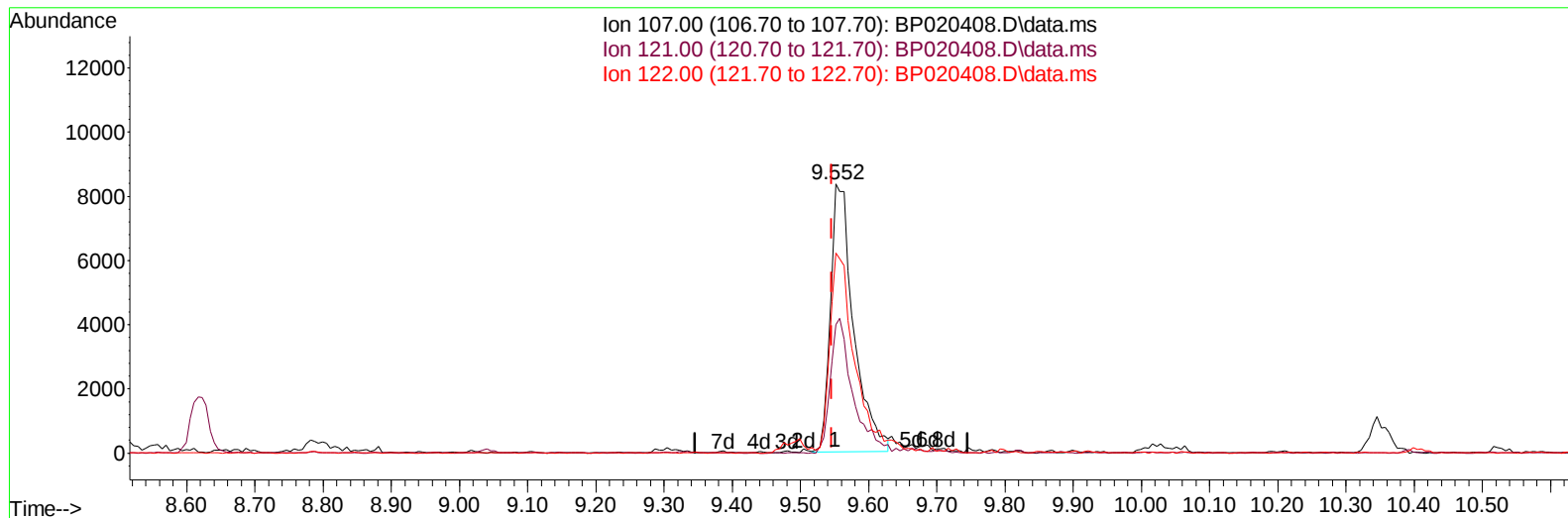
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051624\  
 Data File : BP020408.D  
 Acq On : 16 May 2024 12:12  
 Operator : MA/JU  
 Sample : P2409-01  
 Misc : SFAM-MDL-WATER-01  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-WATER-QT2-2024-03

Manual IntegrationsAPPROVED

Quant Time: May 16 12:49:24 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 16 10:48:40 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/17/2024  
 Supervised By :mohammad ahmed 05/18/2024



TIC: BP020408.D\data.ms

(26) 2,4-Dimethylphenol

9.552min (+ 0.006) 3.11 ng/u1

response 19787

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 107.00 | 100.00 | 100.00 |
| 121.00 | 45.00  | 47.70  |
| 122.00 | 74.30  | 74.35  |
| 0.00   | 0.00   | 0.00   |

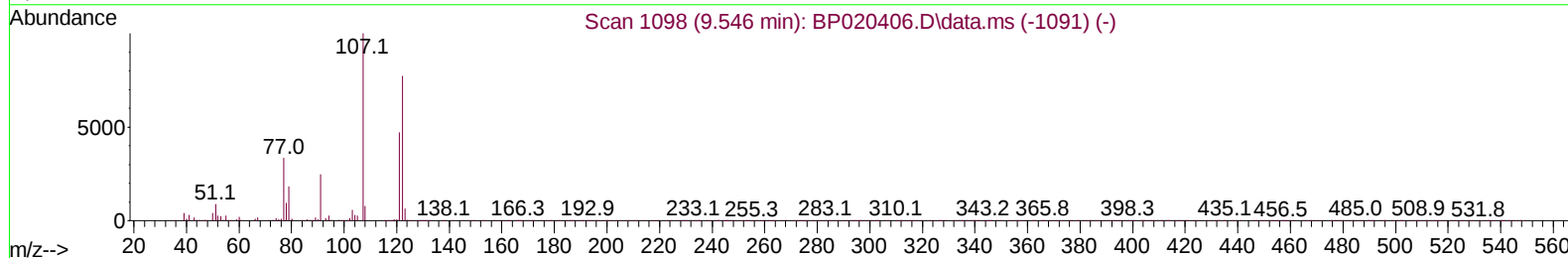
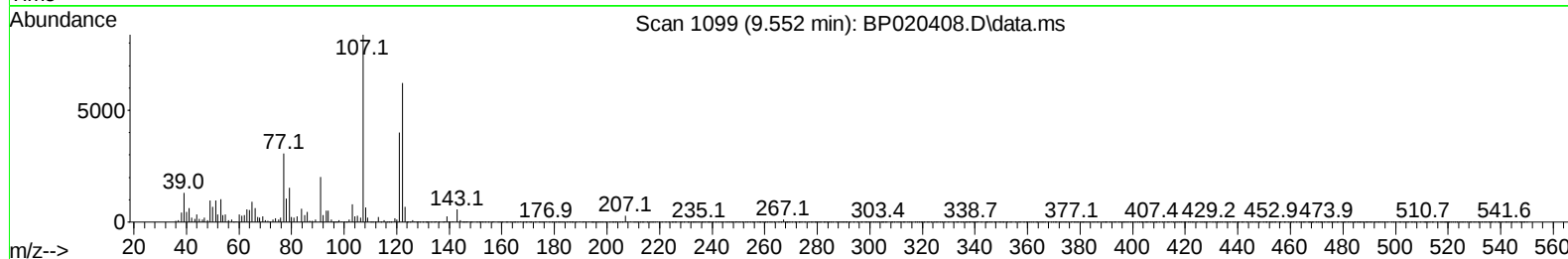
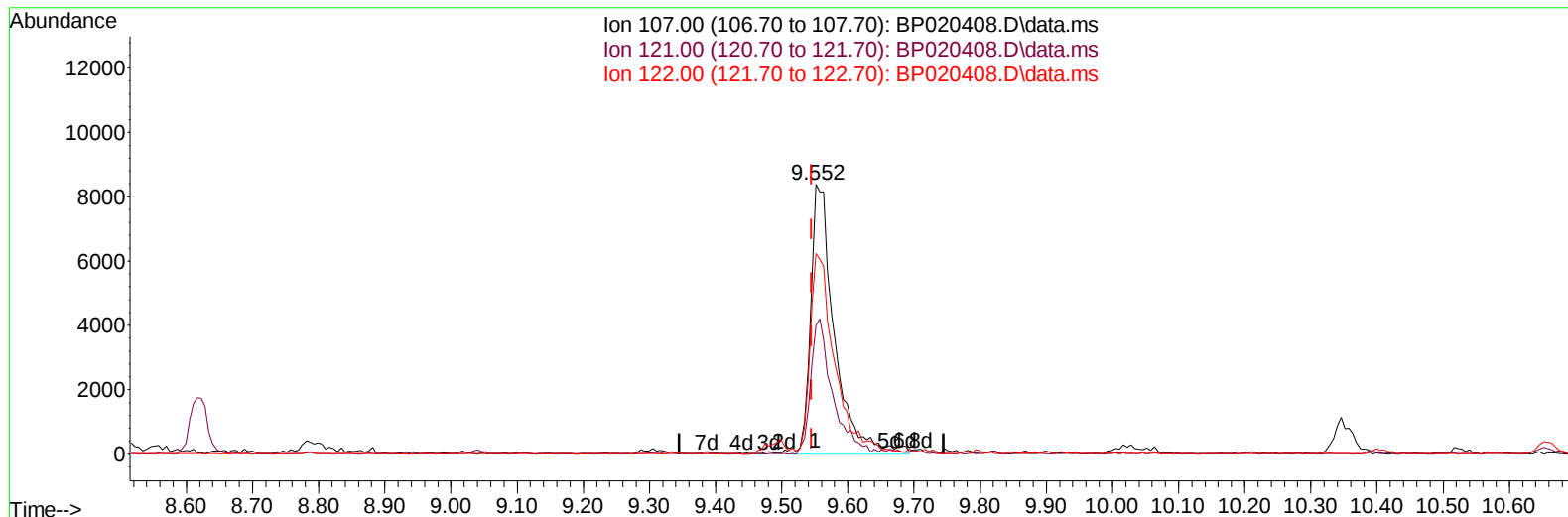
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051624\  
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 Operator : MA/JU  
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Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-WATER-QT2-2024-03

Manual IntegrationsAPPROVED

Quant Time: May 16 12:49:24 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 16 10:48:40 2024  
 Response via : Initial Calibration

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 Supervised By :mohammad ahmed 05/18/2024



TIC: BP020408.D\data.ms

(26) 2,4-Dimethylphenol

9.552min (+ 0.006) 3.30 ng/ul m

response 20988

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 107.00 | 100.00 | 100.00 |
| 121.00 | 45.00  | 47.70  |
| 122.00 | 74.30  | 74.35  |
| 0.00   | 0.00   | 0.00   |

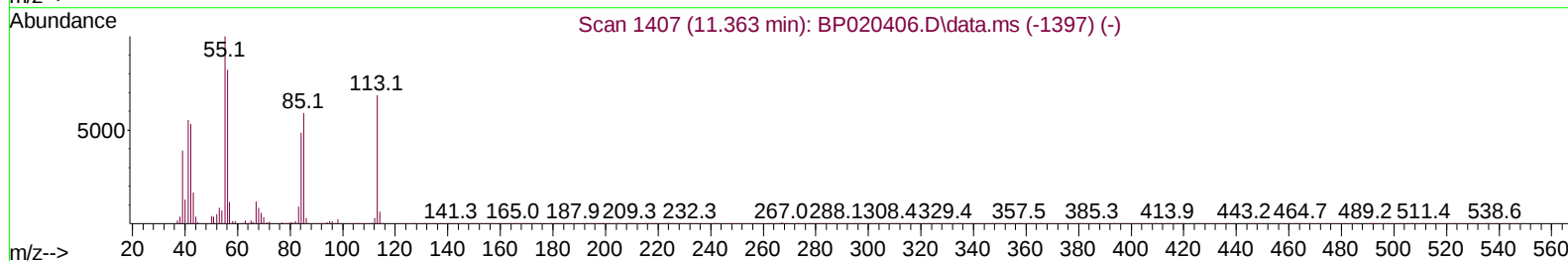
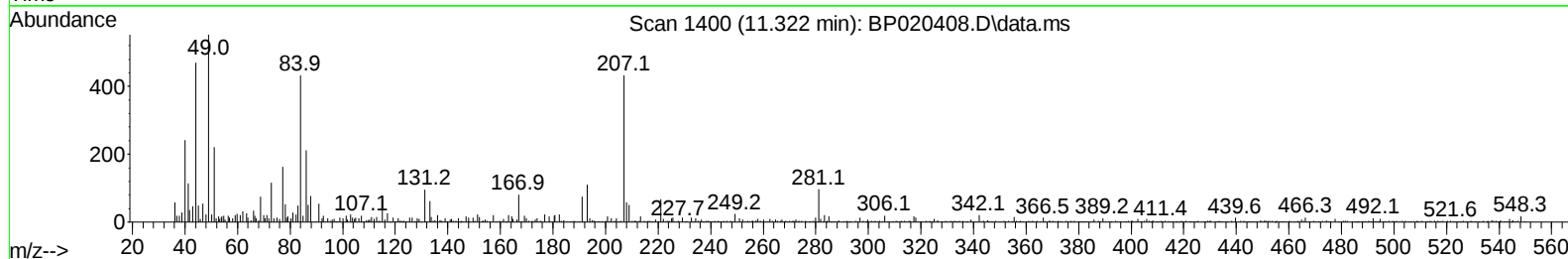
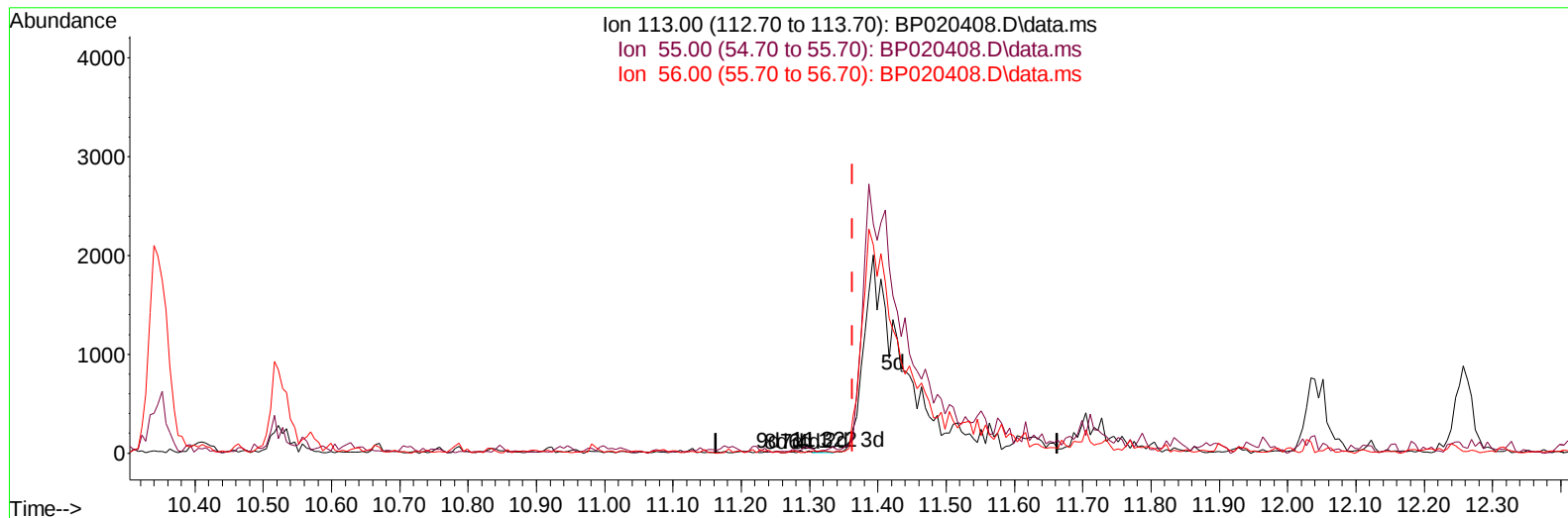
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051624\  
Data File : BP020408.D  
Acq On : 16 May 2024 12:12  
Operator : MA/JU  
Sample : P2409-01  
Misc : SFAM-MDL-WATER-01  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-WATER-QT2-2024-03

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024  
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Quant Time: May 16 12:49:24 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu May 16 10:48:40 2024  
Response via : Initial Calibration



TIC: BP020408.D\data.ms

## (34) Caprolactam

11.322min (-0.041) 0.01 ng/u1

response 12

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 163.80 | 158.82 |
| 56.00  | 131.80 | 105.88 |
| 0.00   | 0.00   | 0.00   |

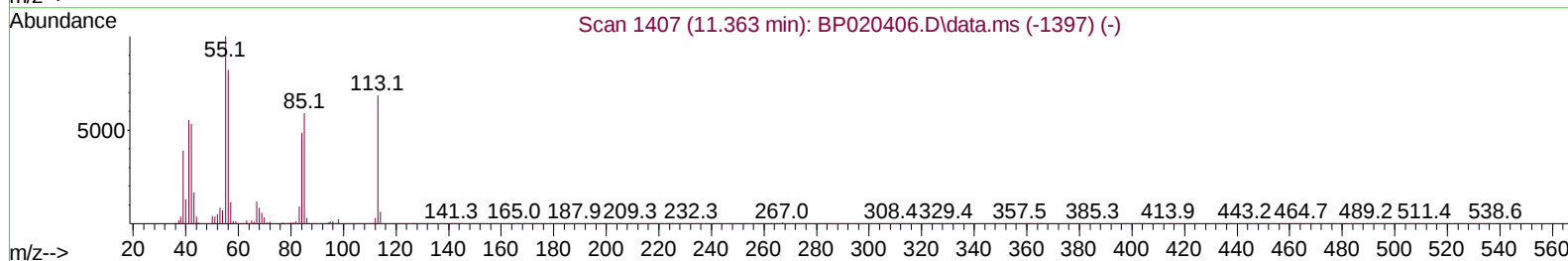
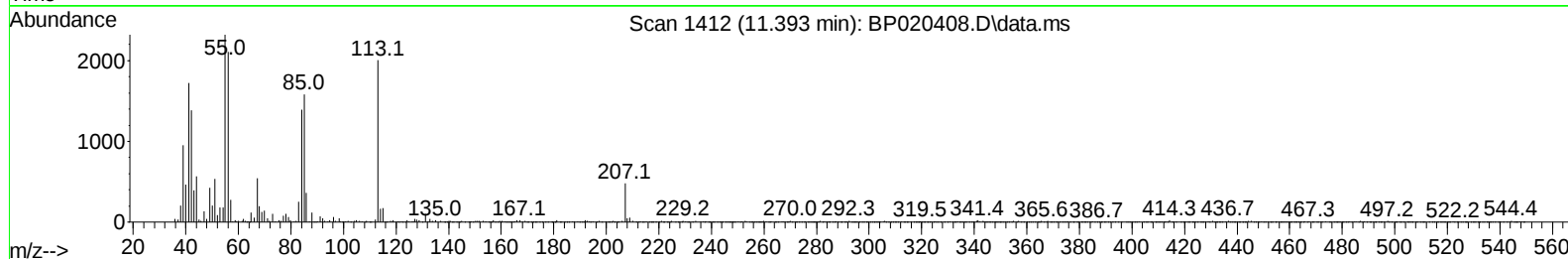
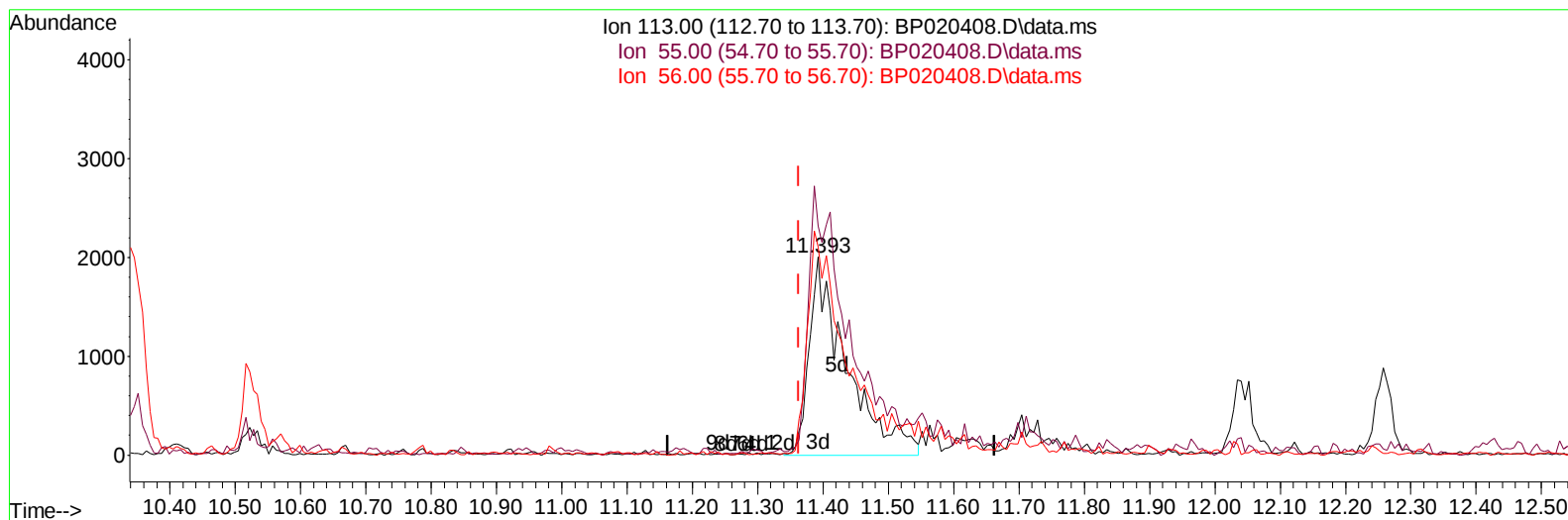
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051624\  
 Data File : BP020408.D  
 Acq On : 16 May 2024 12:12  
 Operator : MA/JU  
 Sample : P2409-01  
 Misc : SFAM-MDL-WATER-01  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-WATER-QT2-2024-03

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024  
 Supervised By :mohammad ahmed 05/18/2024

Quant Time: May 16 12:49:24 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 16 10:48:40 2024  
 Response via : Initial Calibration



TIC: BP020408.D\data.ms

## (34) Caprolactam

11.393min (+ 0.030) 4.54 ng/ul m

response 7920

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 113.00 | 100.00 | 100.00  |
| 55.00  | 163.80 | 115.88# |
| 56.00  | 131.80 | 105.39# |
| 0.00   | 0.00   | 0.00    |

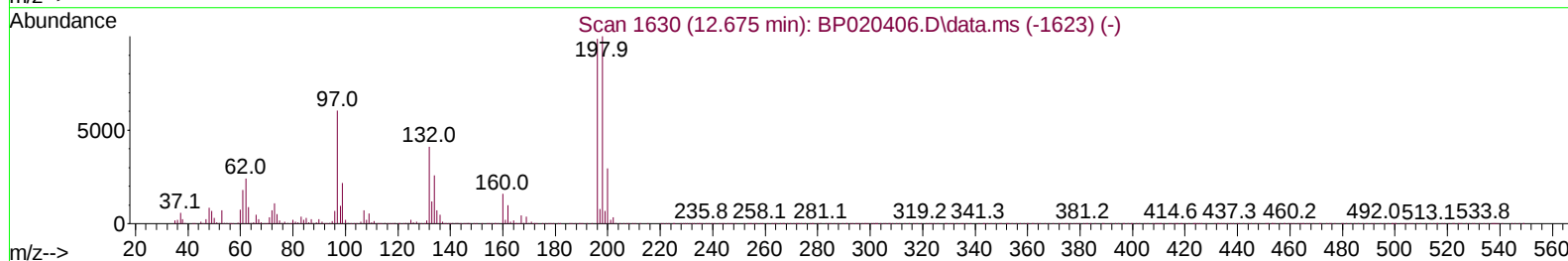
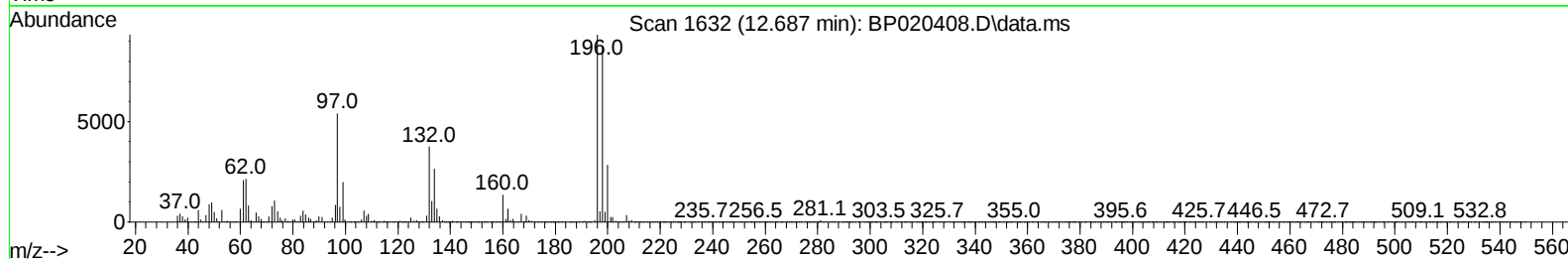
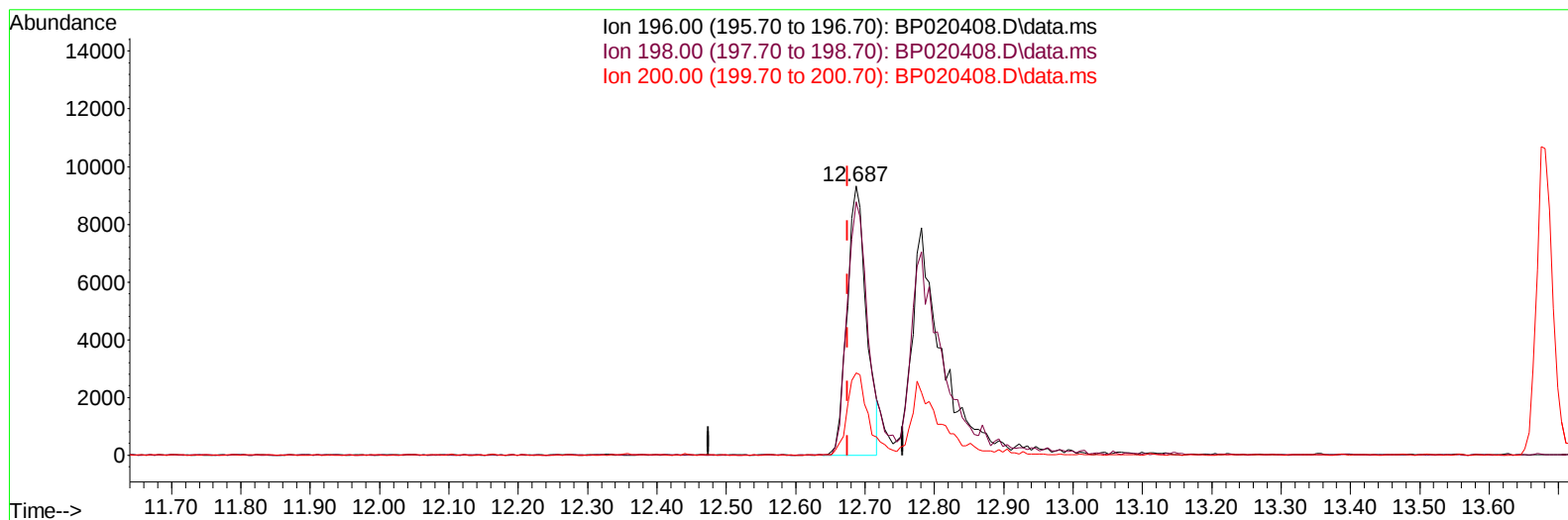
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051624\  
Data File : BP020408.D  
Acq On : 16 May 2024 12:12  
Operator : MA/JU  
Sample : P2409-01  
Misc : SFAM-MDL-WATER-01  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-WATER-QT2-2024-03

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024  
Supervised By :mohammad ahmed 05/18/2024

Quant Time: May 16 12:49:24 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu May 16 10:48:40 2024  
Response via : Initial Calibration



TIC: BP020408.D\data.ms

## (41) 2,4,6-Trichlorophenol (C)

12.687min (+ 0.012) 3.85 ng/u1

response 17869

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 196.00 | 100.00 | 100.00 |
| 198.00 | 94.80  | 94.27  |
| 200.00 | 31.00  | 30.49  |
| 0.00   | 0.00   | 0.00   |

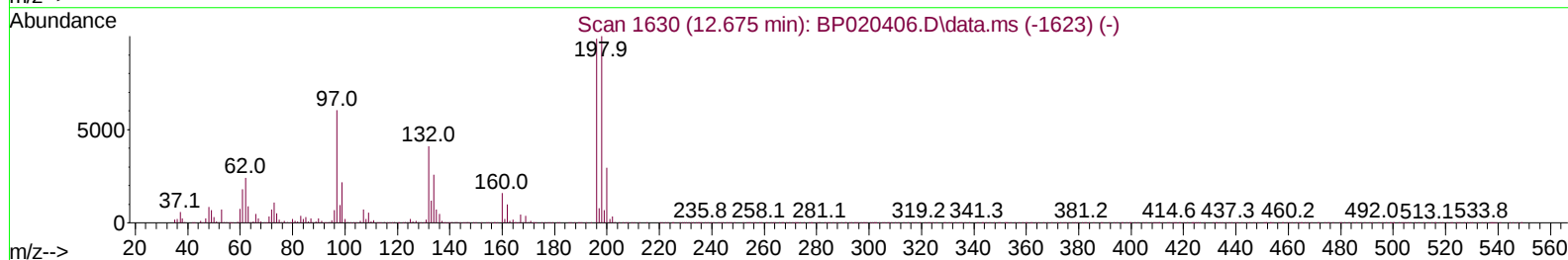
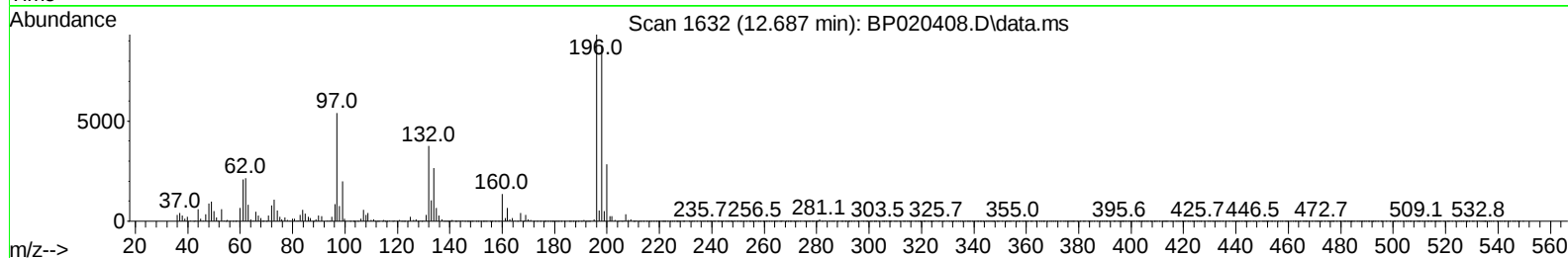
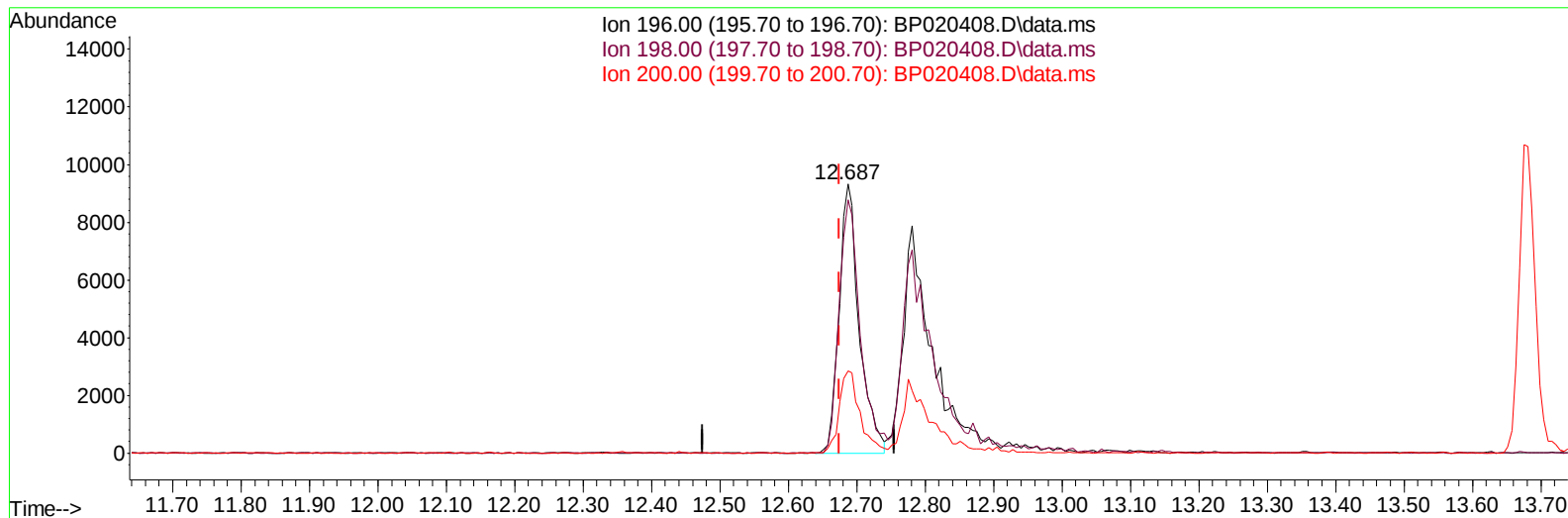
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051624\  
Data File : BP020408.D  
Acq On : 16 May 2024 12:12  
Operator : MA/JU  
Sample : P2409-01  
Misc : SFAM-MDL-WATER-01  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-WATER-QT2-2024-03

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024  
Supervised By :mohammad ahmed 05/18/2024

Quant Time: May 16 12:49:24 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu May 16 10:48:40 2024  
Response via : Initial Calibration



TIC: BP020408.D\data.ms

## (41) 2,4,6-Trichlorophenol (C)

12.687min (+ 0.012) 4.12 ng/ul m

response 19079

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 196.00 | 100.00 | 100.00 |
| 198.00 | 94.80  | 94.27  |
| 200.00 | 31.00  | 30.49  |
| 0.00   | 0.00   | 0.00   |

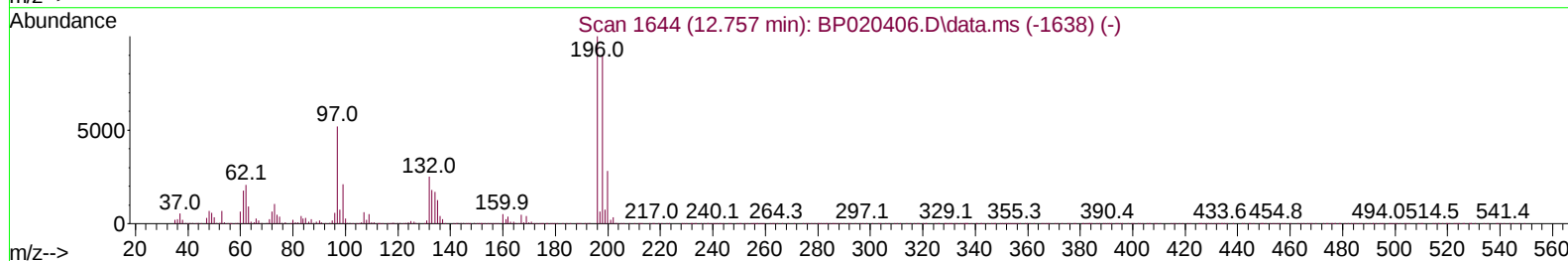
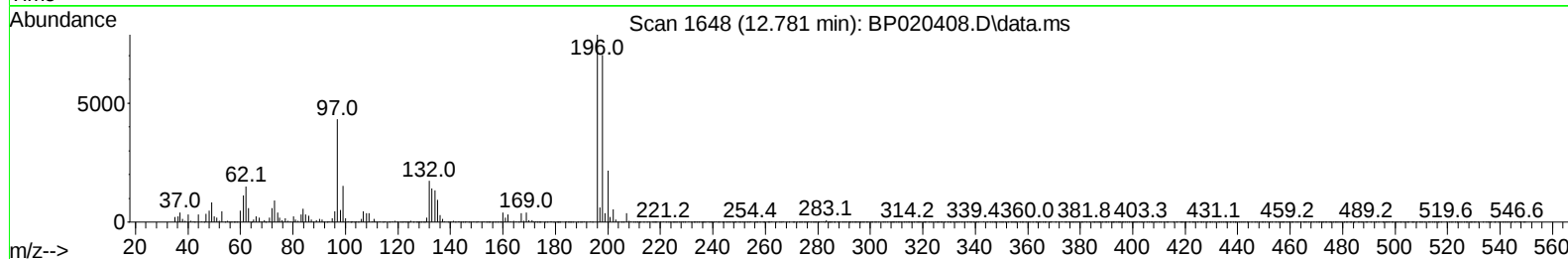
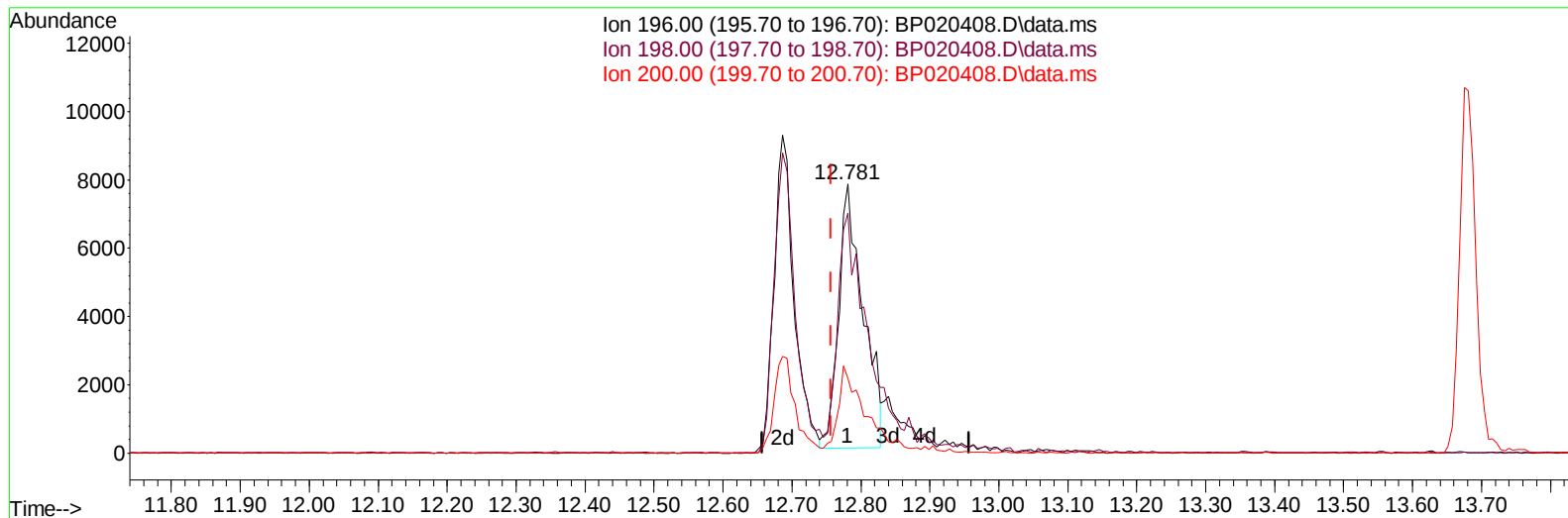
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051624\  
 Data File : BP020408.D  
 Acq On : 16 May 2024 12:12  
 Operator : MA/JU  
 Sample : P2409-01  
 Misc : SFAM-MDL-WATER-01  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-WATER-QT2-2024-03

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024  
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 16 10:48:40 2024  
 Response via : Initial Calibration



TIC: BP020408.D\data.ms

(42) 2,4,5-Trichlorophenol

12.781min (+ 0.024) 3.81 ng/ul

response 19006

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 196.00 | 100.00 | 100.00 |
| 198.00 | 91.90  | 89.32  |
| 200.00 | 30.50  | 27.61  |
| 0.00   | 0.00   | 0.00   |

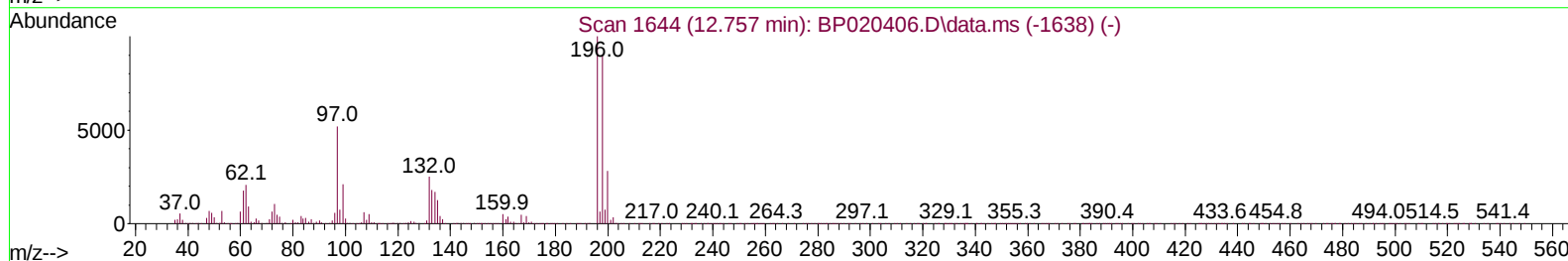
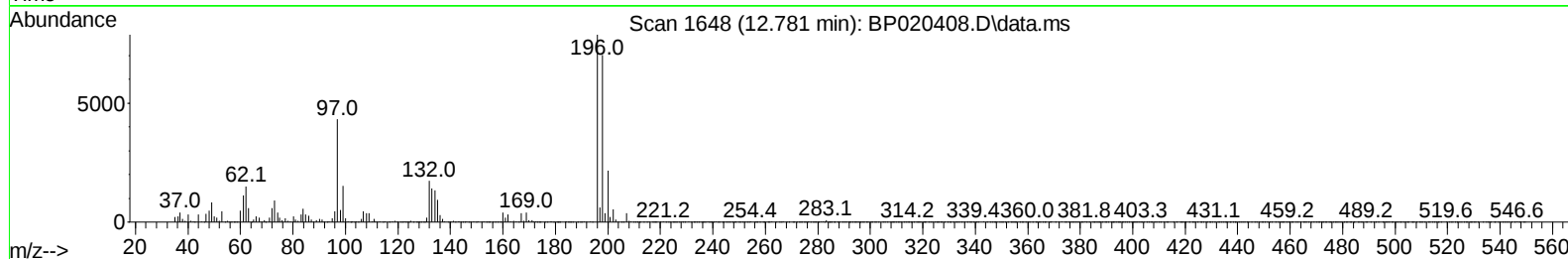
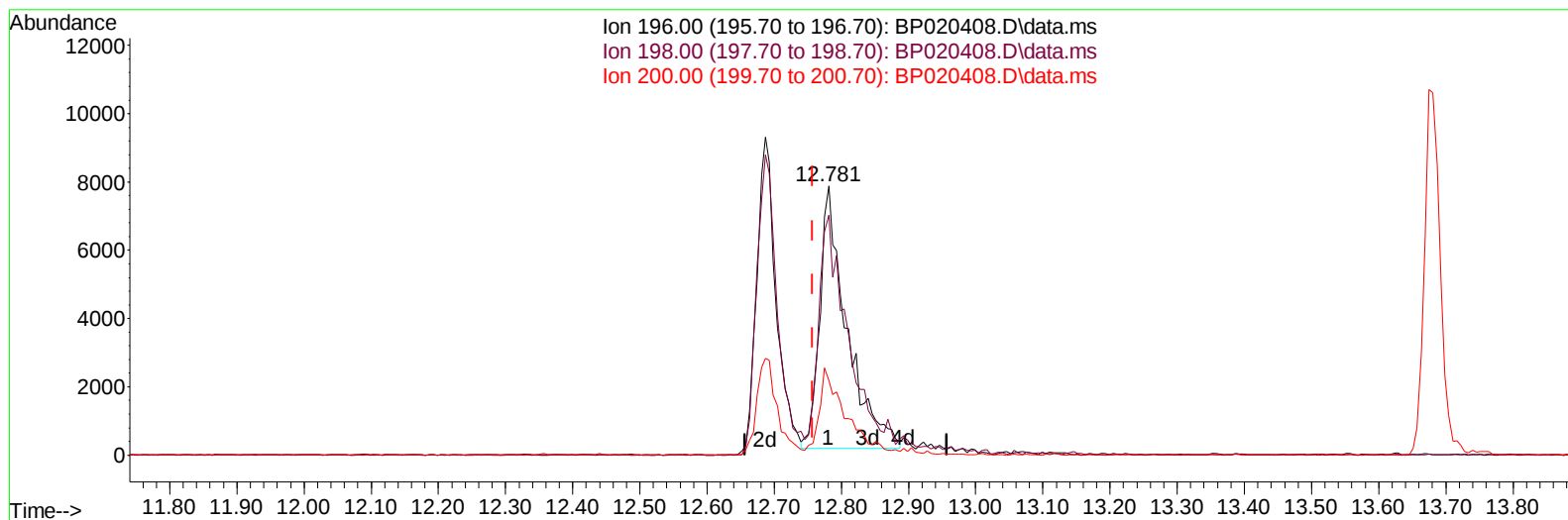
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051624\  
 Data File : BP020408.D  
 Acq On : 16 May 2024 12:12  
 Operator : MA/JU  
 Sample : P2409-01  
 Misc : SFAM-MDL-WATER-01  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-WATER-QT2-2024-03

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024  
 Supervised By :mohammad ahmed 05/18/2024

Quant Time: May 16 12:49:24 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 16 10:48:40 2024  
 Response via : Initial Calibration



TIC: BP020408.D\data.ms

(42) 2,4,5-Trichlorophenol

12.781min (+ 0.024) 4.30 ng/ul m

response 21474

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 196.00 | 100.00 | 100.00 |
| 198.00 | 91.90  | 89.32  |
| 200.00 | 30.50  | 27.61  |
| 0.00   | 0.00   | 0.00   |

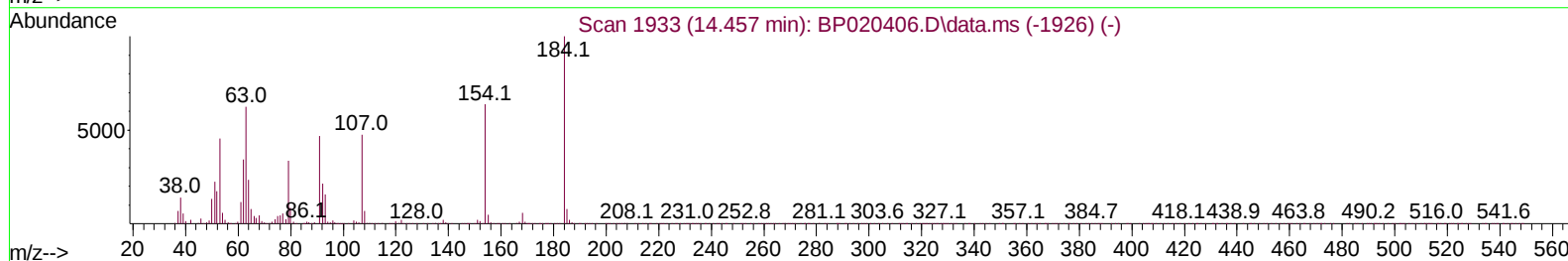
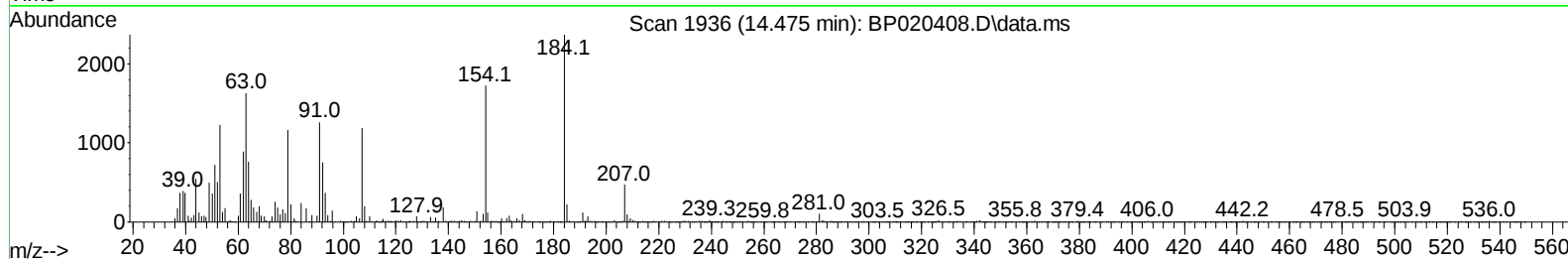
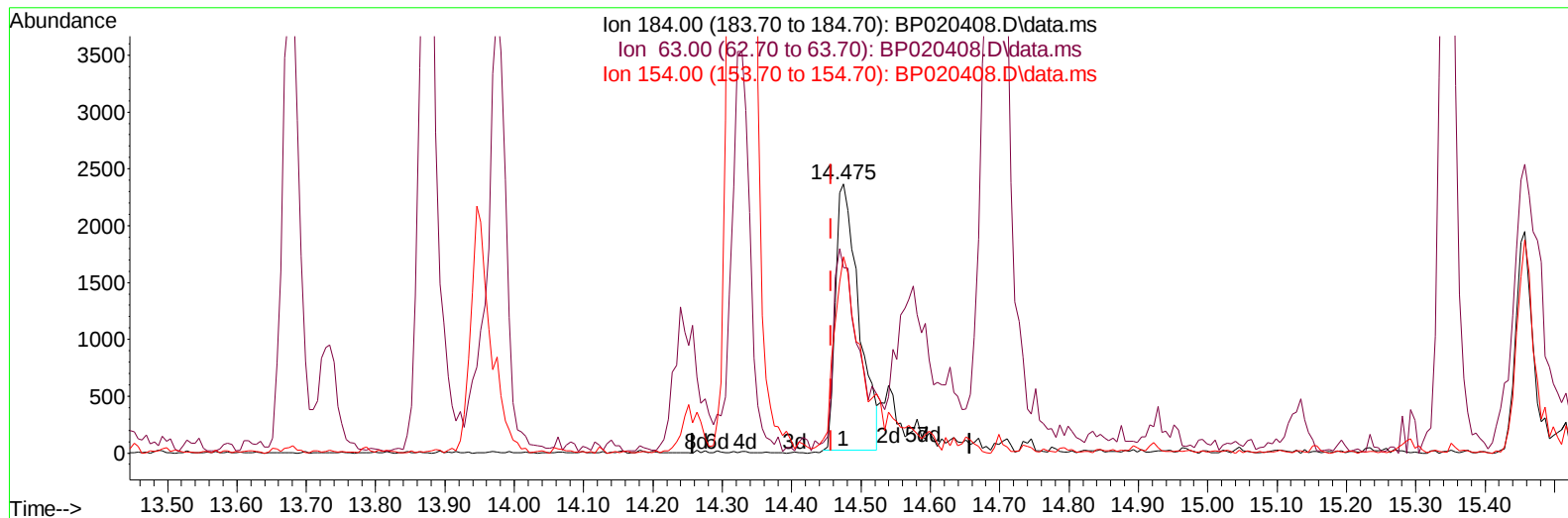
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051624\  
 Data File : BP020408.D  
 Acq On : 16 May 2024 12:12  
 Operator : MA/JU  
 Sample : P2409-01  
 Misc : SFAM-MDL-WATER-01  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-WATER-QT2-2024-03

## Manual IntegrationsAPPROVED

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 16 10:48:40 2024  
 Response via : Initial Calibration



TIC: BP020408.D\data.ms

## (53) 2,4-Dinitrophenol

14.475min (+ 0.018) 2.53 ng/ul

response 5405

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 184.00 | 100.00 | 100.00 |
| 63.00  | 82.00  | 68.98  |
| 154.00 | 67.30  | 72.87  |
| 0.00   | 0.00   | 0.00   |

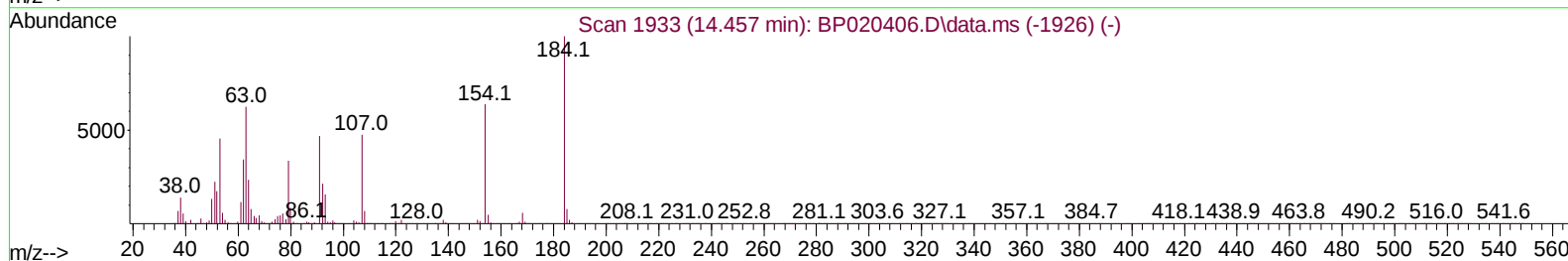
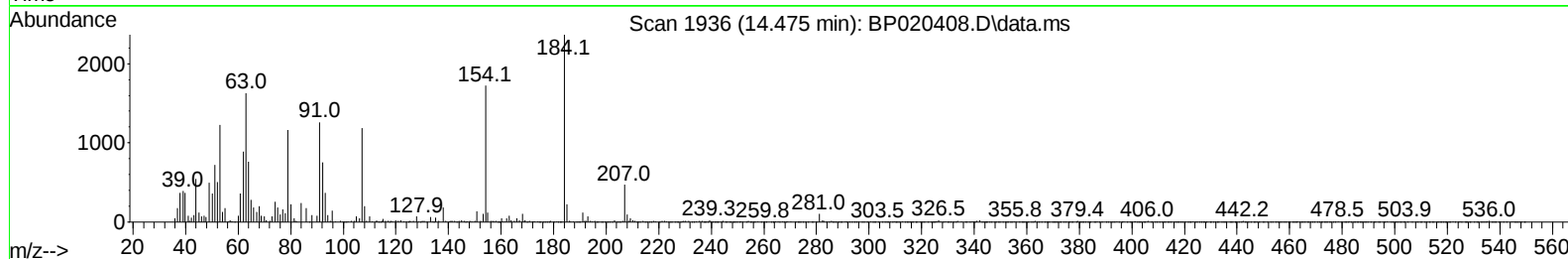
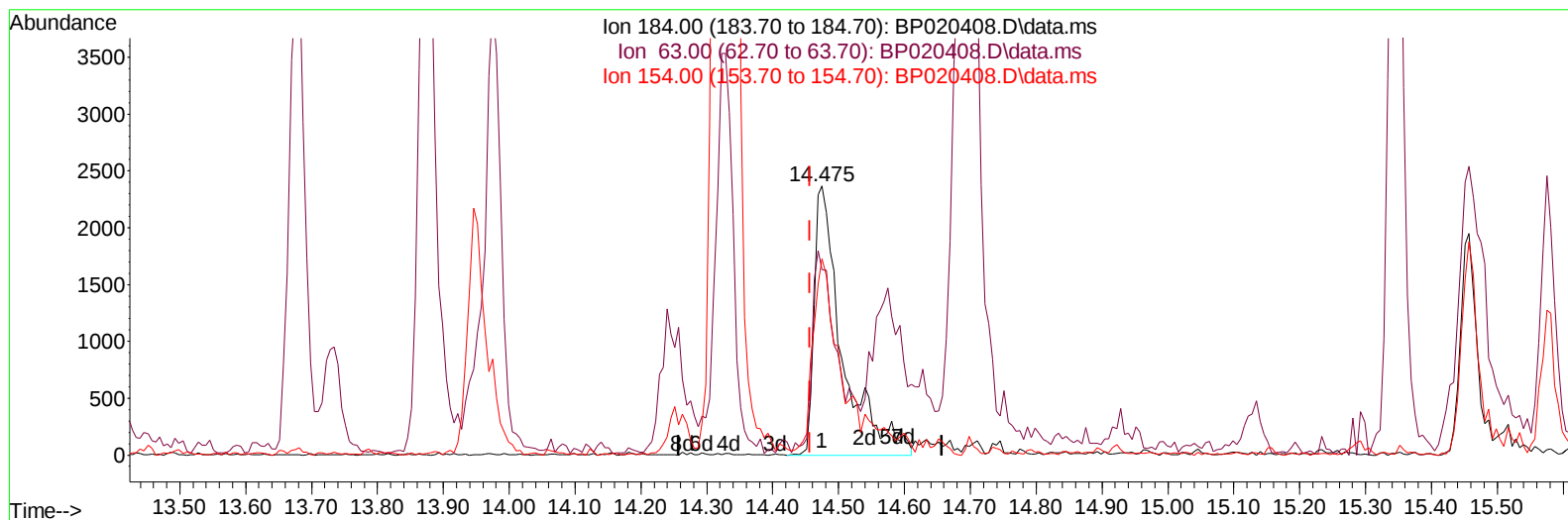
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051624\  
Data File : BP020408.D  
Acq On : 16 May 2024 12:12  
Operator : MA/JU  
Sample : P2409-01  
Misc : SFAM-MDL-WATER-01  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-WATER-QT2-2024-03

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024  
Supervised By :mohammad ahmed 05/18/2024

Quant Time: May 16 12:49:24 2024  
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Quant Title : SVOA CALIBRATION  
QLast Update : Thu May 16 10:48:40 2024  
Response via : Initial Calibration



TIC: BP020408.D\data.ms

## (53) 2,4-Dinitrophenol

14.475min (+ 0.018) 3.25 ng/ul m

response 6929

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 184.00 | 100.00 | 100.00 |
| 63.00  | 82.00  | 68.98  |
| 154.00 | 67.30  | 72.87  |
| 0.00   | 0.00   | 0.00   |

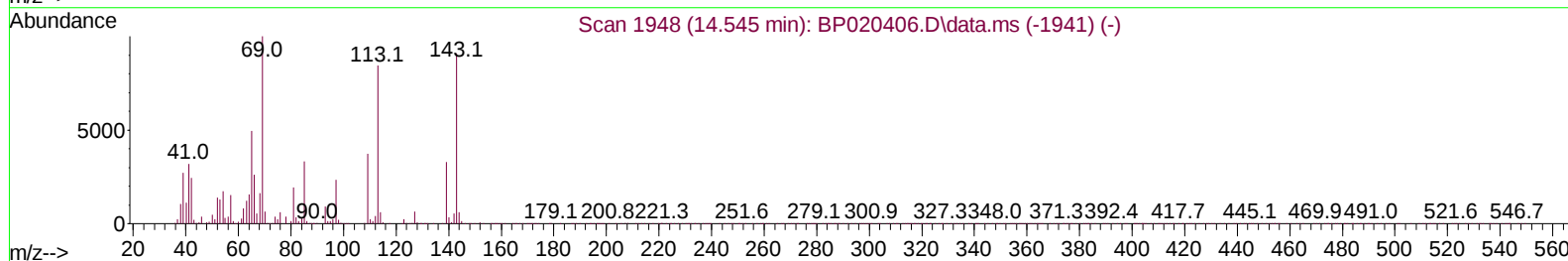
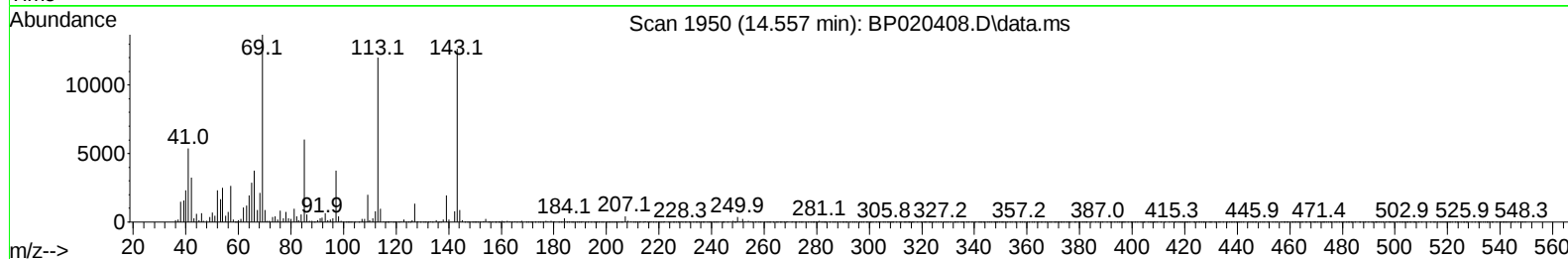
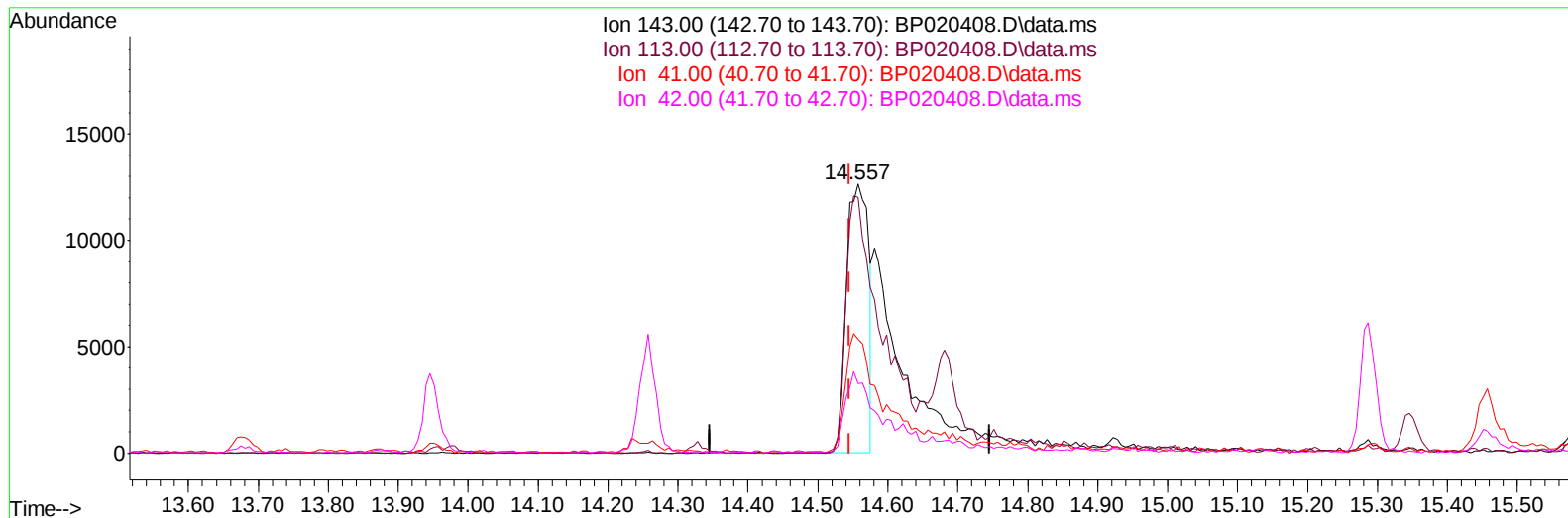
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051624\  
Data File : BP020408.D  
Acq On : 16 May 2024 12:12  
Operator : MA/JU  
Sample : P2409-01  
Misc : SFAM-MDL-WATER-01  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-WATER-QT2-2024-03

## Manual IntegrationsAPPROVED

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Quant Title : SVOA CALIBRATION  
QLast Update : Thu May 16 10:48:40 2024  
Response via : Initial Calibration



TIC: BP020408.D\data.ms

**(54) 4-Nitrophenol-d4 (S)****14.557min (+ 0.012) 10.51 ng/ul****response 27959**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 101.40 | 95.12  |
| 41.00  | 50.30  | 42.42  |
| 42.00  | 32.50  | 25.75# |

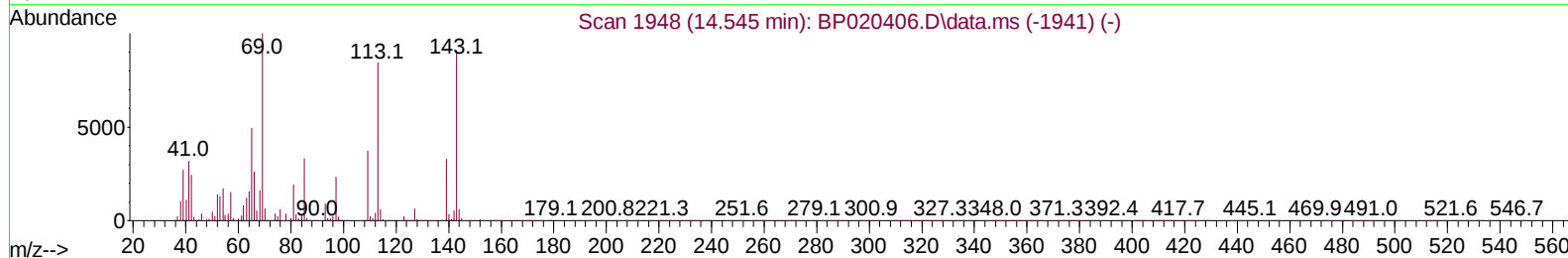
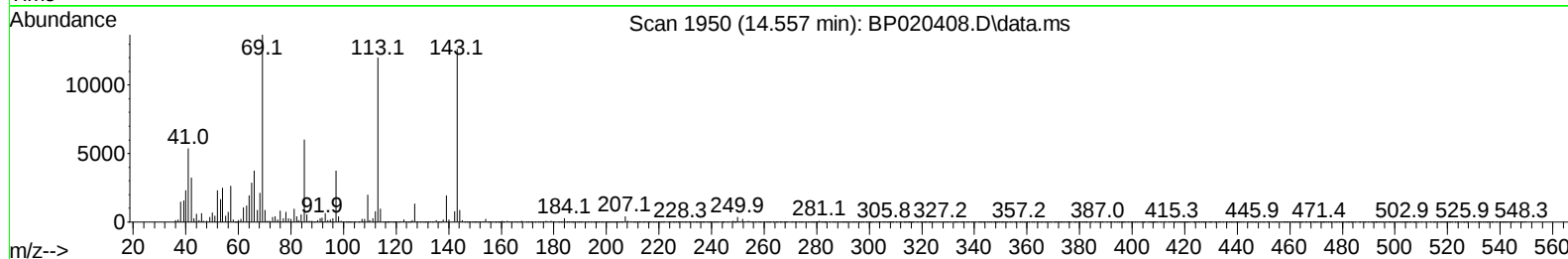
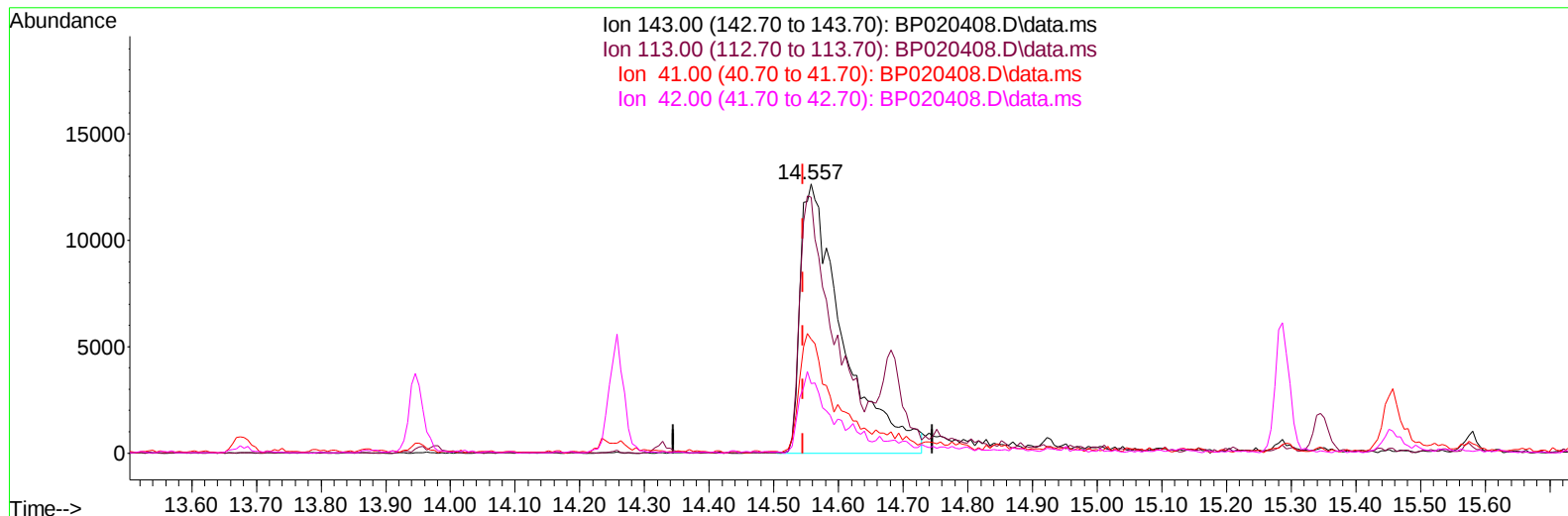
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051624\  
Data File : BP020408.D  
Acq On : 16 May 2024 12:12  
Operator : MA/JU  
Sample : P2409-01  
Misc : SFAM-MDL-WATER-01  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-WATER-QT2-2024-03

## Manual IntegrationsAPPROVED

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Quant Title : SVOA CALIBRATION  
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Response via : Initial Calibration



TIC: BP020408.D\data.ms

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

14.557min (+ 0.012) 21.51 ng/ul m

response 57229

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 101.40 | 95.12  |
| 41.00  | 50.30  | 42.42  |
| 42.00  | 32.50  | 25.75# |

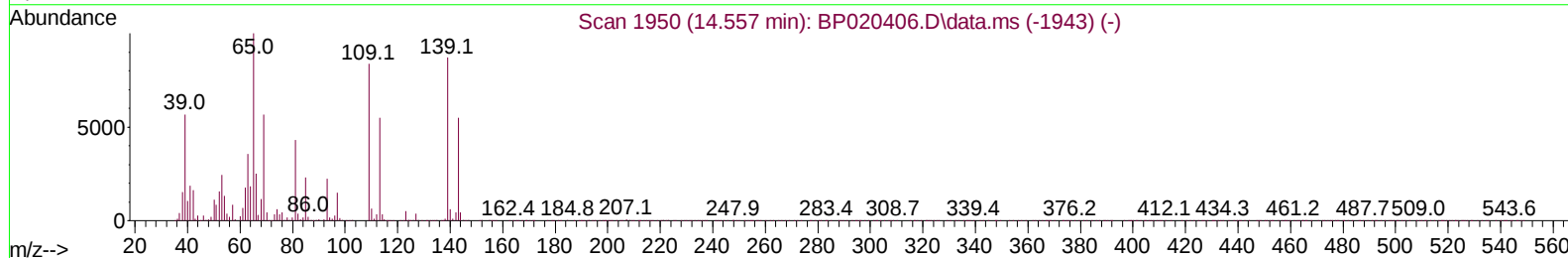
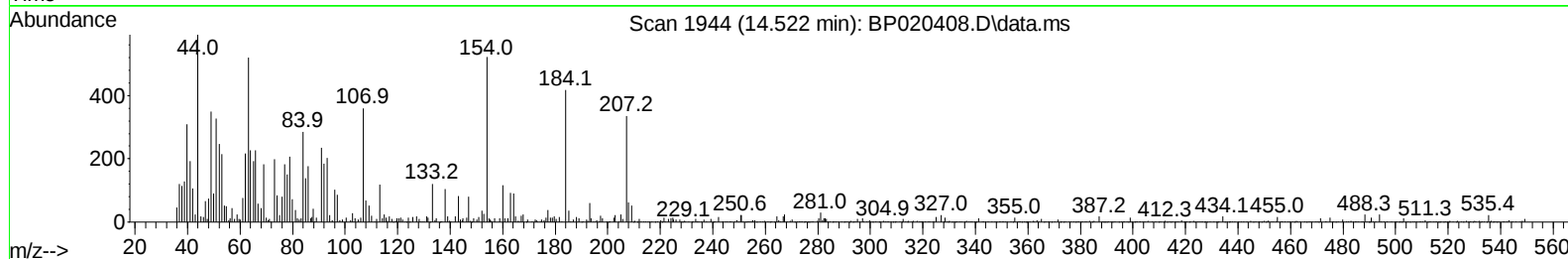
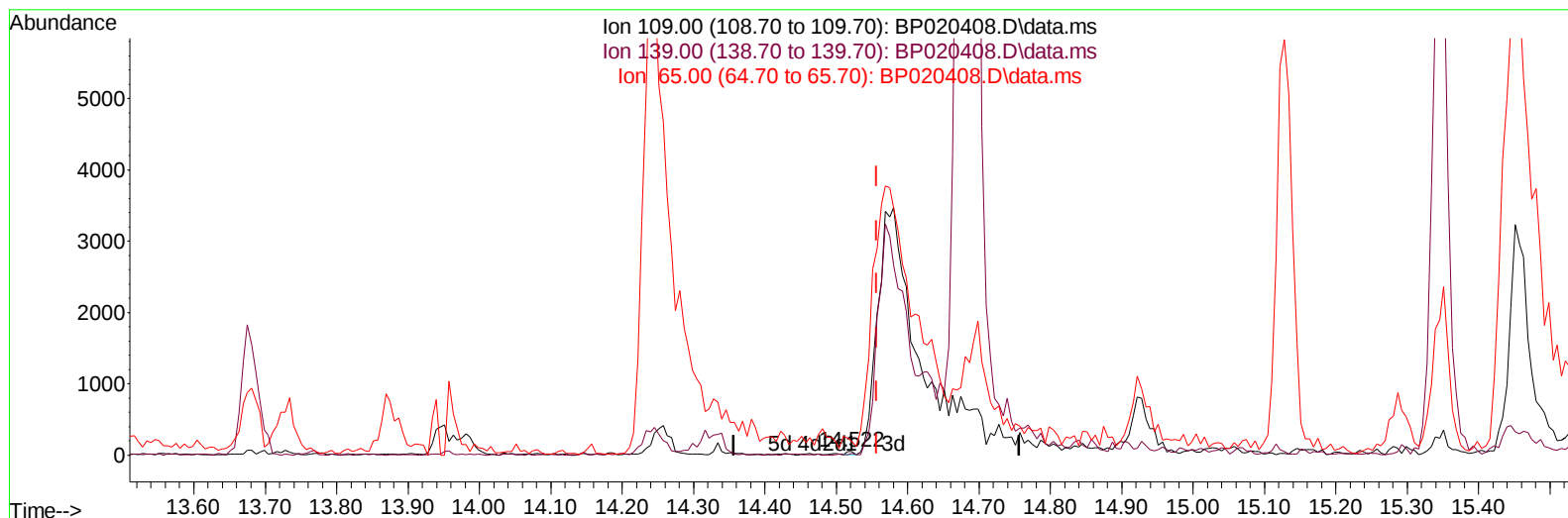
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051624\  
 Data File : BP020408.D  
 Acq On : 16 May 2024 12:12  
 Operator : MA/JU  
 Sample : P2409-01  
 Misc : SFAM-MDL-WATER-01  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-WATER-QT2-2024-03

Manual IntegrationsAPPROVED

Quant Time: May 16 12:49:24 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 16 10:48:40 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/17/2024  
 Supervised By :mohammad ahmed 05/18/2024



TIC: BP020408.D\data.ms

**(55) 4-Nitrophenol**

**14.522min (-0.035) 0.01 ng/u1**

**response 31**

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 109.00 | 100.00 | 100.00  |
| 139.00 | 98.00  | 44.23#  |
| 65.00  | 127.20 | 371.15# |
| 0.00   | 0.00   | 0.00    |

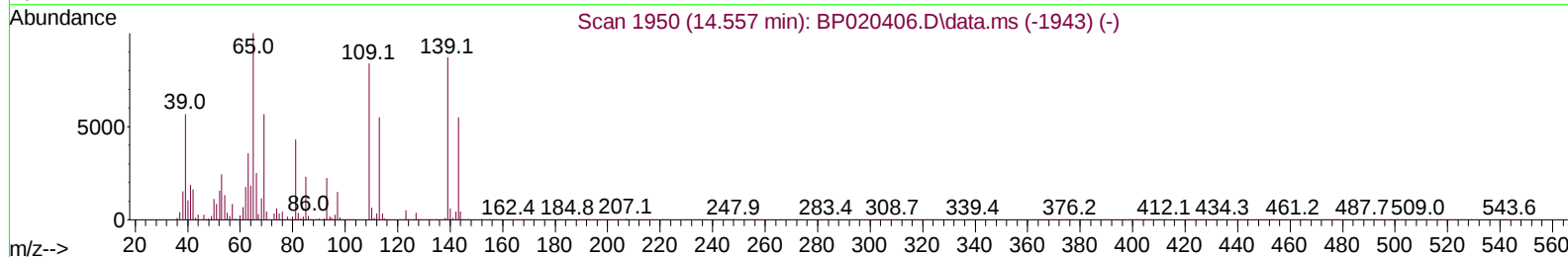
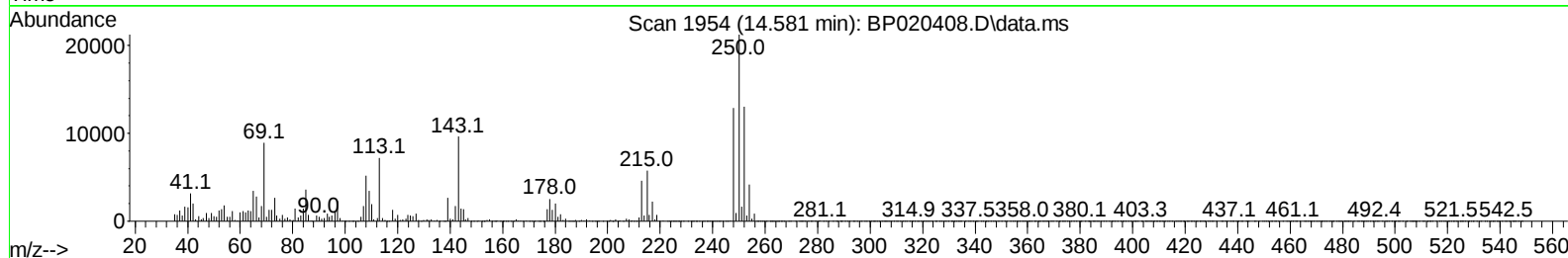
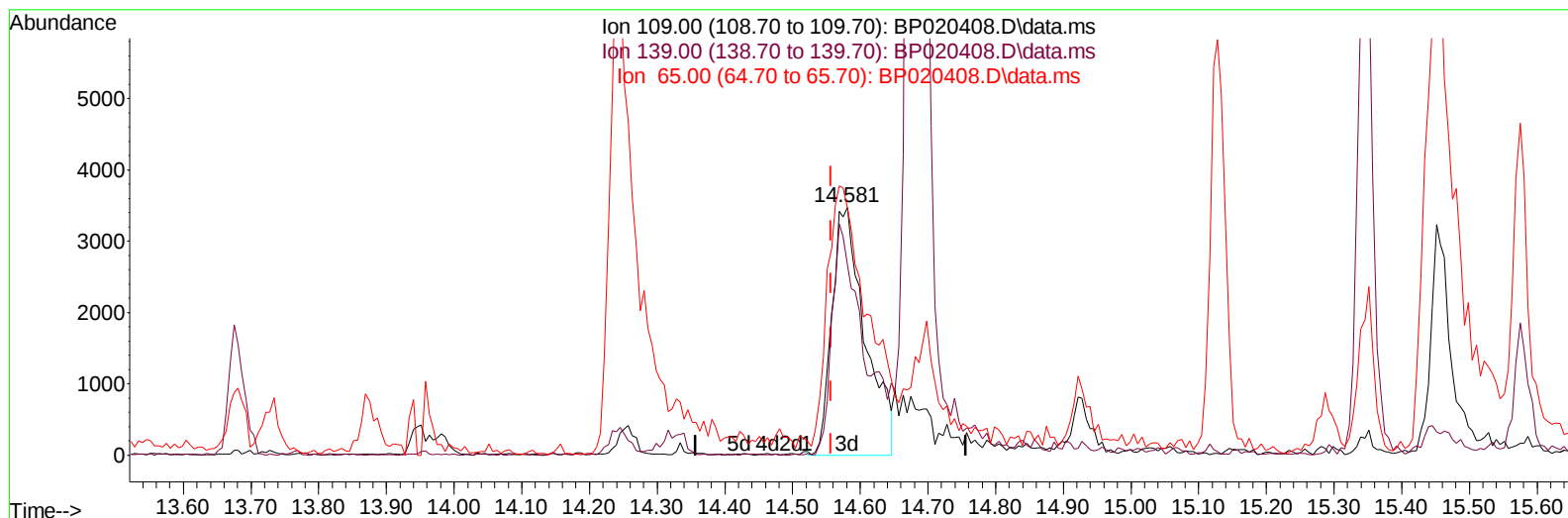
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 Data File : BP020408.D  
 Acq On : 16 May 2024 12:12  
 Operator : MA/JU  
 Sample : P2409-01  
 Misc : SFAM-MDL-WATER-01  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-WATER-QT2-2024-03

Manual IntegrationsAPPROVED

Quant Time: May 16 12:49:24 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 16 10:48:40 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/17/2024  
 Supervised By :mohammad ahmed 05/18/2024



TIC: BP020408.D\data.ms

**(55) 4-Nitrophenol**

**14.581min (+ 0.024) 4.26 ng/ul m**

**response 11793**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 109.00 | 100.00 | 100.00 |
| 139.00 | 98.00  | 76.66# |
| 65.00  | 127.20 | 99.71# |
| 0.00   | 0.00   | 0.00   |

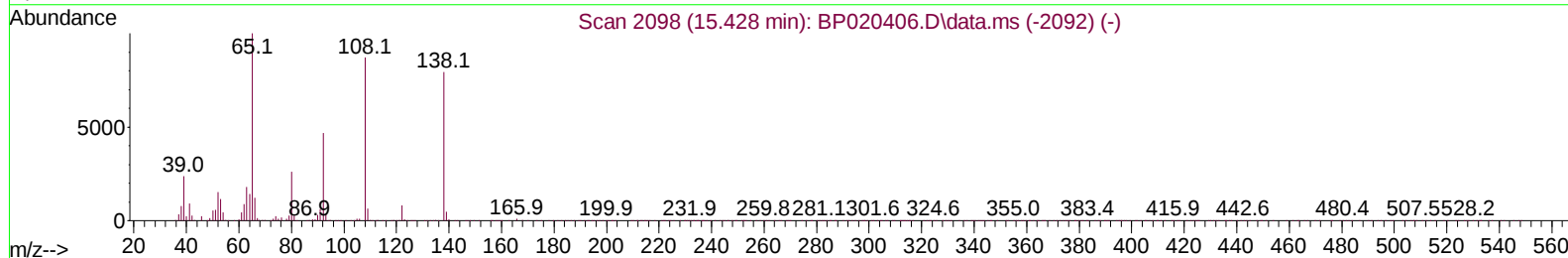
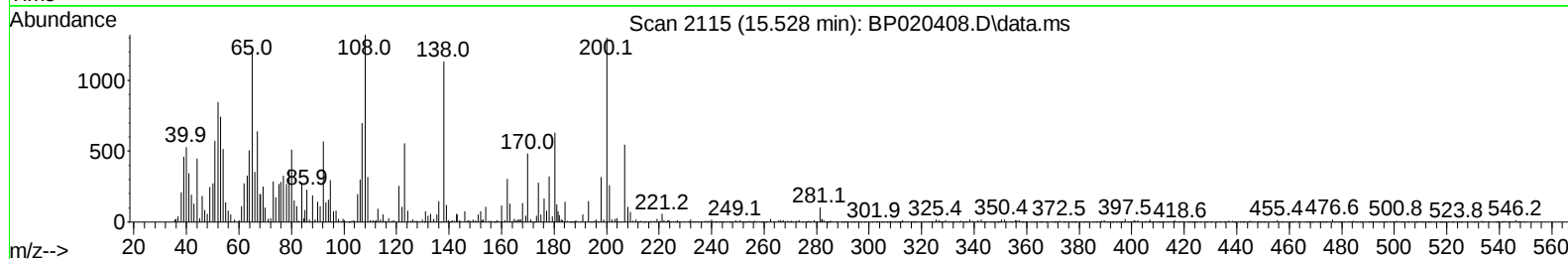
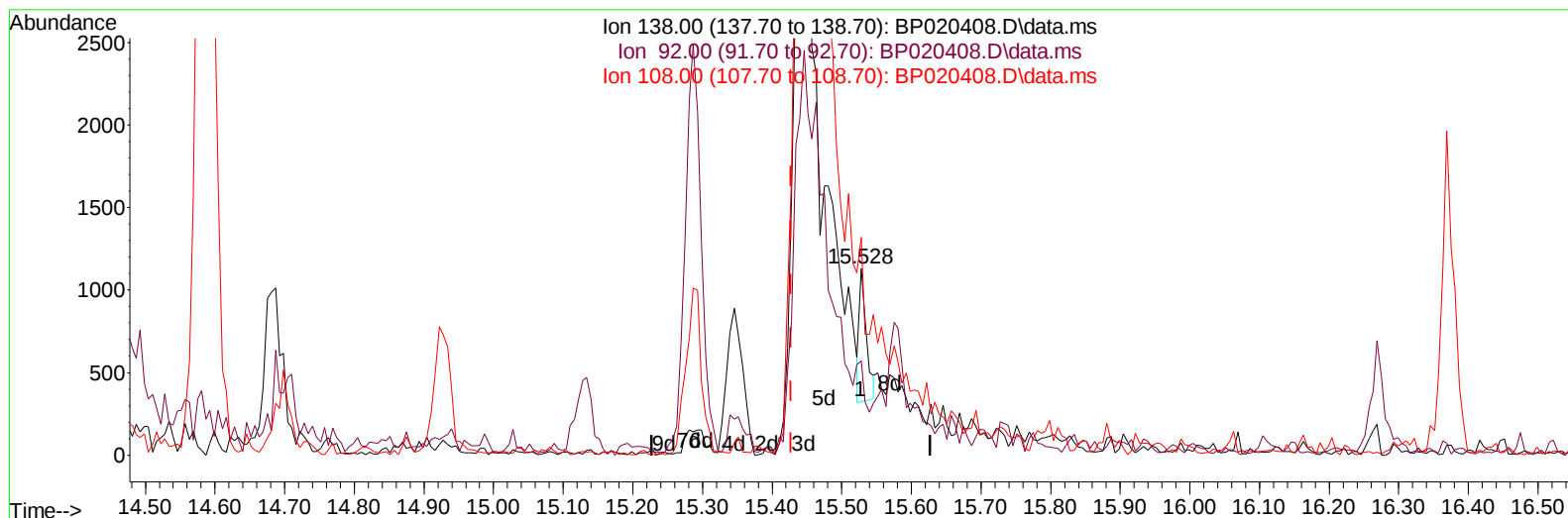
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051624\  
 Data File : BP020408.D  
 Acq On : 16 May 2024 12:12  
 Operator : MA/JU  
 Sample : P2409-01  
 Misc : SFAM-MDL-WATER-01  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-WATER-QT2-2024-03

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024  
 Supervised By :mohammad ahmed 05/18/2024

Quant Time: May 16 12:49:24 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 16 10:48:40 2024  
 Response via : Initial Calibration



TIC: BP020408.D\data.ms

## (63) 4-Nitroaniline

15.528min (+ 0.100) 0.21 ng/ul

response 571

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 138.00 | 100.00 | 100.00 |
| 92.00  | 59.50  | 50.40  |
| 108.00 | 113.10 | 116.71 |
| 0.00   | 0.00   | 0.00   |

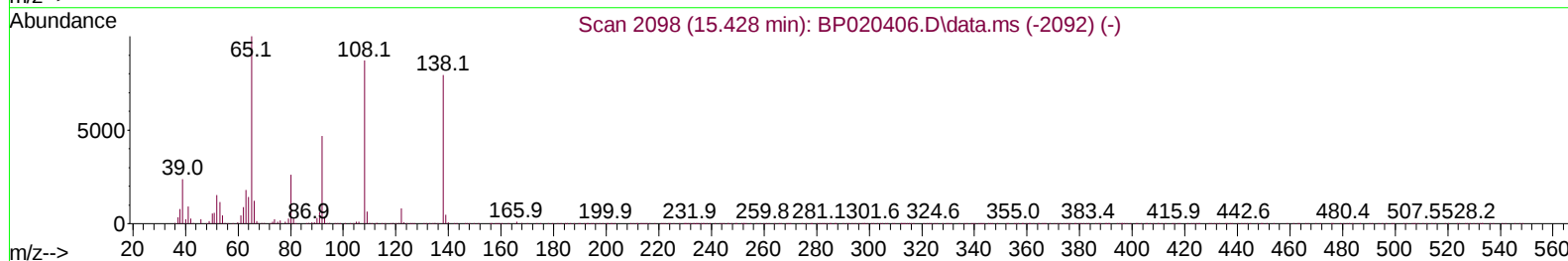
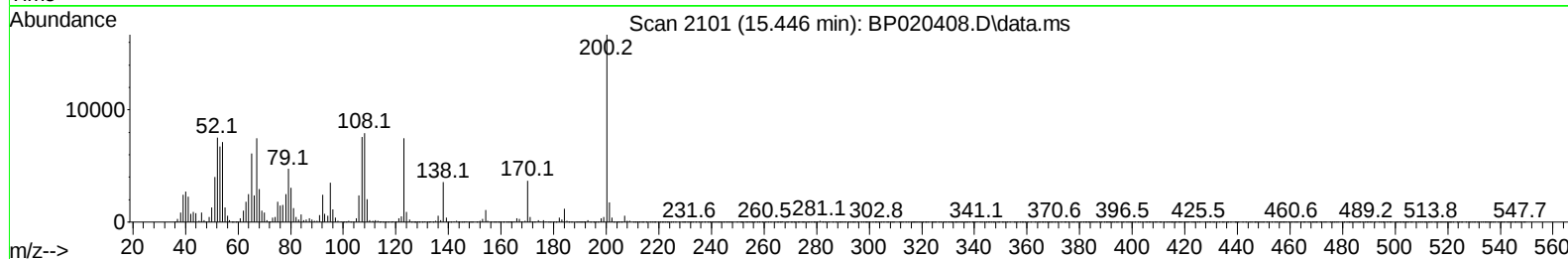
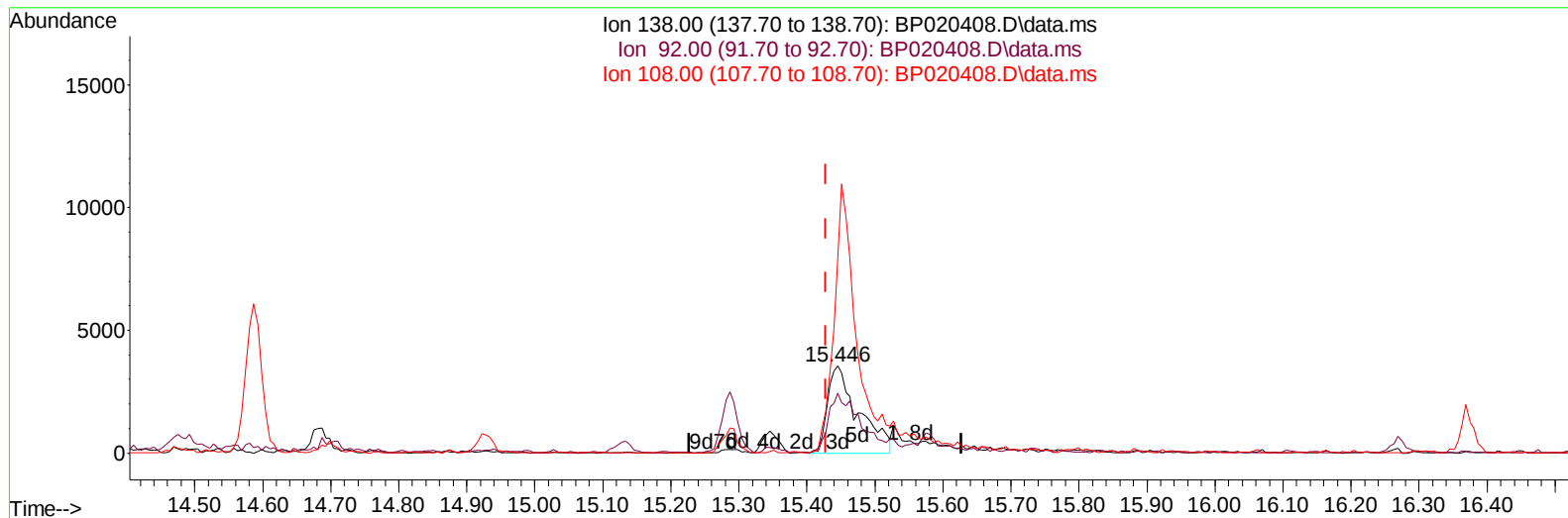
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051624\  
Data File : BP020408.D  
Acq On : 16 May 2024 12:12  
Operator : MA/JU  
Sample : P2409-01  
Misc : SFAM-MDL-WATER-01  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-WATER-QT2-2024-03

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024  
Supervised By :mohammad ahmed 05/18/2024

Quant Time: May 16 12:49:24 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu May 16 10:48:40 2024  
Response via : Initial Calibration



TIC: BP020408.D\data.ms

**(63) 4-Nitroaniline**

15.446min (+ 0.018) 4.18 ng/ul m

response 11290

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 138.00 | 100.00 | 100.00  |
| 92.00  | 59.50  | 69.12   |
| 108.00 | 113.10 | 223.82# |
| 0.00   | 0.00   | 0.00    |

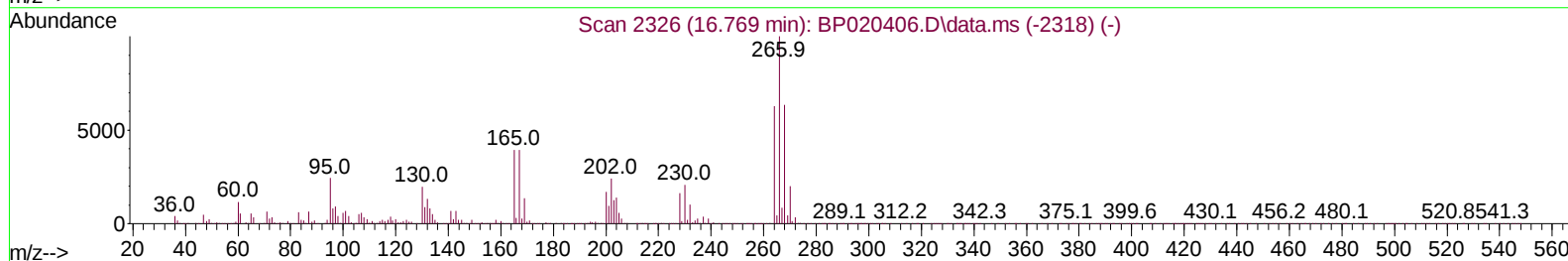
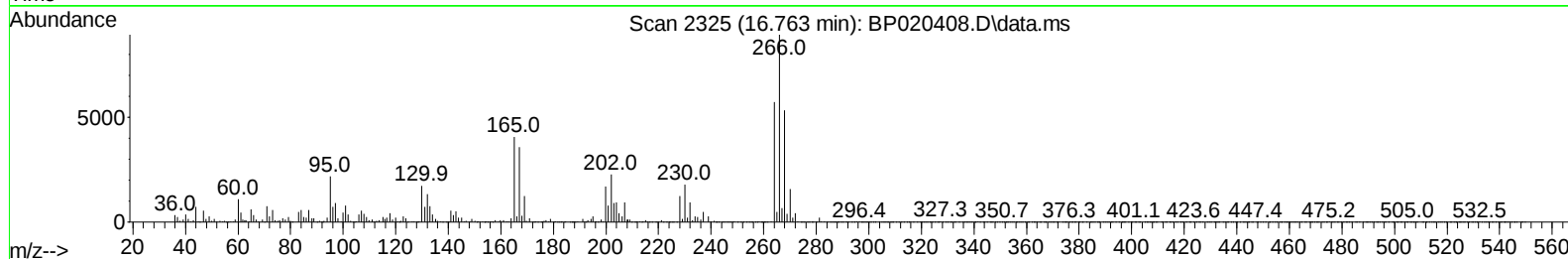
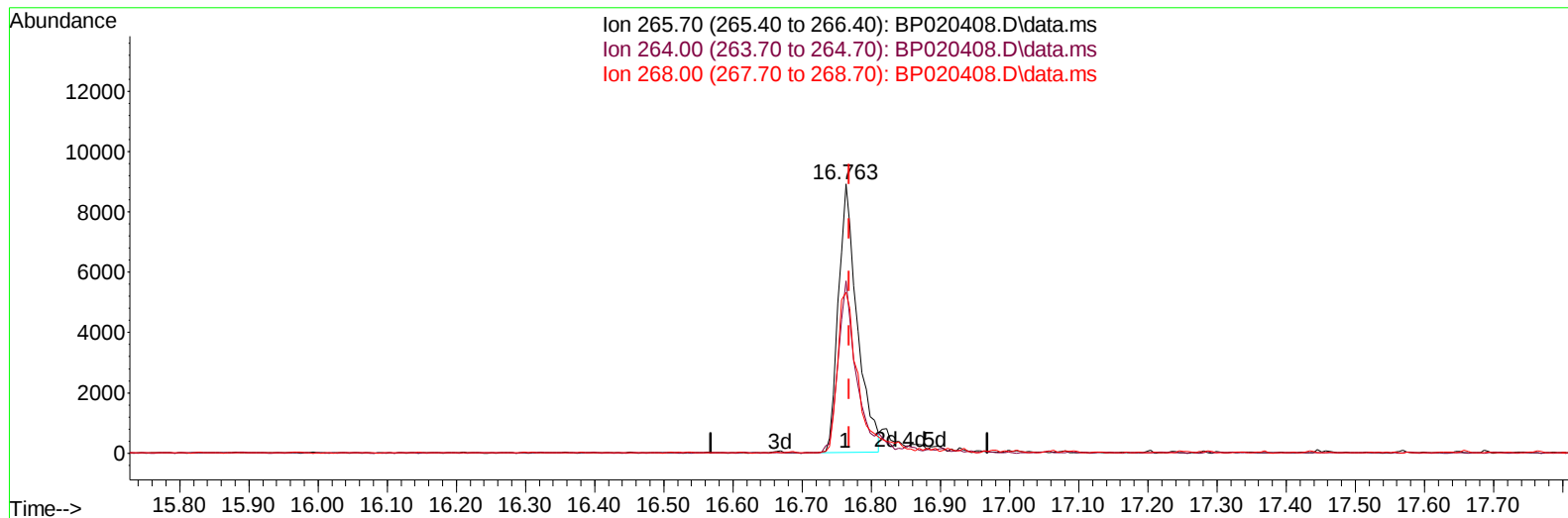
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051624\  
Data File : BP020408.D  
Acq On : 16 May 2024 12:12  
Operator : MA/JU  
Sample : P2409-01  
Misc : SFAM-MDL-WATER-01  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-WATER-QT2-2024-03

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024  
Supervised By :mohammad ahmed 05/18/2024

Quant Time: May 16 12:49:24 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu May 16 10:48:40 2024  
Response via : Initial Calibration



TIC: BP020408.D\data.ms

## (71) Pentachlorophenol (C)

16.763min (-0.006) 3.85 ng/u1

response 16791

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 264.00 | 62.20  | 64.12  |
| 268.00 | 63.00  | 59.68  |
| 0.00   | 0.00   | 0.00   |

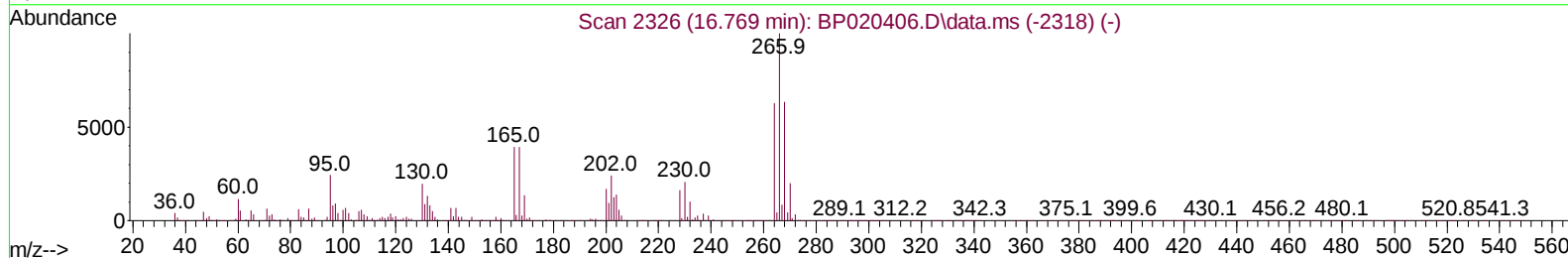
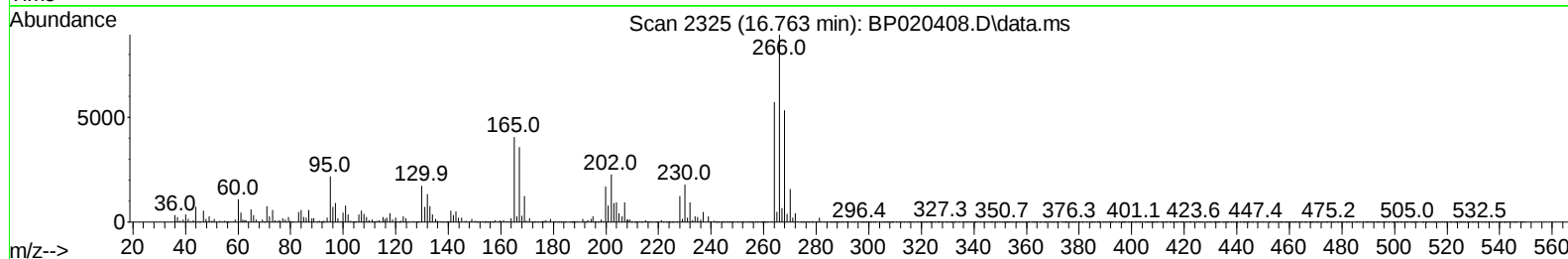
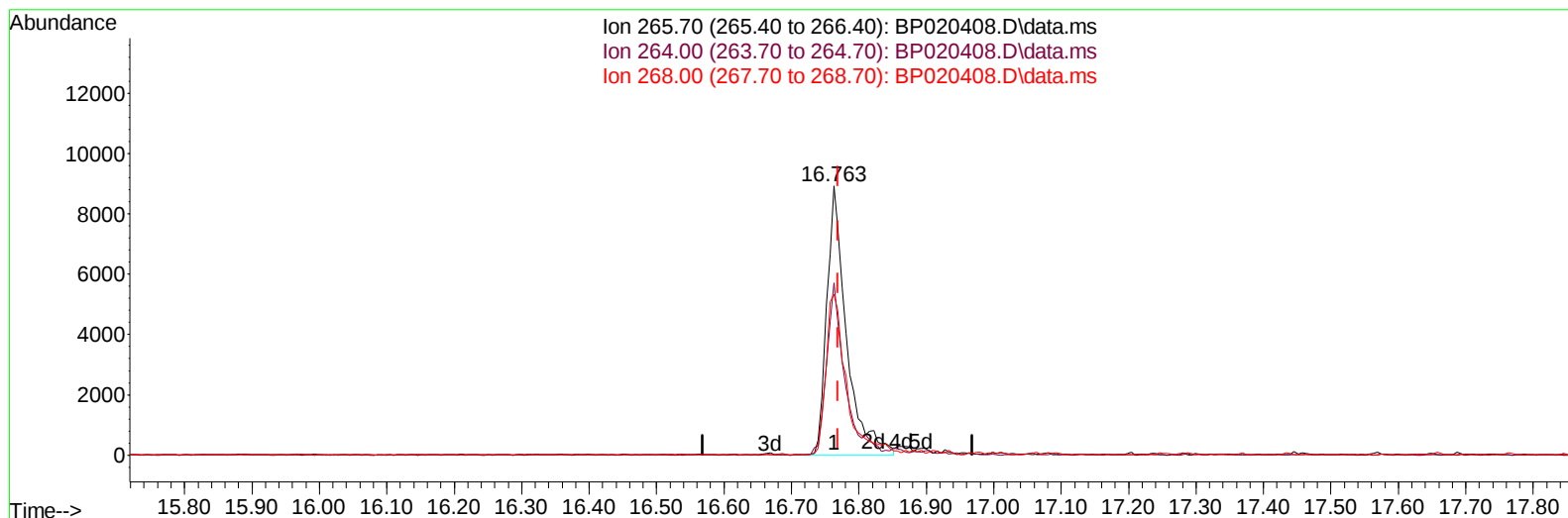
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051624\  
 Data File : BP020408.D  
 Acq On : 16 May 2024 12:12  
 Operator : MA/JU  
 Sample : P2409-01  
 Misc : SFAM-MDL-WATER-01  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-WATER-QT2-2024-03

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024  
 Supervised By :mohammad ahmed 05/18/2024

Quant Time: May 16 12:49:24 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 16 10:48:40 2024  
 Response via : Initial Calibration



TIC: BP020408.D\data.ms

## (71) Pentachlorophenol (C)

16.763min (-0.006) 4.14 ng/ul m

response 18085

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 264.00 | 62.20  | 64.12  |
| 268.00 | 63.00  | 59.68  |
| 0.00   | 0.00   | 0.00   |

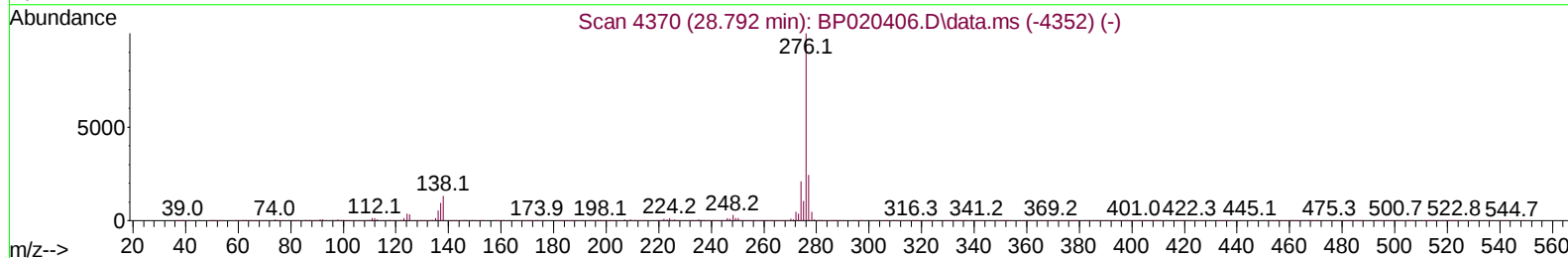
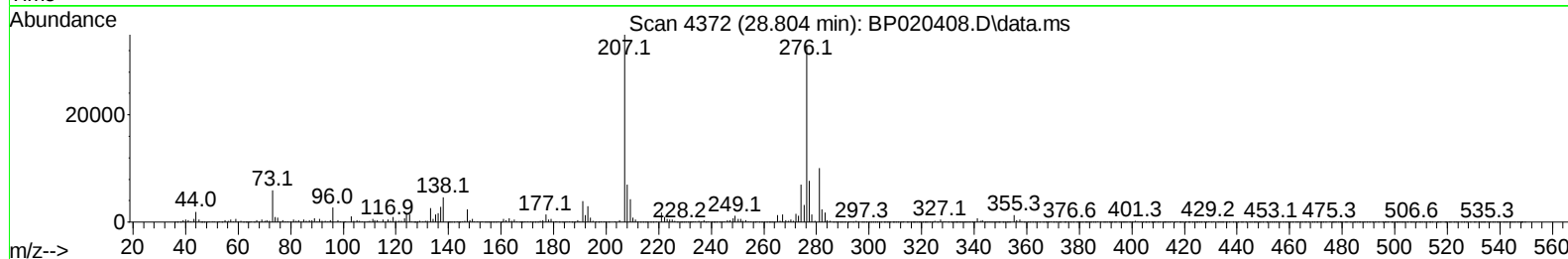
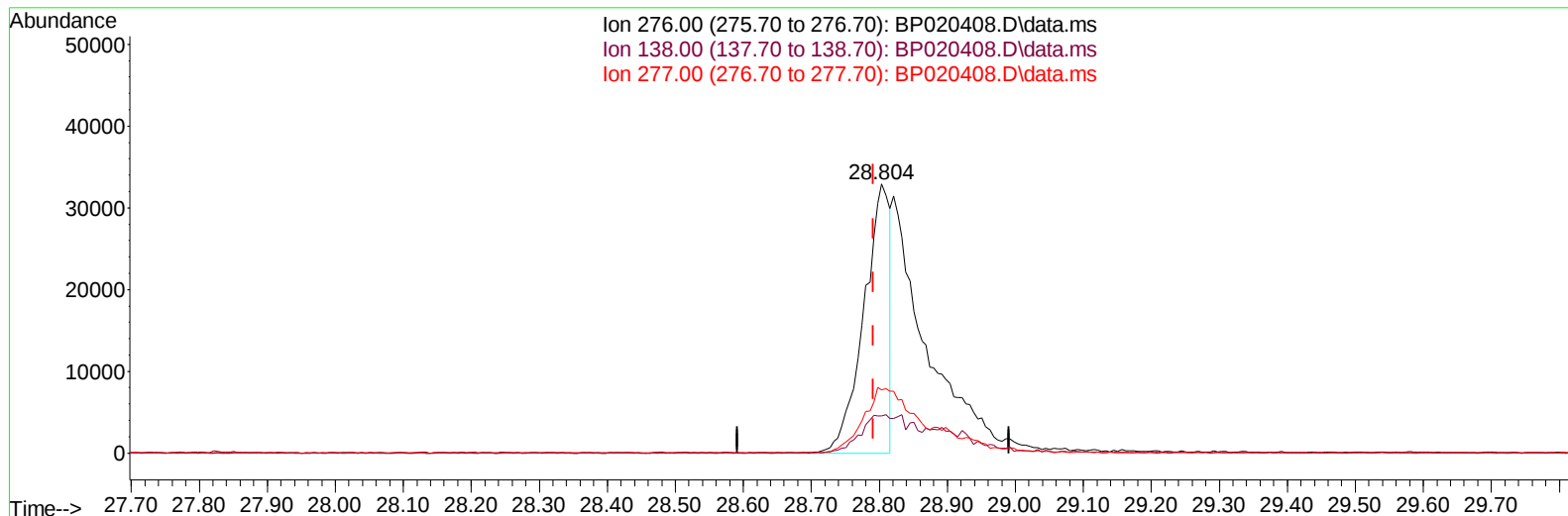
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051624\  
 Data File : BP020408.D  
 Acq On : 16 May 2024 12:12  
 Operator : MA/JU  
 Sample : P2409-01  
 Misc : SFAM-MDL-WATER-01  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-WATER-QT2-2024-03

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024  
 Supervised By :mohammad ahmed 05/18/2024

Quant Time: May 16 12:49:24 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 16 10:48:40 2024  
 Response via : Initial Calibration



TIC: BP020408.D\data.ms

## (94) Indeno(1,2,3-cd)pyrene

28.804min (+ 0.012) 1.97 ng/u1

response 87445

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 15.40  | 13.89  |
| 277.00 | 23.70  | 23.59  |
| 0.00   | 0.00   | 0.00   |

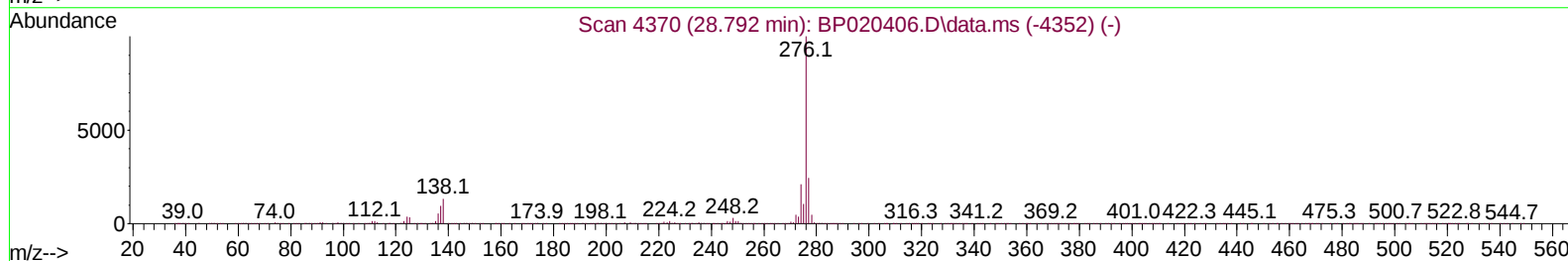
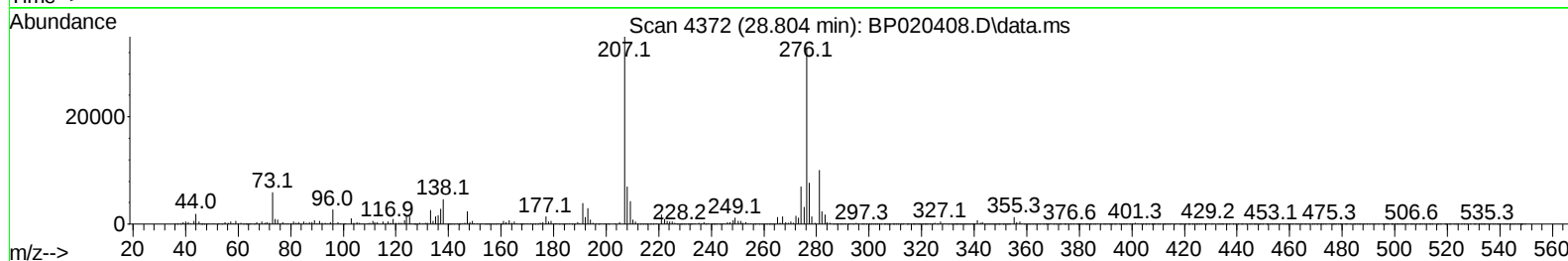
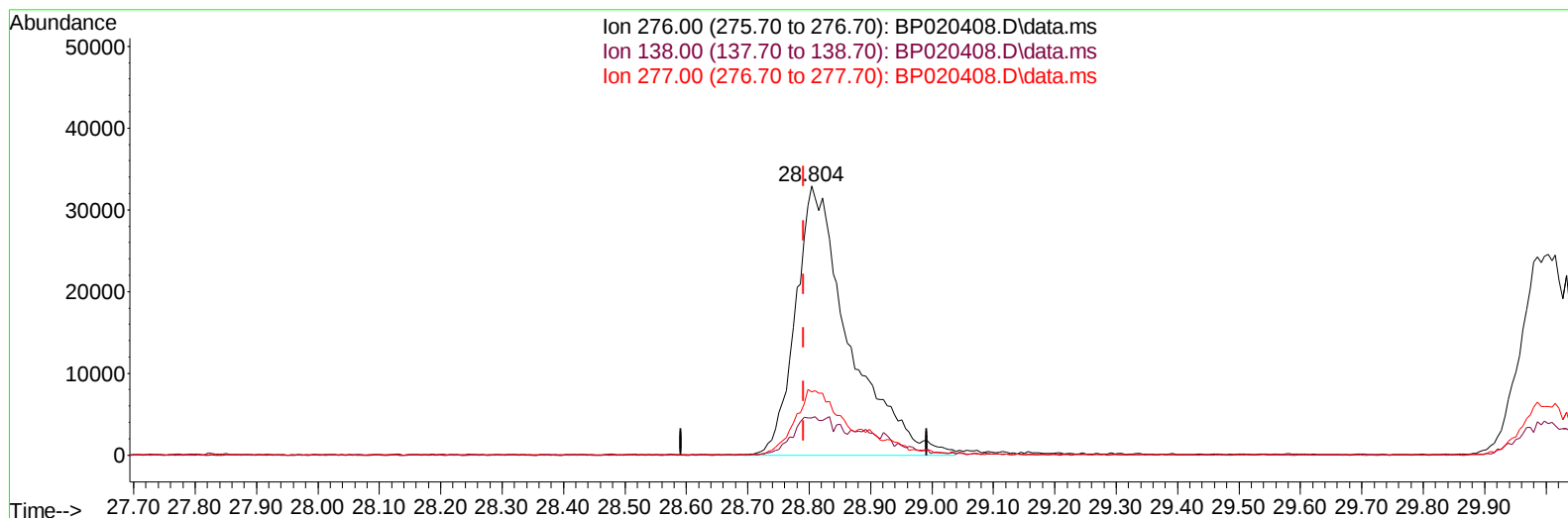
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051624\  
Data File : BP020408.D  
Acq On : 16 May 2024 12:12  
Operator : MA/JU  
Sample : P2409-01  
Misc : SFAM-MDL-WATER-01  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-WATER-QT2-2024-03

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024  
Supervised By :mohammad ahmed 05/18/2024

Quant Time: May 16 12:49:24 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu May 16 10:48:40 2024  
Response via : Initial Calibration



TIC: BP020408.D\data.ms

## (94) Indeno(1,2,3-cd)pyrene

28.804min (+ 0.012) 4.48 ng/ul m

response 198718

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 15.40  | 13.89  |
| 277.00 | 23.70  | 23.59  |
| 0.00   | 0.00   | 0.00   |

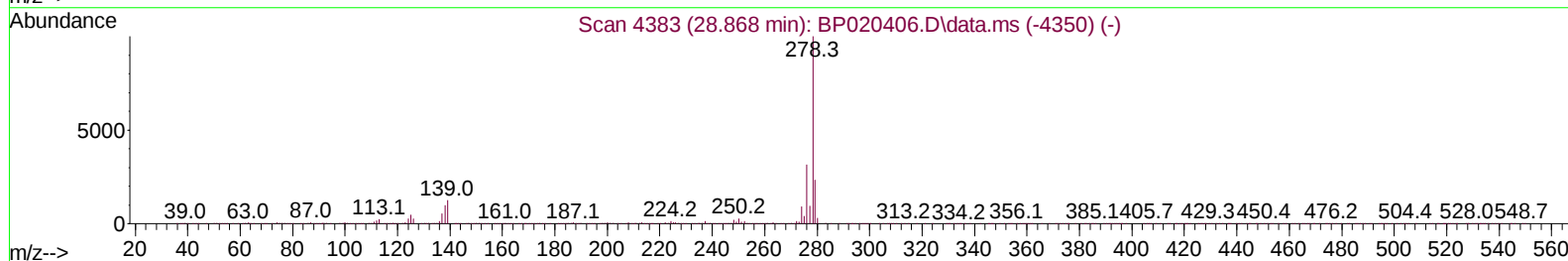
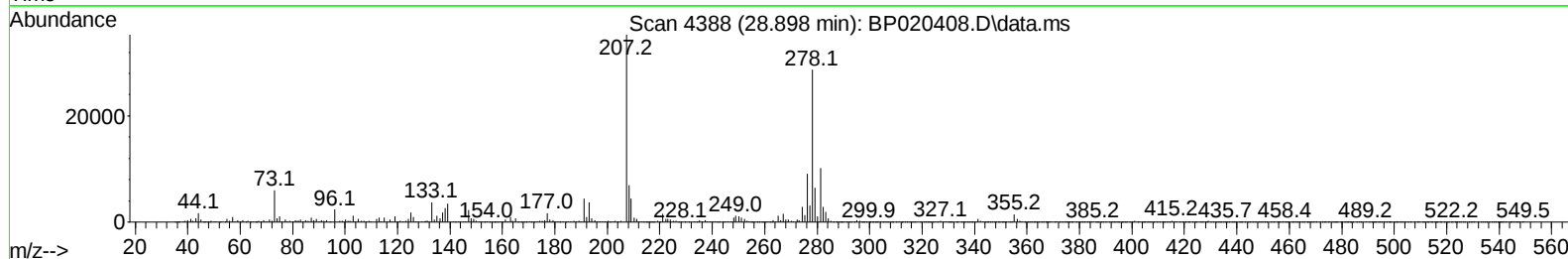
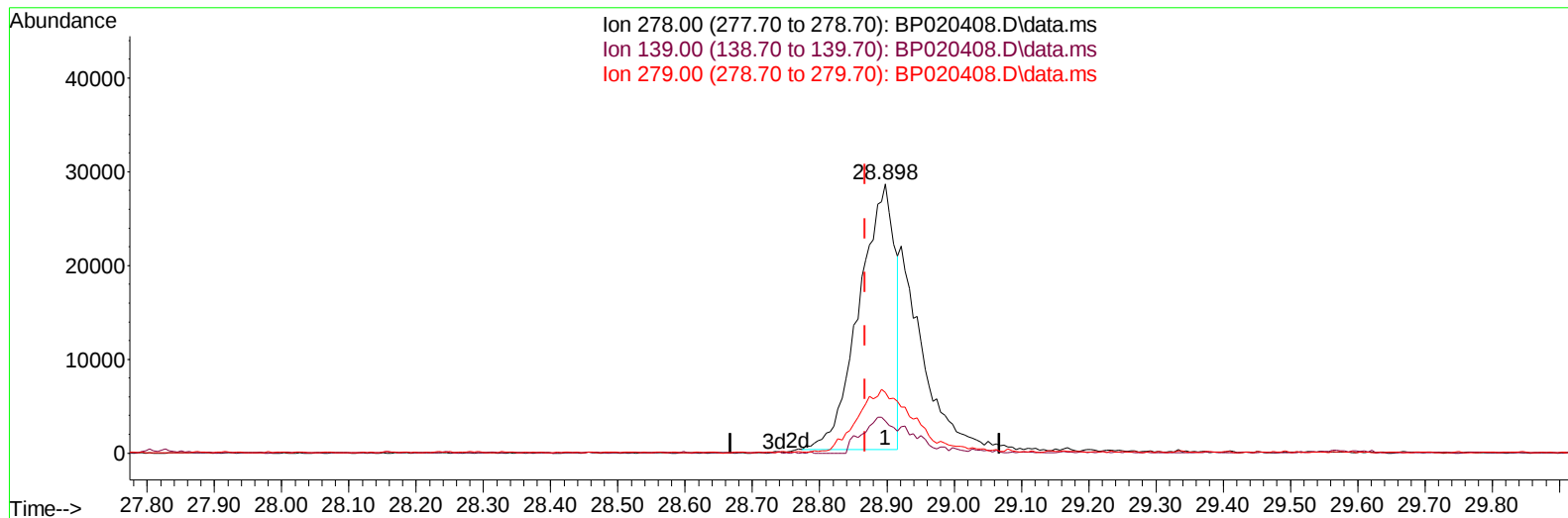
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051624\  
Data File : BP020408.D  
Acq On : 16 May 2024 12:12  
Operator : MA/JU  
Sample : P2409-01  
Misc : SFAM-MDL-WATER-01  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-WATER-QT2-2024-03

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024  
Supervised By :mohammad ahmed 05/18/2024

Quant Time: May 16 12:49:24 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu May 16 10:48:40 2024  
Response via : Initial Calibration



TIC: BP020408.D\data.ms

**(95) Dibenzo(a,h)anthracene****28.898min (+ 0.030) 2.85 ng/u1****response 104513**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 12.70  | 12.03  |
| 279.00 | 24.10  | 22.43  |
| 0.00   | 0.00   | 0.00   |

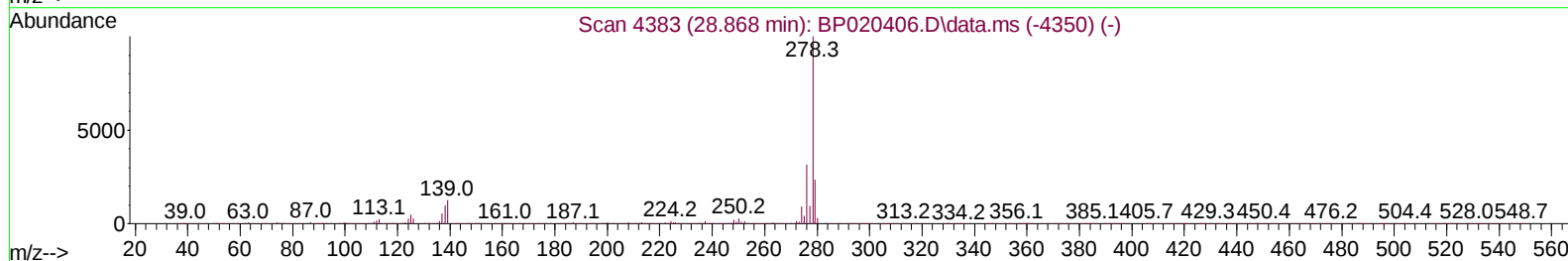
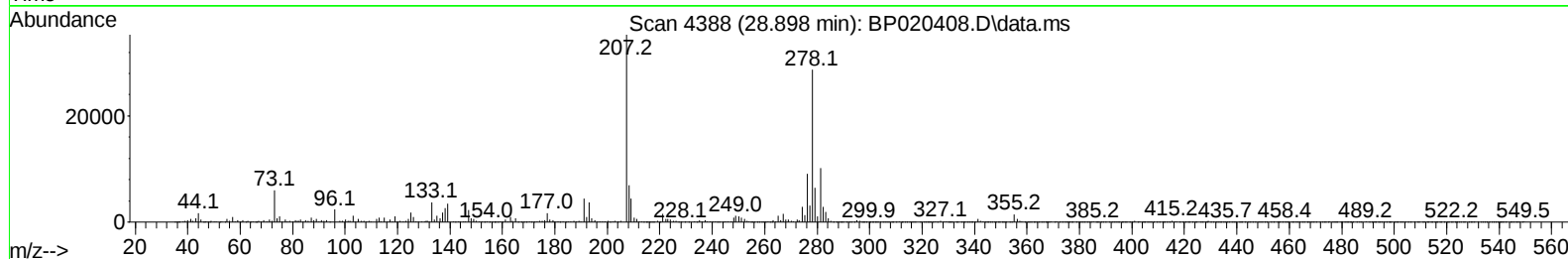
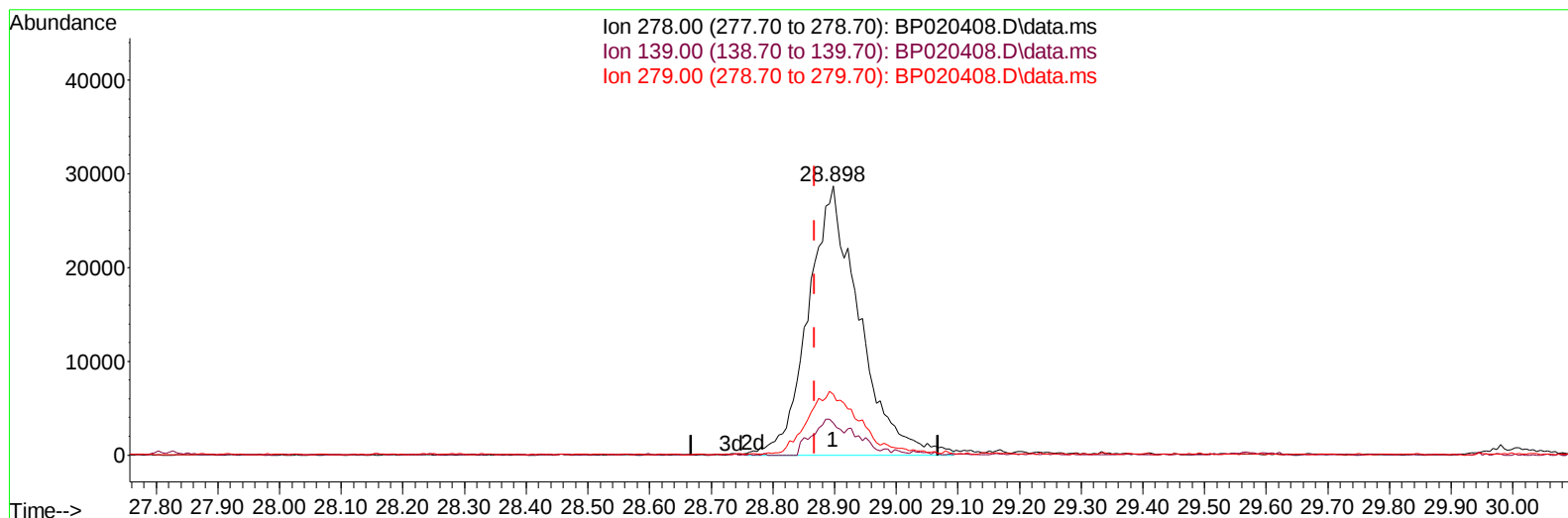
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051624\  
 Data File : BP020408.D  
 Acq On : 16 May 2024 12:12  
 Operator : MA/JU  
 Sample : P2409-01  
 Misc : SFAM-MDL-WATER-01  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-WATER-QT2-2024-03

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024  
 Supervised By :mohammad ahmed 05/18/2024

Quant Time: May 16 12:49:24 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 16 10:48:40 2024  
 Response via : Initial Calibration



TIC: BP020408.D\data.ms

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

28.898min (+ 0.030) 4.49 ng/ul m

response 164908

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 12.70  | 12.03  |
| 279.00 | 24.10  | 22.43  |
| 0.00   | 0.00   | 0.00   |

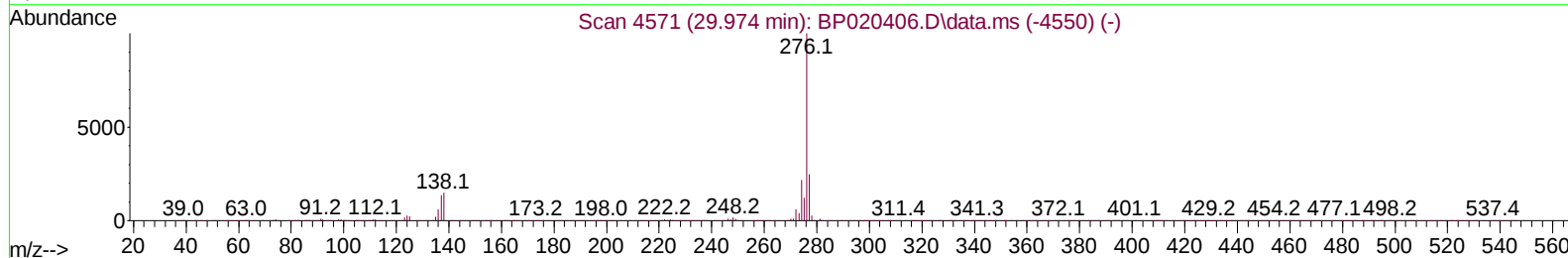
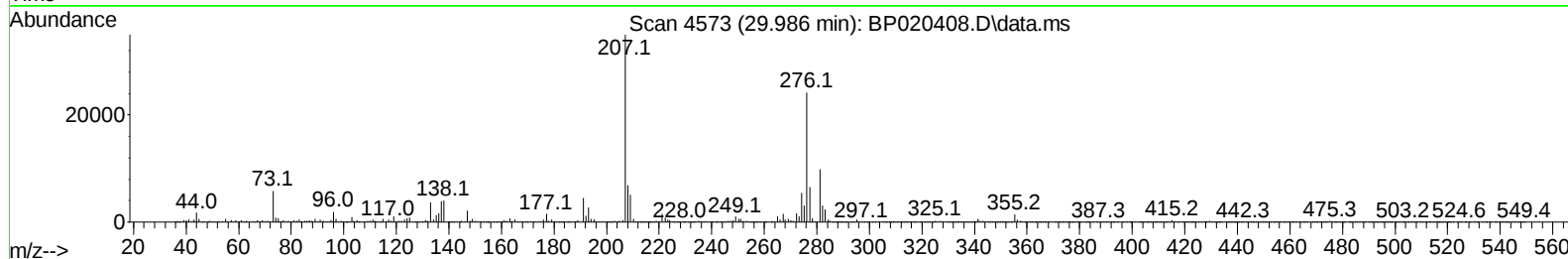
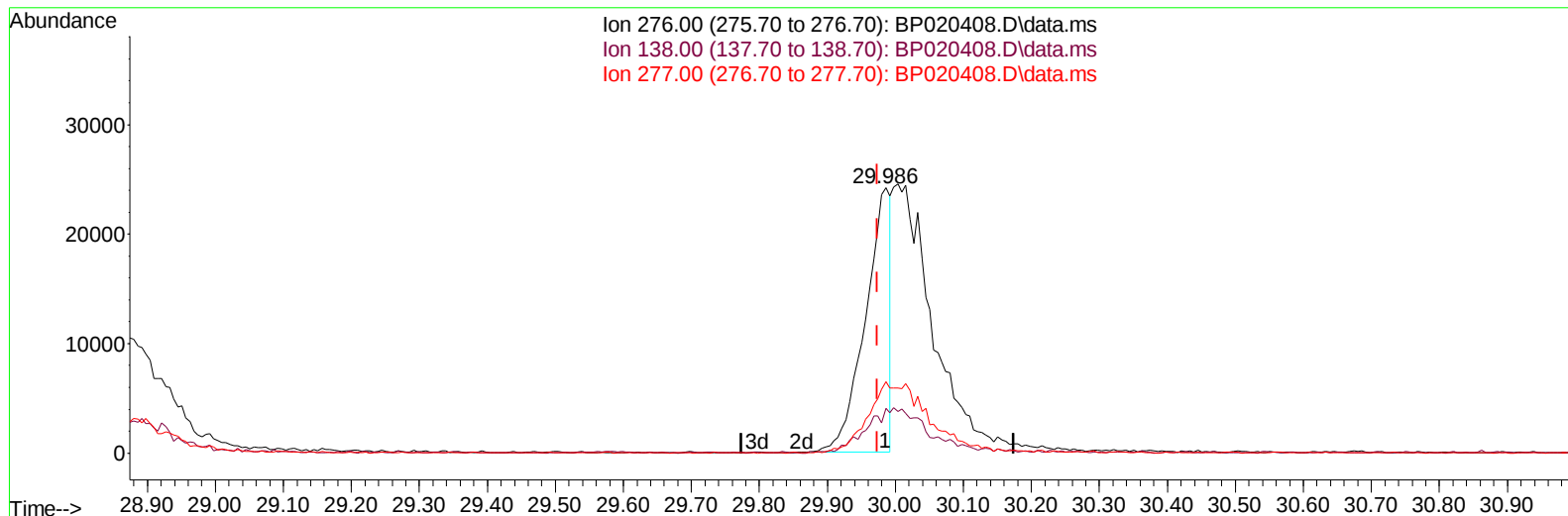
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051624\  
Data File : BP020408.D  
Acq On : 16 May 2024 12:12  
Operator : MA/JU  
Sample : P2409-01  
Misc : SFAM-MDL-WATER-01  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-WATER-QT2-2024-03

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024  
Supervised By :mohammad ahmed 05/18/2024

Quant Time: May 16 12:49:24 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu May 16 10:48:40 2024  
Response via : Initial Calibration



TIC: BP020408.D\data.ms

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

29.986min (+ 0.012) 1.73 ng/u1

response 62064

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 14.50  | 16.87  |
| 277.00 | 24.20  | 26.93  |
| 0.00   | 0.00   | 0.00   |

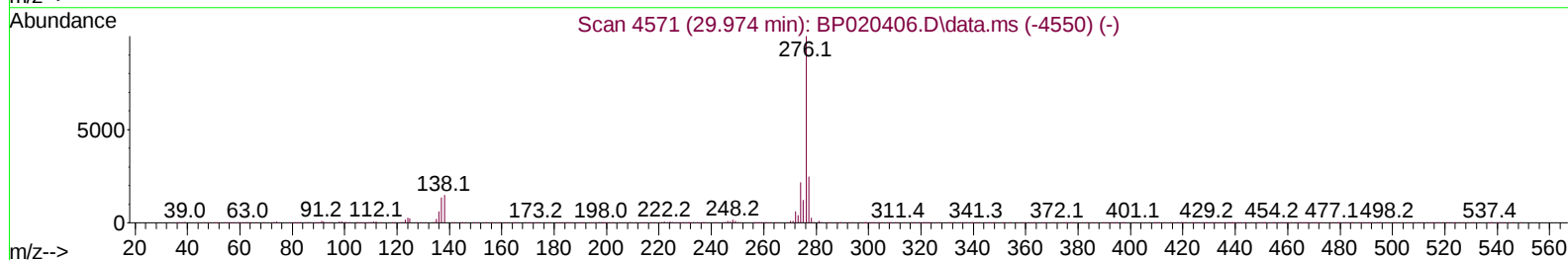
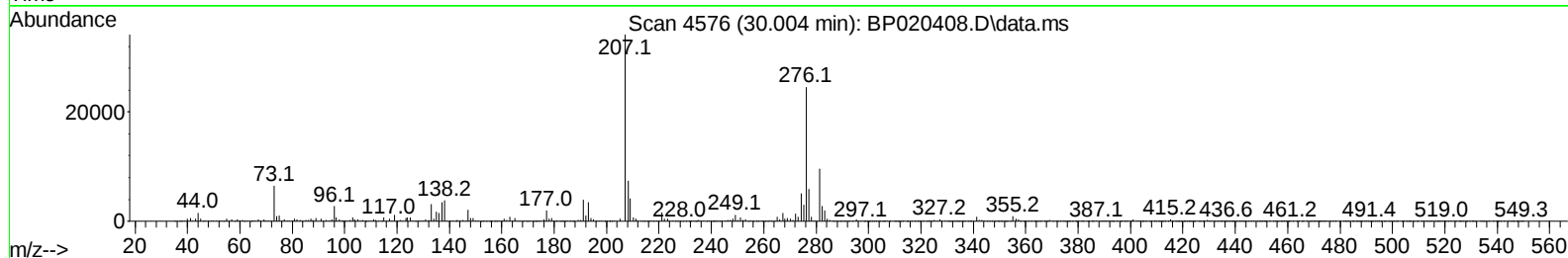
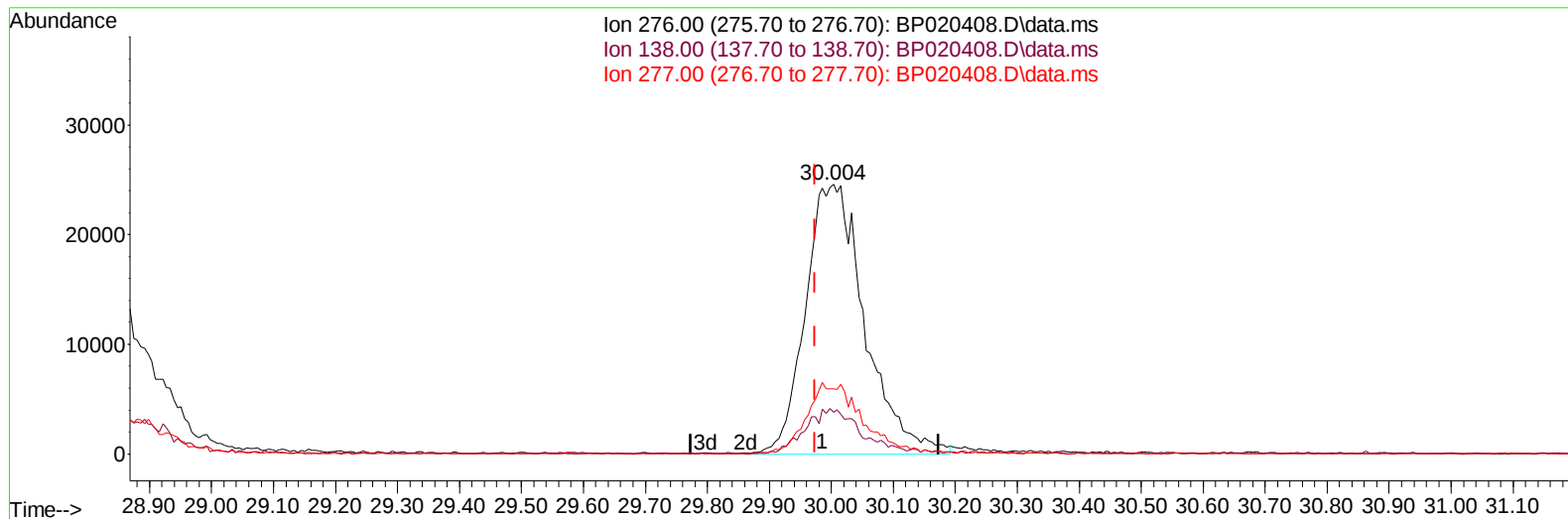
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051624\  
Data File : BP020408.D  
Acq On : 16 May 2024 12:12  
Operator : MA/JU  
Sample : P2409-01  
Misc : SFAM-MDL-WATER-01  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-WATER-QT2-2024-03

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024  
Supervised By :mohammad ahmed 05/18/2024

Quant Time: May 16 12:49:24 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu May 16 10:48:40 2024  
Response via : Initial Calibration



TIC: BP020408.D\data.ms

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

30.004min (+ 0.030) 4.55 ng/u1 m

response 163029

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 14.50  | 15.57  |
| 277.00 | 24.20  | 24.23  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051624\  
 Data File : BP020408.D  
 Acq On : 16 May 2024 12:12  
 Operator : MA/JU  
 Sample : P2409-01  
 Misc : SFAM-MDL-WATER-01  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-WATER-QT2-2024-03

Quant Time: May 16 12:56:25 2024  
 Quant Title :  
 QLast Update : Thu May 16 10:48:40 2024  
 Response via : Initial Calibration

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024  
 Supervised By :mohammad ahmed 05/18/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.575  | 152  | 77465    | 20.000 | ng/ul  | -0.01    |
| 20) Naphthalene-d8            | 10.346 | 136  | 328046   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.257 | 164  | 237061   | 20.000 | ng/ul  | -0.02    |
| 64) Phenanthrene-d10          | 17.104 | 188  | 575421   | 20.000 | ng/ul  | -0.02    |
| 79) Chrysene-d12              | 21.616 | 240  | 591268   | 20.000 | ng/ul  | -0.01    |
| 88) Perylene-d12              | 24.980 | 264  | 639752   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.181  | 96   | 7955     | 4.337  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.587  | 84   | 92498    | 17.355 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.769  | 99   | 136261   | 20.482 | ng/ul  | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 6.934  | 67   | 83277    | 20.607 | ng/ul  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.117  | 132  | 108888   | 22.896 | ng/ul  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.293  | 113  | 107501   | 19.987 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.740  | 128  | 52835    | 21.508 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.452  | 143  | 59564    | 21.174 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.999  | 165  | 103599   | 20.181 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.522 | 131  | 138341   | 19.255 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.681 | 166  | 397236   | 22.946 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 13.946 | 160  | 437340   | 22.869 | ng/ul  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.557 | 143  | 57229m   | 21.509 | ng/ul  | 0.01     |
| 60) Fluorene-d10              | 15.287 | 176  | 347572   | 24.071 | ng/ul  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.457 | 200  | 61584    | 16.866 | ng/ul  | -0.01    |
| 73) Anthracene-d10            | 17.210 | 188  | 527058   | 21.173 | ng/ul  | -0.02    |
| 81) Pyrene-d10                | 19.622 | 212  | 718461   | 20.787 | ng/ul  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 24.733 | 264  | 713108   | 23.053 | ng/ul  | -0.02    |
| Target Compounds              |        |      |          |        |        |          |
| 2) 1,4-Dioxane                | 3.223  | 88   | 2793     | 1.342  | ng/ul# | 53       |
| 5) Pyridine                   | 3.611  | 79   | 20619    | 3.825  | ng/ul# | 34       |
| 6) Benzaldehyde               | 6.764  | 77   | 18160    | 5.431  | ng/ul  | 87       |
| 8) Phenol                     | 6.799  | 94   | 28467    | 4.146  | ng/ul  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.022  | 93   | 23711    | 4.413  | ng/ul  | 96       |
| 12) 2-Chlorophenol            | 7.146  | 128  | 23483    | 4.729  | ng/ul  | 98       |
| 13) 2-Methylphenol            | 8.034  | 108  | 20244    | 3.953  | ng/ul  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.105  | 45   | 28783    | 4.294  | ng/ul# | 85       |
| 16) Acetophenone              | 8.416  | 105  | 37542    | 4.206  | ng/ul  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.381  | 70   | 20859    | 4.306  | ng/ul  | 94       |
| 18) 4-Methylphenol            | 8.358  | 108  | 23279    | 4.182  | ng/ul  | 95       |
| 19) Hexachloroethane          | 8.616  | 117  | 10649    | 4.690  | ng/ul  | 89       |
| 22) Nitrobenzene              | 8.787  | 77   | 30805    | 4.368  | ng/ul  | 98       |
| 23) Isophorone                | 9.305  | 82   | 55875    | 4.121  | ng/ul  | 98       |
| 25) 2-Nitrophenol             | 9.493  | 139  | 12048    | 4.135  | ng/ul  | 95       |
| 26) 2,4-Dimethylphenol        | 9.552  | 107  | 20988m   | 3.301  | ng/ul  |          |
| 27) Bis(2-Chloroethoxy)met... | 9.793  | 93   | 29665    | 3.946  | ng/ul# | 89       |
| 29) 2,4-Dichlorophenol        | 10.022 | 162  | 22063    | 4.419  | ng/ul  | 94       |
| 30) Naphthalene               | 10.399 | 128  | 79194    | 4.684  | ng/ul  | 100      |
| 32) 4-Chloroaniline           | 10.552 | 127  | 29768    | 4.237  | ng/ul  | 92       |
| 33) Hexachlorobutadiene       | 10.652 | 225  | 19330    | 4.984  | ng/ul  | 97       |
| 34) Caprolactam               | 11.393 | 113  | 7920m    | 4.543  | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.705 | 107  | 23379    | 3.760  | ng/ul  | 99       |
| 36) 2-Methylnaphthalene       | 12.040 | 142  | 53743    | 4.568  | ng/ul  | 93       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051624\  
 Data File : BP020408.D  
 Acq On : 16 May 2024 12:12  
 Operator : MA/JU  
 Sample : P2409-01  
 Misc : SFAM-MDL-WATER-01  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-WATER-QT2-2024-03

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024  
 Supervised By :mohammad ahmed 05/18/2024

Quant Time: May 16 12:56:25 2024  
 Quant Title :  
 QLast Update : Thu May 16 10:48:40 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.257 | 142  | 57202    | 4.832 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.416 | 216  | 35170    | 4.757 | ng/ul  | 96       |
| 40) Hexachlorocyclopentadiene | 12.363 | 237  | 25985    | 6.462 | ng/ul  | 95       |
| 41) 2,4,6-Trichlorophenol     | 12.687 | 196  | 19079m   | 4.115 | ng/ul  |          |
| 42) 2,4,5-Trichlorophenol     | 12.781 | 196  | 21474m   | 4.304 | ng/ul  |          |
| 43) 1,1'-Biphenyl             | 13.075 | 154  | 74458    | 4.441 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.122 | 162  | 58738    | 4.415 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.381 | 65   | 15955    | 3.615 | ng/ul  | 96       |
| 47) Dimethylphthalate         | 13.734 | 163  | 83452    | 4.772 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.875 | 165  | 13753    | 3.956 | ng/ul  | 93       |
| 50) Acenaphthylene            | 13.975 | 152  | 101747   | 4.730 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.246 | 138  | 11732    | 3.619 | ng/ul# | 75       |
| 52) Acenaphthene              | 14.328 | 153  | 66674    | 4.613 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.475 | 184  | 6929m    | 3.247 | ng/ul  |          |
| 55) 4-Nitrophenol             | 14.581 | 109  | 11793m   | 4.257 | ng/ul  |          |
| 56) Dibenzofuran              | 14.681 | 168  | 96952    | 4.877 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 14.698 | 165  | 23457    | 4.693 | ng/ul# | 79       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.922 | 232  | 21434    | 4.784 | ng/ul  | 99       |
| 59) Diethylphthalate          | 15.128 | 149  | 83340    | 4.775 | ng/ul  | 99       |
| 61) Fluorene                  | 15.346 | 166  | 84743    | 5.130 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.346 | 204  | 43296    | 4.941 | ng/ul  | 90       |
| 63) 4-Nitroaniline            | 15.446 | 138  | 11290m   | 4.178 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.469 | 198  | 14997    | 3.939 | ng/ul# | 71       |
| 67) N-Nitrosodiphenylamine    | 15.575 | 169  | 69042    | 4.309 | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.275 | 248  | 29040    | 4.659 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.375 | 284  | 34304    | 4.752 | ng/ul  | 95       |
| 70) Atrazine                  | 16.581 | 200  | 28457    | 5.009 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.763 | 266  | 18085m   | 4.145 | ng/ul  |          |
| 72) Phenanthrene              | 17.151 | 178  | 138650   | 4.723 | ng/ul  | 97       |
| 74) Anthracene                | 17.245 | 178  | 129943   | 4.352 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.034 | 216  | 35186    | 4.114 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.587 | 250  | 40744    | 4.761 | ng/uL  | 94       |
| 77) Carbazole                 | 17.563 | 167  | 112107   | 4.358 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.145 | 149  | 143744   | 4.610 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.269 | 202  | 171487   | 4.216 | ng/ul  | 99       |
| 82) Pyrene                    | 19.657 | 202  | 183400   | 4.334 | ng/ul  | 100      |
| 83) Butylbenzylphthalate      | 20.639 | 149  | 64427    | 4.010 | ng/ul  | 92       |
| 84) 3,3'-Dichlorobenzidine    | 21.545 | 252  | 46613    | 3.874 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.598 | 228  | 177602   | 4.429 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.545 | 149  | 92090    | 3.973 | ng/ul  | 98       |
| 87) Chrysene                  | 21.669 | 228  | 174605   | 4.698 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.833 | 149  | 155060   | 3.785 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.916 | 252  | 171349   | 4.503 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.986 | 252  | 179089   | 4.618 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 24.816 | 252  | 159619   | 4.408 | ng/ul  | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.804 | 276  | 198718m  | 4.477 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.898 | 278  | 164908m  | 4.491 | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 30.004 | 276  | 163029m  | 4.554 | ng/ul  |          |

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

