

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071624\  
Data File : BG062104.D  
Acq On : 16 Jul 2024 22:25  
Operator : MA/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC020EC

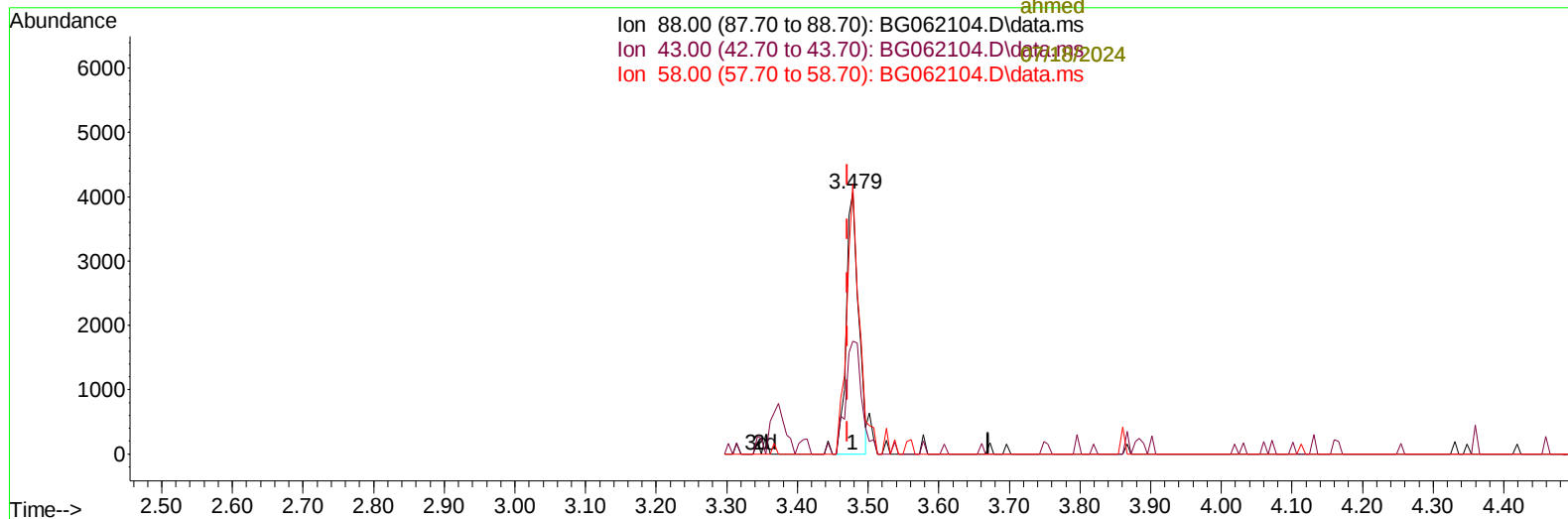
## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/17/2024  
Supervised By :mohammad ahmed 07/18/2024

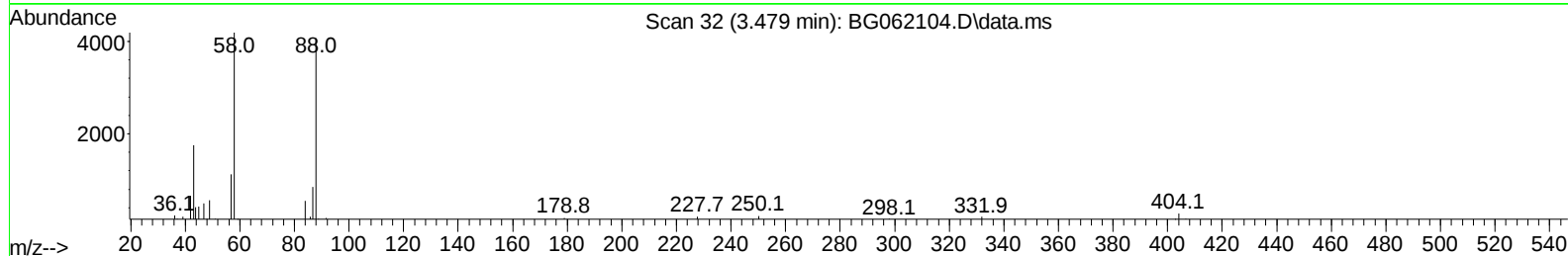
07/17/2024  
Supervised By :mohammad  
ahmed

Quant Time: Jul 17 00:48:55 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jul 16 12:23:16 2024  
Response via : Initial Calibration

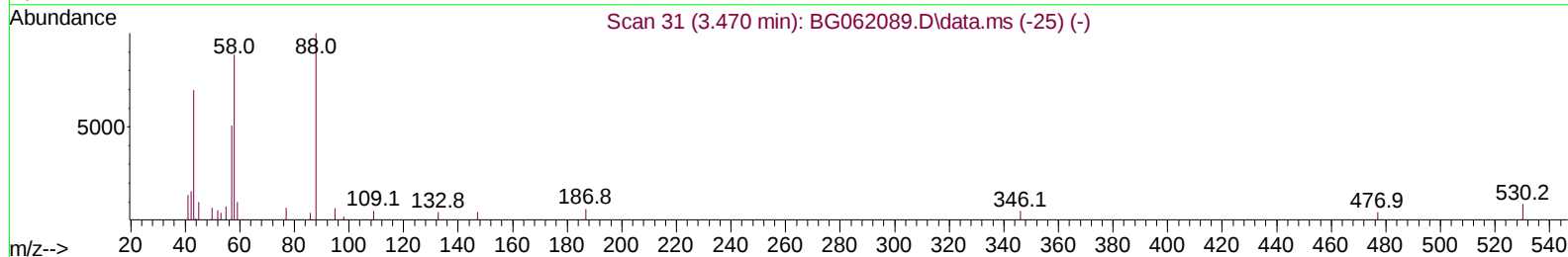
Ion 88.00 (87.70 to 88.70): BG062104.D\data.ms  
Ion 43.00 (42.70 to 43.70): BG062104.D\data.ms  
Ion 58.00 (57.70 to 58.70): BG062104.D\data.ms



Scan 32 (3.479 min): BG062104.D\data.ms



Scan 31 (3.470 min): BG062089.D\data.ms (-25) (-)



TIC: BG062104.D\data.ms

## (2) 1,4-Dioxane

3.479min (+ 0.008) 5.25 ng/uL

response 4890

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 88.00 | 100.00 | 100.00 |
| 43.00 | 49.30  | 43.27  |
| 58.00 | 97.60  | 103.08 |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071624\  
Data File : BG062104.D  
Acq On : 16 Jul 2024 22:25  
Operator : MA/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC020EC

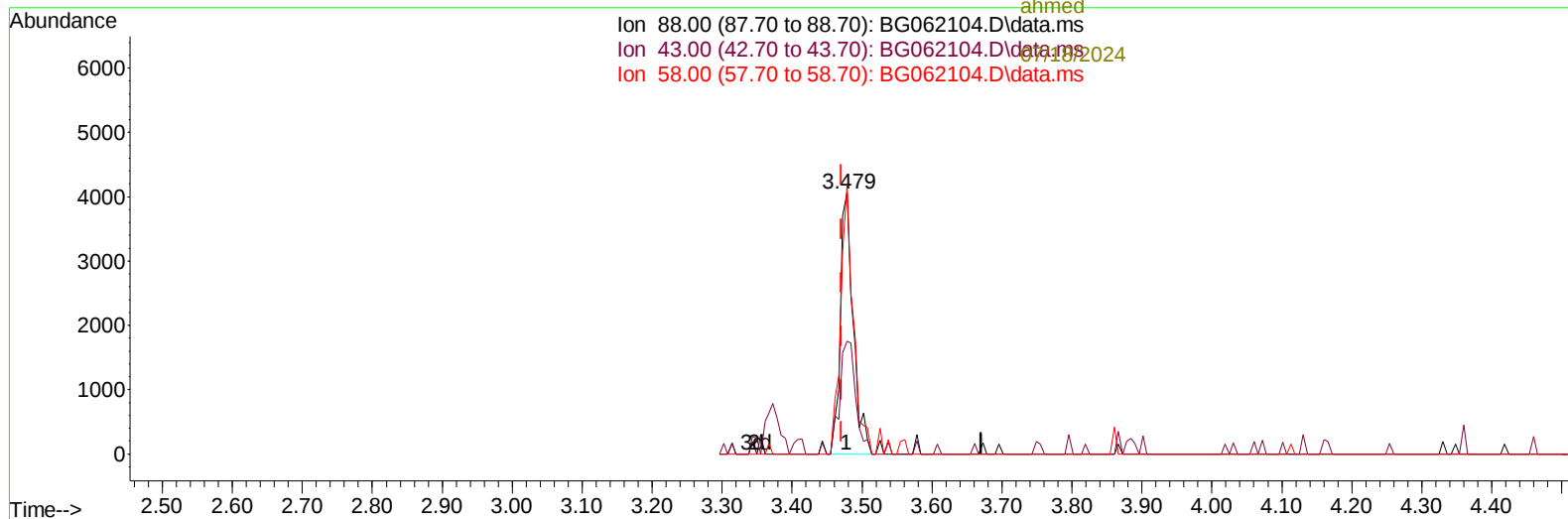
Manual IntegrationsAPPROVED

Quant Time: Jul 17 00:48:55 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jul 16 12:23:16 2024  
Response via : Initial Calibration

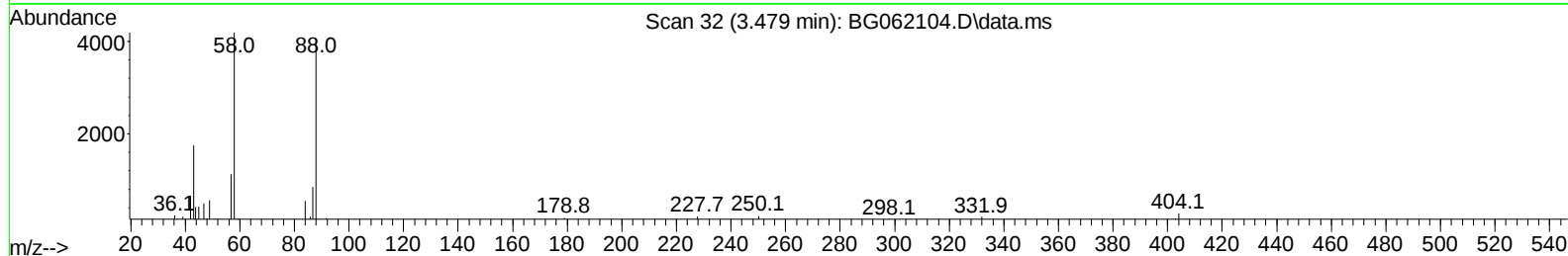
Reviewed By :Jagrut Upadhyay 07/17/2024  
Supervised By :mohammad ahmed 07/18/2024

07/17/2024  
Supervised By :mohammad  
ahmed

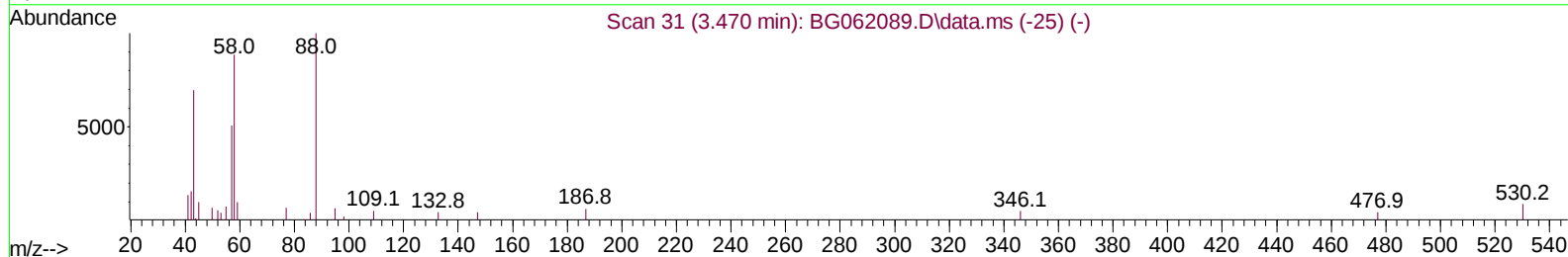
Ion 88.00 (87.70 to 88.70): BG062104.D\data.ms  
Ion 43.00 (42.70 to 43.70): BG062104.D\data.ms  
Ion 58.00 (57.70 to 58.70): BG062104.D\data.ms



Scan 32 (3.479 min): BG062104.D\data.ms



Scan 31 (3.470 min): BG062089.D\data.ms (-25) (-)



TIC: BG062104.D\data.ms

(2) 1,4-Dioxane

3.479min (+ 0.008) 5.58 ng/uL m

response 5198

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 88.00 | 100.00 | 100.00 |
| 43.00 | 49.30  | 43.27  |
| 58.00 | 97.60  | 103.08 |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071624\  
Data File : BG062104.D  
Acq On : 16 Jul 2024 22:25  
Operator : MA/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC020EC

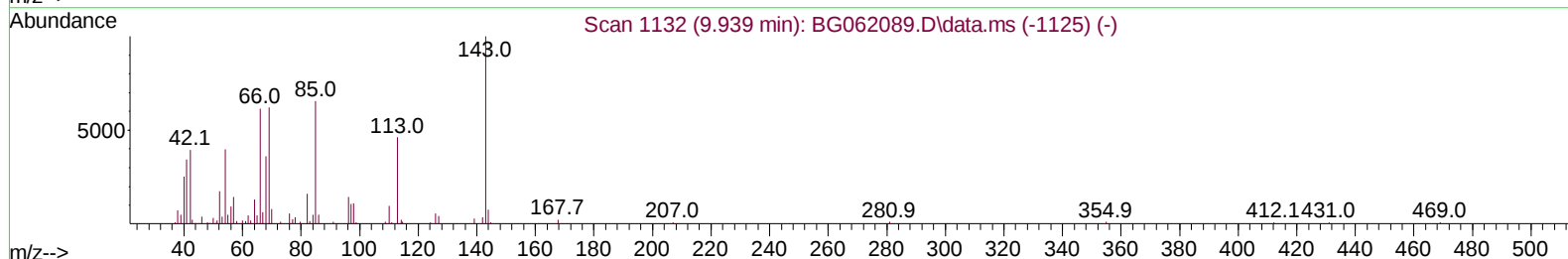
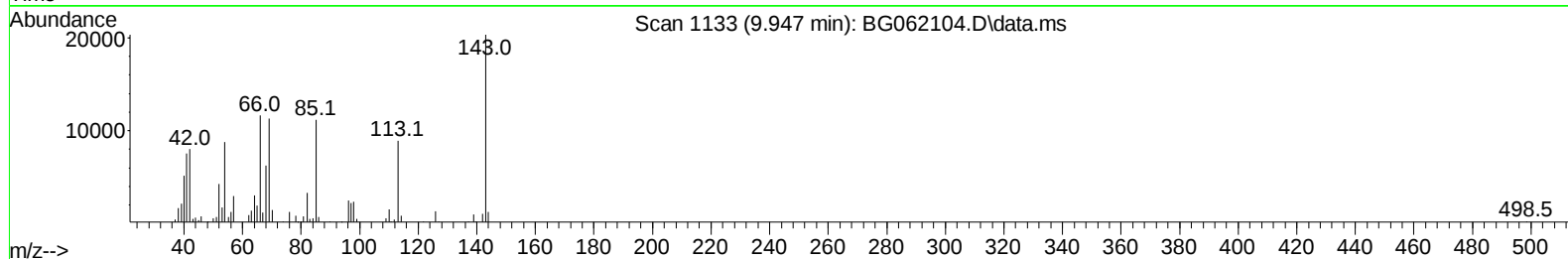
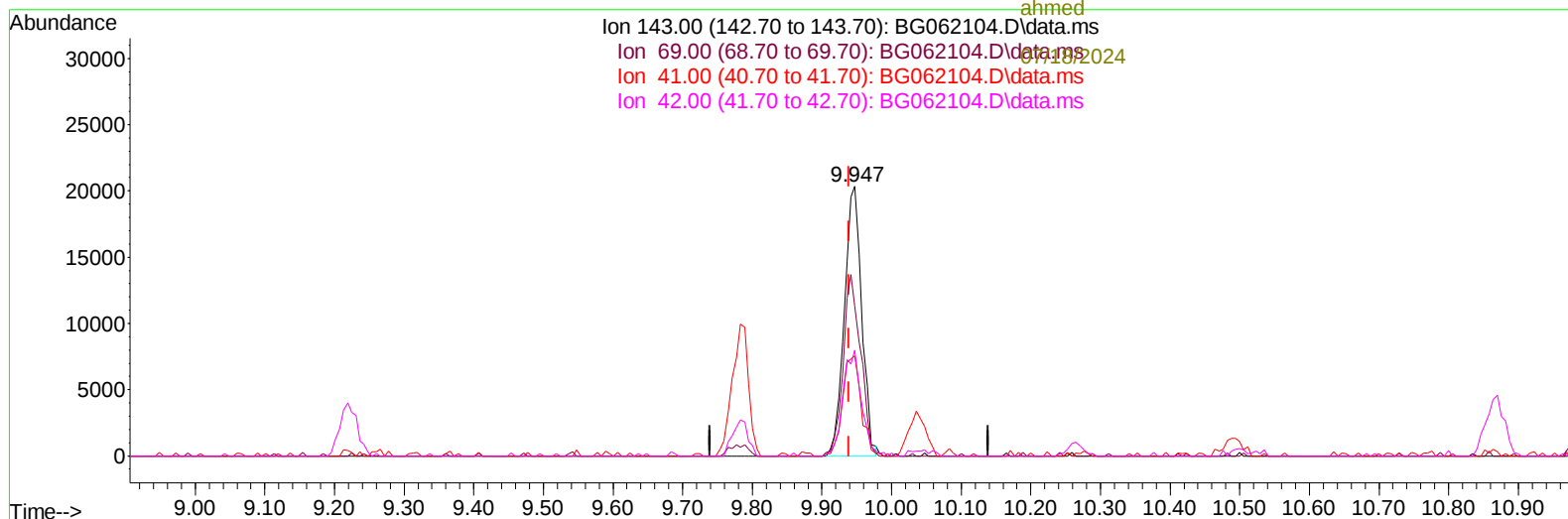
## Manual IntegrationsAPPROVED

Quant Time: Jul 17 00:48:55 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jul 16 12:23:16 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/17/2024  
Supervised By :mohammad ahmed 07/18/2024

07/17/2024  
Supervised By :mohammad  
ahmed

Ion 143.00 (142.70 to 143.70): BG062104.D\data.ms  
Ion 69.00 (68.70 to 69.70): BG062104.D\data.ms  
Ion 41.00 (40.70 to 41.70): BG062104.D\data.ms  
Ion 42.00 (41.70 to 42.70): BG062104.D\data.ms



TIC: BG062104.D\data.ms

## (24) 2-Nitrophenol-d4 (S)

9.947min (+ 0.008) 21.76 ng/u1

response 35315

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 69.00  | 49.50  | 55.48  |
| 41.00  | 31.60  | 37.07  |
| 42.00  | 36.90  | 39.32  |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071624\  
Data File : BG062104.D  
Acq On : 16 Jul 2024 22:25  
Operator : MA/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC020EC

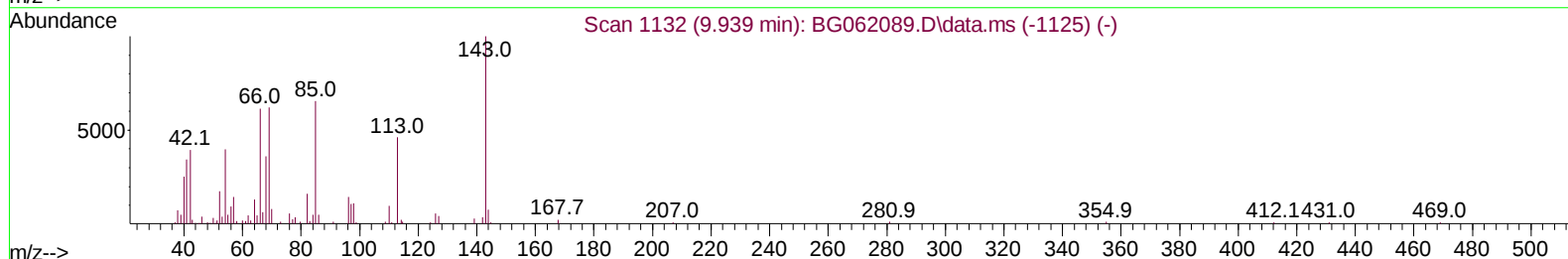
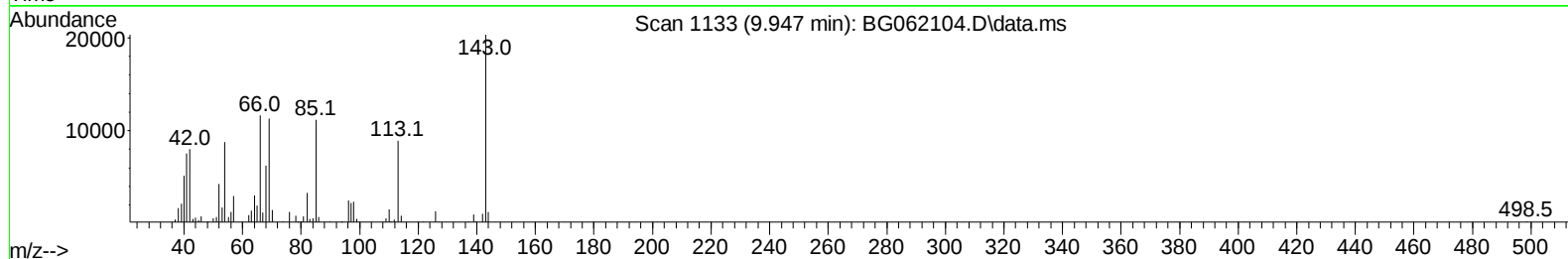
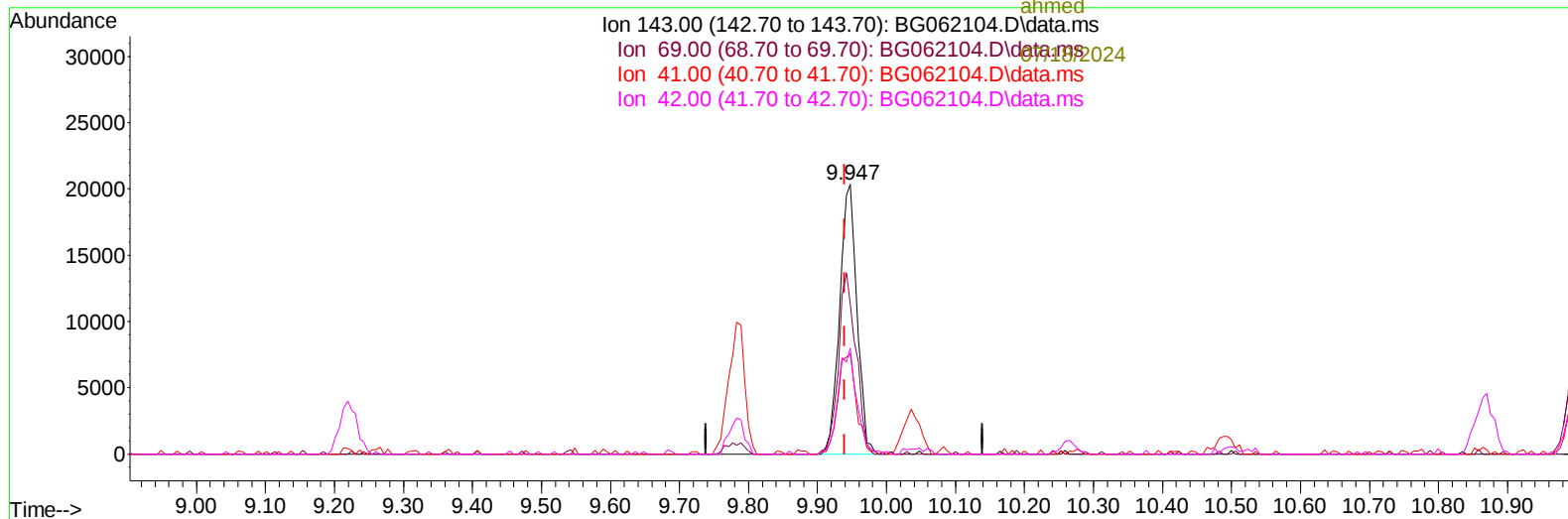
Manual IntegrationsAPPROVED

Quant Time: Jul 17 00:48:55 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jul 16 12:23:16 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/17/2024  
Supervised By :mohammad ahmed 07/18/2024

07/17/2024  
Supervised By :mohammad  
ahmed

Ion 143.00 (142.70 to 143.70): BG062104.D\data.ms  
Ion 69.00 (68.70 to 69.70): BG062104.D\data.ms  
Ion 41.00 (40.70 to 41.70): BG062104.D\data.ms  
Ion 42.00 (41.70 to 42.70): BG062104.D\data.ms



TIC: BG062104.D\data.ms

**(24) 2-Nitrophenol-d4 (S)**

**9.947min (+ 0.008) 21.80 ng/ul m**

**response 35392**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 69.00  | 49.50  | 55.48  |
| 41.00  | 31.60  | 37.07  |
| 42.00  | 36.90  | 39.32  |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071624\  
Data File : BG062104.D  
Acq On : 16 Jul 2024 22:25  
Operator : MA/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

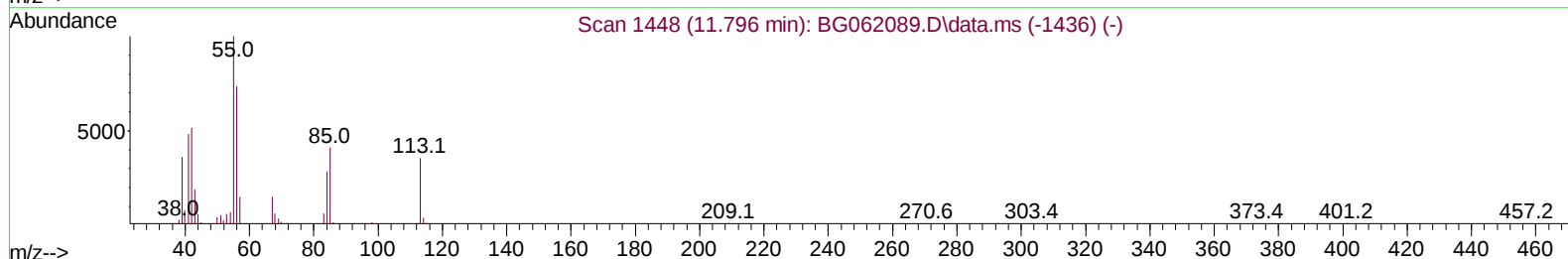
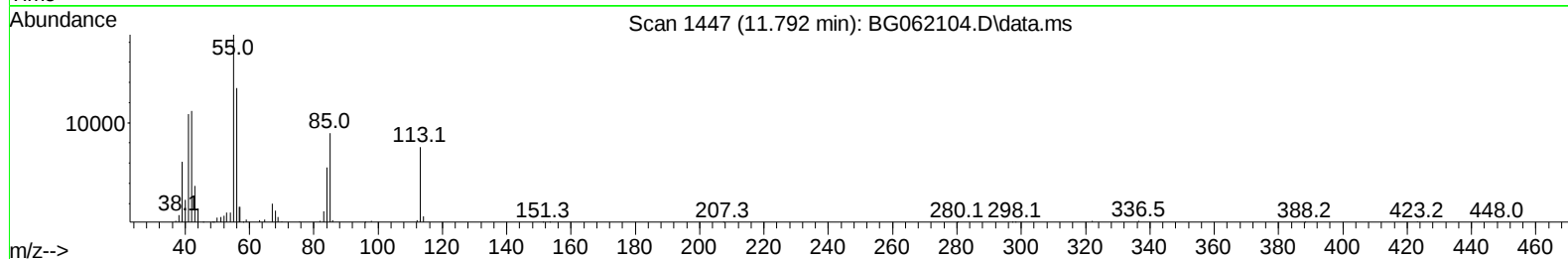
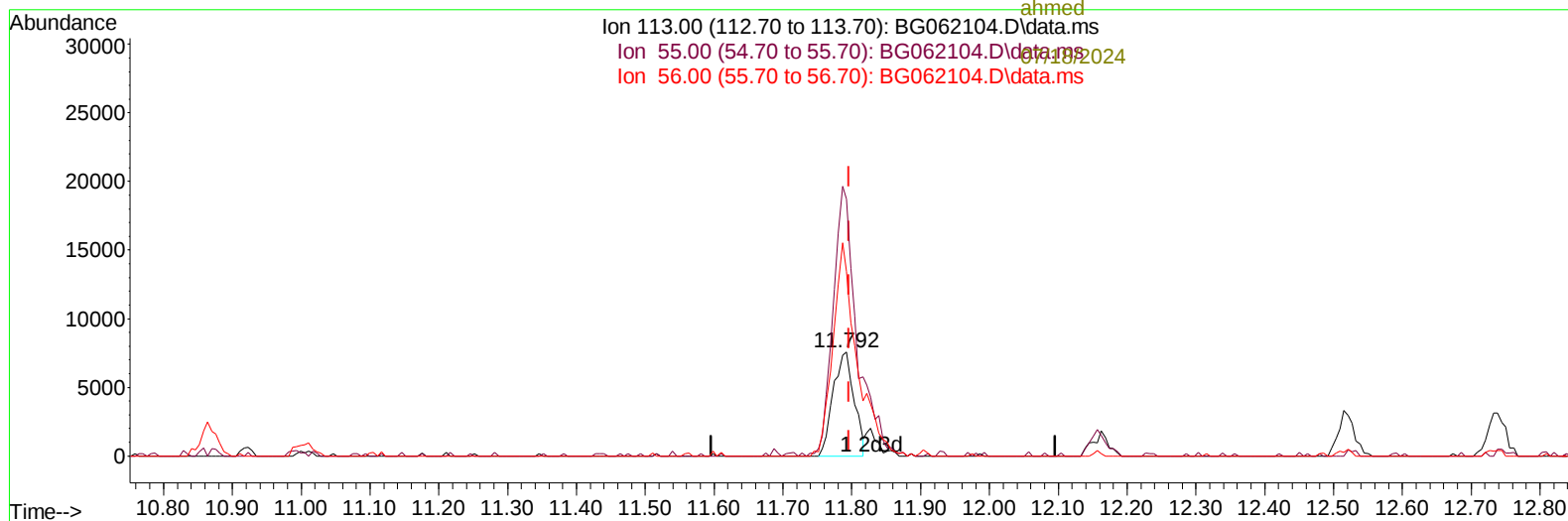
Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC020EC

## Manual IntegrationsAPPROVED

Quant Time: Jul 17 00:48:55 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jul 16 12:23:16 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/17/2024  
Supervised By :mohammad ahmed 07/18/2024

07/17/2024  
Supervised By :mohammad  
ahmed



TIC: BG062104.D\data.ms

## (34) Caprolactam

11.792min (-0.004) 13.81 ng/ul

response 15918

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 230.70 | 247.01 |
| 56.00  | 168.80 | 177.45 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071624\  
Data File : BG062104.D  
Acq On : 16 Jul 2024 22:25  
Operator : MA/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

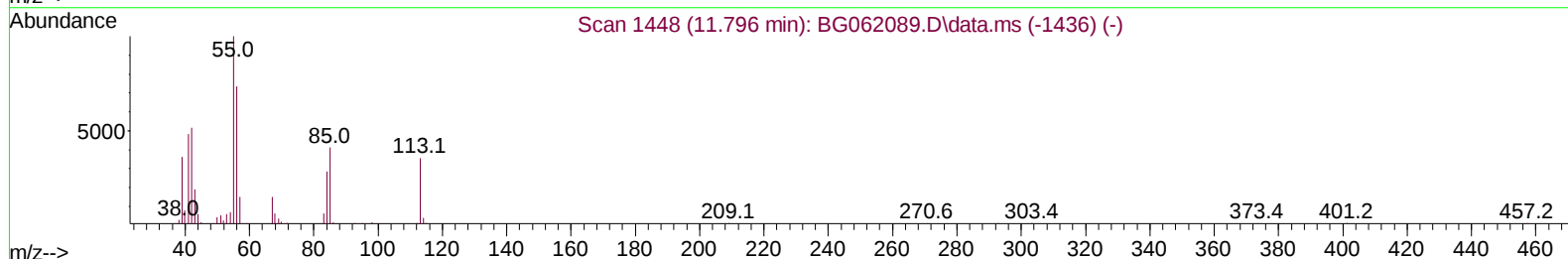
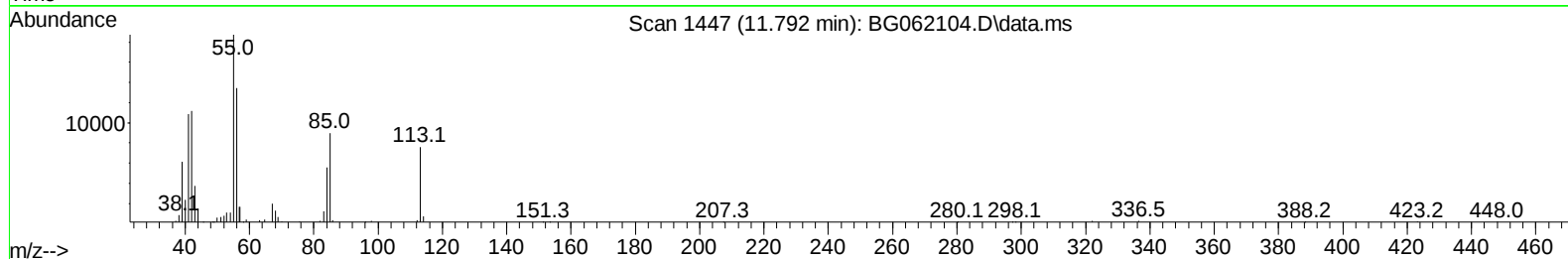
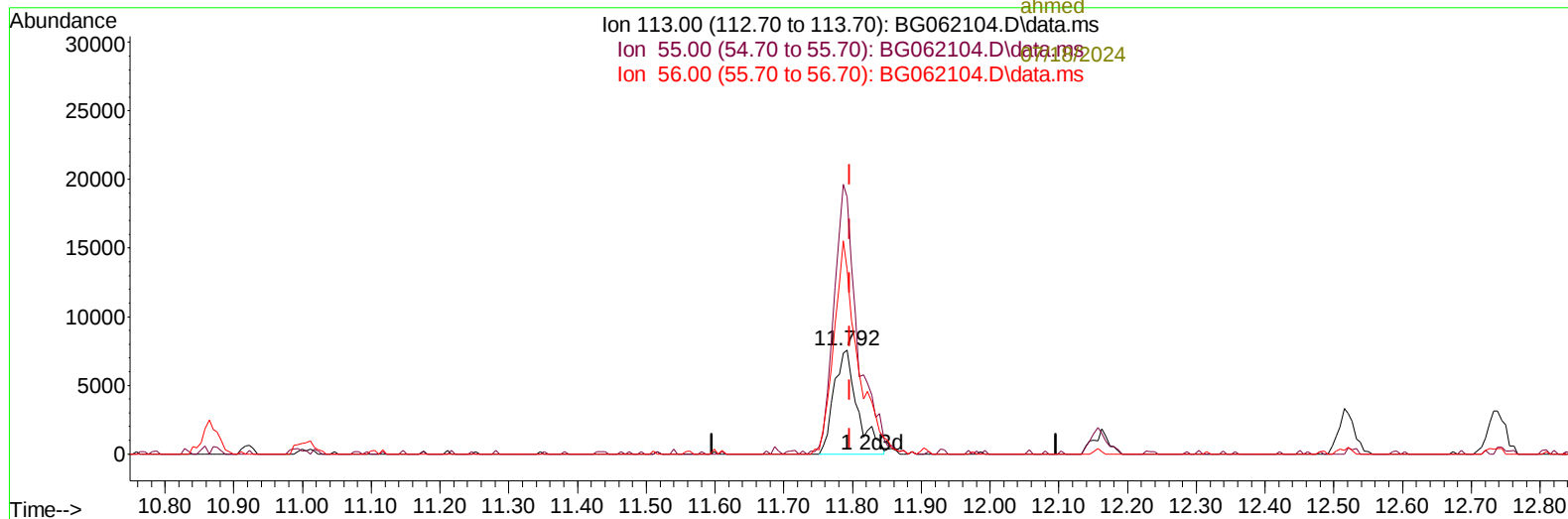
Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC020EC

## Manual IntegrationsAPPROVED

Quant Time: Jul 17 00:48:55 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jul 16 12:23:16 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/17/2024  
Supervised By :mohammad ahmed 07/18/2024

07/17/2024  
Supervised By :mohammad  
ahmed



TIC: BG062104.D\data.ms

## (34) Caprolactam

11.792min (-0.004) 15.64 ng/ul m

response 18026

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 230.70 | 247.01 |
| 56.00  | 168.80 | 177.45 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071624\  
Data File : BG062104.D  
Acq On : 16 Jul 2024 22:25  
Operator : MA/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

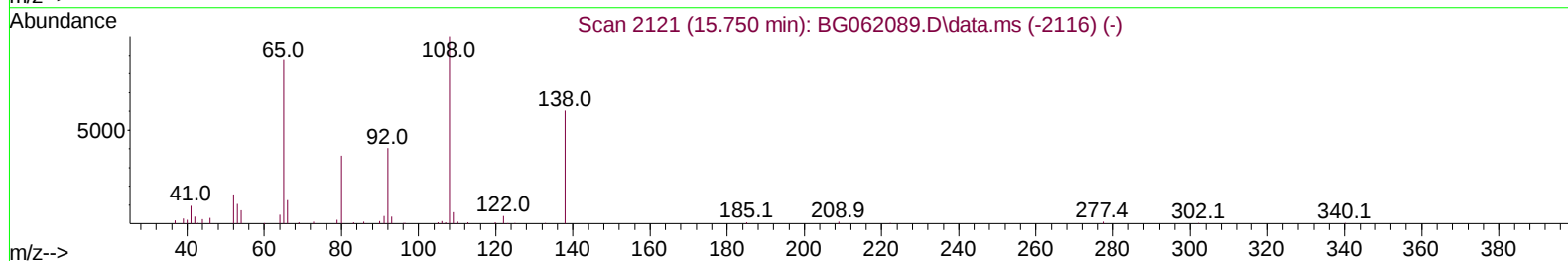
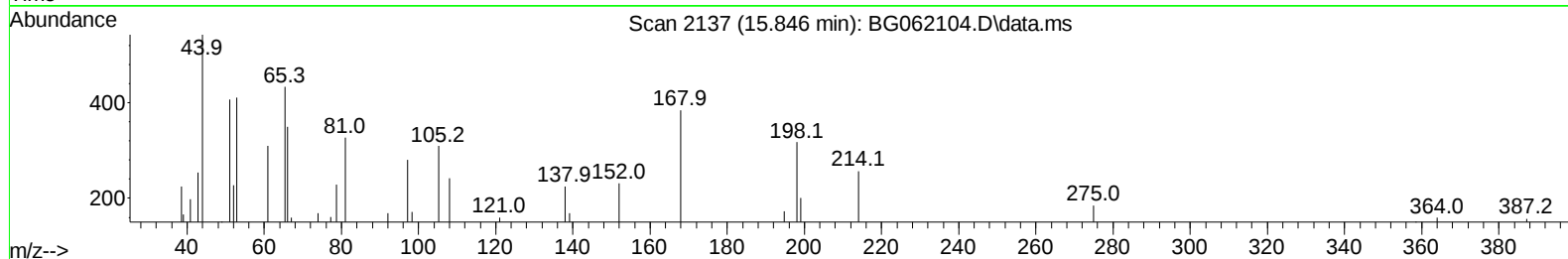
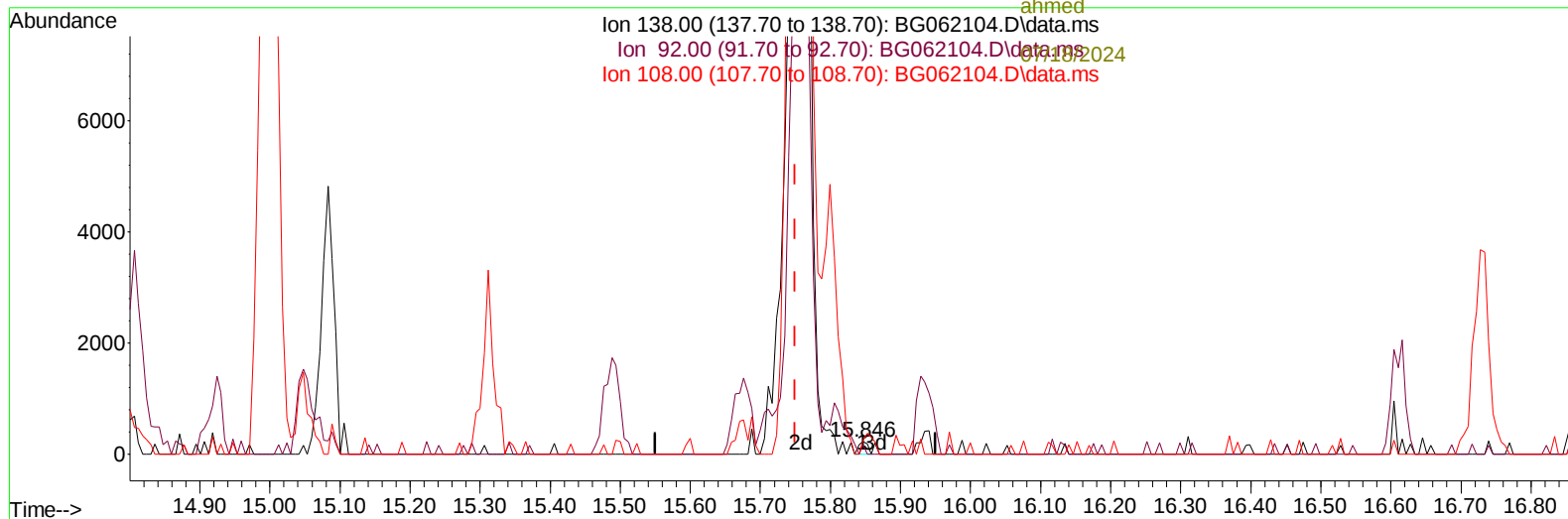
Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Jul 17 00:48:55 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jul 16 12:23:16 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/17/2024  
Supervised By :mohammad ahmed 07/18/2024

07/17/2024  
Supervised By :mohammad  
ahmed



TIC: BG062104.D\data.ms

**(63) 4-Nitroaniline**

**15.846min (+ 0.096) 0.11 ng/ul**

**response 201**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 138.00 | 100.00 | 100.00 |
| 92.00  | 65.40  | 75.45  |
| 108.00 | 117.60 | 108.04 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071624\  
 Data File : BG062104.D  
 Acq On : 16 Jul 2024 22:25  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

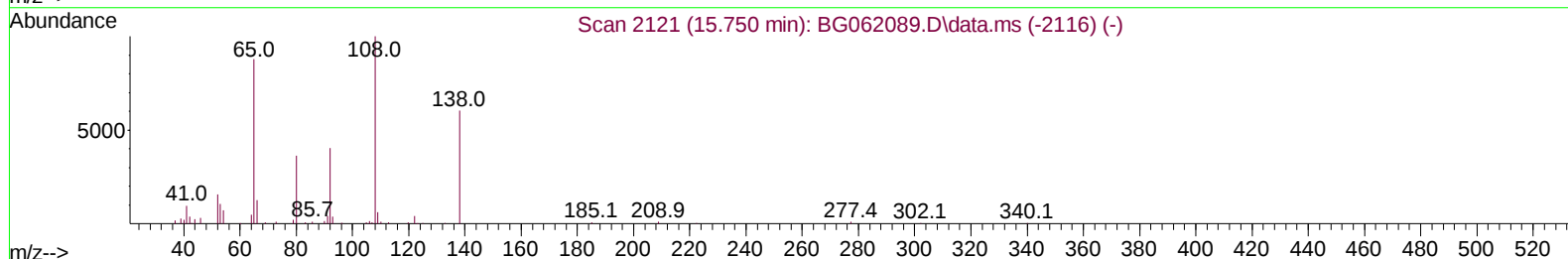
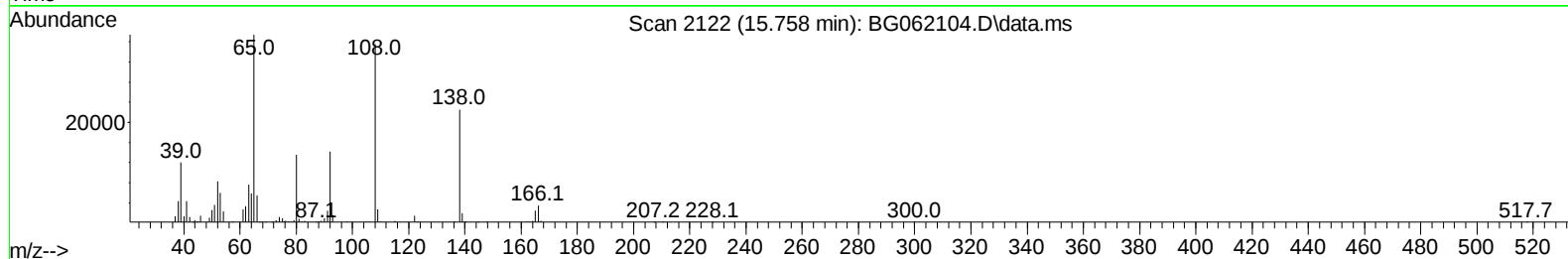
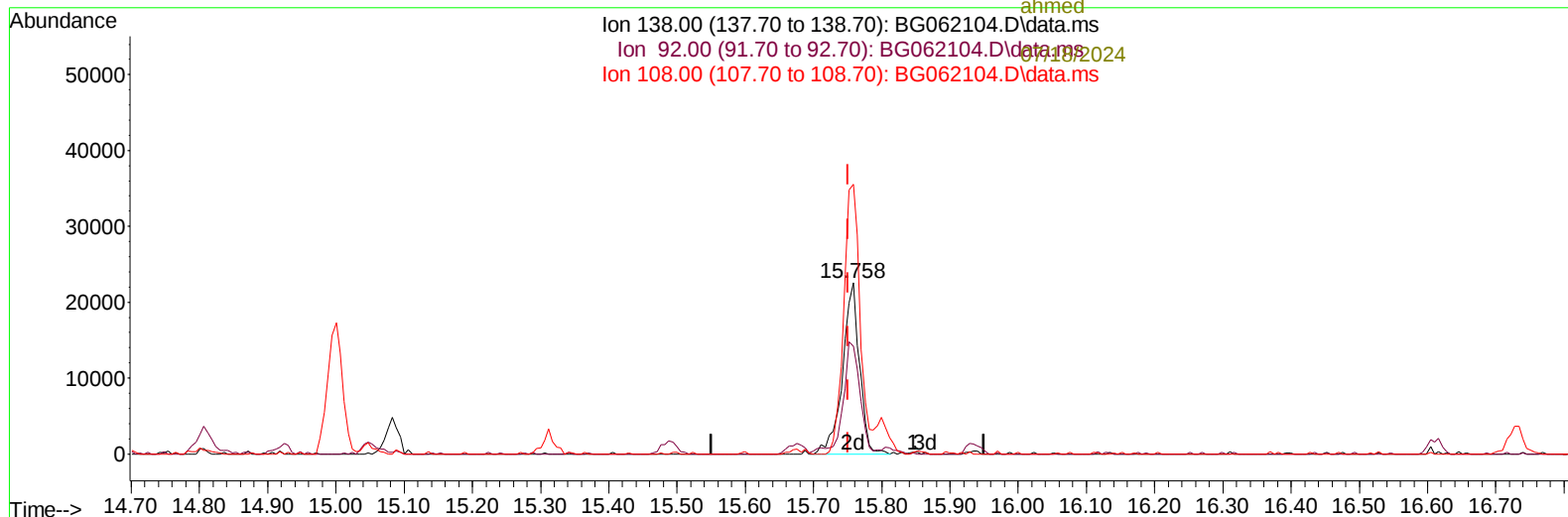
Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Jul 17 00:48:55 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 16 12:23:16 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/17/2024  
 Supervised By :mohammad ahmed 07/18/2024

07/17/2024  
 Supervised By :mohammad  
 ahmed



TIC: BG062104.D\data.ms

**(63) 4-Nitroaniline**

**15.758min (+ 0.008) 21.24 ng/ul m**

**response 39063**

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 138.00 | 100.00 | 100.00  |
| 92.00  | 65.40  | 62.93   |
| 108.00 | 117.60 | 157.47# |
| 0.00   | 0.00   | 0.00    |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071624\  
 Data File : BG062104.D  
 Acq On : 16 Jul 2024 22:25  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

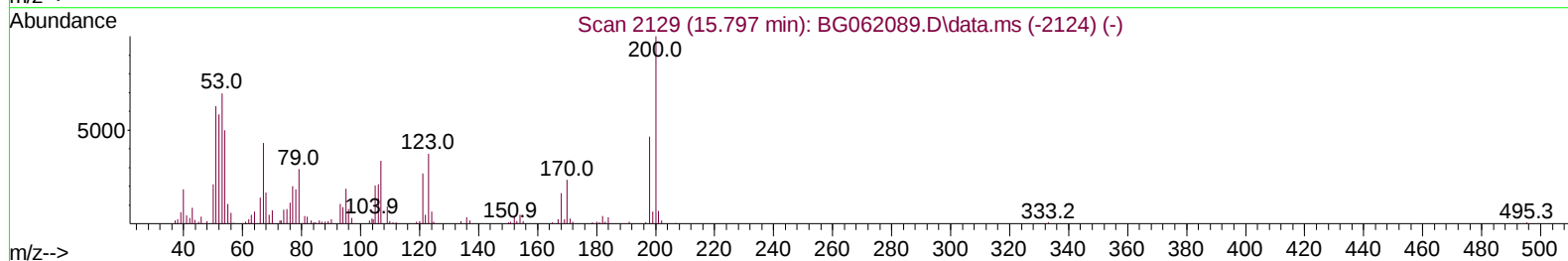
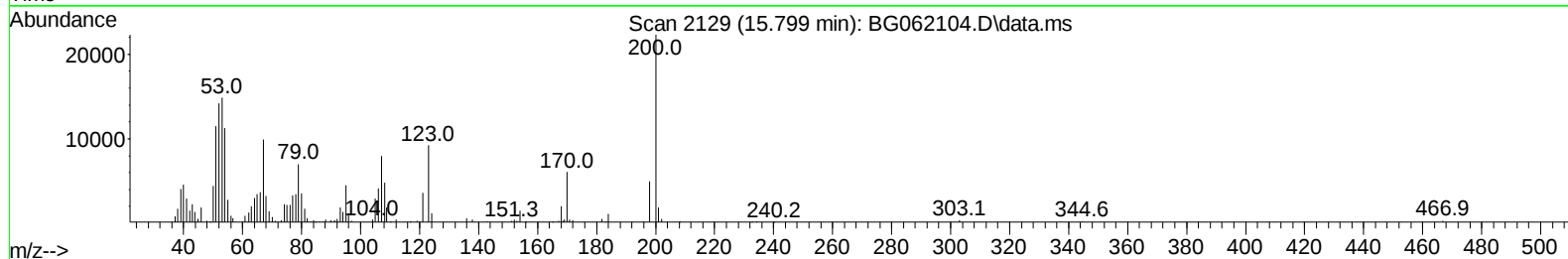
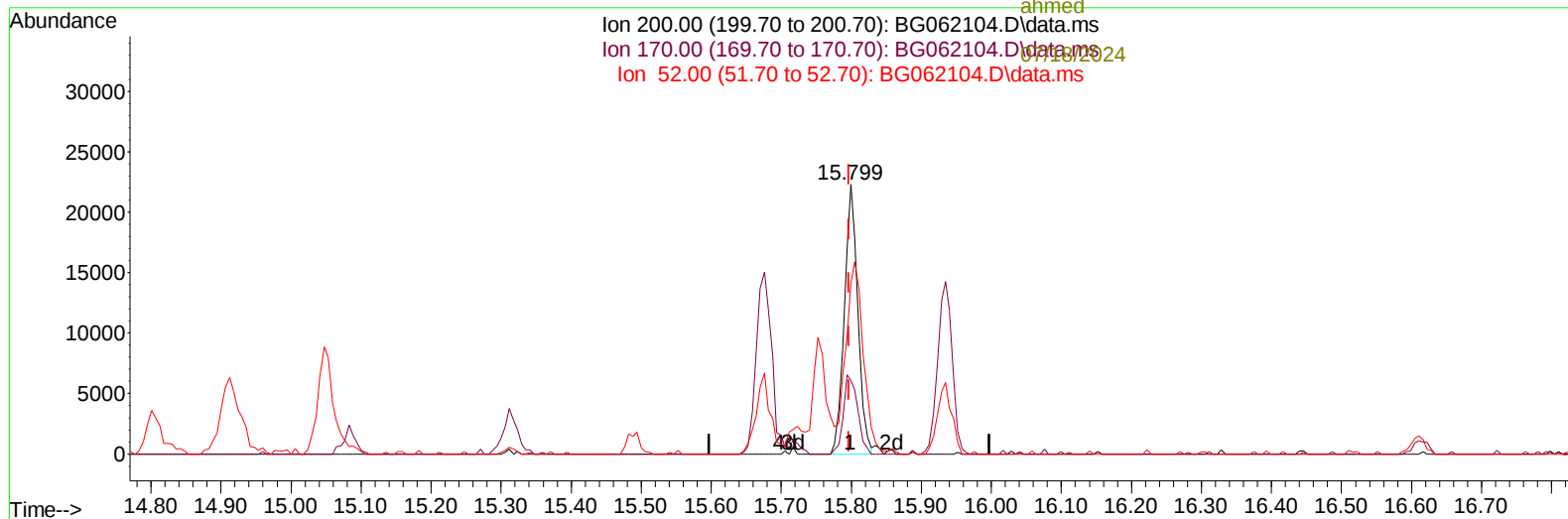
Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Jul 17 00:48:55 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 16 12:23:16 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/17/2024  
 Supervised By :mohammad ahmed 07/18/2024

07/17/2024  
 Supervised By :mohammad  
 ahmed



TIC: BG062104.D\data.ms

(65) 4,6-Dinitro-2-methylphenol-d2 (S)

15.799min (+ 0.002) 19.91 ng/ul

response 30200

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 200.00 | 100.00 | 100.00 |
| 170.00 | 21.10  | 27.29# |
| 52.00  | 66.90  | 63.62  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071624\  
 Data File : BG062104.D  
 Acq On : 16 Jul 2024 22:25  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

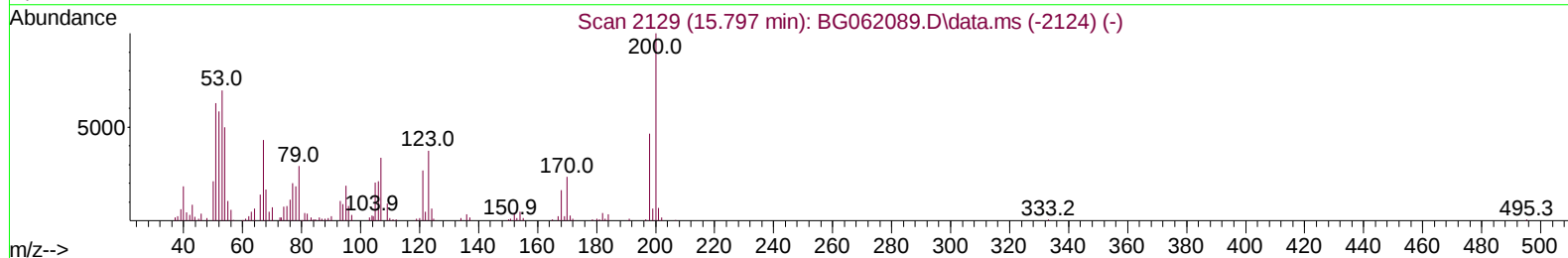
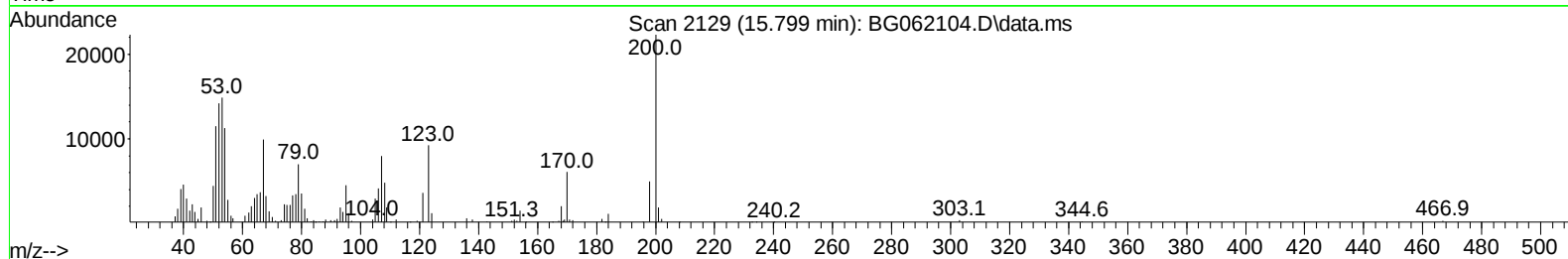
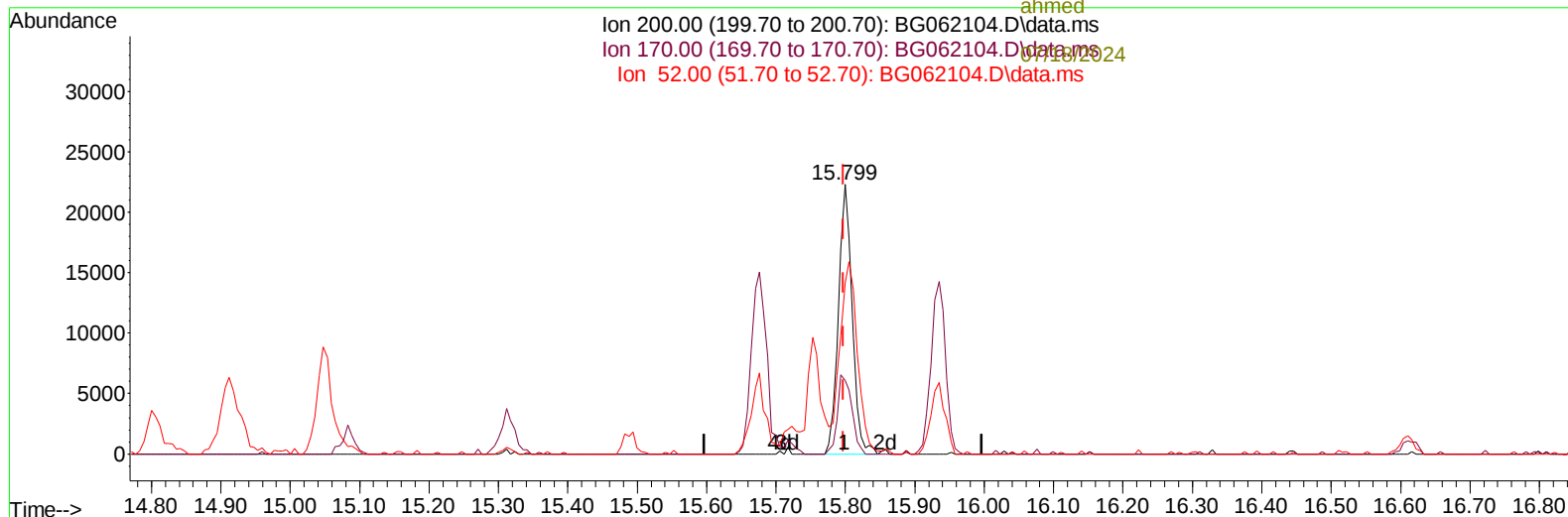
Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Jul 17 00:48:55 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 16 12:23:16 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/17/2024  
 Supervised By :mohammad ahmed 07/18/2024

07/17/2024  
 Supervised By :mohammad  
 ahmed



TIC: BG062104.D\data.ms

(65) 4,6-Dinitro-2-methylphenol-d2 (S)

15.799min (+ 0.002) 20.18 ng/ul m

response 30609

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 200.00 | 100.00 | 100.00 |
| 170.00 | 21.10  | 27.29# |
| 52.00  | 66.90  | 63.62  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071624\  
 Data File : BG062104.D  
 Acq On : 16 Jul 2024 22:25  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

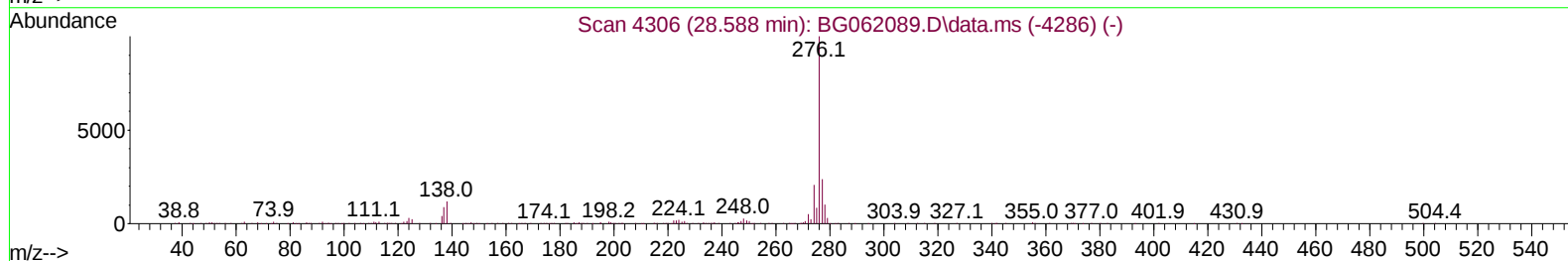
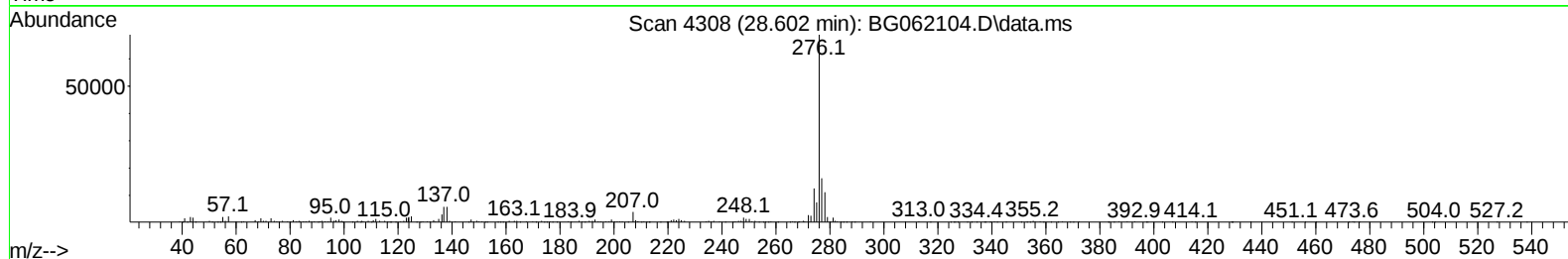
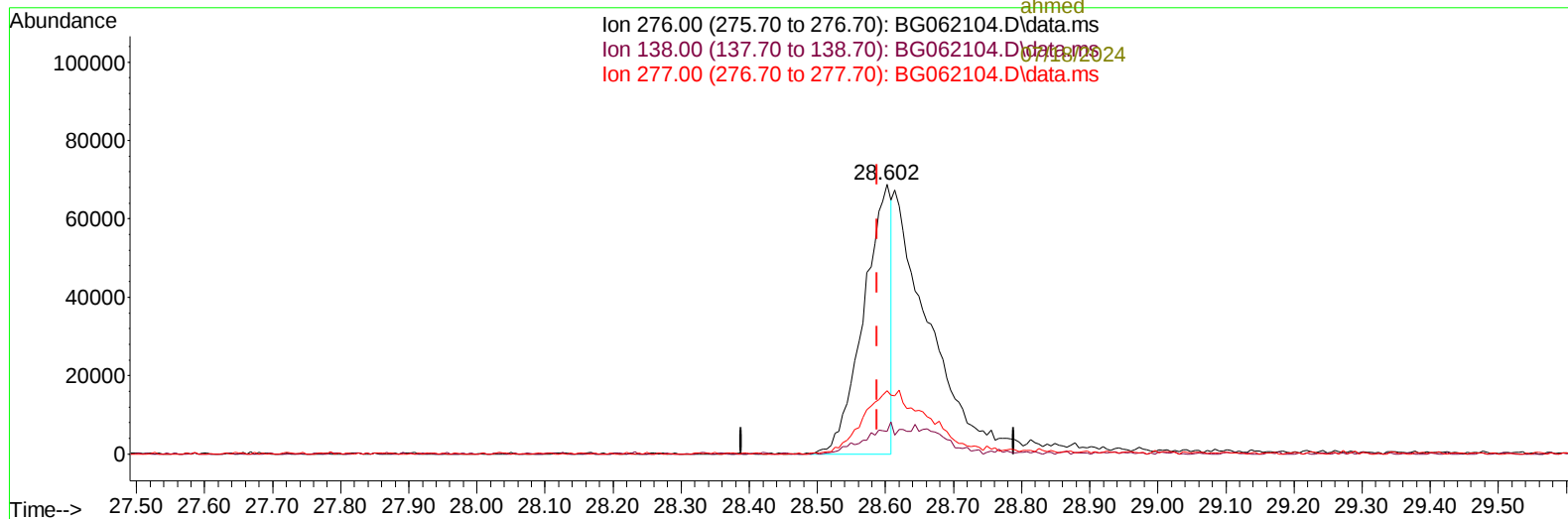
Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Jul 17 00:48:55 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 16 12:23:16 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/17/2024  
 Supervised By :mohammad ahmed 07/18/2024

07/17/2024  
 Supervised By :mohammad  
 ahmed



TIC: BG062104.D\data.ms

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

**28.602min (+ 0.014) 8.60 ng/u1**

**response 194609**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 14.90  | 8.49#  |
| 277.00 | 24.10  | 23.55  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071624\  
 Data File : BG062104.D  
 Acq On : 16 Jul 2024 22:25  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020EC

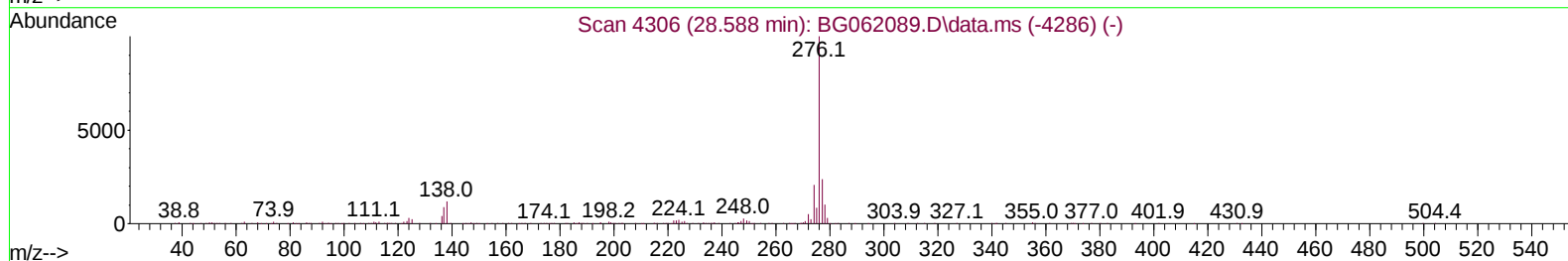
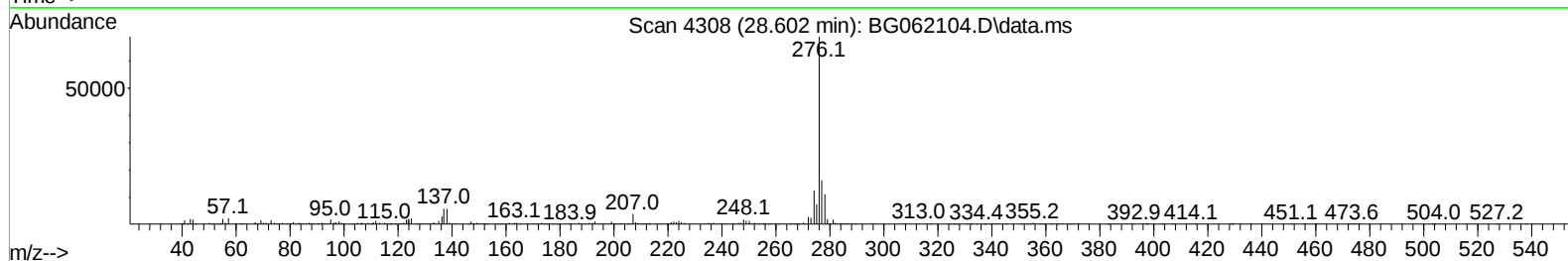
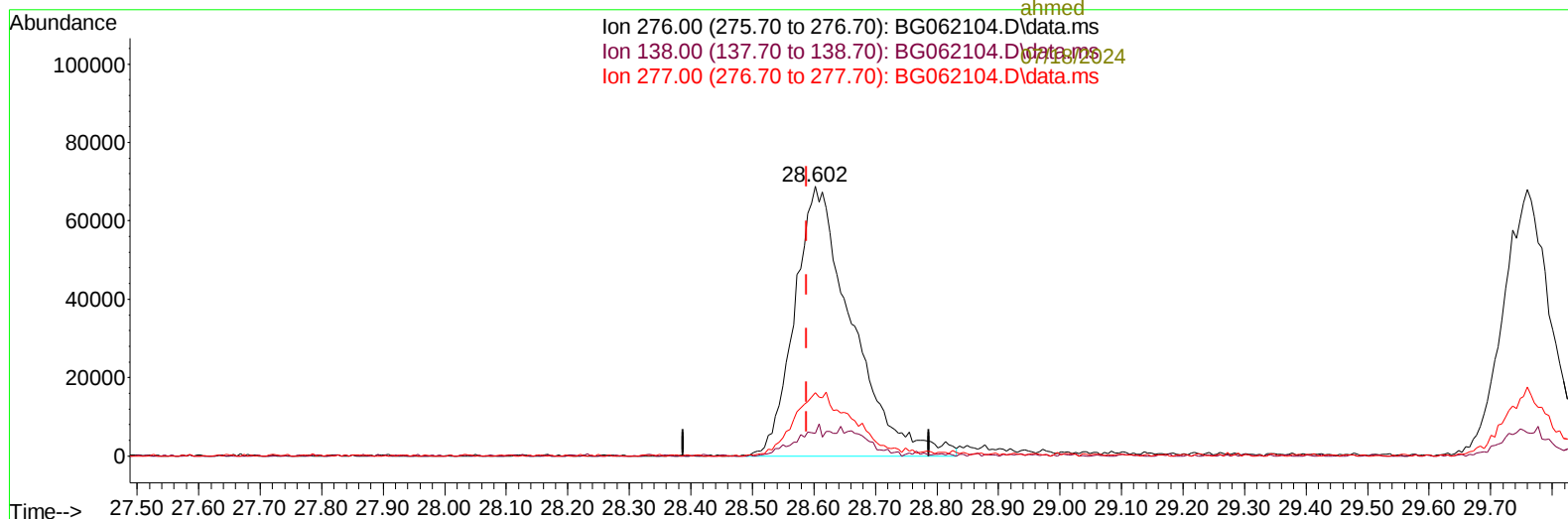
Manual IntegrationsAPPROVED

Quant Time: Jul 17 00:48:55 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 16 12:23:16 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/17/2024  
 Supervised By :mohammad ahmed 07/18/2024

07/17/2024  
 Supervised By :mohammad  
 ahmed

Ion 276.00 (275.70 to 276.70): BG062104.D\data.ms  
 Ion 138.00 (137.70 to 138.70): BG062104.D\data.ms  
 Ion 277.00 (276.70 to 277.70): BG062104.D\data.ms



TIC: BG062104.D\data.ms

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

28.602min (+ 0.014) 19.68 ng/ul m

response 445284

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 14.90  | 8.49#  |
| 277.00 | 24.10  | 23.55  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071624\  
 Data File : BG062104.D  
 Acq On : 16 Jul 2024 22:25  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020EC

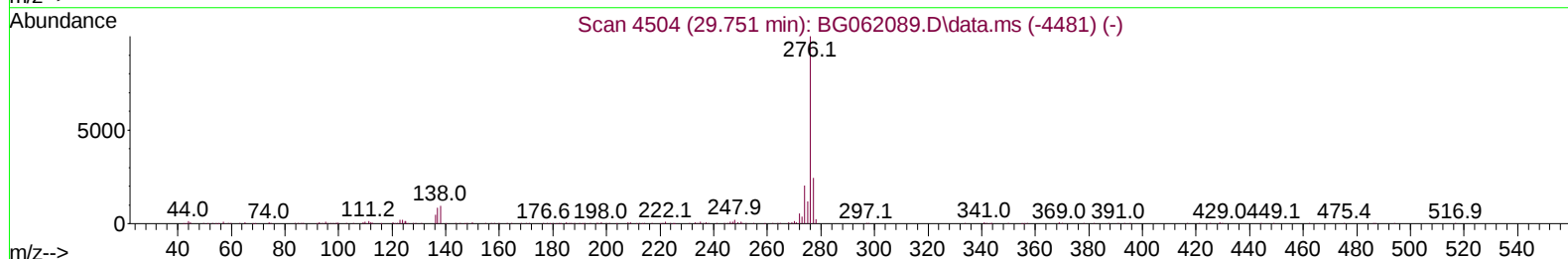
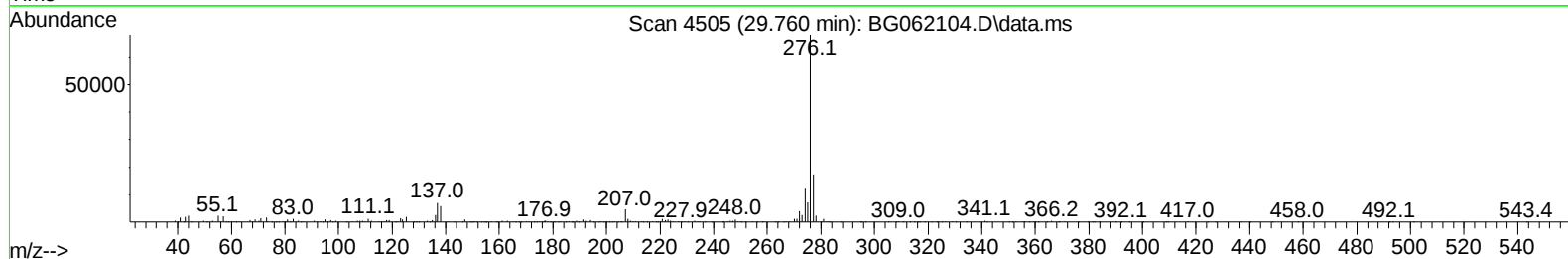
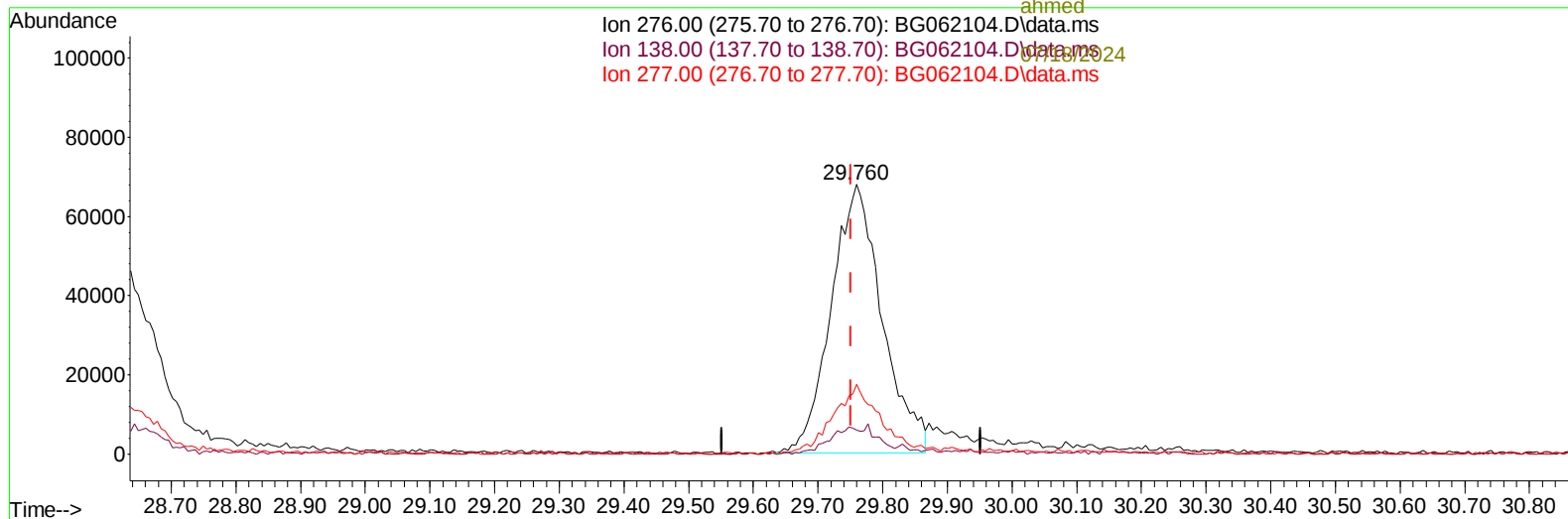
Manual IntegrationsAPPROVED

Quant Time: Jul 17 00:48:55 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 16 12:23:16 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/17/2024  
 Supervised By :mohammad ahmed 07/18/2024

07/17/2024  
 Supervised By :mohammad  
 ahmed

Ion 276.00 (275.70 to 276.70): BG062104.D\data.ms  
 Ion 138.00 (137.70 to 138.70): BG062104.D\data.ms  
 Ion 277.00 (276.70 to 277.70): BG062104.D\data.ms



TIC: BG062104.D\data.ms

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

**29.760min (+ 0.008) 20.56 ng/u1**

**response 370177**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 13.90  | 8.83#  |
| 277.00 | 23.50  | 25.75  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071624\  
 Data File : BG062104.D  
 Acq On : 16 Jul 2024 22:25  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020EC

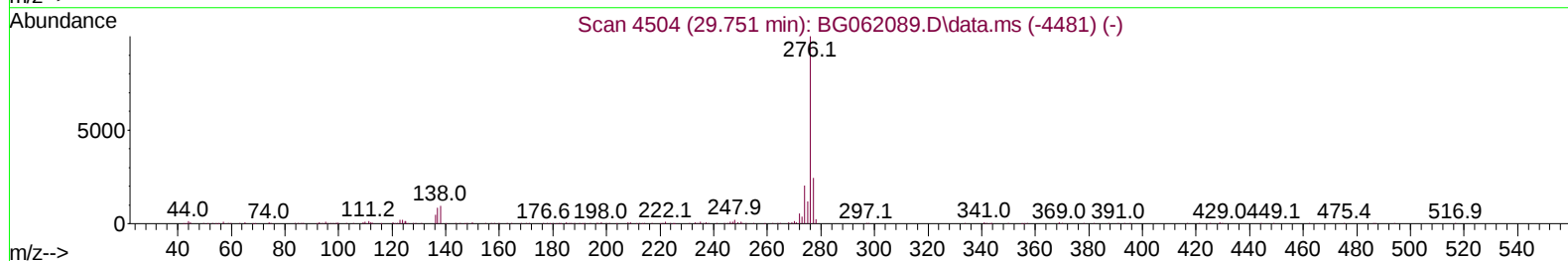
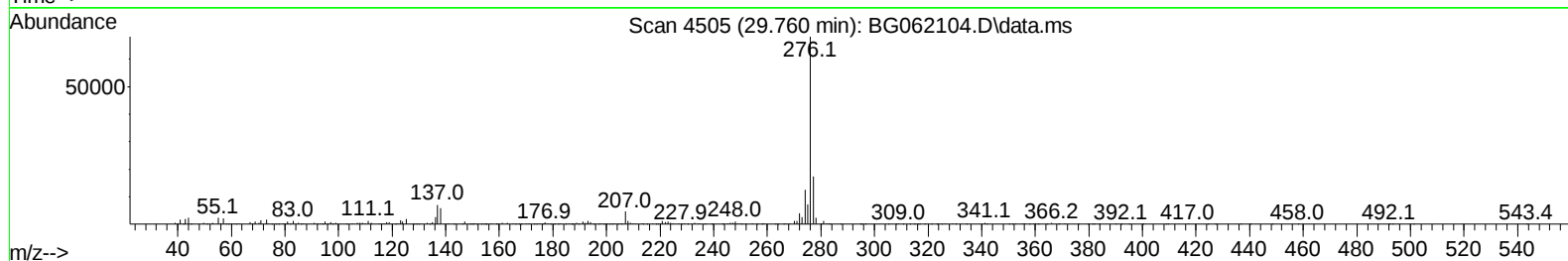
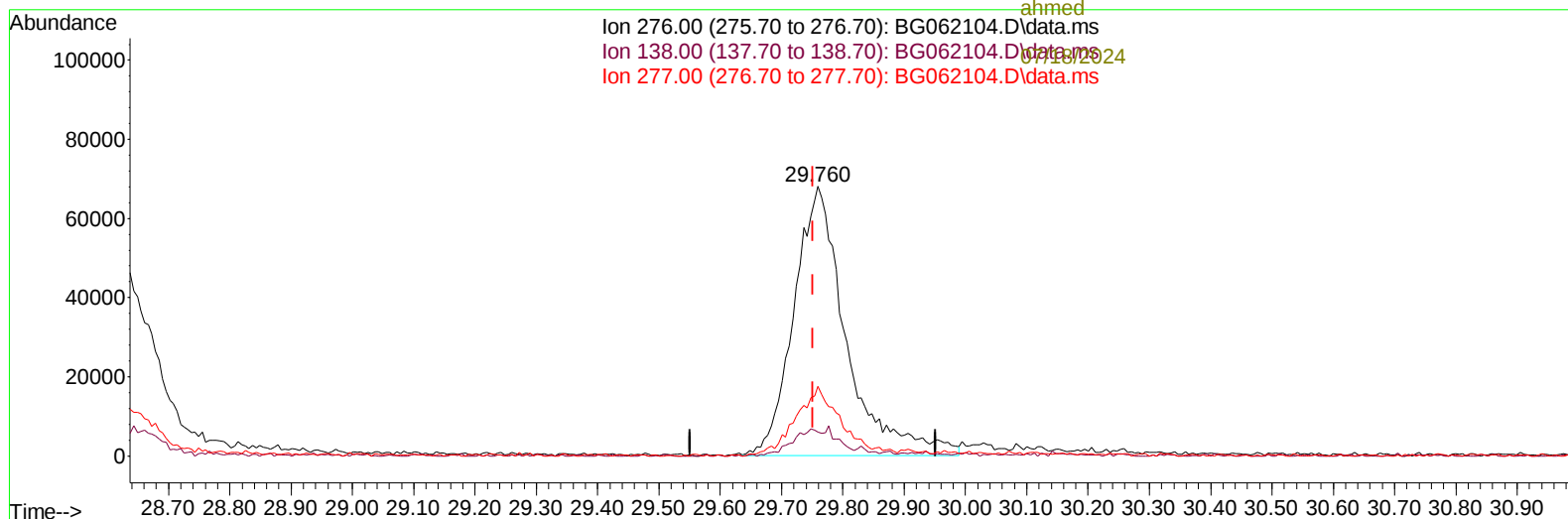
Manual IntegrationsAPPROVED

Quant Time: Jul 17 00:48:55 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 16 12:23:16 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/17/2024  
 Supervised By :mohammad ahmed 07/18/2024

07/17/2024  
 Supervised By :mohammad  
 ahmed

Ion 276.00 (275.70 to 276.70): BG062104.D\data.ms  
 Ion 138.00 (137.70 to 138.70): BG062104.D\data.ms  
 Ion 277.00 (276.70 to 277.70): BG062104.D\data.ms



TIC: BG062104.D\data.ms

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

29.760min (+ 0.008) 22.45 ng/ul m

response 404198

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 13.90  | 8.83#  |
| 277.00 | 23.50  | 25.75  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071624\  
 Data File : BG062104.D  
 Acq On : 16 Jul 2024 22:25  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Jul 17 02:09:33 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 16 12:23:16 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/17/2024  
 Supervised By :mohammad ahmed 07/18/2024

07/17/2024  
 Supervised By :mohammad  
 ahmed

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----07/18/2024               |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.050  | 152  | 31741    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.864 | 136  | 186894   | 20.000 | ng/ul  | # 0.00   |
| 38) Acenaphthene-d10          | 14.683 | 164  | 124098   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.433 | 188  | 288748   | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.693 | 240  | 273634   | 20.000 | ng/ul  | # 0.00   |
| 88) Perylene-d12              | 24.918 | 264  | 296817   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.443  | 96   | 5552     | 6.573  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.860  | 84   | 35970    | 13.850 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.227  | 99   | 78220    | 22.518 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.374  | 67   | 40128    | 18.242 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.586  | 132  | 55464    | 23.278 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.772  | 113  | 62752    | 22.944 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.225  | 128  | 25901    | 18.222 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.947  | 143  | 35392m   | 21.804 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.494 | 165  | 62029    | 19.812 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.005 | 131  | 91002    | 20.020 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.084 | 166  | 190436   | 18.666 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.383 | 160  | 216106   | 20.257 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.912 | 143  | 30360    | 18.634 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.676 | 176  | 187009   | 21.773 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.799 | 200  | 30609m   | 20.185 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.533 | 188  | 288772   | 21.420 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.812 | 212  | 334657   | 20.793 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.701 | 264  | 295060   | 20.044 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.479  | 88   | 5198m    | 5.576  | ng/uL  |          |
| 5) Pyridine                   | 3.878  | 79   | 37229    | 13.977 | ng/ul# | 81       |
| 6) Benzaldehyde               | 7.186  | 77   | 47953    | 26.084 | ng/ul  | 92       |
| 8) Phenol                     | 7.251  | 94   | 76908    | 21.625 | ng/ul# | 85       |
| 10) Bis(2-Chloroethyl)ether   | 7.468  | 93   | 51747    | 18.941 | ng/ul  | 97       |
| 12) 2-Chlorophenol            | 7.621  | 128  | 53529    | 22.051 | ng/ul  | 95       |
| 13) 2-Methylphenol            | 8.502  | 108  | 51351    | 20.230 | ng/ul  | 87       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.578  | 45   | 97927    | 16.407 | ng/ul# | 96       |
| 16) Acetophenone              | 8.878  | 105  | 97023    | 21.476 | ng/ul  | 92       |
| 17) N-Nitroso-di-n-propyla... | 8.855  | 70   | 51021    | 20.173 | ng/ul  | 90       |
| 18) 4-Methylphenol            | 8.837  | 108  | 63709    | 22.412 | ng/ul  | 96       |
| 19) Hexachloroethane          | 9.131  | 117  | 25892    | 24.587 | ng/ul# | 76       |
| 22) Nitrobenzene              | 9.266  | 77   | 73602    | 18.242 | ng/ul  | 96       |
| 23) Isophorone                | 9.783  | 82   | 134760   | 14.784 | ng/ul# | 95       |
| 25) 2-Nitrophenol             | 9.971  | 139  | 32871    | 19.857 | ng/ul# | 88       |
| 26) 2,4-Dimethylphenol        | 10.041 | 107  | 79696    | 20.116 | ng/ul  | 91       |
| 27) Bis(2-Chloroethoxy)met... | 10.265 | 93   | 81298    | 16.196 | ng/ul  | 97       |
| 29) 2,4-Dichlorophenol        | 10.523 | 162  | 52957    | 18.007 | ng/ul  | 92       |
| 30) Naphthalene               | 10.917 | 128  | 206235   | 20.089 | ng/ul# | 94       |
| 32) 4-Chloroaniline           | 11.029 | 127  | 84121    | 18.860 | ng/ul  | 98       |
| 33) Hexachlorobutadiene       | 11.187 | 225  | 53627    | 24.231 | ng/ul  | 90       |
| 34) Caprolactam               | 11.792 | 113  | 18026m   | 15.644 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.157 | 107  | 69214    | 17.671 | ng/ul  | 95       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071624\  
 Data File : BG062104.D  
 Acq On : 16 Jul 2024 22:25  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Jul 17 02:09:33 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 16 12:23:16 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/17/2024  
 Supervised By :mohammad ahmed 07/18/2024

07/17/2024  
 Supervised By :mohammad  
 ahmed

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.515 | 142  | 149478   | 20.098 | ng/ul  | 97       |
| 37) 1-Methylnaphthalene       | 12.738 | 142  | 158330   | 20.485 | ng/ul  | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 12.879 | 216  | 91881    | 24.655 | ng/ul  | 91       |
| 40) Hexachlorocyclopentadiene | 12.850 | 237  | 41544    | 16.746 | ng/ul# | 89       |
| 41) 2,4,6-Trichlorophenol     | 13.132 | 196  | 46610    | 18.830 | ng/ul  | 94       |
| 42) 2,4,5-Trichlorophenol     | 13.208 | 196  | 53299    | 19.602 | ng/ul  | 86       |
| 43) 1,1'-Biphenyl             | 13.520 | 154  | 212480   | 22.222 | ng/ul  | 96       |
| 44) 2-Chloronaphthalene       | 13.567 | 162  | 164120   | 22.870 | ng/ul  | 94       |
| 45) 2-Nitroaniline            | 13.772 | 65   | 70200    | 24.428 | ng/ul  | 93       |
| 47) Dimethylphthalate         | 14.131 | 163  | 177585   | 18.096 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.260 | 165  | 39867    | 21.415 | ng/ul  | 93       |
| 50) Acenaphthylene            | 14.413 | 152  | 228067   | 19.478 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.595 | 138  | 37434    | 20.657 | ng/ul  | 96       |
| 52) Acenaphthene              | 14.748 | 153  | 175270   | 21.678 | ng/ul  | 95       |
| 53) 2,4-Dinitrophenol         | 14.806 | 184  | 18676    | 19.202 | ng/ul  | 94       |
| 55) 4-Nitrophenol             | 14.924 | 109  | 42591    | 22.904 | ng/ul  | 93       |
| 56) Dibenzofuran              | 15.083 | 168  | 253454   | 22.180 | ng/ul  | 94       |
| 57) 2,4-Dinitrotoluene        | 15.047 | 165  | 65115    | 23.850 | ng/ul# | 73       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.312 | 232  | 52049    | 21.198 | ng/ul# | 94       |
| 59) Diethylphthalate          | 15.488 | 149  | 222537   | 21.044 | ng/ul  | 95       |
| 61) Fluorene                  | 15.729 | 166  | 207997   | 21.404 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.717 | 204  | 111016   | 22.744 | ng/ul  | 91       |
| 63) 4-Nitroaniline            | 15.758 | 138  | 39063m   | 21.244 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.817 | 198  | 29967    | 18.362 | ng/ul# | 98       |
| 67) N-Nitrosodiphenylamine    | 15.935 | 169  | 154131   | 19.546 | ng/ul  | 96       |
| 68) 4-Bromophenyl-phenylether | 16.610 | 248  | 78646    | 24.008 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.728 | 284  | 92550    | 24.570 | ng/ul  | 97       |
| 70) Atrazine                  | 16.881 | 200  | 76975    | 24.728 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 17.080 | 266  | 37783    | 18.249 | ng/ul  | 95       |
| 72) Phenanthrene              | 17.474 | 178  | 310087   | 20.367 | ng/ul  | 98       |
| 74) Anthracene                | 17.562 | 178  | 339131   | 21.554 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.490 | 216  | 92041    | 25.665 | ng/ul  | 96       |
| 76) Pentachlorobenzene        | 15.000 | 250  | 104505   | 25.549 | ng/ul  | 96       |
| 77) Carbazole                 | 17.838 | 167  | 293608   | 22.173 | ng/ul# | 96       |
| 78) Di-n-butylphthalate       | 18.373 | 149  | 314827   | 18.518 | ng/ul# | 97       |
| 80) Fluoranthene              | 19.477 | 202  | 389819   | 20.466 | ng/ul# | 92       |
| 82) Pyrene                    | 19.842 | 202  | 395437   | 20.098 | ng/ul# | 91       |
| 83) Butylbenzylphthalate      | 20.711 | 149  | 138821   | 16.812 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.587 | 252  | 152262   | 23.390 | ng/ul# | 95       |
| 85) Benzo(a)anthracene        | 21.675 | 228  | 400155   | 20.198 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.557 | 149  | 230711   | 19.471 | ng/ul  | 98       |
| 87) Chrysene                  | 21.740 | 228  | 376891   | 20.321 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.768 | 149  | 351293   | 19.373 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.890 | 252  | 417472   | 22.324 | ng/ul# | 94       |
| 91) Benzo(k)fluoranthene      | 23.960 | 252  | 439064   | 23.545 | ng/ul# | 96       |
| 93) Benzo(a)pyrene            | 24.765 | 252  | 344943   | 19.479 | ng/ul# | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.602 | 276  | 445284m  | 19.677 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.661 | 278  | 364519   | 19.504 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 29.760 | 276  | 404198m  | 22.452 | ng/ul  |          |

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

**Instrument :**  
BNA\_G  
**LabSampleId :**  
SSTDCCC020EC

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 07/17/2024  
Supervised By :mohammad ahmed 07/18/2024

07/17/2024  
Supervised By :mohammad  
ahmed

07/18/2024

