

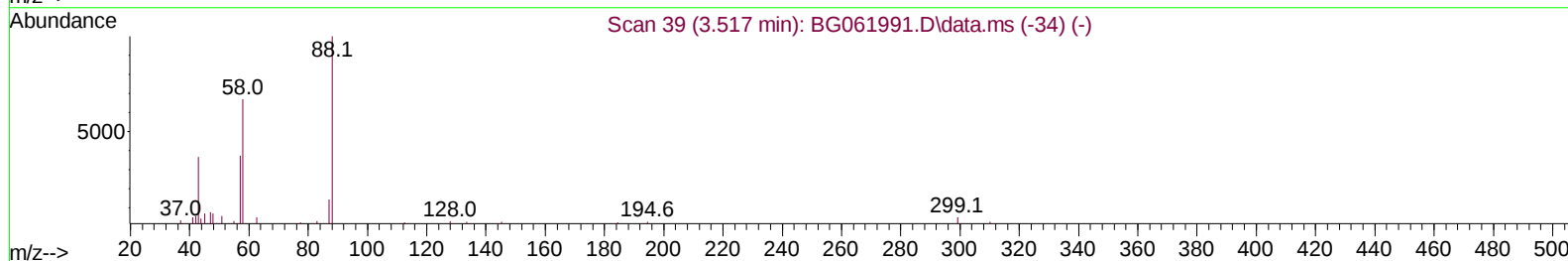
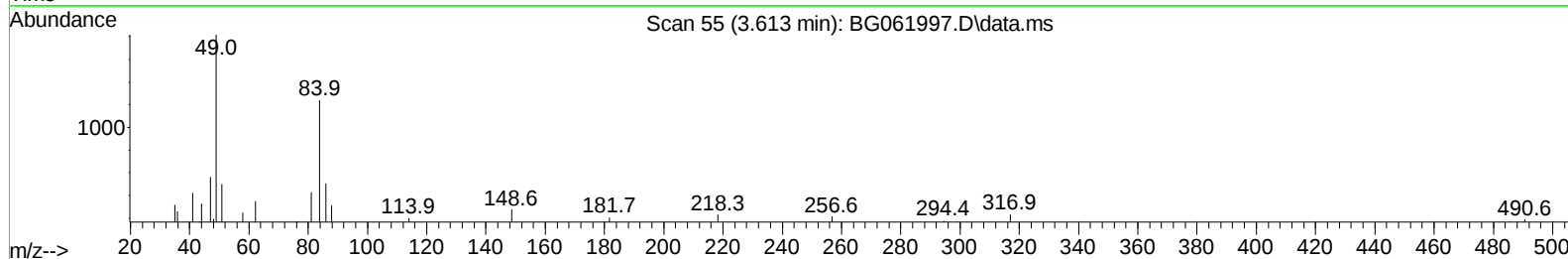
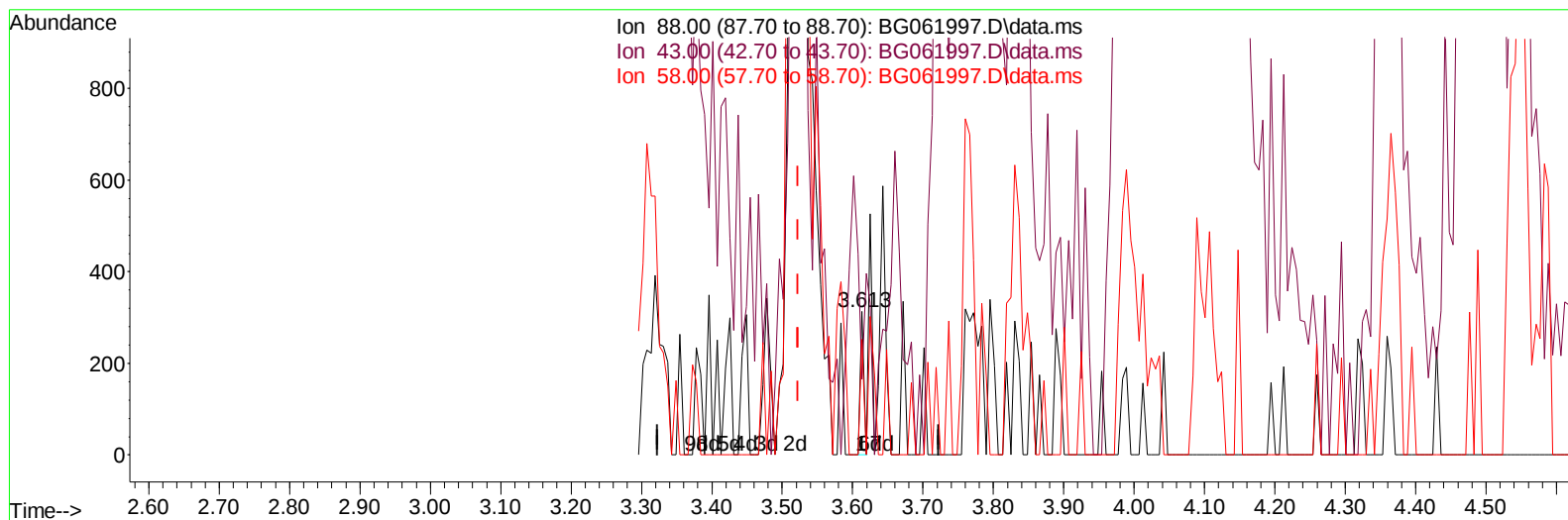
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071024\  
Data File : BG061997.D  
Acq On : 10 Jul 2024 13:54  
Operator : MA/JU  
Sample : P3109-07MS  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
H0HC4MS

Manual IntegrationsAPPROVED

Quant Time: Jul 10 14:32:43 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jul 03 02:38:46 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024



TIC: BG061997.D\data.ms

(2) 1,4-Dioxane

3.613min (+ 0.090) 0.07 ng/uL

response 110

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 88.00 | 100.00 | 100.00 |
| 43.00 | 49.30  | 52.72  |
| 58.00 | 97.60  | 80.51  |
| 0.00  | 0.00   | 0.00   |

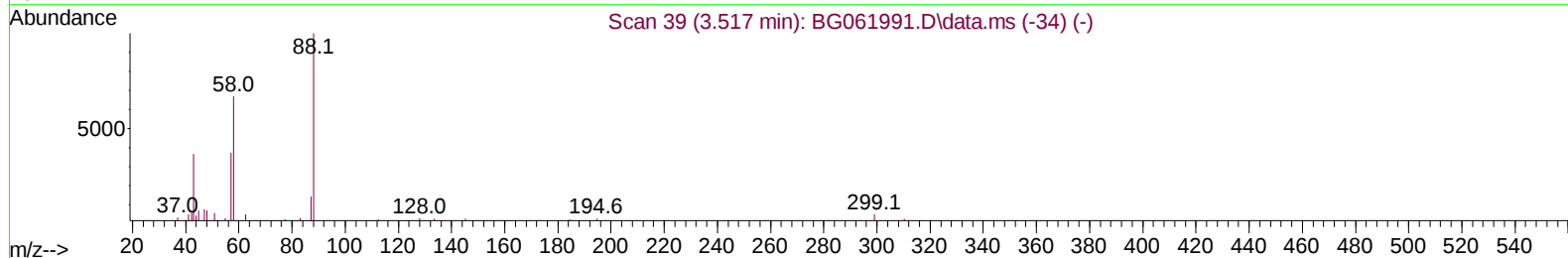
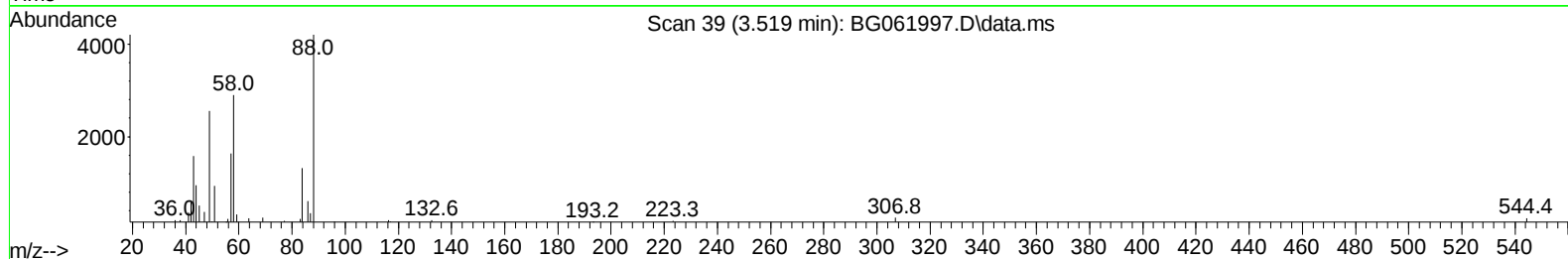
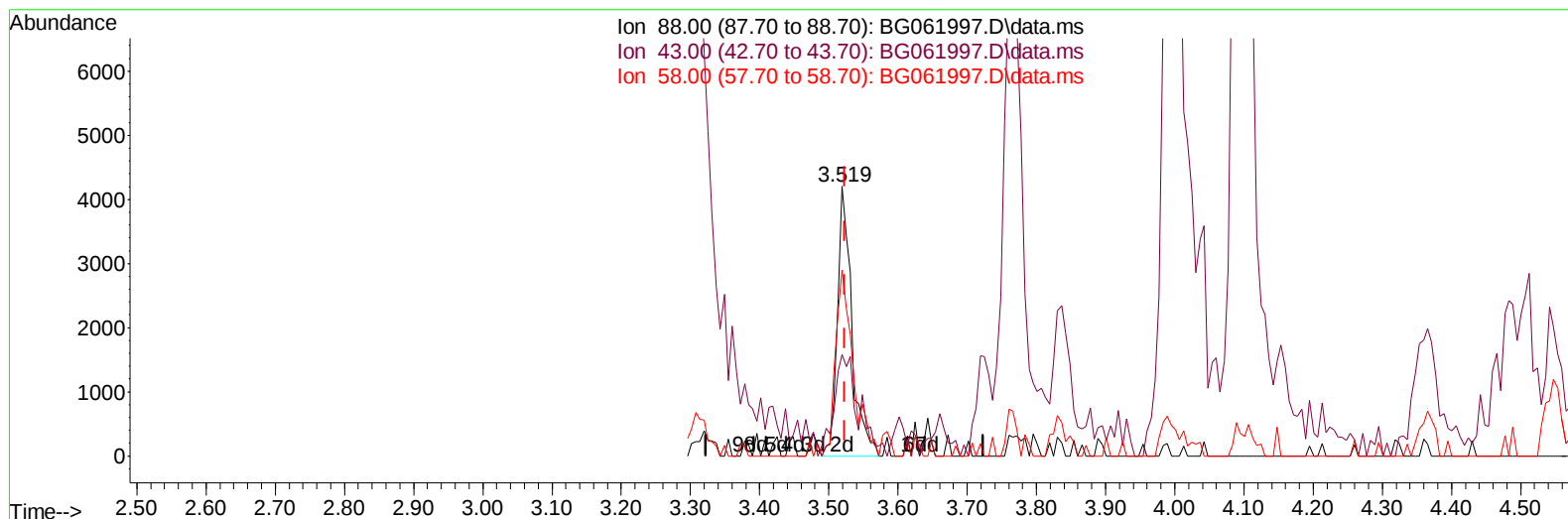
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071024\  
Data File : BG061997.D  
Acq On : 10 Jul 2024 13:54  
Operator : MA/JU  
Sample : P3109-07MS  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
H0HC4MS

Manual IntegrationsAPPROVED

Quant Time: Jul 10 14:32:43 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jul 03 02:38:46 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024



TIC: BG061997.D\data.ms

(2) 1,4-Dioxane

3.519min (-0.004) 4.05 ng/uL m

response 6065

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 88.00 | 100.00 | 100.00 |
| 43.00 | 49.30  | 37.67# |
| 58.00 | 97.60  | 68.92# |
| 0.00  | 0.00   | 0.00   |

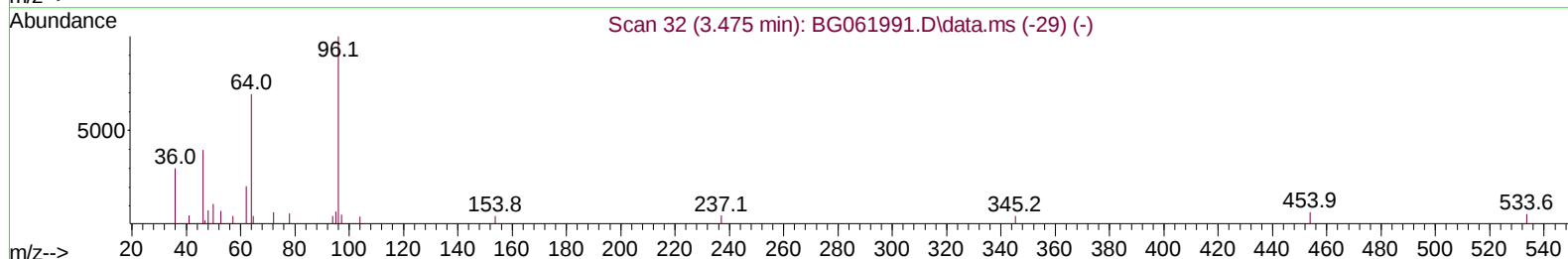
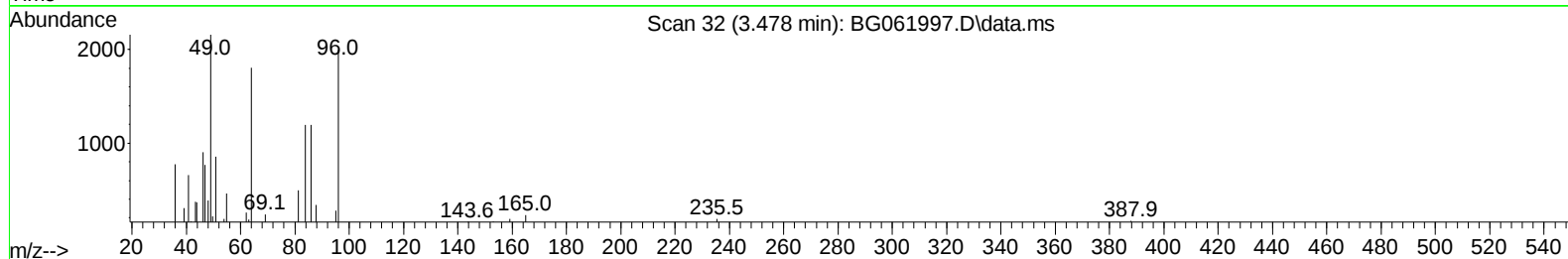
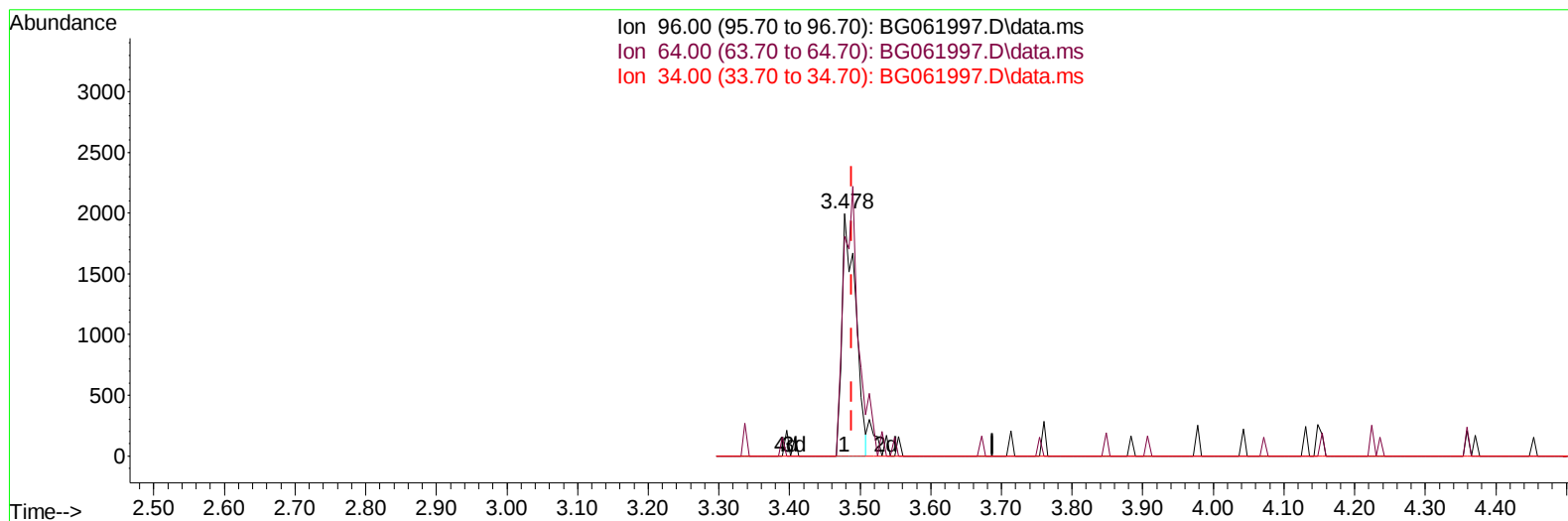
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071024\  
 Data File : BG061997.D  
 Acq On : 10 Jul 2024 13:54  
 Operator : MA/JU  
 Sample : P3109-07MS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 H0HC4MS

Manual IntegrationsAPPROVED

Quant Time: Jul 10 14:32:43 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 03 02:38:46 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/11/2024  
 Supervised By :mohammad ahmed 07/11/2024



TIC: BG061997.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.478min (-0.010) 1.98 ng/uL

response 2694

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 104.80 | 90.43  |
| 34.00 | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

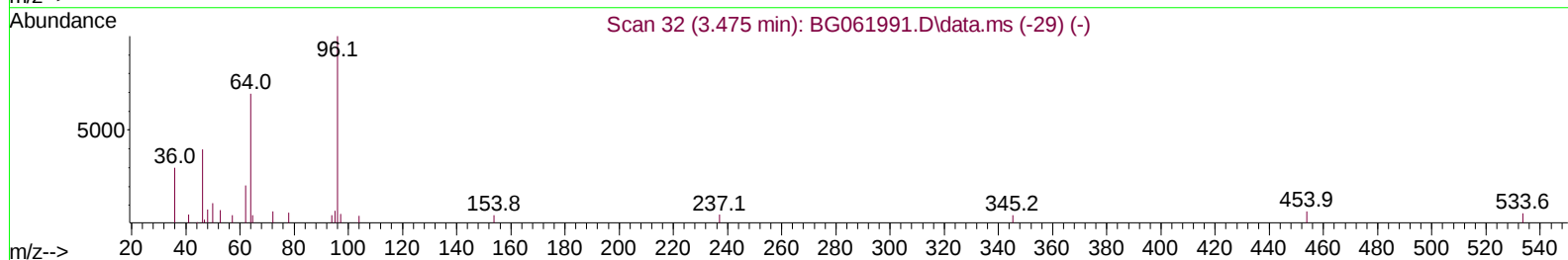
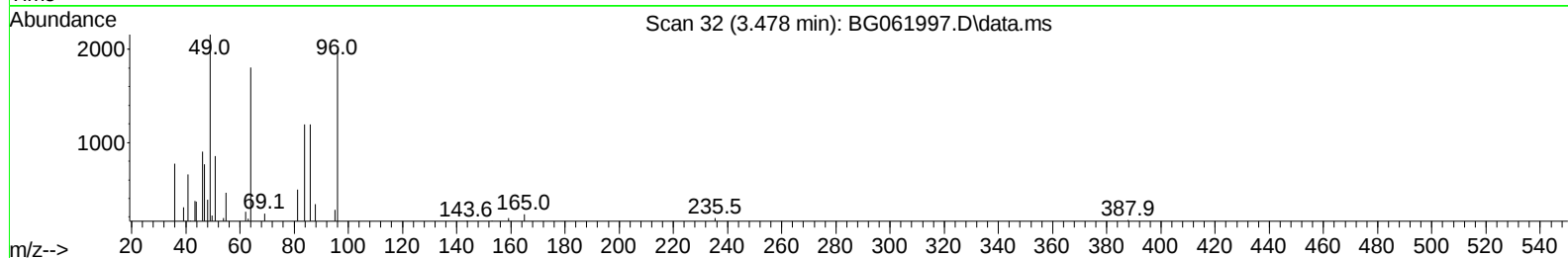
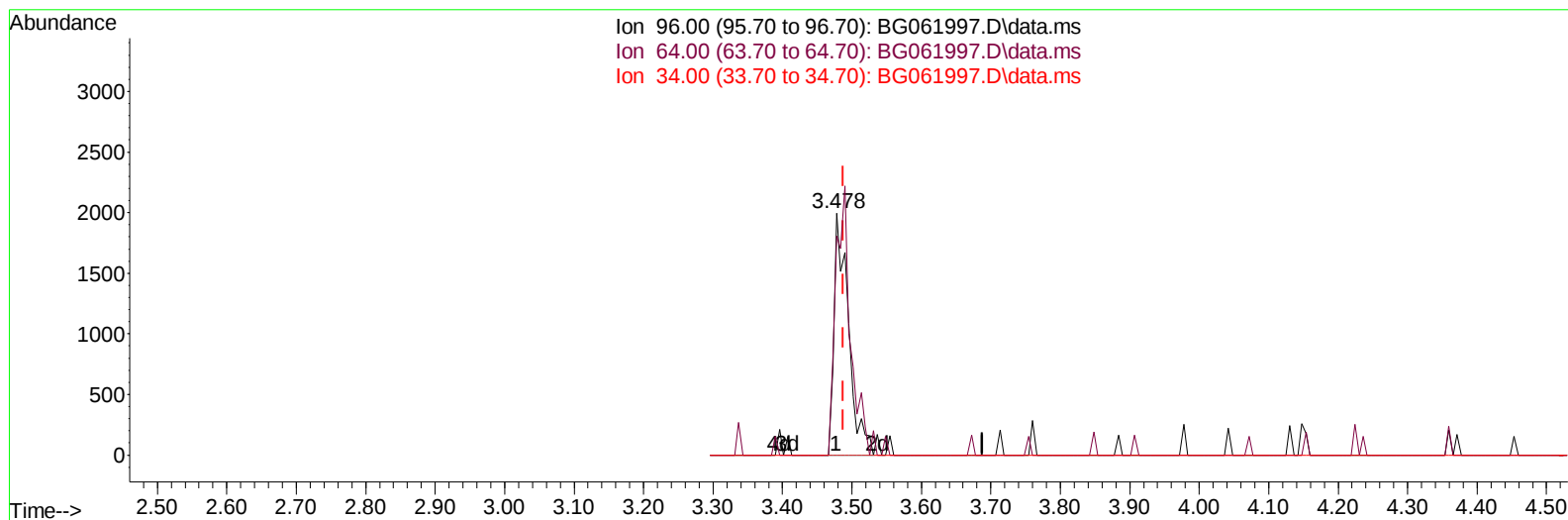
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071024\  
Data File : BG061997.D  
Acq On : 10 Jul 2024 13:54  
Operator : MA/JU  
Sample : P3109-07MS  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
H0HC4MS

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024

Quant Time: Jul 10 14:32:43 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jul 03 02:38:46 2024  
Response via : Initial Calibration



TIC: BG061997.D\data.ms

## (3) 1,4-Dioxane-d8 (S)

3.478min (-0.010) 2.15 ng/uL m

response 2914

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 104.80 | 90.43  |
| 34.00 | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

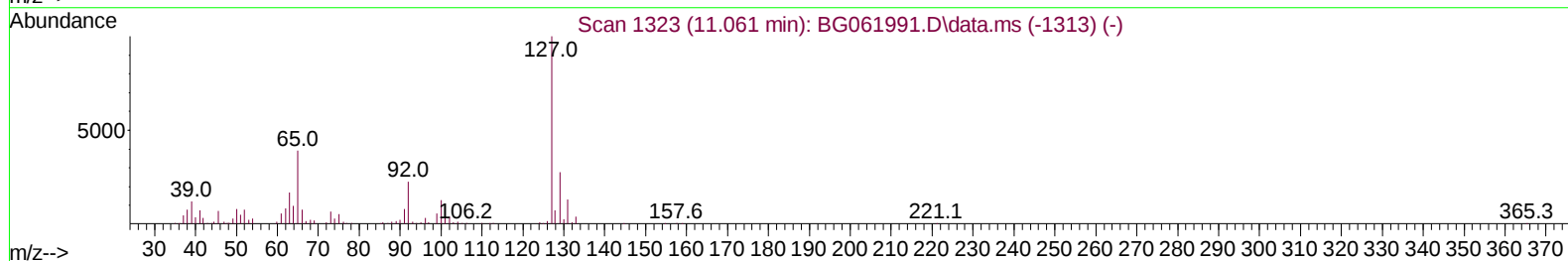
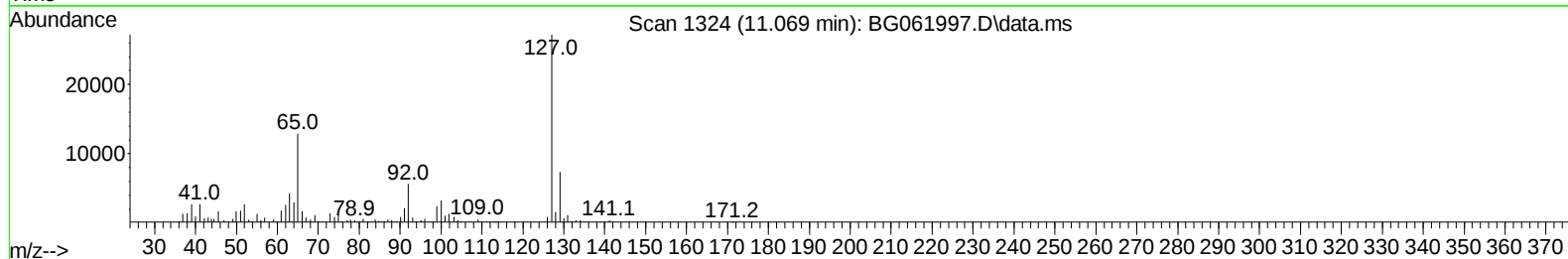
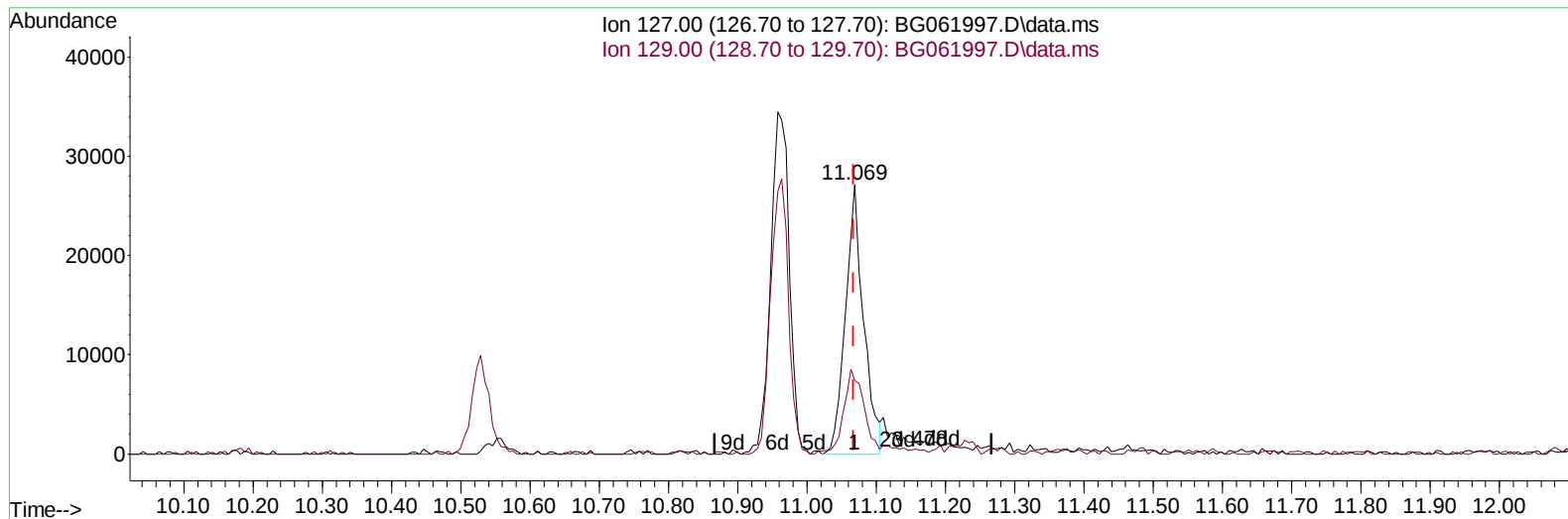
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071024\  
Data File : BG061997.D  
Acq On : 10 Jul 2024 13:54  
Operator : MA/JU  
Sample : P3109-07MS  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
H0HC4MS

Manual IntegrationsAPPROVED

Quant Time: Jul 10 14:32:43 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jul 03 02:38:46 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024



TIC: BG061997.D\data.ms

(32) 4-Chloroaniline

11.069min (+ 0.002) 8.29 ng/ul

response 49251

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 127.00 | 100.00 | 100.00 |
| 129.00 | 30.30  | 27.18  |
| 0.00   | 0.00   | 0.00   |
| 0.00   | 0.00   | 0.00   |

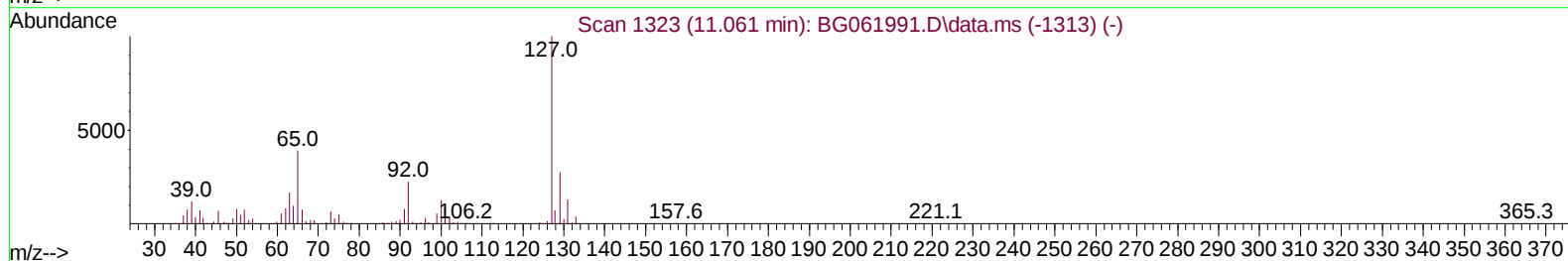
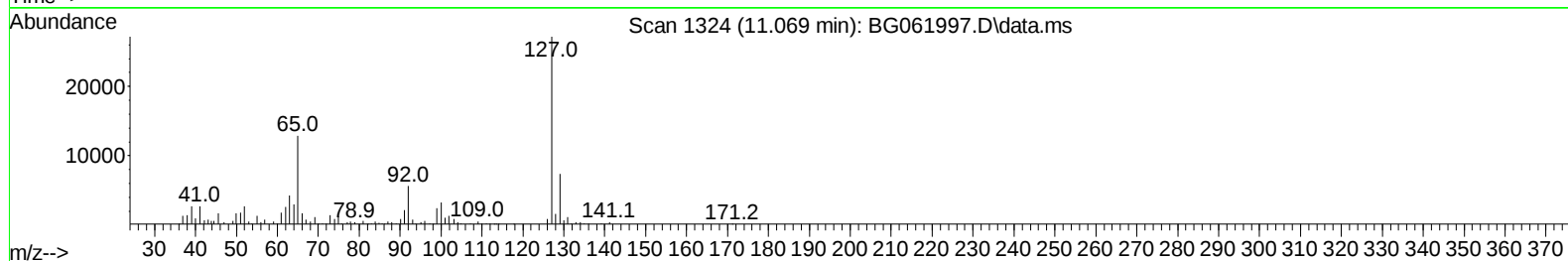
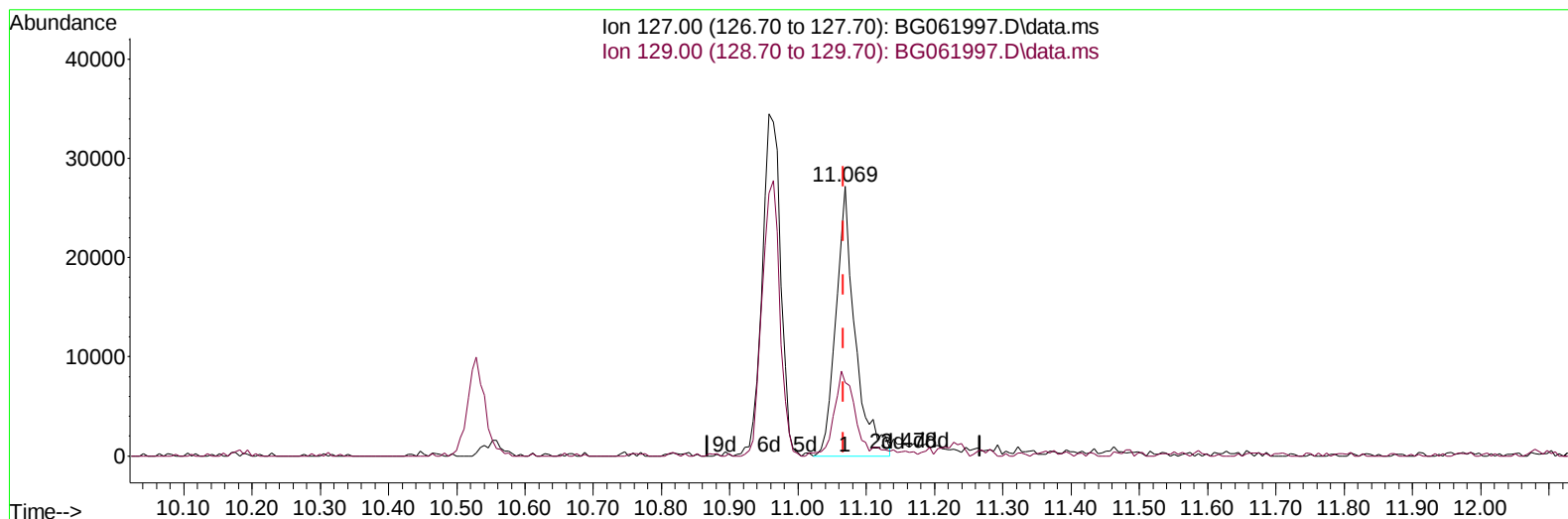
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071024\  
Data File : BG061997.D  
Acq On : 10 Jul 2024 13:54  
Operator : MA/JU  
Sample : P3109-07MS  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
H0HC4MS

Manual IntegrationsAPPROVED

Quant Time: Jul 10 14:32:43 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jul 03 02:38:46 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024



TIC: BG061997.D\data.ms

(32) 4-Chloroaniline

11.069min (+ 0.002) 8.89 ng/ul m

response 52861

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 127.00 | 100.00 | 100.00 |
| 129.00 | 30.30  | 27.18  |
| 0.00   | 0.00   | 0.00   |
| 0.00   | 0.00   | 0.00   |

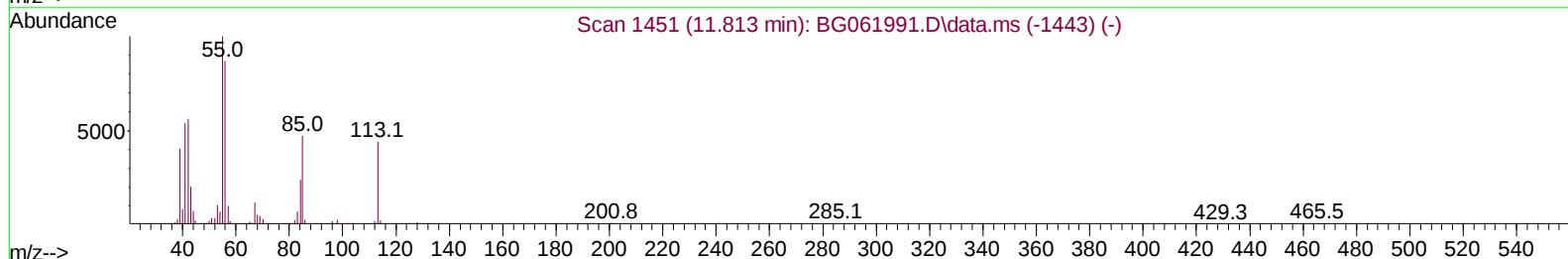
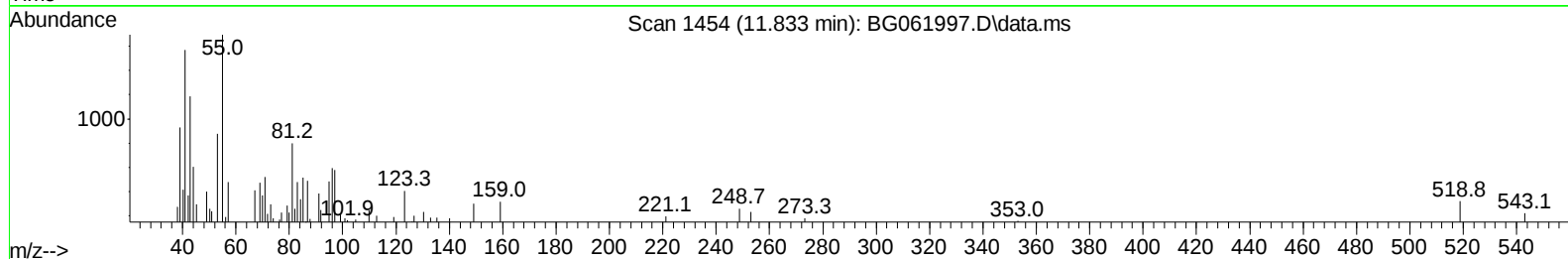
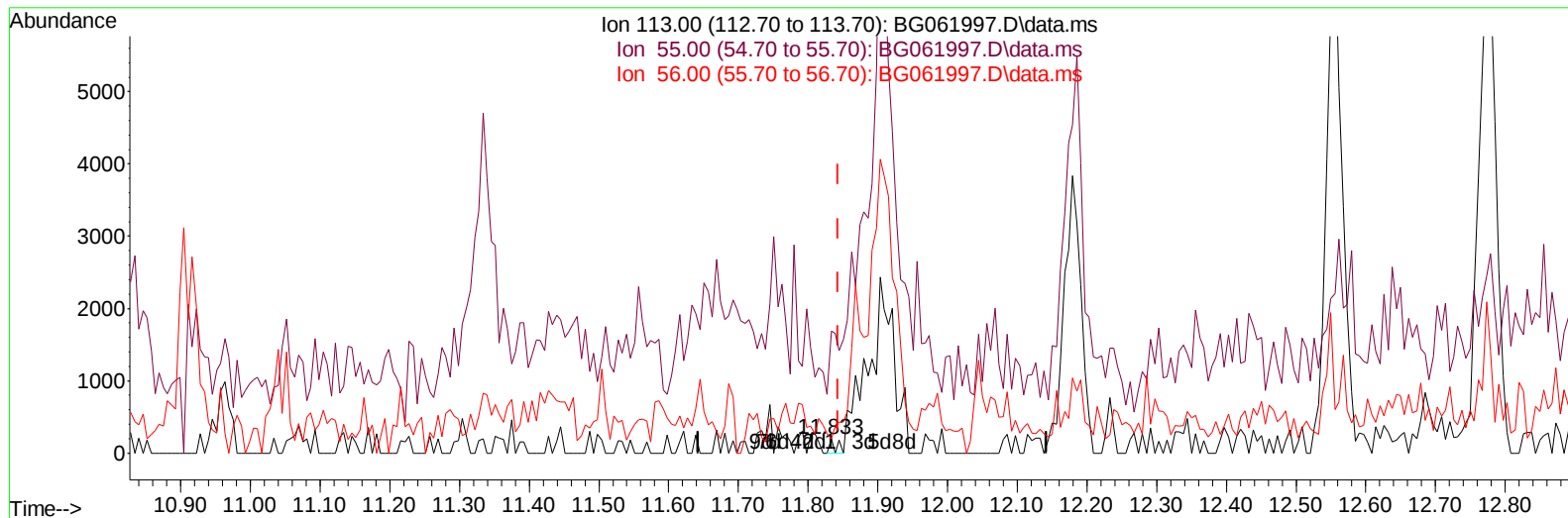
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071024\  
Data File : BG061997.D  
Acq On : 10 Jul 2024 13:54  
Operator : MA/JU  
Sample : P3109-07MS  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
H0HC4MS

Manual IntegrationsAPPROVED

Quant Time: Jul 10 14:32:43 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jul 03 02:38:46 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024



TIC: BG061997.D\data.ms

(34) Caprolactam

11.833min (-0.010) 0.09 ng/u1

response 136

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 113.00 | 100.00 | 100.00  |
| 55.00  | 230.70 | 838.12# |
| 56.00  | 168.80 | 96.04#  |
| 0.00   | 0.00   | 0.00    |

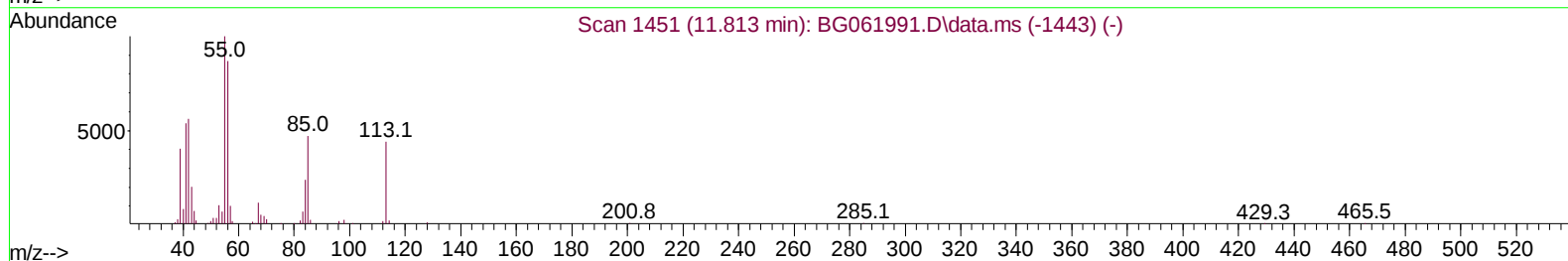
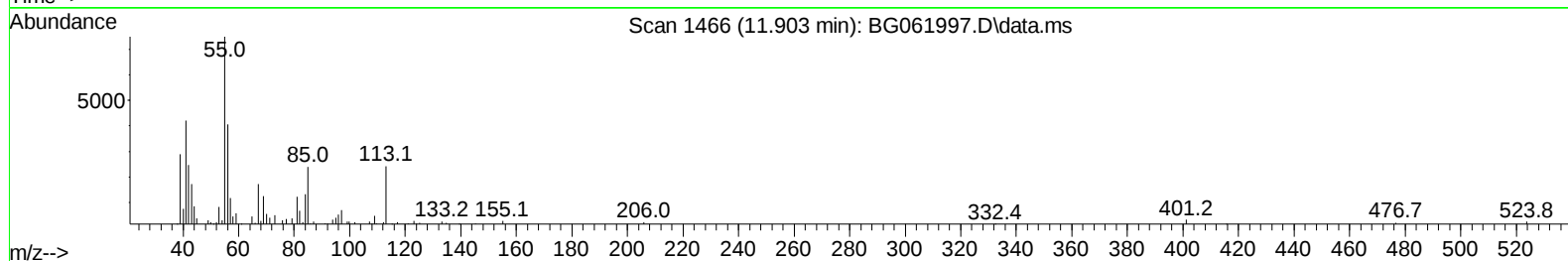
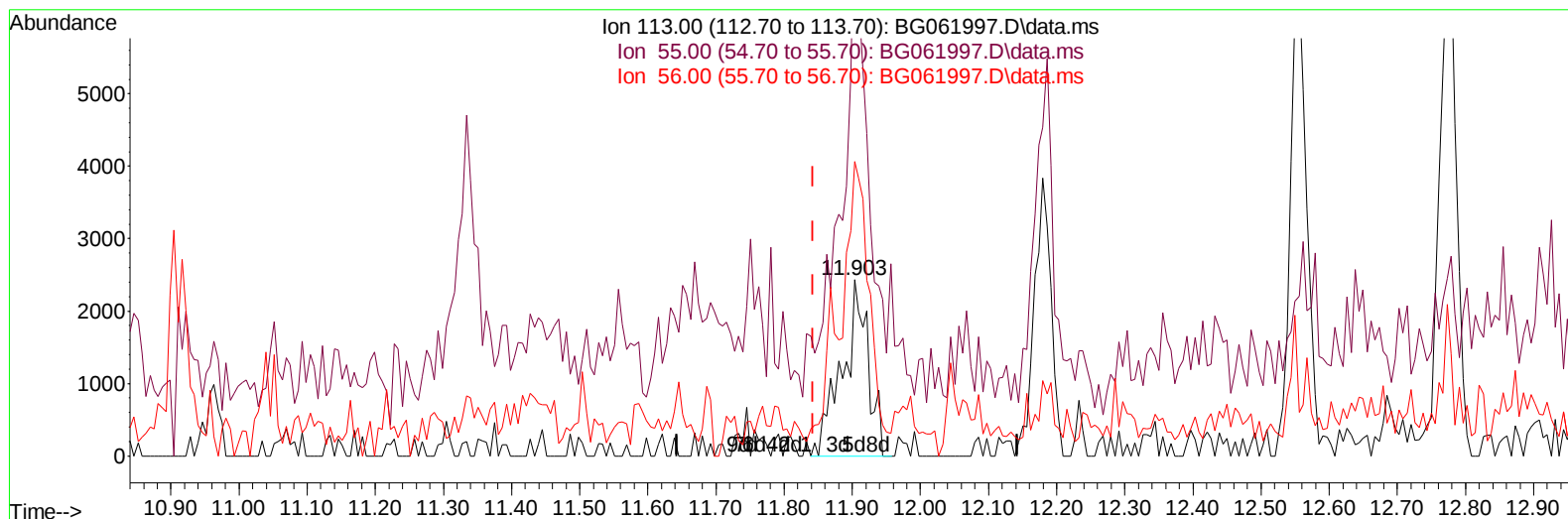
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071024\  
Data File : BG061997.D  
Acq On : 10 Jul 2024 13:54  
Operator : MA/JU  
Sample : P3109-07MS  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
H0HC4MS

Manual IntegrationsAPPROVED

Quant Time: Jul 10 14:32:43 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jul 03 02:38:46 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024



TIC: BG061997.D\data.ms

(34) Caprolactam

11.903min (+ 0.061) 4.17 ng/ul m

response 6404

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 113.00 | 100.00 | 100.00  |
| 55.00  | 230.70 | 308.23# |
| 56.00  | 168.80 | 167.12  |
| 0.00   | 0.00   | 0.00    |

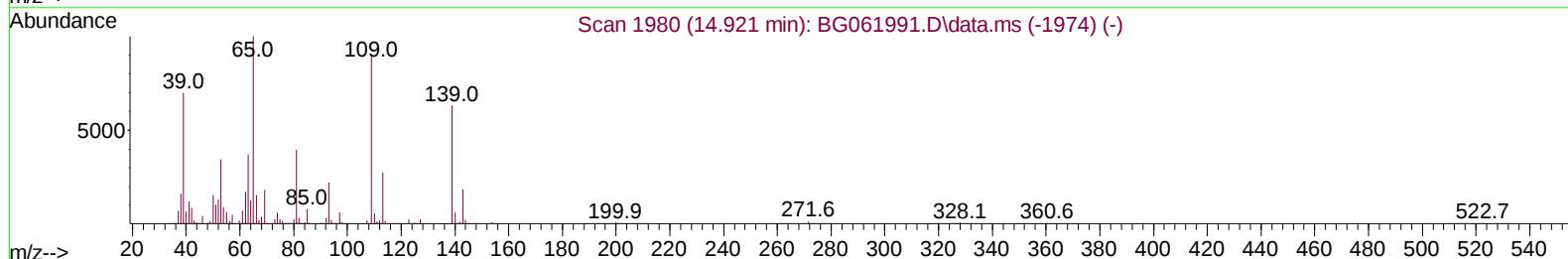
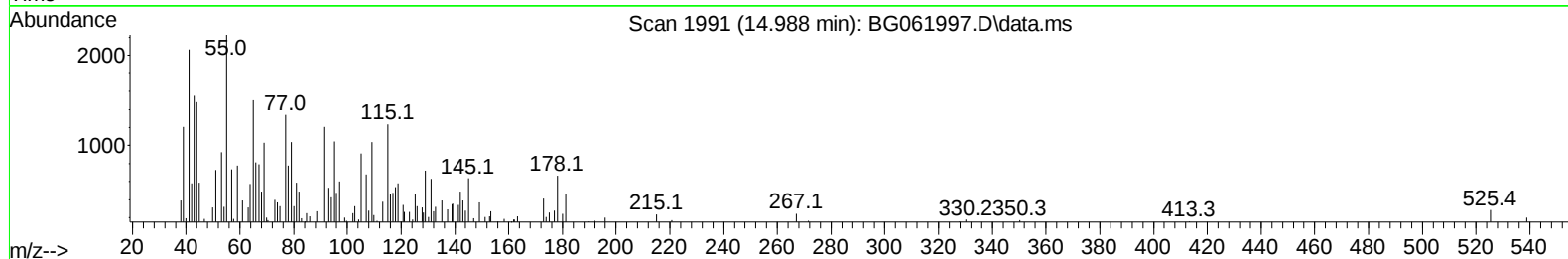
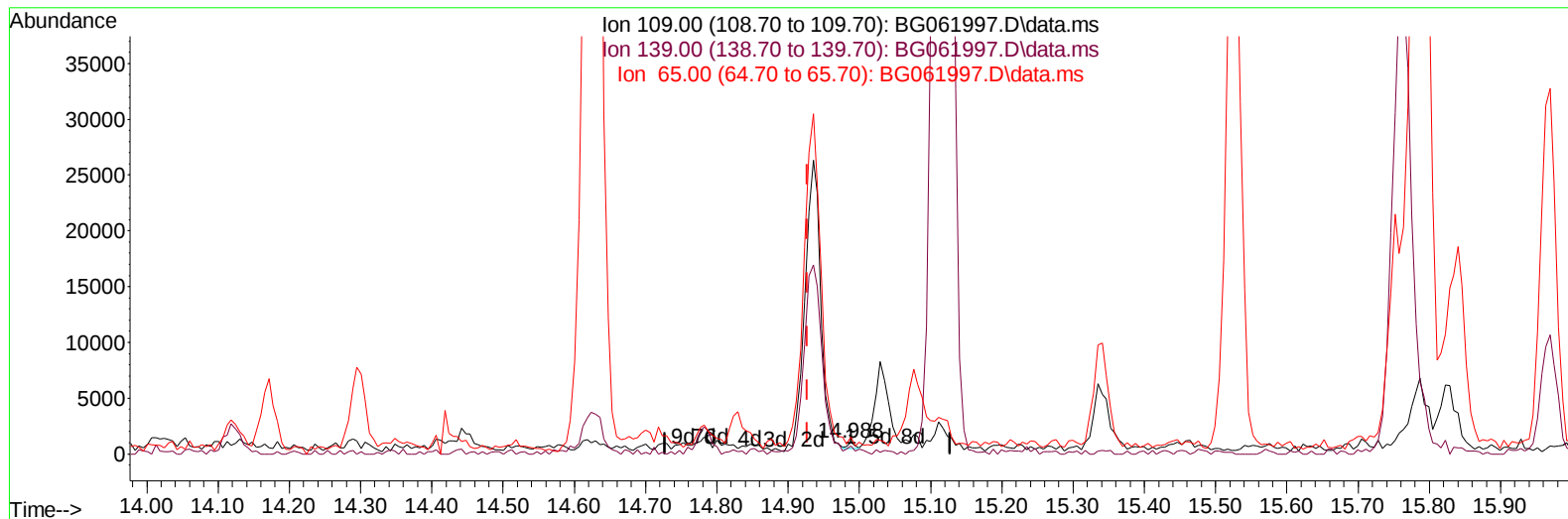
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071024\  
Data File : BG061997.D  
Acq On : 10 Jul 2024 13:54  
Operator : MA/JU  
Sample : P3109-07MS  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
H0HC4MS

Manual IntegrationsAPPROVED

Quant Time: Jul 10 14:32:43 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jul 03 02:38:46 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024



TIC: BG061997.D\data.ms

**(55) 4-Nitrophenol**

**14.988min (+ 0.061) 0.13 ng/ul**

**response 329**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 109.00 | 100.00 | 100.00 |
| 139.00 | 84.30  | 68.21  |
| 65.00  | 127.60 | 144.80 |
| 0.00   | 0.00   | 0.00   |

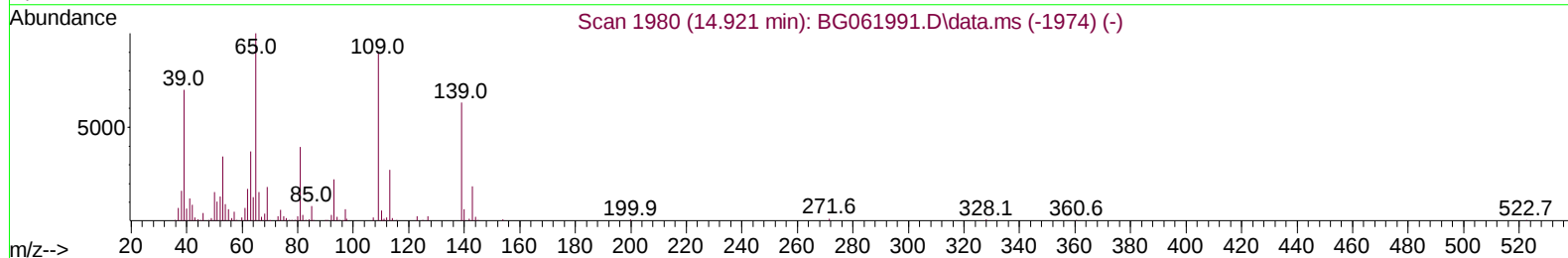
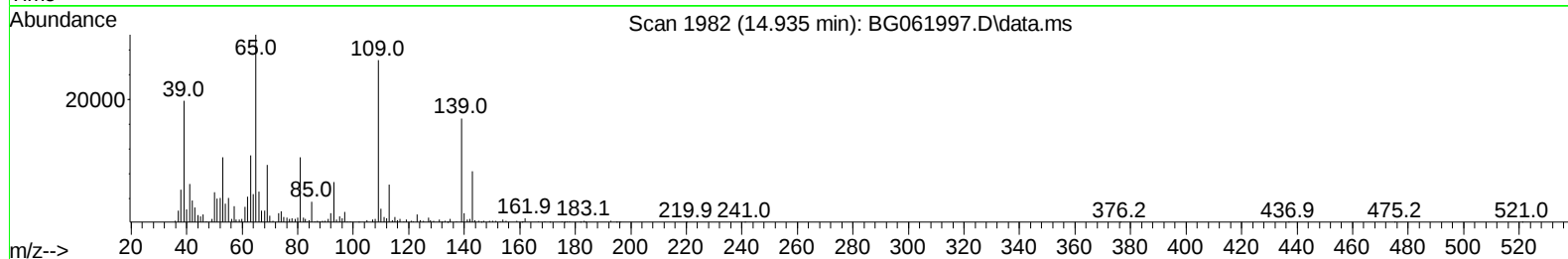
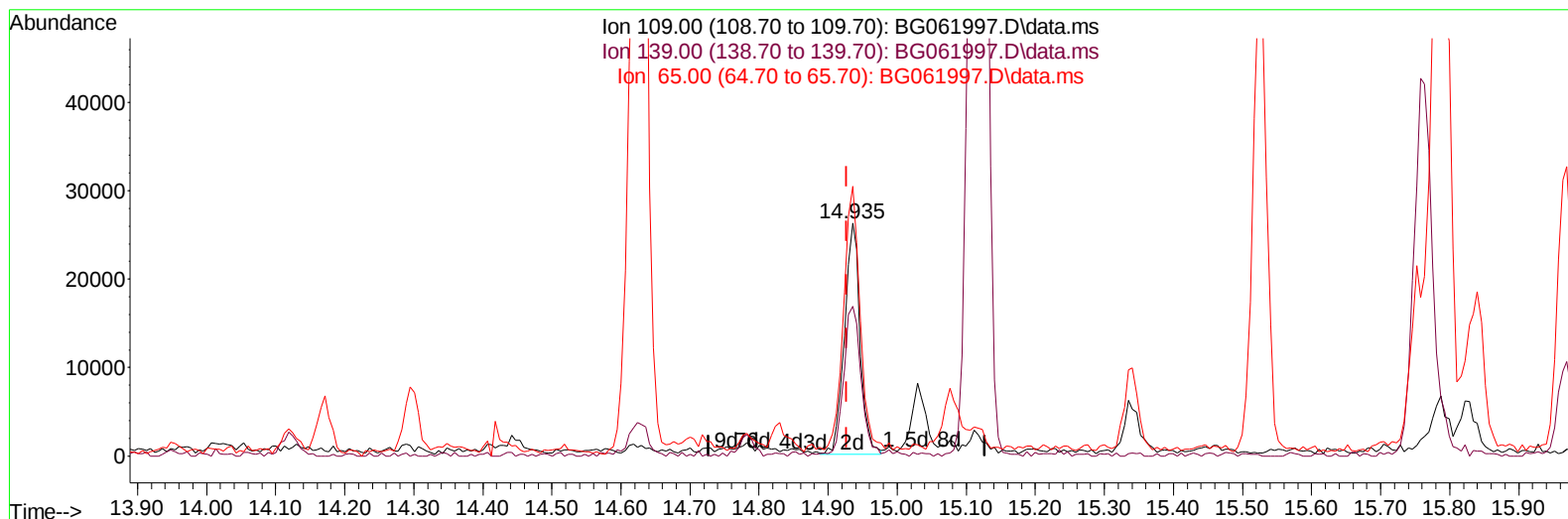
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071024\  
Data File : BG061997.D  
Acq On : 10 Jul 2024 13:54  
Operator : MA/JU  
Sample : P3109-07MS  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
H0HC4MS

Manual IntegrationsAPPROVED

Quant Time: Jul 10 14:32:43 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jul 03 02:38:46 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024



TIC: BG061997.D\data.ms

**(55) 4-Nitrophenol**

**14.935min (+ 0.008) 15.60 ng/ul m**

**response 40968**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 109.00 | 100.00 | 100.00 |
| 139.00 | 84.30  | 64.22# |
| 65.00  | 127.60 | 115.66 |
| 0.00   | 0.00   | 0.00   |

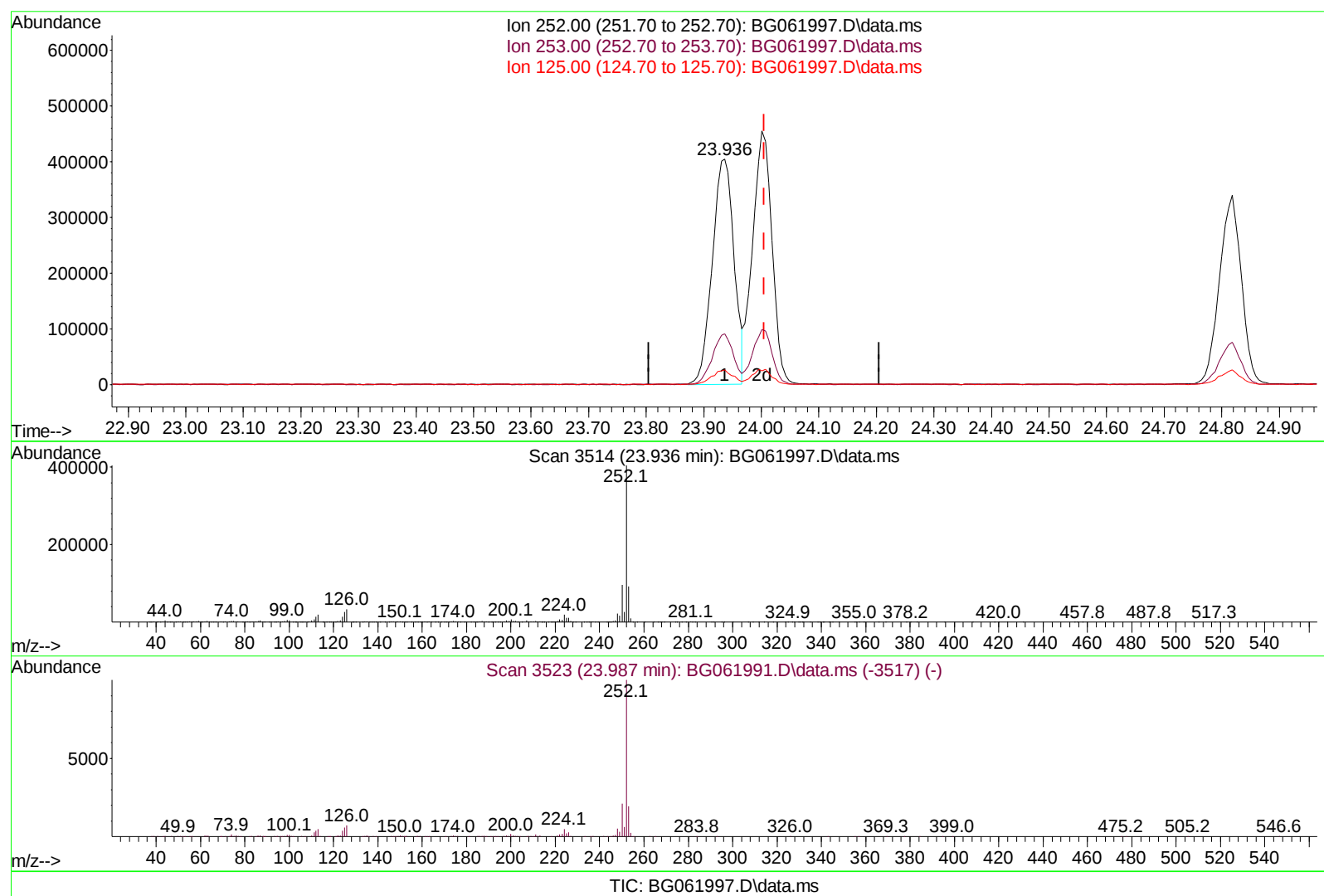
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071024\  
Data File : BG061997.D  
Acq On : 10 Jul 2024 13:54  
Operator : MA/JU  
Sample : P3109-07MS  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
H0HC4MS

Manual IntegrationsAPPROVED

Quant Time: Jul 10 14:32:43 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jul 03 02:38:46 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024



(91) Benzo(k)fluoranthene

23.936min (-0.068) 41.21 ng/u1

response 1063678

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 24.10  | 22.60  |
| 125.00 | 7.90   | 6.42   |
| 0.00   | 0.00   | 0.00   |

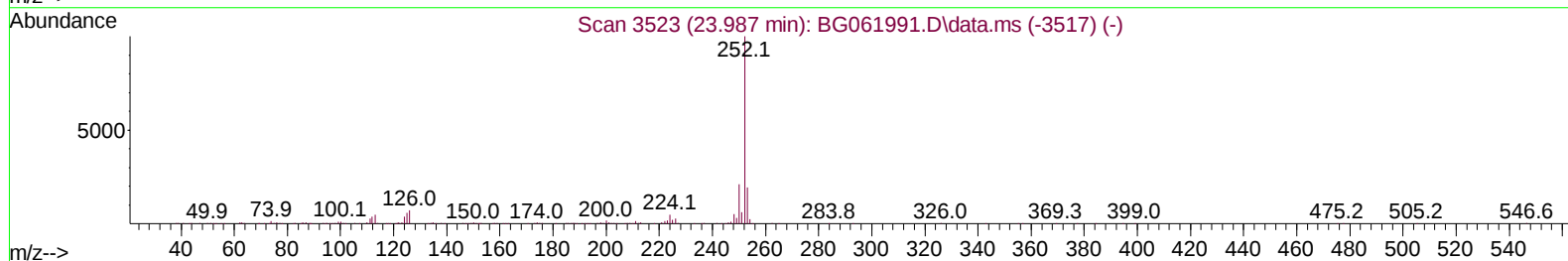
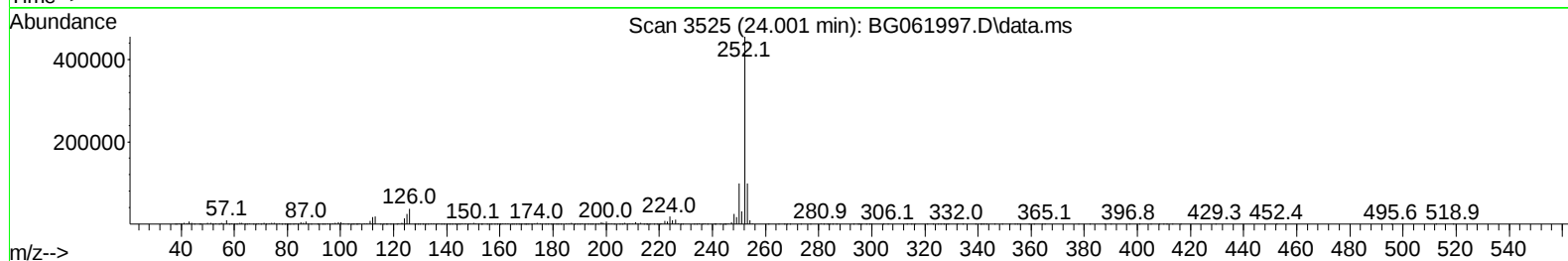
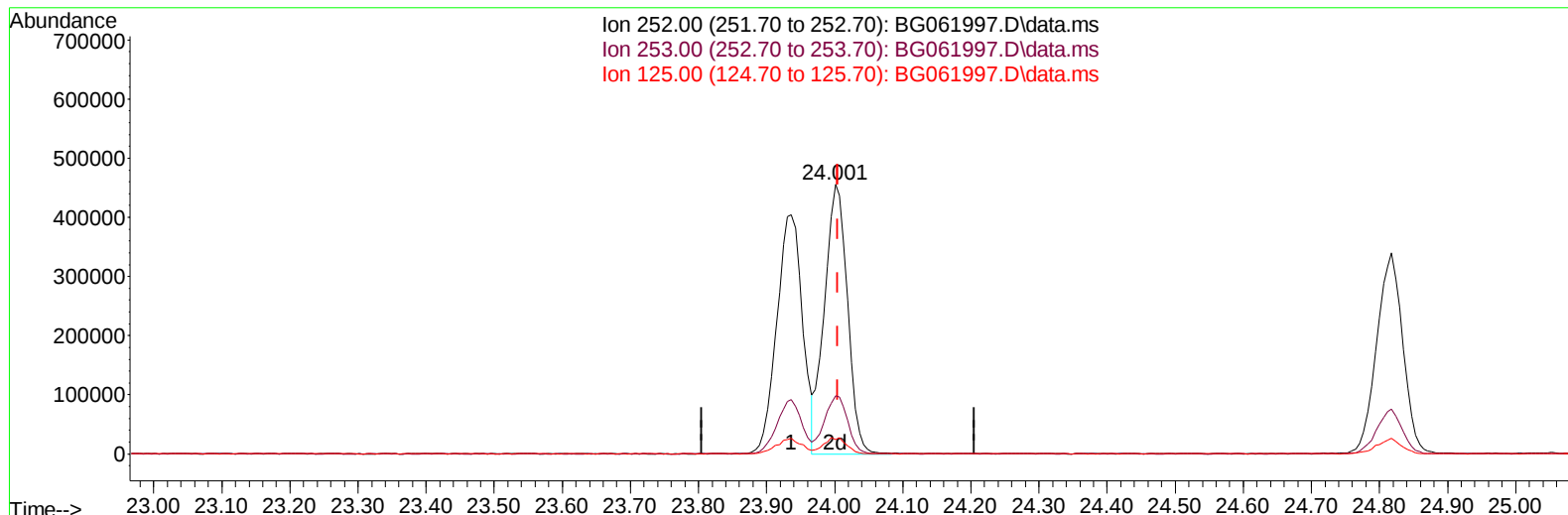
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071024\  
Data File : BG061997.D  
Acq On : 10 Jul 2024 13:54  
Operator : MA/JU  
Sample : P3109-07MS  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
H0HC4MS

Manual IntegrationsAPPROVED

Quant Time: Jul 10 14:32:43 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jul 03 02:38:46 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024



TIC: BG061997.D\data.ms

(91) Benzo(k)fluoranthene

24.001min (-0.004) 41.45 ng/ul m

response 1069881

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 24.10  | 21.64  |
| 125.00 | 7.90   | 5.34#  |
| 0.00   | 0.00   | 0.00   |

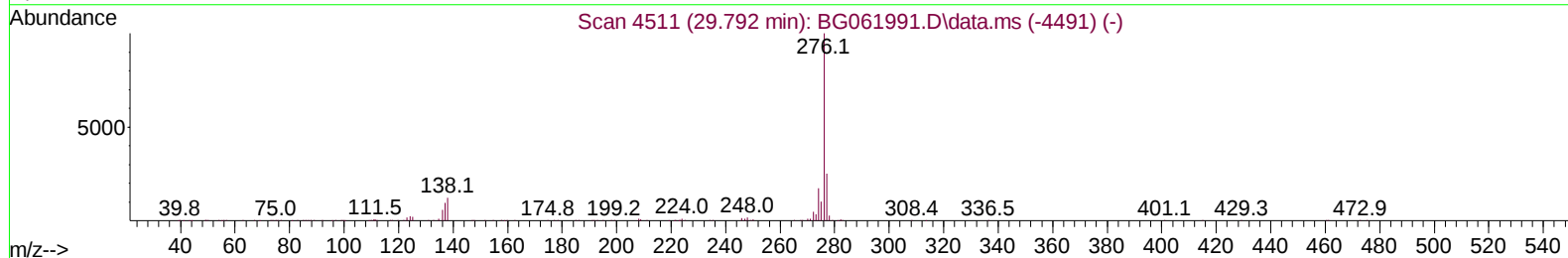
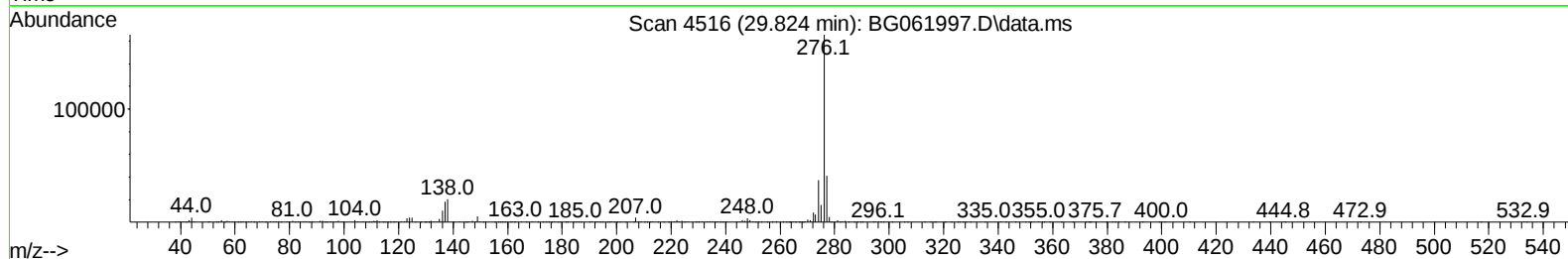
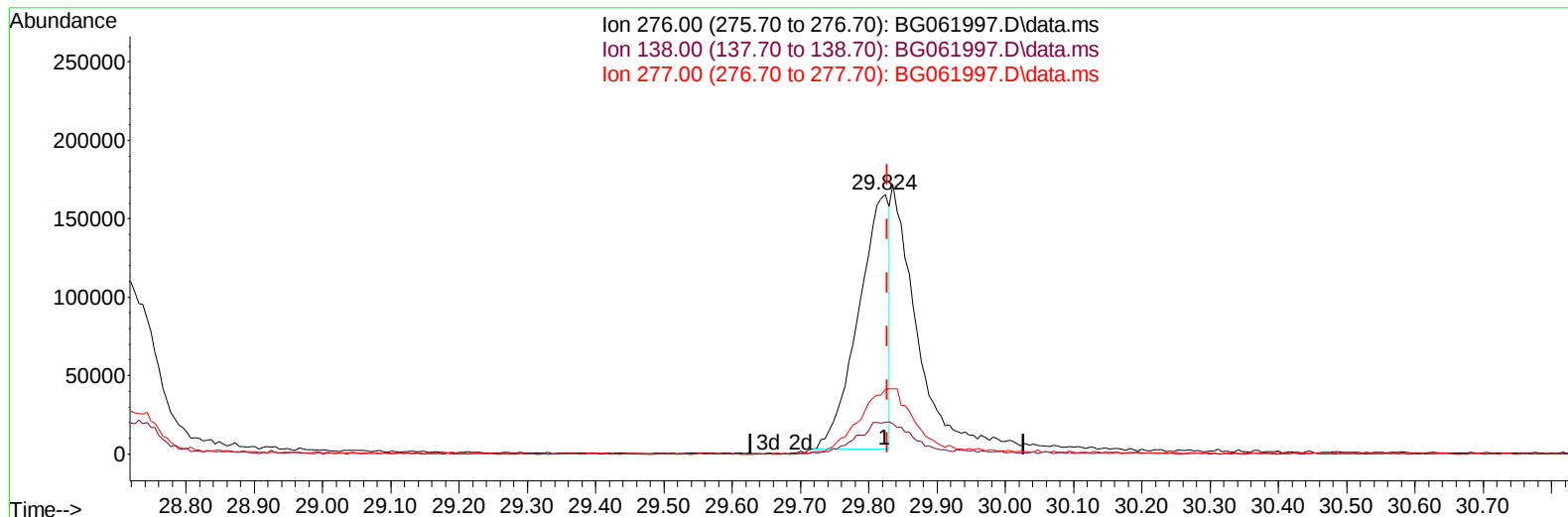
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071024\  
Data File : BG061997.D  
Acq On : 10 Jul 2024 13:54  
Operator : MA/JU  
Sample : P3109-07MS  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
H0HC4MS

Manual IntegrationsAPPROVED

Quant Time: Jul 10 14:32:43 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jul 03 02:38:46 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024



TIC: BG061997.D\data.ms

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

29.824min (-0.004) 20.49 ng/u1

response 510539

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 13.90  | 12.15  |
| 277.00 | 23.50  | 24.77  |
| 0.00   | 0.00   | 0.00   |

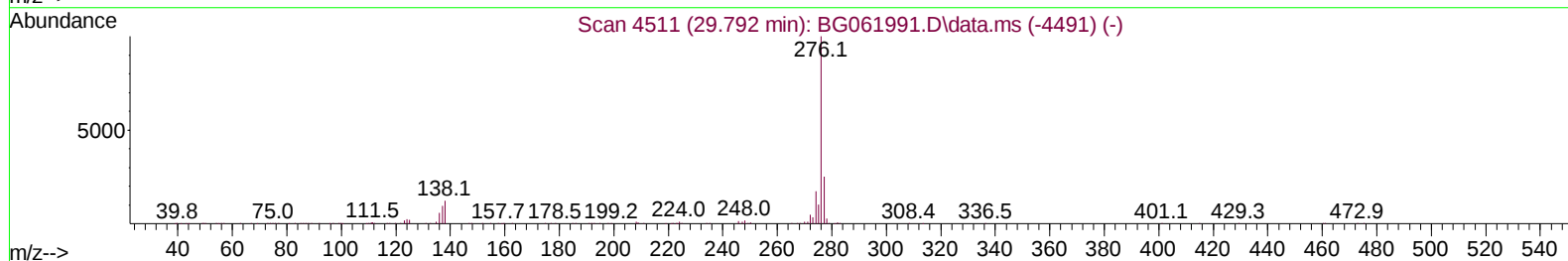
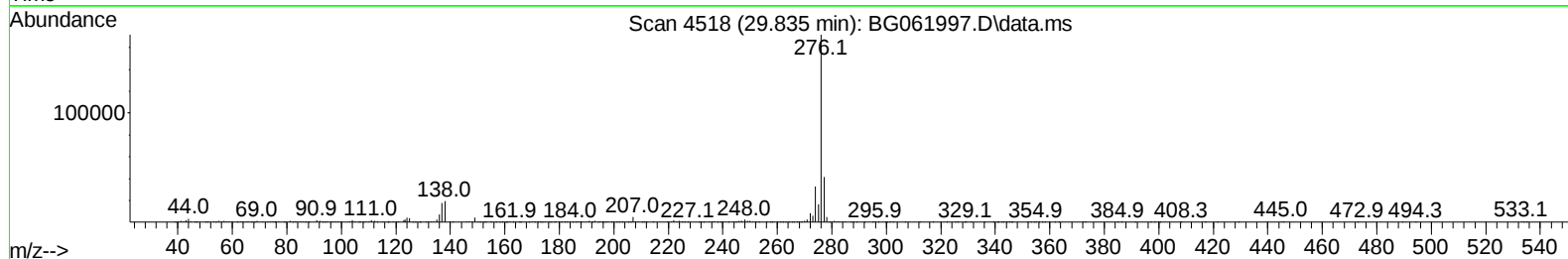
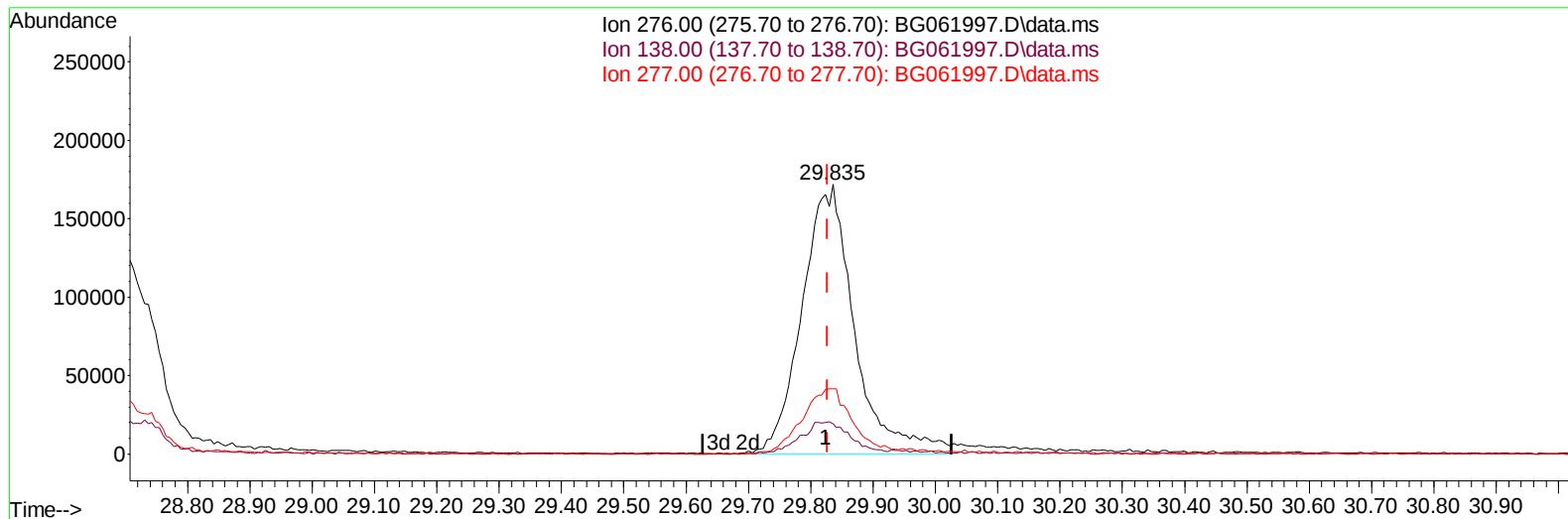
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071024\  
Data File : BG061997.D  
Acq On : 10 Jul 2024 13:54  
Operator : MA/JU  
Sample : P3109-07MS  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
H0HC4MS

Manual IntegrationsAPPROVED

Quant Time: Jul 10 14:32:43 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jul 03 02:38:46 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024



TIC: BG061997.D\data.ms

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

29.835min (+ 0.008) 40.30 ng/ul m

response 1004298

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 13.90  | 11.29  |
| 277.00 | 23.50  | 24.11  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071024\  
 Data File : BG061997.D  
 Acq On : 10 Jul 2024 13:54  
 Operator : MA/JU  
 Sample : P3109-07MS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 H0HC4MS

Manual IntegrationsAPPROVED

Quant Time: Jul 10 14:40:46 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 03 02:38:46 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/11/2024  
 Supervised By :mohammad ahmed 07/11/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.096  | 152  | 51010    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.911 | 136  | 249057   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.718 | 164  | 175254   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.462 | 188  | 373075   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.721 | 240  | 337701   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.965 | 264  | 410816   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.478  | 96   | 2914m    | 2.147  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/ul  |          |
| 7) Phenol-d5                  | 7.250  | 99   | 54348    | 9.736  | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.415  | 67   | 100544   | 28.442 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.626  | 132  | 119096   | 31.102 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.801  | 113  | 91079    | 20.722 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.265  | 128  | 72041    | 38.033 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.988  | 143  | 80316    | 37.130 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.529 | 165  | 157769   | 37.814 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.040 | 131  | 36174    | 5.972  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.124 | 166  | 541254   | 37.566 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.418 | 160  | 562918   | 37.364 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.918 | 143  | 29550    | 12.843 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.711 | 176  | 459915   | 37.917 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.828 | 200  | 95115    | 48.545 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.562 | 188  | 710849   | 40.811 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.841 | 212  | 805769   | 40.566 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.741 | 264  | 863250   | 42.369 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.519  | 88   | 6065m    | 4.048  | ng/uL  |          |
| 6) Benzaldehyde               | 7.232  | 77   | 64460    | 21.818 | ng/ul  | 93       |
| 8) Phenol                     | 7.279  | 94   | 58004    | 10.149 | ng/ul# | 84       |
| 10) Bis(2-Chloroethyl)ether   | 7.515  | 93   | 121495   | 27.672 | ng/ul  | 91       |
| 12) 2-Chlorophenol            | 7.661  | 128  | 121580   | 31.165 | ng/ul  | 94       |
| 13) 2-Methylphenol            | 8.537  | 108  | 100204   | 24.564 | ng/ul  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.619  | 45   | 252740   | 26.348 | ng/ul# | 96       |
| 16) Acetophenone              | 8.925  | 105  | 224686   | 30.947 | ng/ul  | 95       |
| 17) N-Nitroso-di-n-propyla... | 8.901  | 70   | 118703   | 29.204 | ng/ul  | 92       |
| 18) 4-Methylphenol            | 8.866  | 108  | 100840   | 22.074 | ng/ul  | 98       |
| 19) Hexachloroethane          | 9.177  | 117  | 54538    | 32.226 | ng/ul  | 89       |
| 22) Nitrobenzene              | 9.307  | 77   | 182050   | 33.859 | ng/ul  | 99       |
| 23) Isophorone                | 9.829  | 82   | 359977   | 29.635 | ng/ul# | 97       |
| 25) 2-Nitrophenol             | 10.023 | 139  | 80620    | 36.547 | ng/ul  | 97       |
| 26) 2,4-Dimethylphenol        | 10.070 | 107  | 132091   | 25.020 | ng/ul  | 96       |
| 27) Bis(2-Chloroethoxy)met... | 10.311 | 93   | 201585   | 30.135 | ng/ul  | 98       |
| 29) 2,4-Dichlorophenol        | 10.558 | 162  | 145361   | 37.090 | ng/ul  | 88       |
| 30) Naphthalene               | 10.963 | 128  | 460964   | 33.694 | ng/ul  | 97       |
| 32) 4-Chloroaniline           | 11.069 | 127  | 52861m   | 8.894  | ng/ul  |          |
| 33) Hexachlorobutadiene       | 11.228 | 225  | 108488   | 36.785 | ng/ul  | 93       |
| 34) Caprolactam               | 11.903 | 113  | 6404m    | 4.171  | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.180 | 107  | 191845   | 36.754 | ng/ul  | 88       |
| 36) 2-Methylnaphthalene       | 12.556 | 142  | 344741   | 34.782 | ng/ul  | 95       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071024\  
 Data File : BG061997.D  
 Acq On : 10 Jul 2024 13:54  
 Operator : MA/JU  
 Sample : P3109-07MS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 H0HC4MS

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/11/2024  
 Supervised By :mohammad ahmed 07/11/2024

Quant Time: Jul 10 14:40:46 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 03 02:38:46 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.779 | 142  | 358280   | 34.785 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.920 | 216  | 207513   | 39.429 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.891 | 237  | 62495    | 17.838 | ng/ul# | 93       |
| 41) 2,4,6-Trichlorophenol     | 13.155 | 196  | 140318   | 40.141 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.231 | 196  | 155765   | 40.564 | ng/ul  | 90       |
| 43) 1,1'-Biphenyl             | 13.555 | 154  | 482741   | 35.750 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.602 | 162  | 368195   | 36.332 | ng/ul  | 96       |
| 45) 2-Nitroaniline            | 13.807 | 65   | 174759   | 43.062 | ng/ul  | 95       |
| 47) Dimethylphthalate         | 14.171 | 163  | 509209   | 36.743 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.295 | 165  | 110855   | 42.165 | ng/ul  | 98       |
| 50) Acenaphthylene            | 14.448 | 152  | 590727   | 35.725 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.624 | 138  | 87663    | 34.255 | ng/ul  | 92       |
| 52) Acenaphthene              | 14.782 | 153  | 412144   | 36.097 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.829 | 184  | 58439    | 42.546 | ng/ul  | 94       |
| 55) 4-Nitrophenol             | 14.935 | 109  | 40968m   | 15.600 | ng/ul  |          |
| 56) Dibenzofuran              | 15.117 | 168  | 604854   | 37.482 | ng/ul  | 95       |
| 57) 2,4-Dinitrotoluene        | 15.082 | 165  | 169601   | 43.988 | ng/ul  | 91       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.341 | 232  | 136805   | 39.454 | ng/ul# | 98       |
| 59) Diethylphthalate          | 15.529 | 149  | 543743   | 36.410 | ng/ul  | 95       |
| 61) Fluorene                  | 15.764 | 166  | 509069   | 37.094 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.752 | 204  | 261621   | 37.953 | ng/ul  | 94       |
| 63) 4-Nitroaniline            | 15.787 | 138  | 102364   | 39.420 | ng/ul  | 88       |
| 66) 4,6-Dinitro-2-methylph... | 15.840 | 198  | 99263    | 47.074 | ng/ul# | 85       |
| 67) N-Nitrosodiphenylamine    | 15.969 | 169  | 439238   | 43.112 | ng/ul  | 100      |
| 68) 4-Bromophenyl-phenylether | 16.645 | 248  | 187187   | 44.227 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.762 | 284  | 219448   | 45.091 | ng/ul  | 93       |
| 70) Atrazine                  | 16.921 | 200  | 119147   | 29.624 | ng/ul  | 93       |
| 71) Pentachlorophenol         | 17.109 | 266  | 119621   | 44.716 | ng/ul  | 93       |
| 72) Phenanthrene              | 17.503 | 178  | 796579   | 40.494 | ng/ul  | 99       |
| 74) Anthracene                | 17.597 | 178  | 795832   | 39.147 | ng/ul  | 97       |
| 75) 1,2,3,4-Tetrachloroben... | 13.525 | 216  | 219406   | 47.351 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 15.035 | 250  | 219474   | 41.529 | ng/ul  | 97       |
| 77) Carbazole                 | 17.867 | 167  | 714239   | 41.747 | ng/ul  | 97       |
| 78) Di-n-butylphthalate       | 18.408 | 149  | 900665   | 41.003 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.524 | 202  | 930665   | 39.591 | ng/ul# | 94       |
| 82) Pyrene                    | 19.871 | 202  | 975603   | 40.178 | ng/ul# | 95       |
| 83) Butylbenzylphthalate      | 20.740 | 149  | 400253   | 39.276 | ng/ul  | 91       |
| 84) 3,3'-Dichlorobenzidine    | 21.616 | 252  | 225388   | 28.054 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.704 | 228  | 1000112  | 40.903 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.598 | 149  | 567840   | 38.831 | ng/ul# | 98       |
| 87) Chrysene                  | 21.768 | 228  | 955879   | 41.761 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.814 | 149  | 999890   | 39.839 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.936 | 252  | 1063678  | 41.096 | ng/ul  | 97       |
| 91) Benzo(k)fluoranthene      | 24.001 | 252  | 1069881m | 41.452 | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.818 | 252  | 904129   | 36.889 | ng/ul  | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.672 | 276  | 1311461  | 41.872 | ng/ul# | 96       |
| 95) Dibenzo(a,h)anthracene    | 28.731 | 278  | 1072025  | 41.442 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 29.835 | 276  | 1004298m | 40.305 | ng/ul  |          |

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

**Instrument :**  
BNA\_G  
**ClientSampleId :**  
H0HC4MS

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Supervised By :mohammad ahmed 07/11/2024

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