

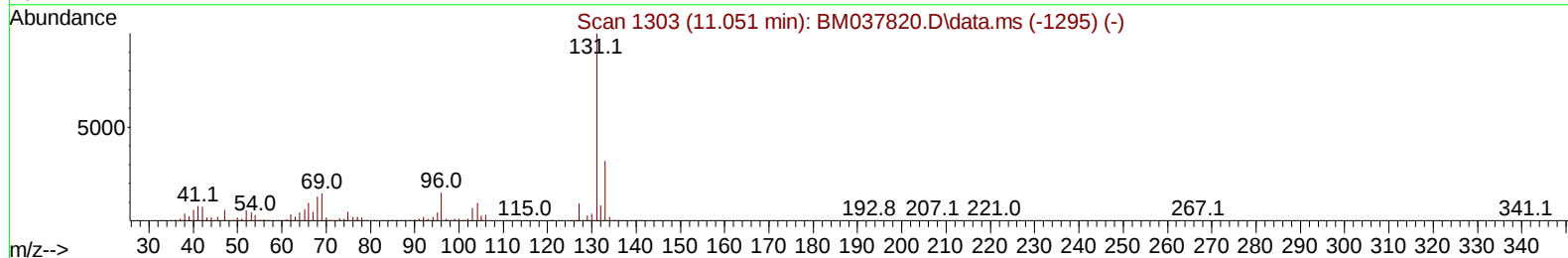
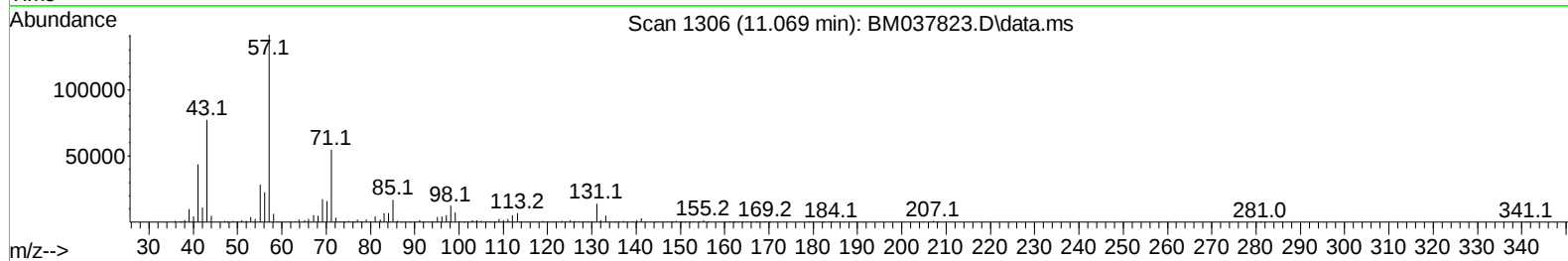
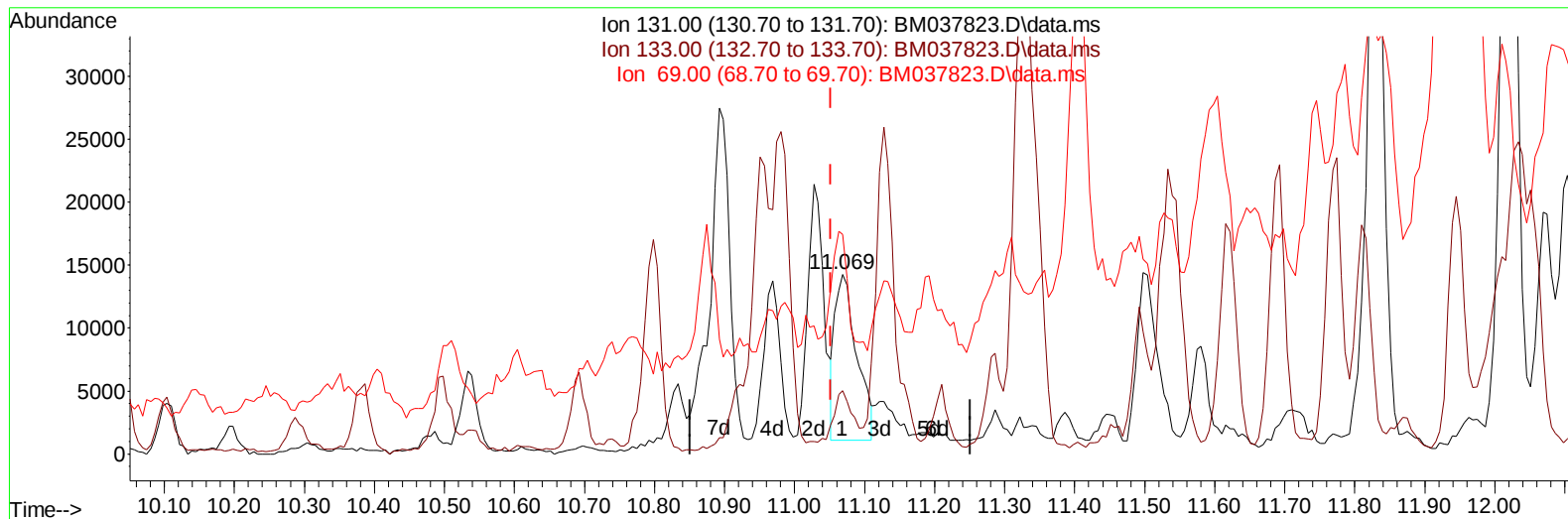
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120222\  
Data File : BM037823.D  
Acq On : 02 Dec 2022 11:30  
Operator : CG/JU  
Sample : N5738-10  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GBNH9

Manual IntegrationsAPPROVED

Quant Time: Dec 02 21:46:55 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM120122.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Dec 02 01:14:59 2022  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/05/2022  
Supervised By :mohammad ahmed 12/05/2022



TIC: BM037823.D\data.ms

(31) 4-Chloroaniline-d4 (S)

11.069min (+ 0.017) 1.12 ng/u1

response 28763

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 131.00 | 100.00 | 100.00  |
| 133.00 | 32.00  | 35.06   |
| 69.00  | 17.80  | 122.01# |
| 0.00   | 0.00   | 0.00    |

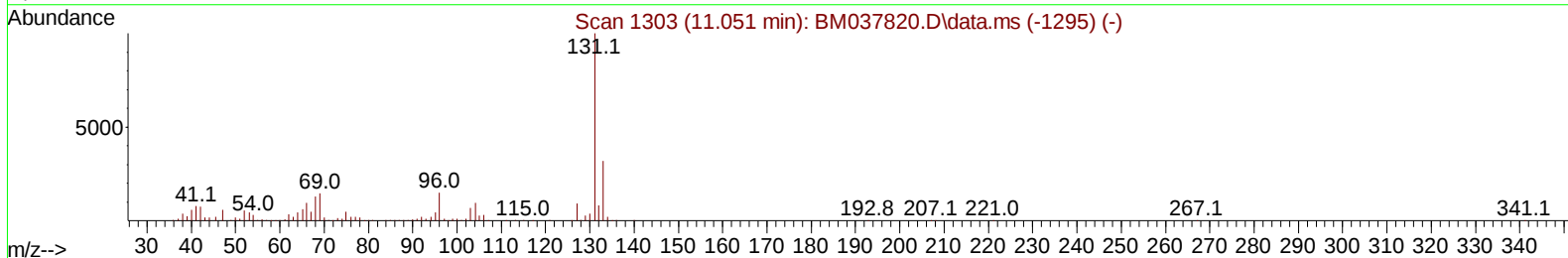
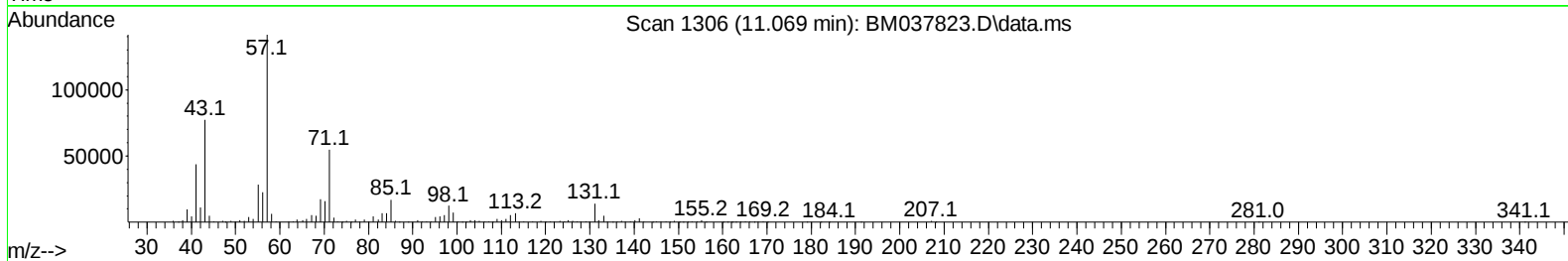
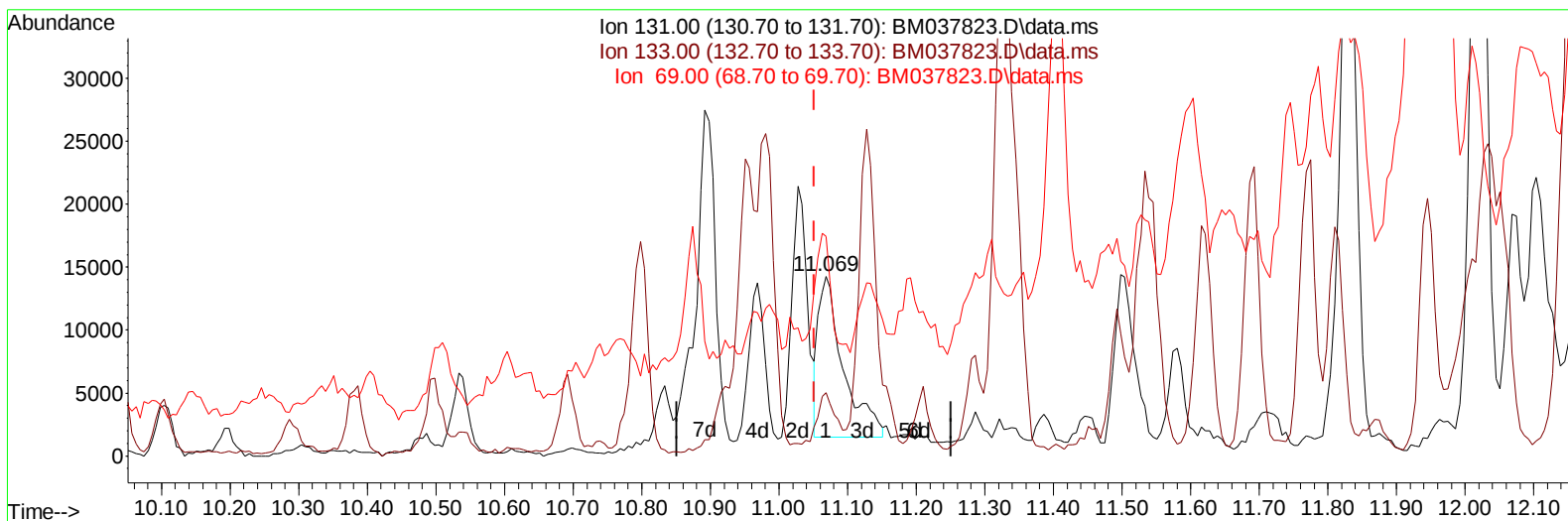
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120222\  
Data File : BM037823.D  
Acq On : 02 Dec 2022 11:30  
Operator : CG/JU  
Sample : N5738-10  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GBNH9

Manual IntegrationsAPPROVED

Quant Time: Dec 02 21:46:55 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM120122.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Dec 02 01:14:59 2022  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/05/2022  
Supervised By :mohammad ahmed 12/05/2022



TIC: BM037823.D\data.ms

(31) 4-Chloroaniline-d4 (S)

11.069min (+ 0.017) 1.25 ng/ul m

response 32291

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 131.00 | 100.00 | 100.00  |
| 133.00 | 32.00  | 35.06   |
| 69.00  | 17.80  | 122.01# |
| 0.00   | 0.00   | 0.00    |

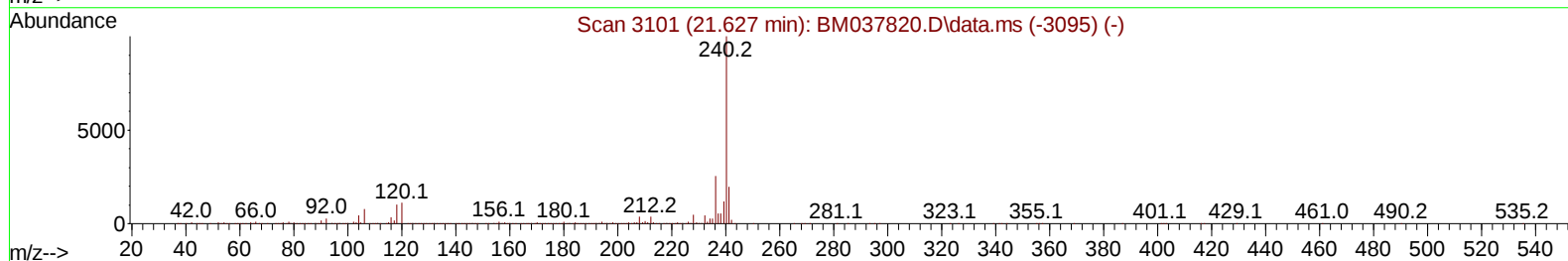
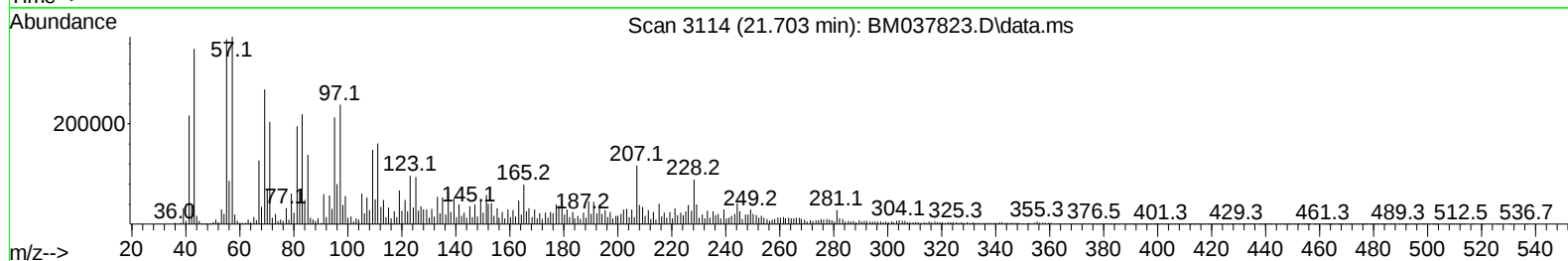
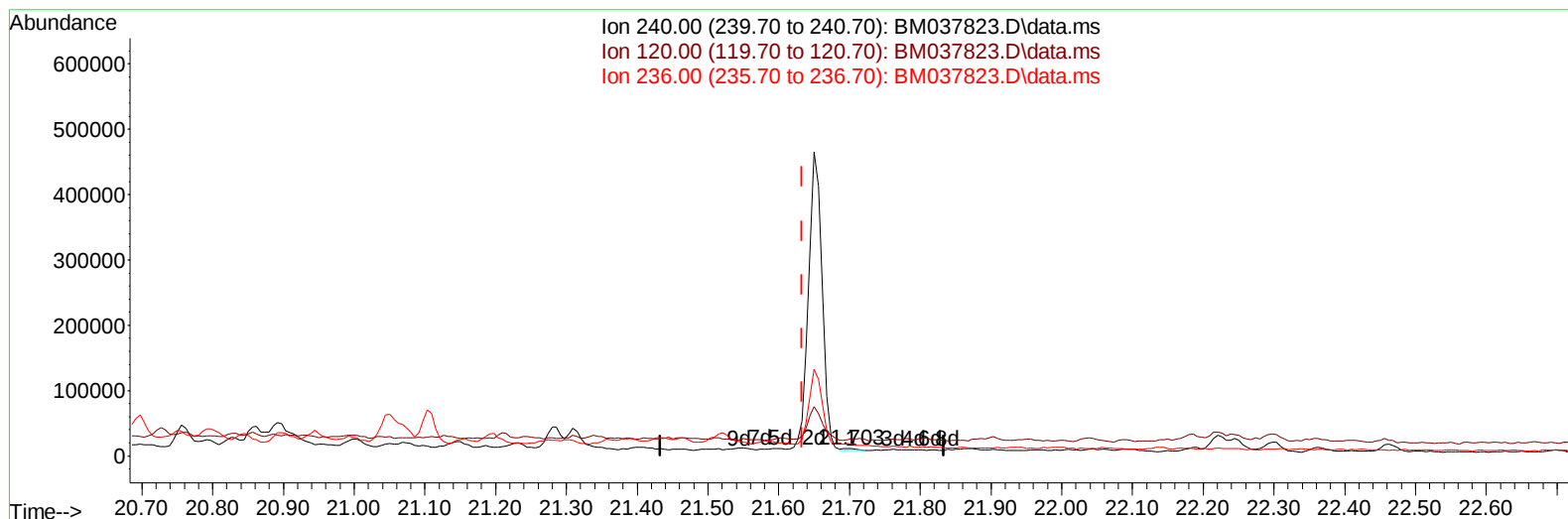
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120222\  
 Data File : BM037823.D  
 Acq On : 02 Dec 2022 11:30  
 Operator : CG/JU  
 Sample : N5738-10  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 GBNH9

Manual IntegrationsAPPROVED

Quant Time: Dec 02 21:46:55 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM120122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 02 01:14:59 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/05/2022  
 Supervised By :mohammad ahmed 12/05/2022



TIC: BM037823.D\data.ms

**(79) Chrysene-d12 (I)**

**21.703min (+ 0.070) 20.00 ng/u1**

**response 3575**

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 240.00 | 100.00 | 100.00  |
| 120.00 | 12.10  | 237.07# |
| 236.00 | 25.60  | 163.29# |
| 0.00   | 0.00   | 0.00    |

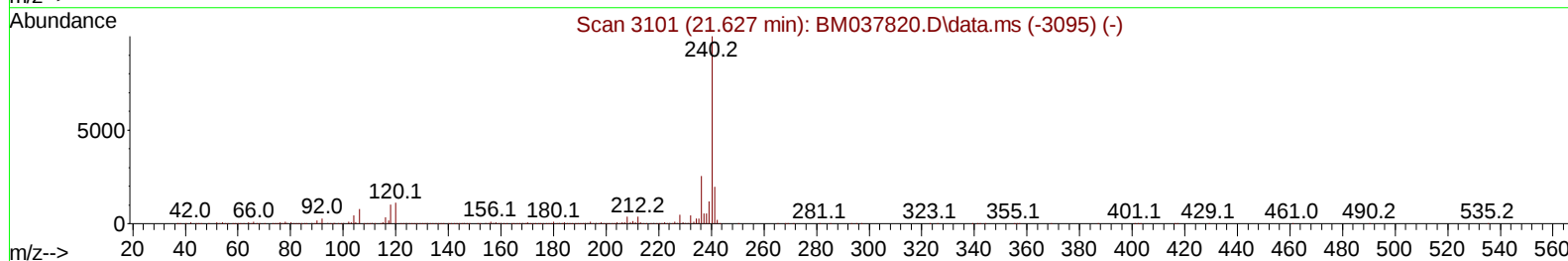
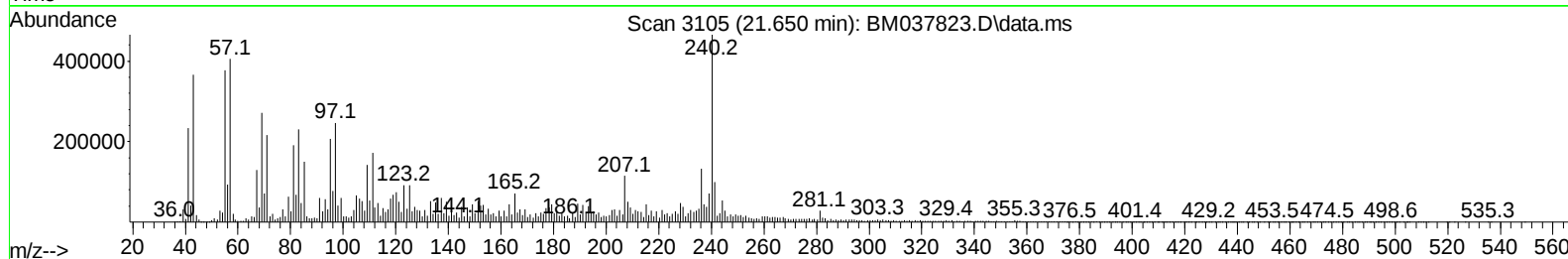
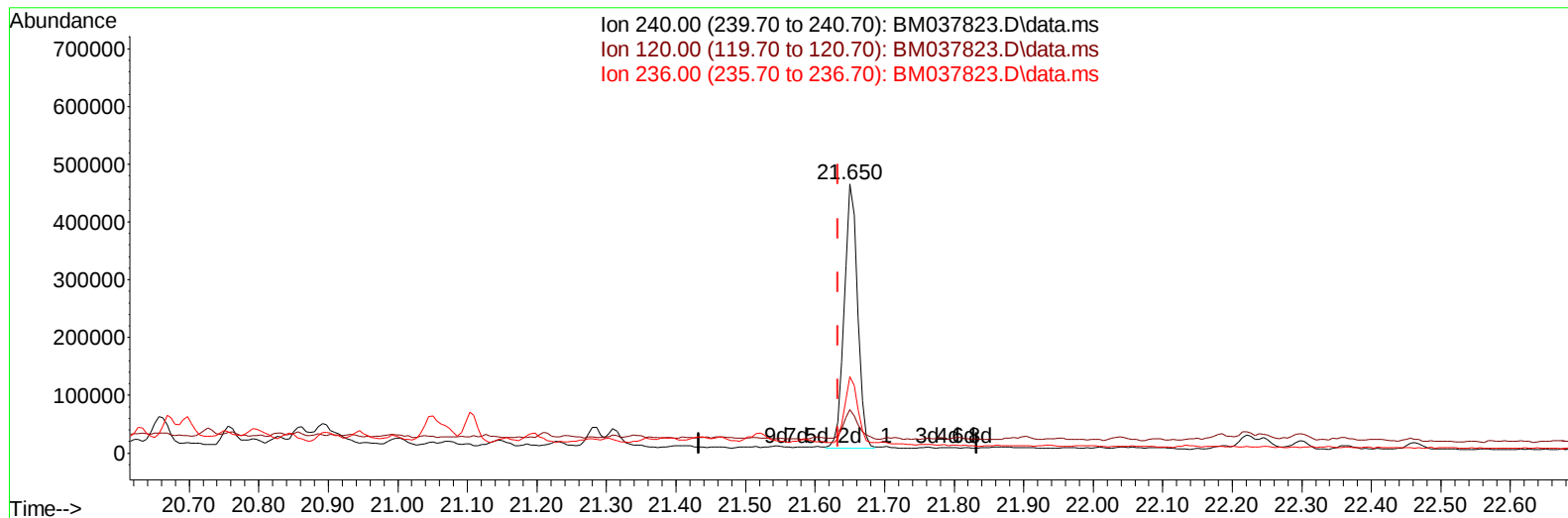
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120222\  
Data File : BM037823.D  
Acq On : 02 Dec 2022 11:30  
Operator : CG/JU  
Sample : N5738-10  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GBNH9

Manual IntegrationsAPPROVED

Quant Time: Dec 02 21:46:55 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM120122.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Dec 02 01:14:59 2022  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/05/2022  
Supervised By :mohammad ahmed 12/05/2022



TIC: BM037823.D\data.ms

(79) Chrysene-d12 (I)

21.650min (+ 0.017) 20.00 ng/ul m

response 611165

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 240.00 | 100.00 | 100.00 |
| 120.00 | 12.10  | 16.14# |
| 236.00 | 25.60  | 28.55  |
| 0.00   | 0.00   | 0.00   |

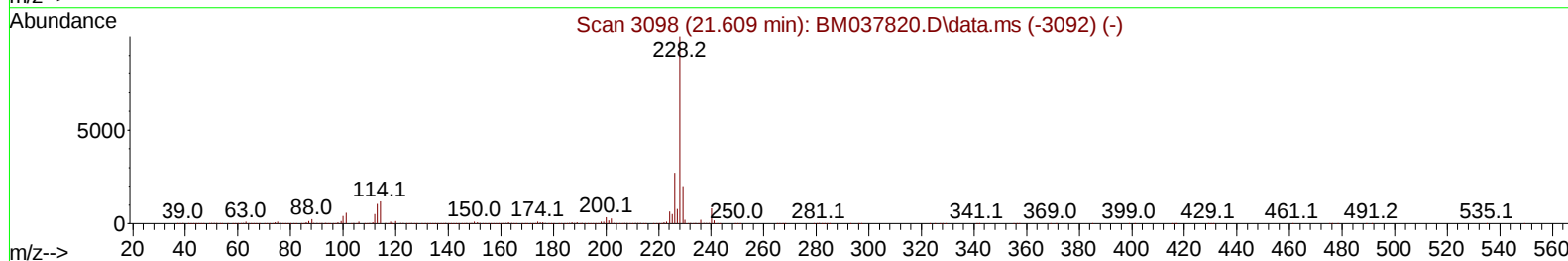
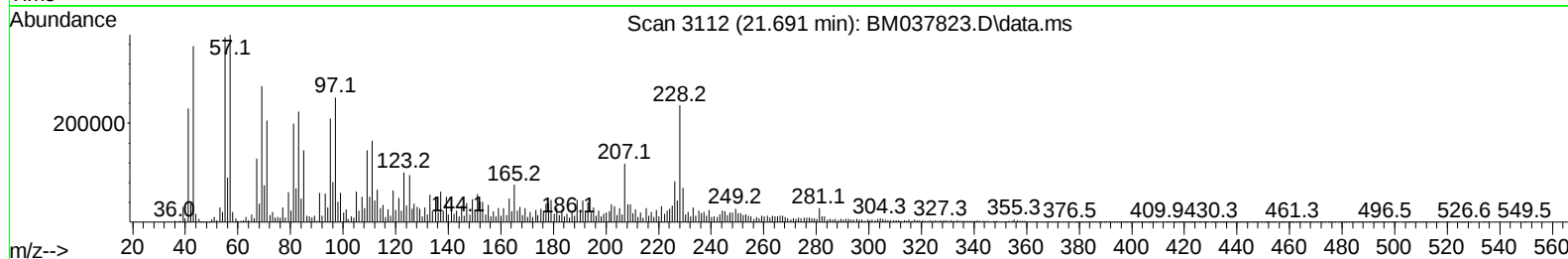
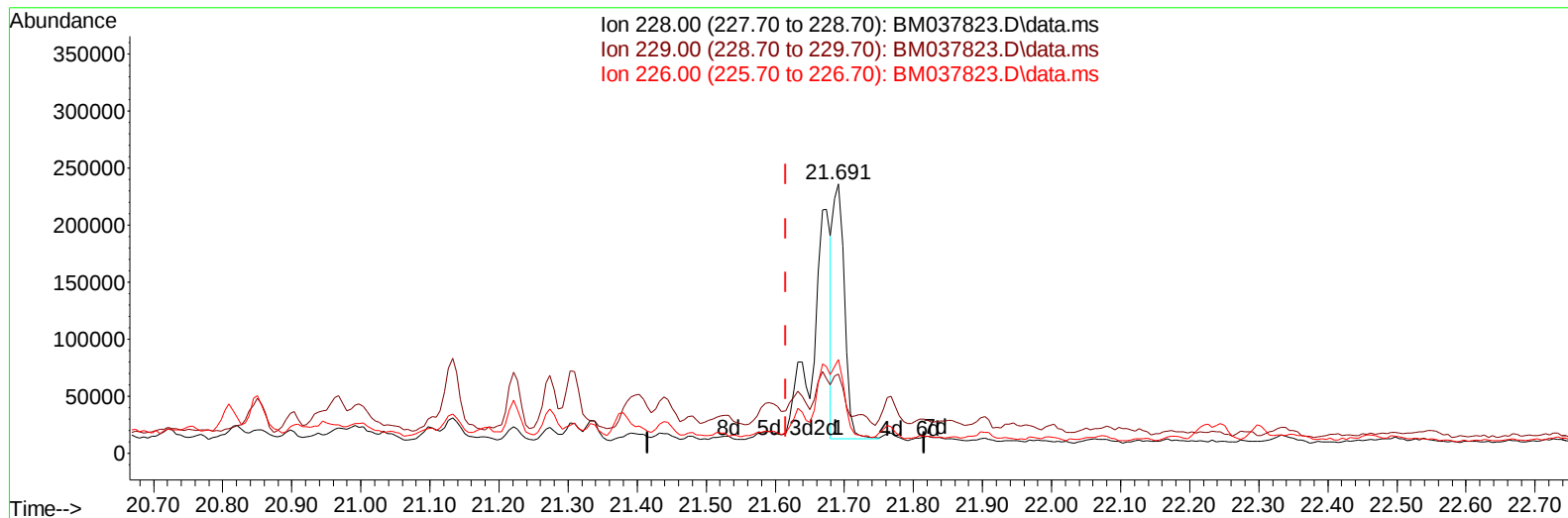
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120222\  
Data File : BM037823.D  
Acq On : 02 Dec 2022 11:30  
Operator : CG/JU  
Sample : N5738-10  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GBNH9

Manual IntegrationsAPPROVED

Quant Time: Dec 02 21:46:55 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM120122.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Dec 02 01:14:59 2022  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/05/2022  
Supervised By :mohammad ahmed 12/05/2022



TIC: BM037823.D\data.ms

**(85) Benzo(a)anthracene**

**21.691min (+ 0.076) 6.48 ng/u1**

**response 253485**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 20.20  | 29.45# |
| 226.00 | 27.90  | 34.91# |
| 0.00   | 0.00   | 0.00   |

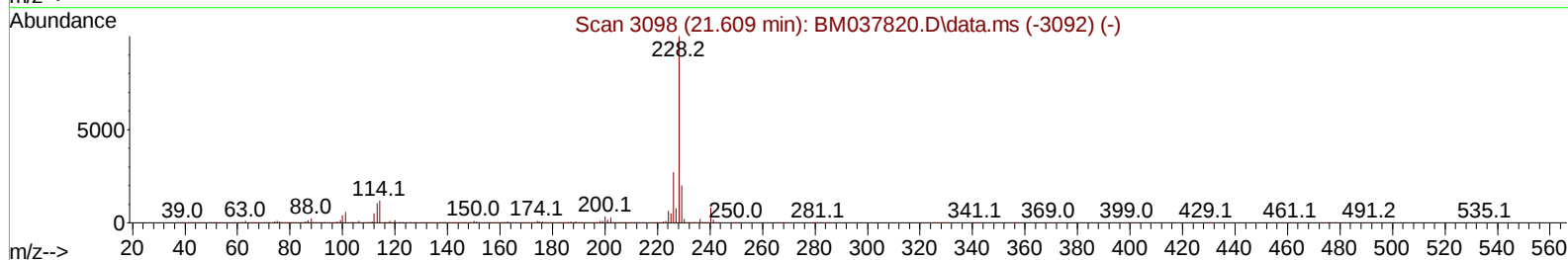
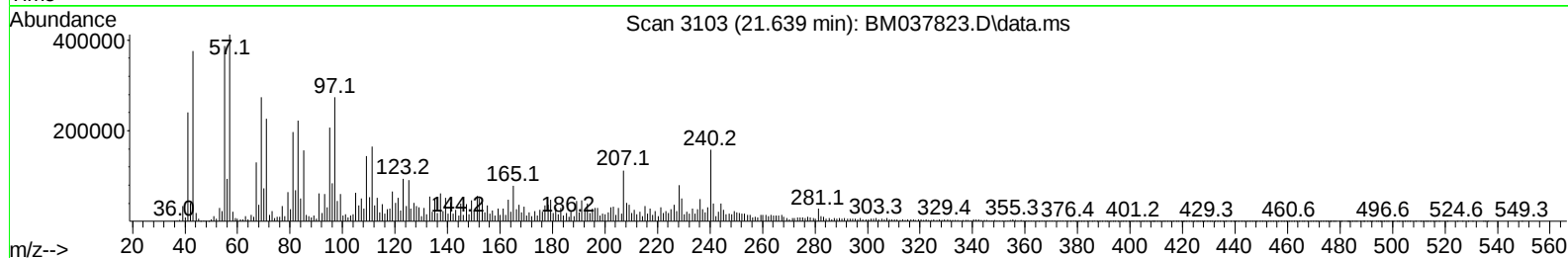
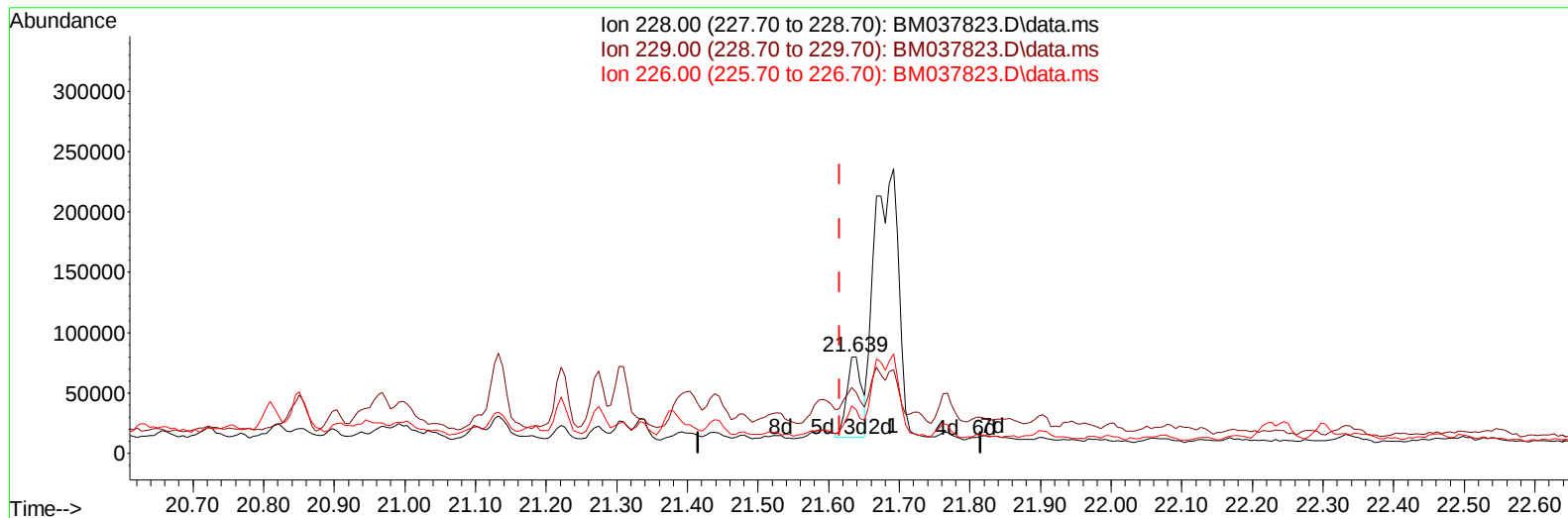
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120222\  
Data File : BM037823.D  
Acq On : 02 Dec 2022 11:30  
Operator : CG/JU  
Sample : N5738-10  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GBNH9

Manual IntegrationsAPPROVED

Quant Time: Dec 02 21:46:55 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM120122.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Dec 02 01:14:59 2022  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/05/2022  
Supervised By :mohammad ahmed 12/05/2022



TIC: BM037823.D\data.ms

(85) Benzo(a)anthracene

21.639min (+ 0.023) 2.53 ng/u1 m

response 98887

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 20.20  | 62.68# |
| 226.00 | 27.90  | 45.28# |
| 0.00   | 0.00   | 0.00   |

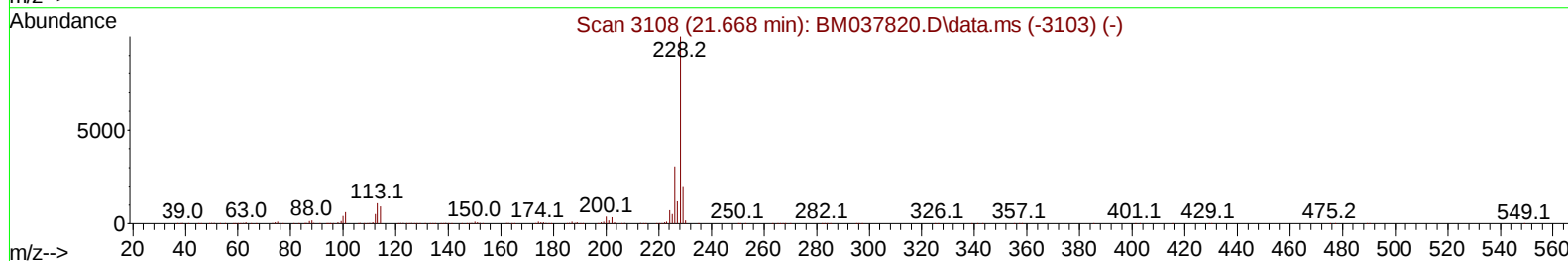
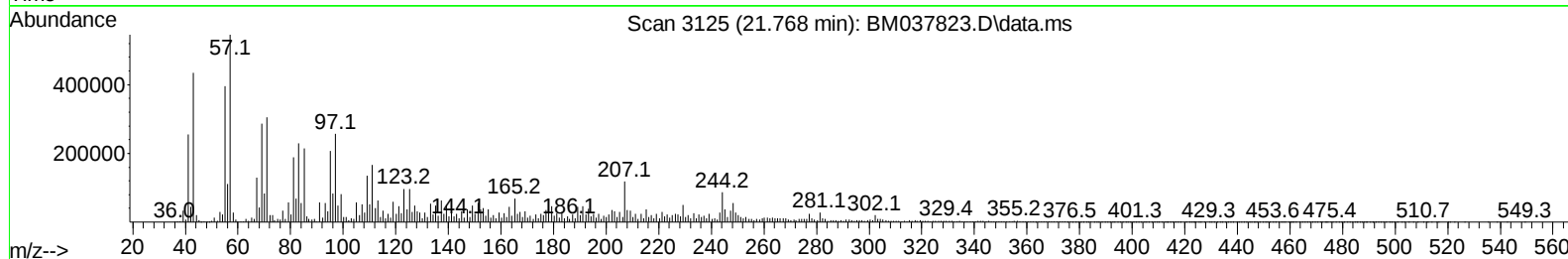
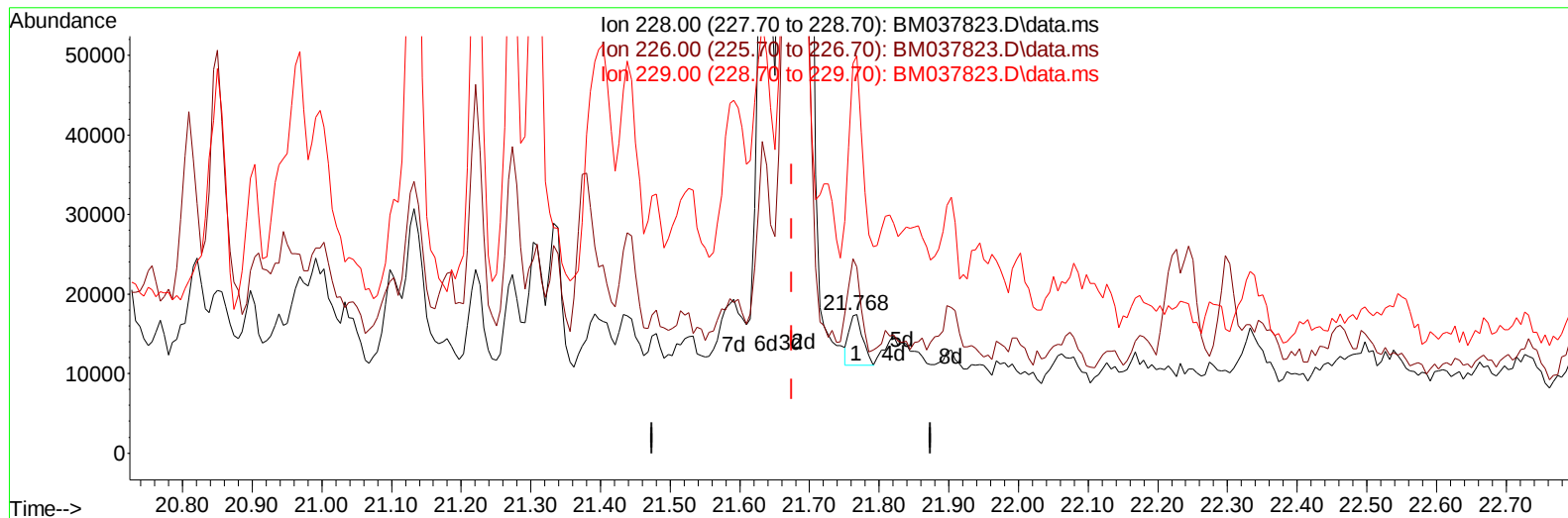
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120222\  
 Data File : BM037823.D  
 Acq On : 02 Dec 2022 11:30  
 Operator : CG/JU  
 Sample : N5738-10  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 GBNH9

Manual IntegrationsAPPROVED

Quant Time: Dec 02 21:46:55 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM120122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 02 01:14:59 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/05/2022  
 Supervised By :mohammad ahmed 12/05/2022



TIC: BM037823.D\data.ms

(87) Chrysene

21.768min (+ 0.094) 0.24 ng/u1

response 8627

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 228.00 | 100.00 | 100.00  |
| 226.00 | 30.20  | 134.31# |
| 229.00 | 19.70  | 286.50# |
| 0.00   | 0.00   | 0.00    |

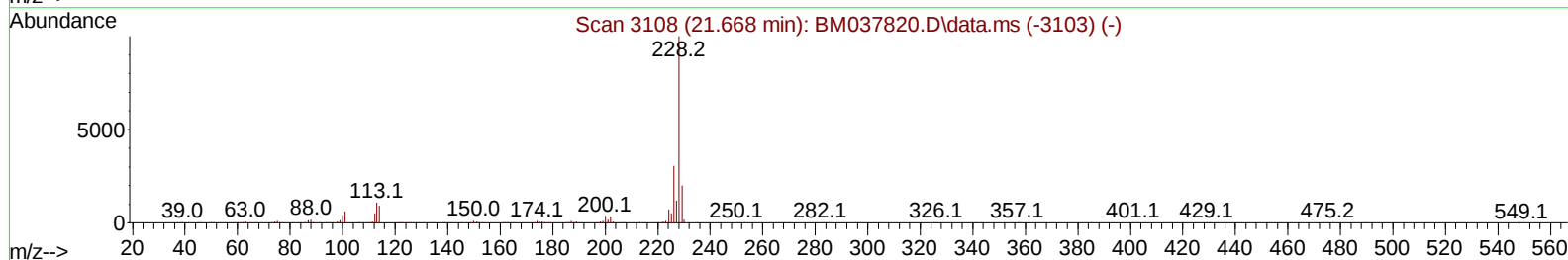
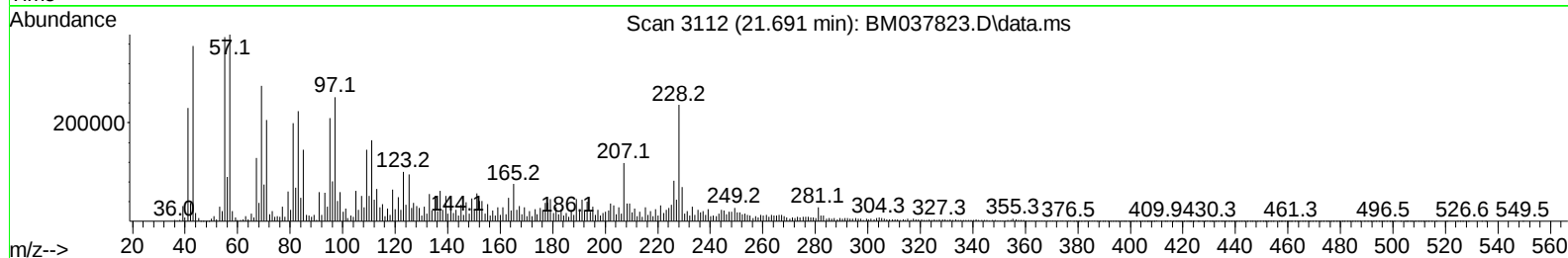
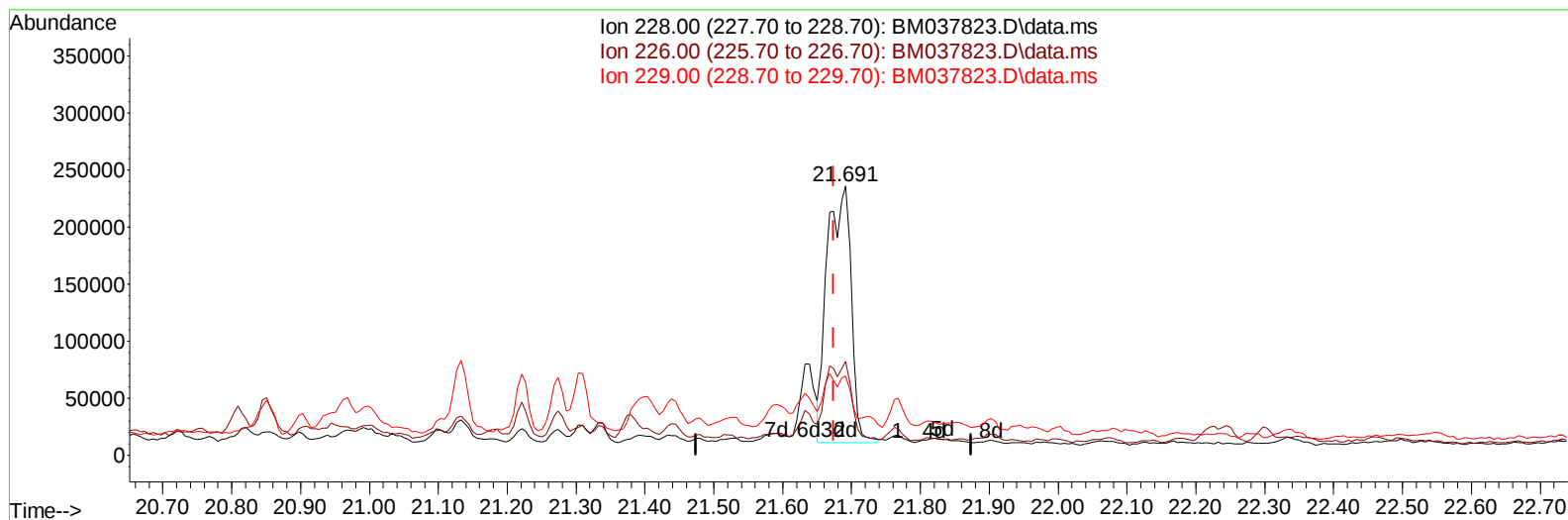
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120222\  
 Data File : BM037823.D  
 Acq On : 02 Dec 2022 11:30  
 Operator : CG/JU  
 Sample : N5738-10  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 GBNH9

Manual IntegrationsAPPROVED

Quant Time: Dec 02 21:46:55 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM120122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 02 01:14:59 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/05/2022  
 Supervised By :mohammad ahmed 12/05/2022



TIC: BM037823.D\data.ms

(87) Chrysene

21.691min (+ 0.017) 14.85 ng/ul m

response 540448

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 30.20  | 34.91  |
| 229.00 | 19.70  | 29.45# |
| 0.00   | 0.00   | 0.00   |

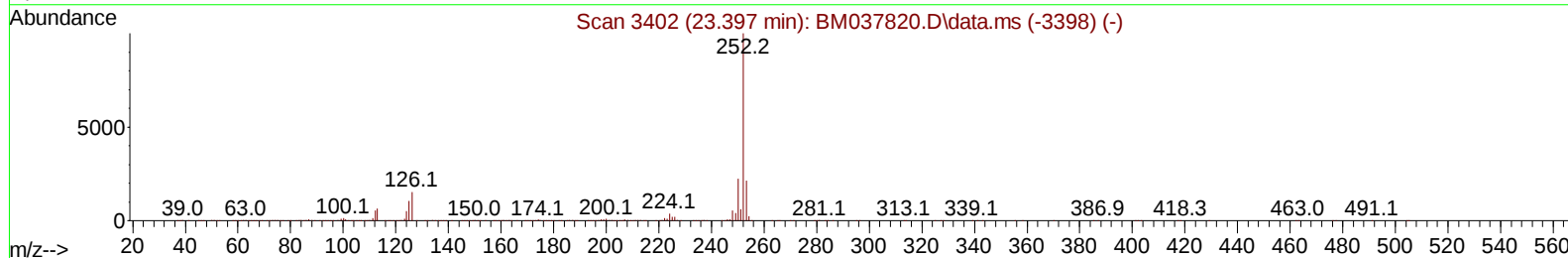
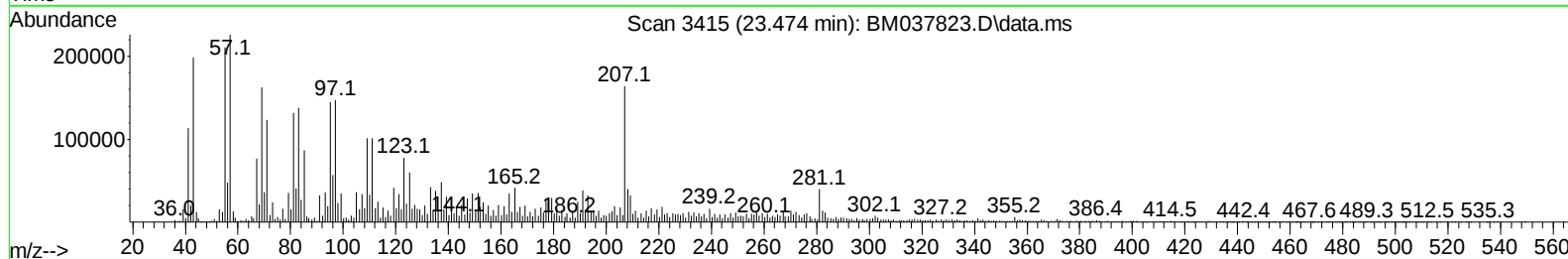
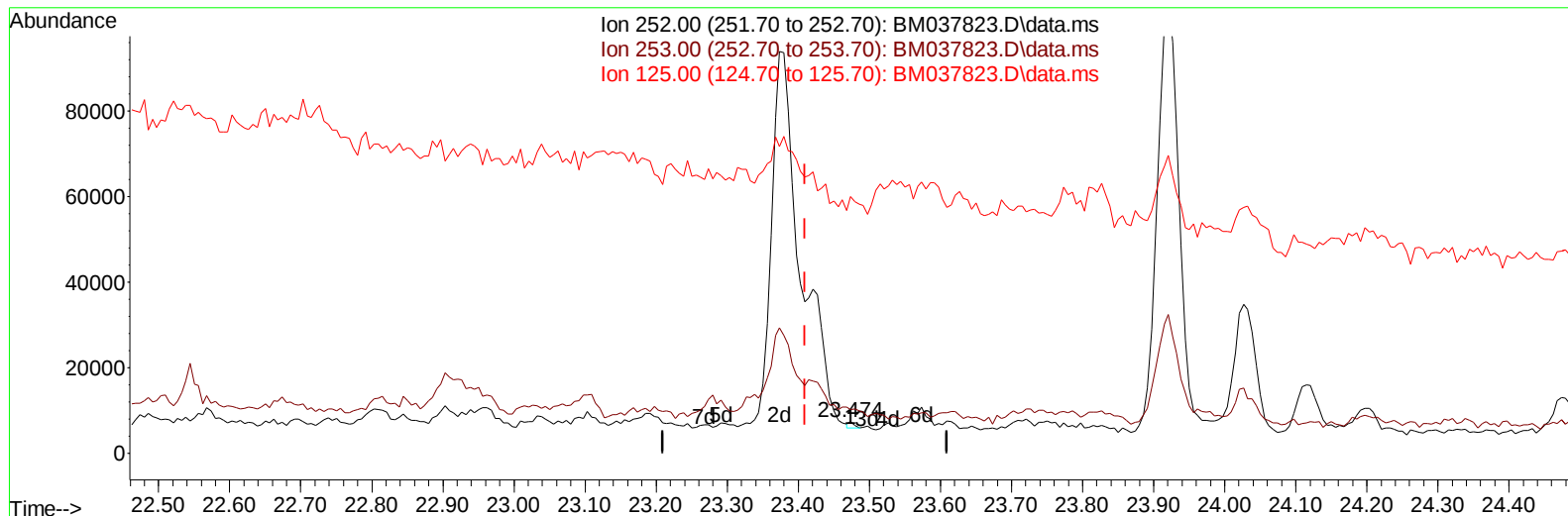
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120222\  
Data File : BM037823.D  
Acq On : 02 Dec 2022 11:30  
Operator : CG/JU  
Sample : N5738-10  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GBNH9

Manual IntegrationsAPPROVED

Quant Time: Dec 02 21:46:55 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM120122.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Dec 02 01:14:59 2022  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/05/2022  
Supervised By :mohammad ahmed 12/05/2022



TIC: BM037823.D\data.ms

(91) Benzo(k)fluoranthene

23.474min (+ 0.064) 0.02 ng/u1

response 767

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 252.00 | 100.00 | 100.00  |
| 253.00 | 22.30  | 138.99# |
| 125.00 | 11.60  | 816.97# |
| 0.00   | 0.00   | 0.00    |

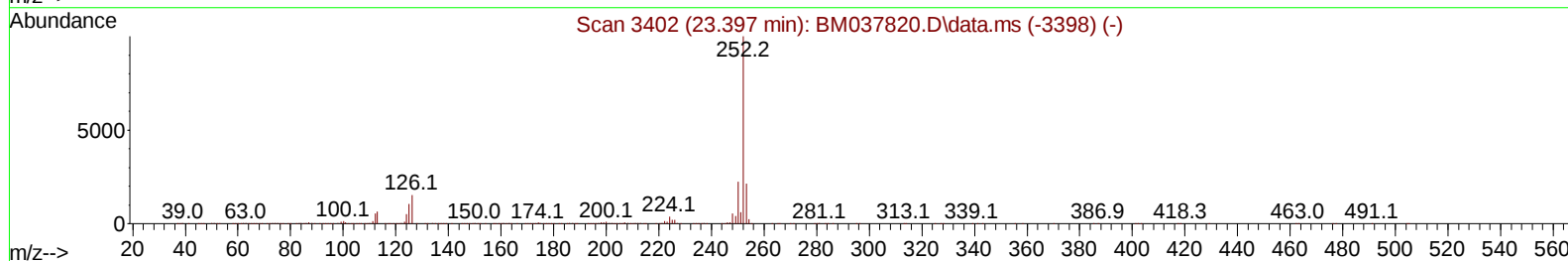
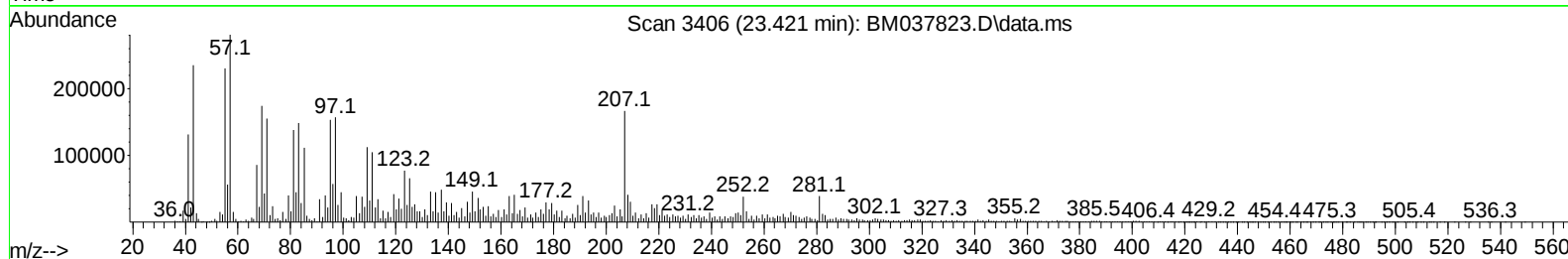
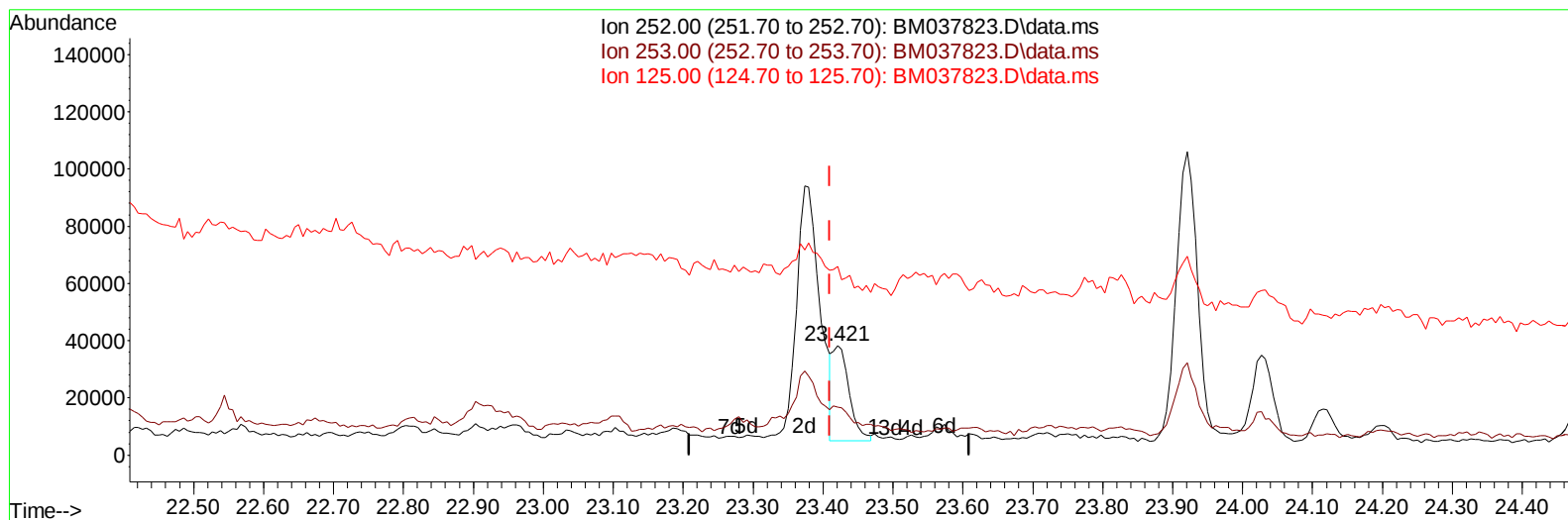
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120222\  
 Data File : BM037823.D  
 Acq On : 02 Dec 2022 11:30  
 Operator : CG/JU  
 Sample : N5738-10  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 GBNH9

Manual IntegrationsAPPROVED

Quant Time: Dec 02 21:46:55 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM120122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 02 01:14:59 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/05/2022  
 Supervised By :mohammad ahmed 12/05/2022



TIC: BM037823.D\data.ms

**(91) Benzo(k)fluoranthene**

**23.421min (+ 0.011) 1.26 ng/ul m**

**response 55455**

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 252.00 | 100.00 | 100.00  |
| 253.00 | 22.30  | 43.92#  |
| 125.00 | 11.60  | 171.82# |
| 0.00   | 0.00   | 0.00    |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120222\  
 Data File : BM037823.D  
 Acq On : 02 Dec 2022 11:30  
 Operator : CG/JU  
 Sample : N5738-10  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 GBNH9

Manual IntegrationsAPPROVED

Quant Time: Dec 02 21:46:55 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM120122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 02 01:14:59 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/05/2022  
 Supervised By :mohammad ahmed 12/05/2022

| Compound                      | R.T.   | Q   | Ion      | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|-----|----------|----------|--------|--------|----------|
| -----                         |        |     |          |          |        |        |          |
| Internal Standards            |        |     |          |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.098  | 152 |          | 239813   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.922 | 136 |          | 1100915  | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.733 | 164 |          | 635965   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.515 | 188 |          | 580212   | 20.000 | ng/ul  | # 0.05   |
| 79) Chrysene-d12              | 21.650 | 240 |          | 611165m  | 20.000 | ng/ul  | 0.02     |
| 88) Perylene-d12              | 24.144 | 264 |          | 713164   | 20.000 | ng/ul  | 0.02     |
| System Monitoring Compounds   |        |     |          |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.428  | 96  |          | 12594    | 2.464  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 0.000  | 84  |          | 0d       | 0.000  | ng/ul  |          |
| 7) Phenol-d5                  | 7.251  | 99  |          | 368811   | 17.070 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.416  | 67  |          | 212825   | 16.884 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.622  | 132 |          | 306021   | 18.733 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.804  | 113 |          | 289158   | 16.829 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.269  | 128 |          | 157918   | 18.058 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.992  | 143 |          | 172083   | 19.016 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.533 | 165 |          | 315640   | 18.808 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.069 | 131 |          | 32291m   | 1.254  | ng/ul  | 0.02     |
| 46) Dimethylphthalate-d6      | 14.133 | 166 |          | 915920   | 20.973 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.427 | 160 |          | 1076815  | 20.275 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.927 | 143 |          | 168248   | 18.561 | ng/ul  | 0.02     |
| 60) Fluorene-d10              | 15.727 | 176 |          | 646546   | 16.319 | ng/ul  | 0.02     |
| 65) 4,6-Dinitro-2-methylph... | 15.851 | 200 |          | 61941    | 20.266 | ng/ul  | 0.03     |
| 73) Anthracene-d10            | 17.609 | 188 |          | 527555   | 19.771 | ng/ul  | 0.05     |
| 81) Pyrene-d10                | 19.886 | 212 |          | 604781   | 19.104 | ng/ul  | 0.04     |
| 92) Benzo(a)pyrene-d12        | 23.980 | 264 |          | 716118   | 20.044 | ng/ul  | 0.02     |
| Target Compounds              |        |     |          |          |        |        |          |
|                               |        |     |          |          |        | Qvalue |          |
| 16) Acetophenone              | 8.928  | 105 |          | 114147   | 4.212  | ng/ul  | 99       |
| 52) Acenaphthene              | 14.792 | 153 |          | 132587   | 3.249  | ng/ul# | 79       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.362 | 232 |          | 736687   | 66.136 | ng/ul# | 68       |
| 71) Pentachlorophenol         | 17.227 | 266 | 16792319 | 3926.771 | ng/ul  |        | 99       |
| 72) Phenanthrene              | 17.556 | 178 |          | 276145   | 8.782  | ng/ul# | 61       |
| 74) Anthracene                | 17.645 | 178 |          | 165781   | 5.168  | ng/ul# | 43       |
| 80) Fluoranthene              | 19.556 | 202 |          | 580423   | 15.010 | ng/ul  | 96       |
| 82) Pyrene                    | 19.915 | 202 | 2130246  | 53.354   | ng/ul  |        | 97       |
| 83) Butylbenzylphthalate      | 20.774 | 149 | 534336   | 30.694   | ng/ul  |        | 89       |
| 85) Benzo(a)anthracene        | 21.639 | 228 | 98887m   | 2.529    | ng/ul  |        |          |
| 86) Bis(2-ethylhexyl)phtha... | 21.533 | 149 | 496943   | 18.892   | ng/ul  |        | 95       |
| 87) Chrysene                  | 21.691 | 228 | 540448m  | 14.848   | ng/ul  |        |          |
| 90) Benzo(b)fluoranthene      | 23.374 | 252 | 200201   | 4.371    | ng/ul# |        | 30       |
| 91) Benzo(k)fluoranthene      | 23.421 | 252 | 55455m   | 1.255    | ng/ul  |        |          |
| 93) Benzo(a)pyrene            | 24.027 | 252 | 64587    | 1.626    | ng/ul# |        | 1        |
| 94) Indeno(1,2,3-cd)pyrene    | 26.762 | 276 | 61270    | 1.372    | ng/ul# |        | 68       |
| 96) Benzo(g,h,i)perylene      | 27.556 | 276 | 78024    | 2.002    | ng/ul# |        | 68       |
| -----                         |        |     |          |          |        |        |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120222\  
 Data File : BM037823.D  
 Acq On : 02 Dec 2022 11:30  
 Operator : CG/JU  
 Sample : N5738-10  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 GBNH9

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/05/2022  
 Supervised By :mohammad ahmed 12/05/2022

Quant Time: Dec 02 21:46:55 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM120122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 02 01:14:59 2022  
 Response via : Initial Calibration

