

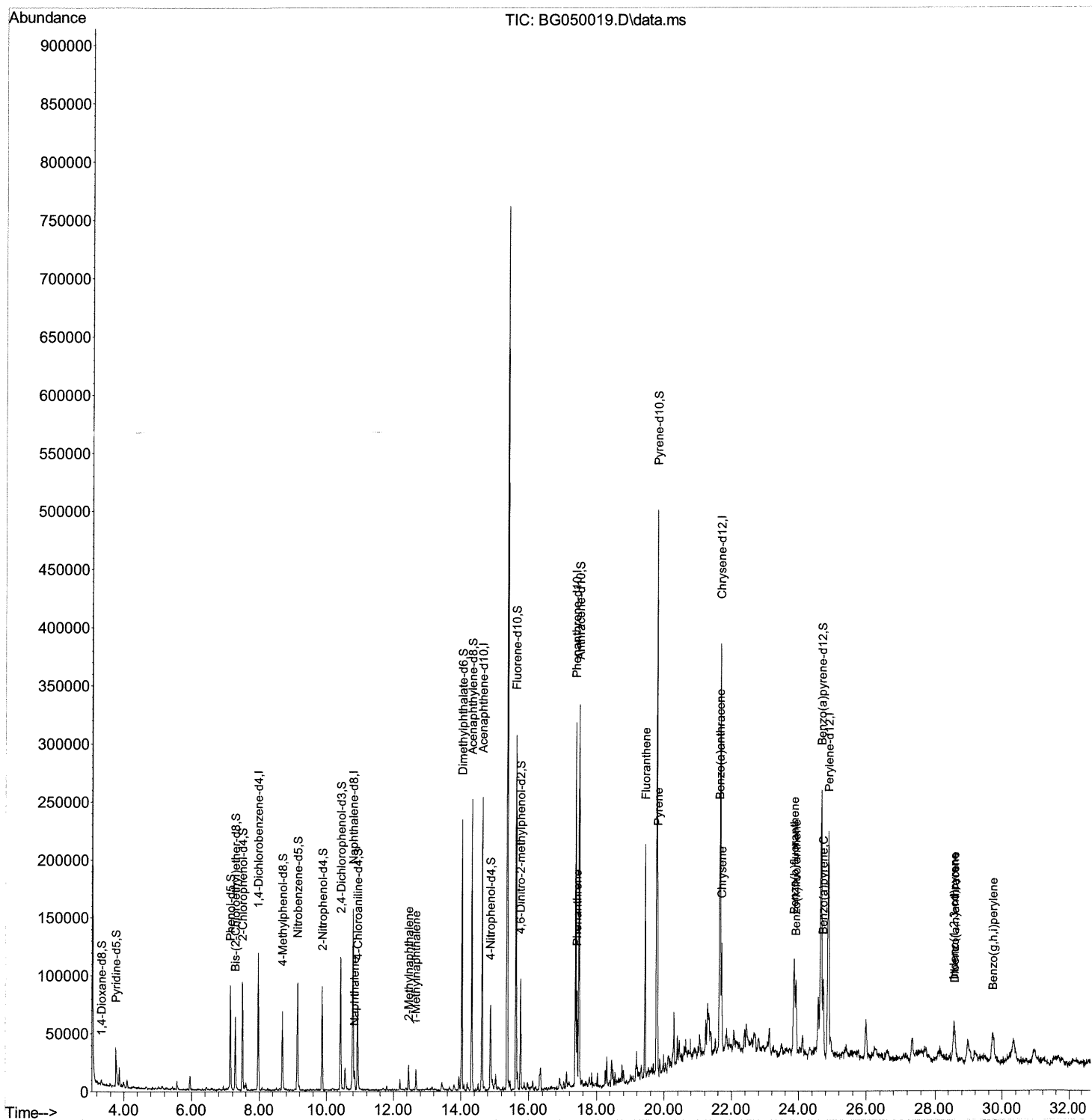
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082621\  
Data File : BG050018.D  
Acq On : 28 Aug 2021 6:00  
Operator : CG/JU  
Sample : M3518-01  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0AS4

Manual Integrations  
APPROVED

mohammad  
8/30/2021 10:33:26 AM

Quant Time: Aug 28 06:42:01 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG081921.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Aug 27 11:22:49 2021  
Response via : Initial Calibration



# Quantitation Report (Qedit)

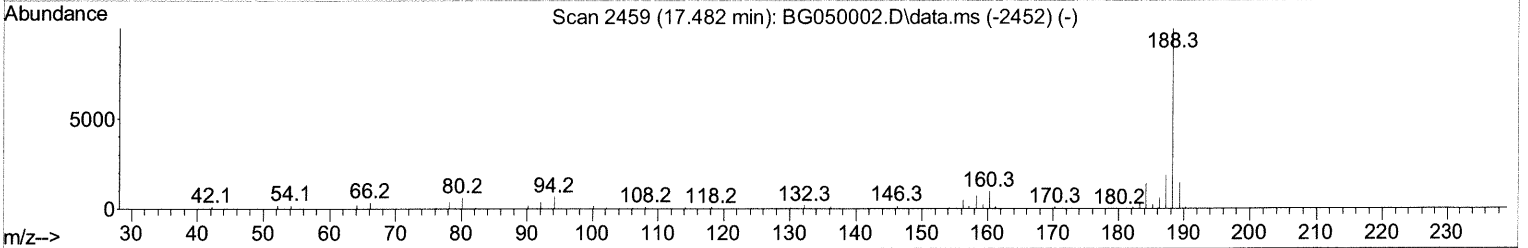
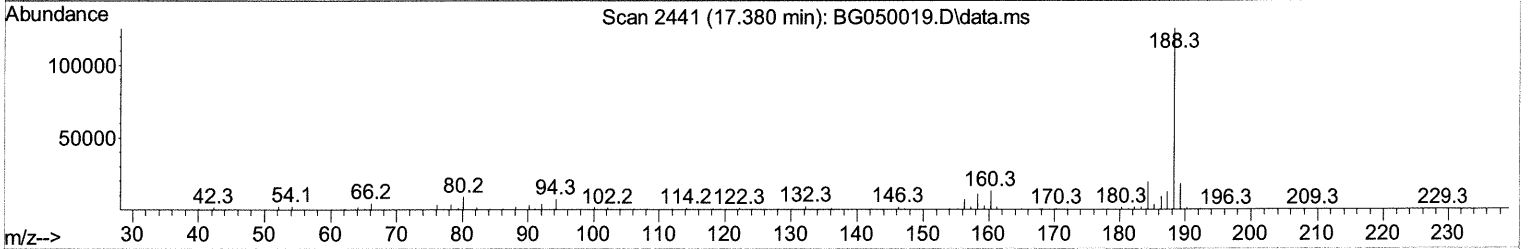
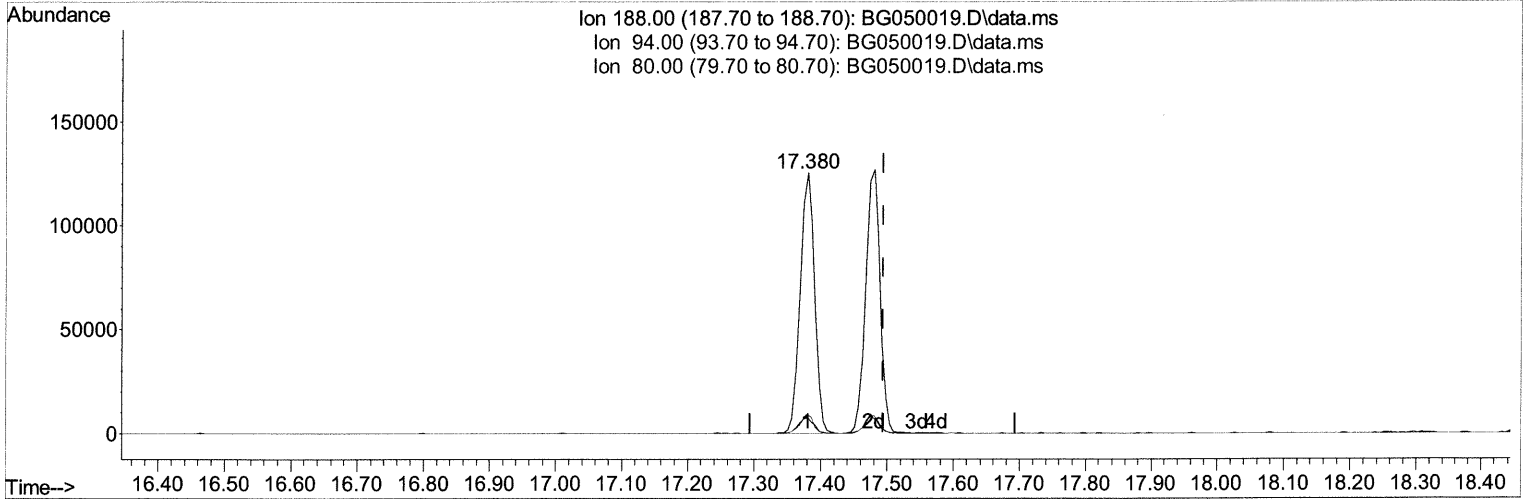
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082621\  
 Data File : BG050018.D  
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TIC: BG050019.D\data.ms

(73) Anthracene-d10 (S)

17.380min (-0.114) 22.27 ng/ul

response 187230

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 7.30   | 6.02   |
| 80.00  | 6.70   | 7.09   |
| 0.00   | 0.00   | 0.00   |

## Quantitation Report (Qedit)

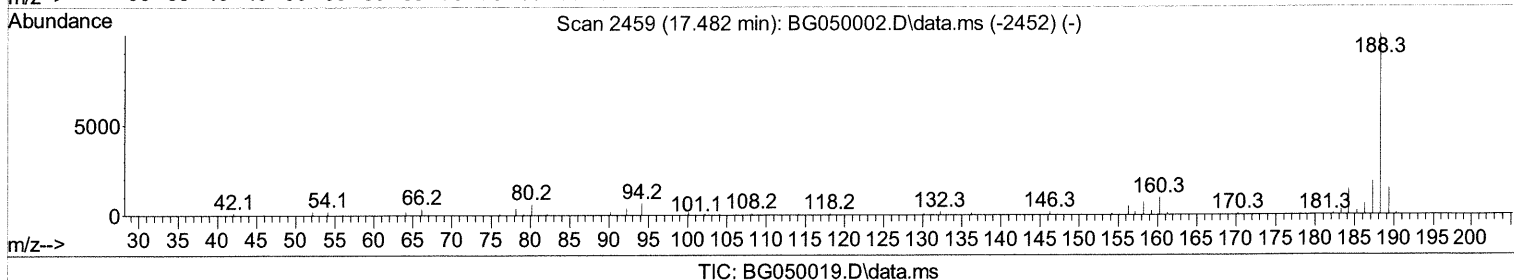
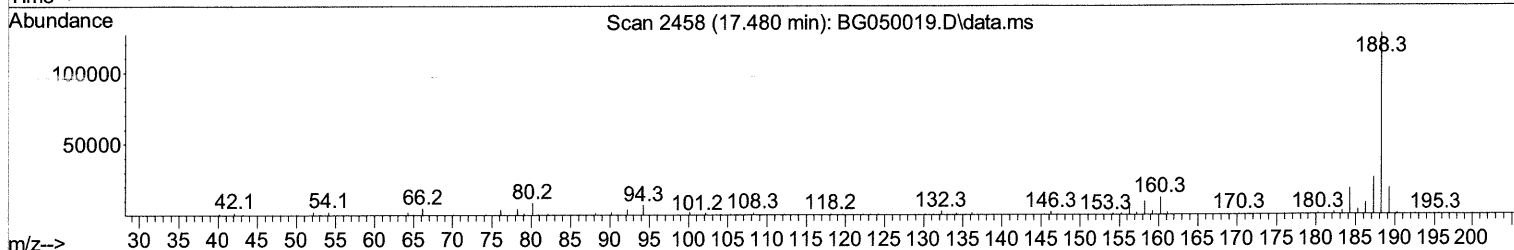
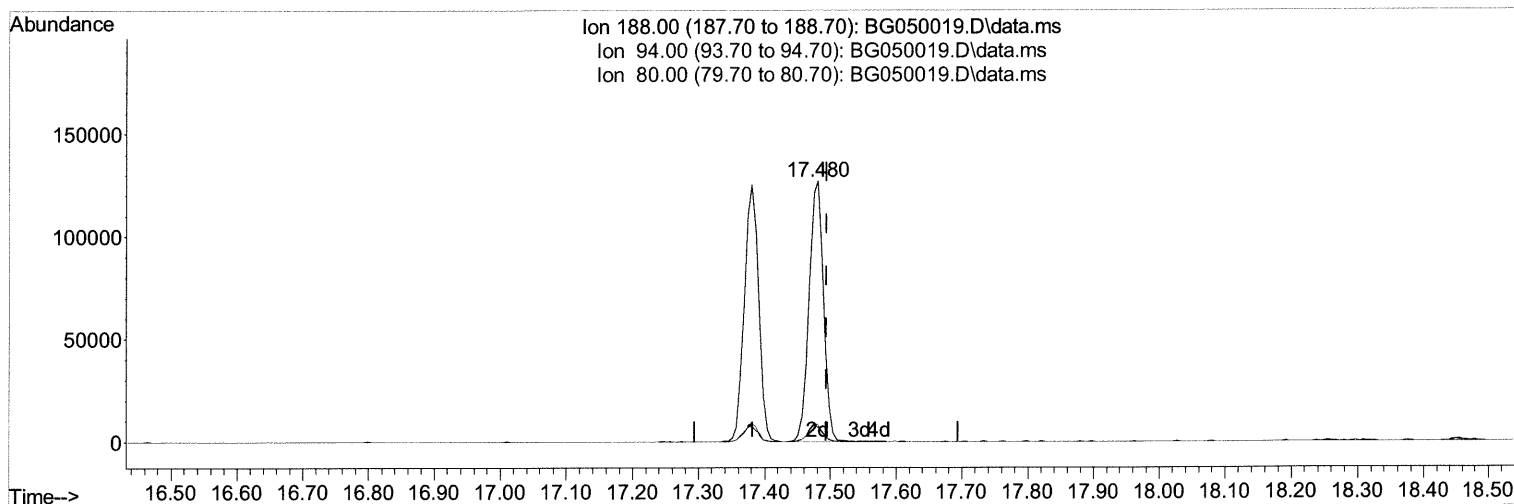
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082621\  
Data File : BG050018.D  
Acq On : 28 Aug 2021 6:00  
Operator : CG/JU  
Sample : M3518-01  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0AS4

Manual Integrations  
APPROVED

mohammad  
8/30/2021 10:33:26 AM

Quant Time: Aug 28 06:42:01 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG081921.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Aug 27 11:22:49 2021  
Response via : Initial Calibration



(73) Anthracene-d10 (S)

17.480min (-0.014) 22.85 ng/ul m 09/08/21 JU

response 192104

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 7.30   | 5.52#  |
| 80.00  | 6.70   | 6.77   |
| 0.00   | 0.00   | 0.00   |

## Quantitation Report (Qedit)

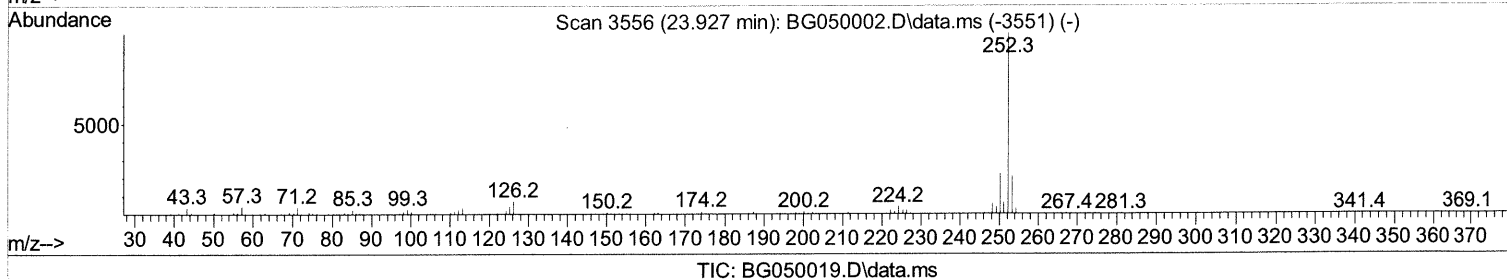
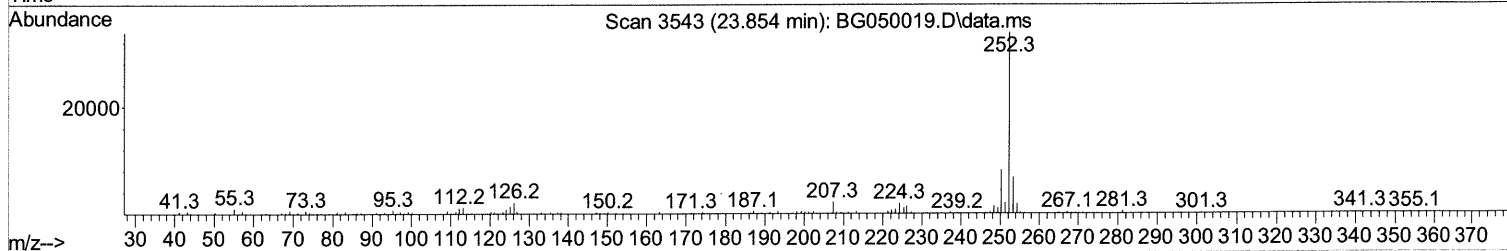
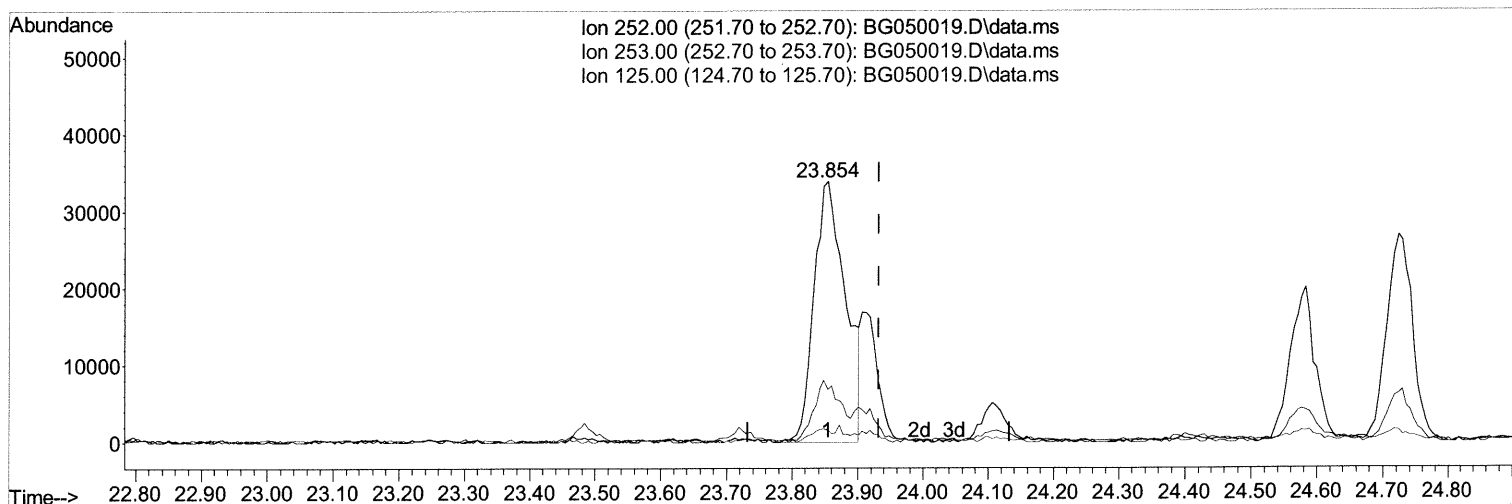
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082621\  
Data File : BG050018.D  
Acq On : 28 Aug 2021 6:00  
Operator : CG/JU  
Sample : M3518-01  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0AS4

Manual Integrations  
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mohammad  
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Quant Time: Aug 28 06:42:01 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG081921.M  
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QLast Update : Fri Aug 27 11:22:49 2021  
Response via : Initial Calibration



(91) Benzo(k)fluoranthene

23.854min (-0.078) 9.70 ng/ul

response 112911

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.10  | 20.21  |
| 125.00 | 5.10   | 4.68   |
| 0.00   | 0.00   | 0.00   |

## Quantitation Report (Qedit)

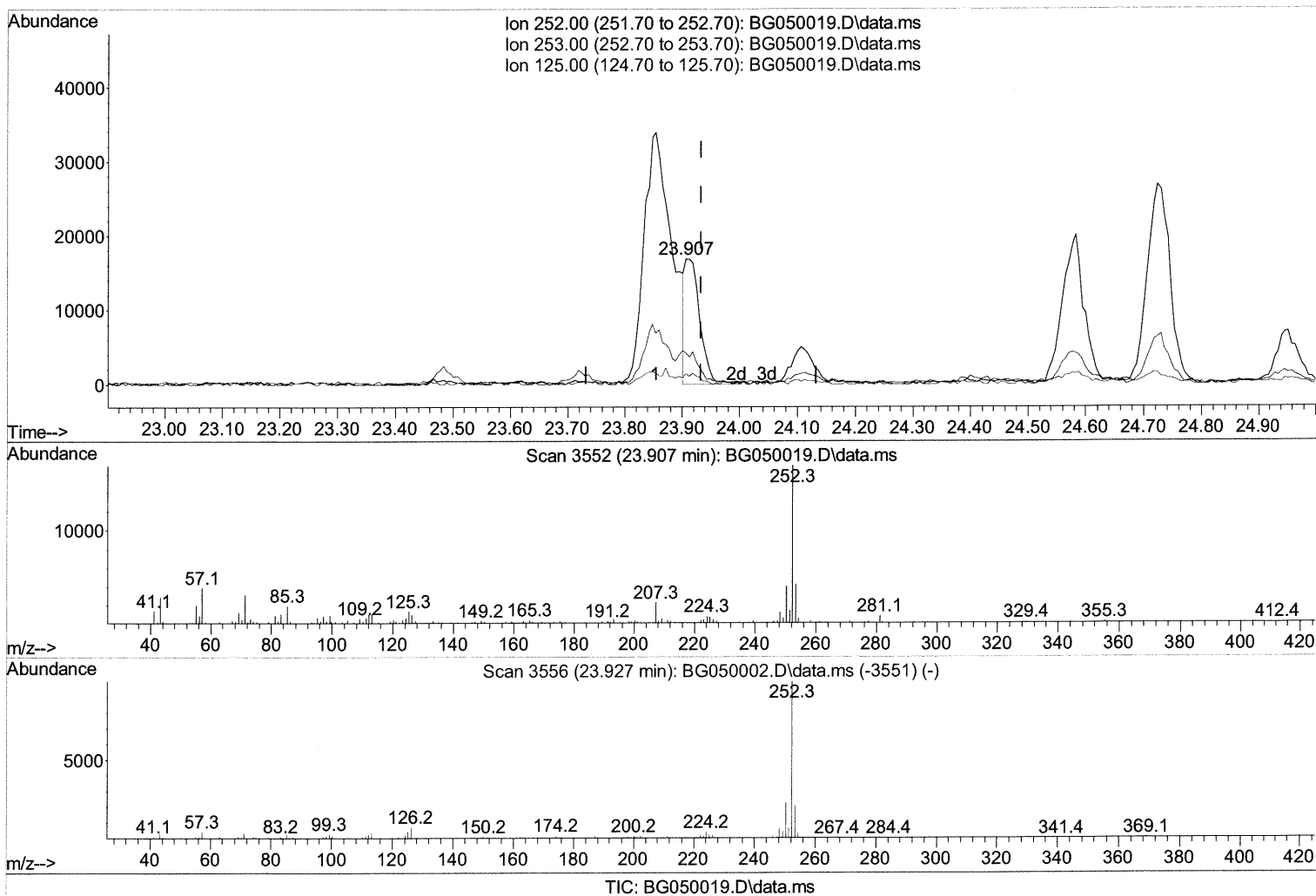
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082621\  
Data File : BG050018.D  
Acq On : 28 Aug 2021 6:00  
Operator : CG/JU  
Sample : M3518-01  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0AS4

Manual Integrations  
APPROVED

mohammad  
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Quant Time: Aug 28 06:42:01 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG081921.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Aug 27 11:22:49 2021  
Response via : Initial Calibration



(91) Benzo(k)fluoranthene

23.907min (-0.026) 2.58 ng/ul m 09/08/21ju

response 30044

| Ion | Exp% | Act% |
|-----|------|------|
|-----|------|------|

|        |        |        |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
|--------|--------|--------|

|        |       |       |
|--------|-------|-------|
| 253.00 | 22.10 | 24.96 |
|--------|-------|-------|

|        |      |       |
|--------|------|-------|
| 125.00 | 5.10 | 8.23# |
|--------|------|-------|

|      |      |      |
|------|------|------|
| 0.00 | 0.00 | 0.00 |
|------|------|------|

# Quantitation Report (Qedit)

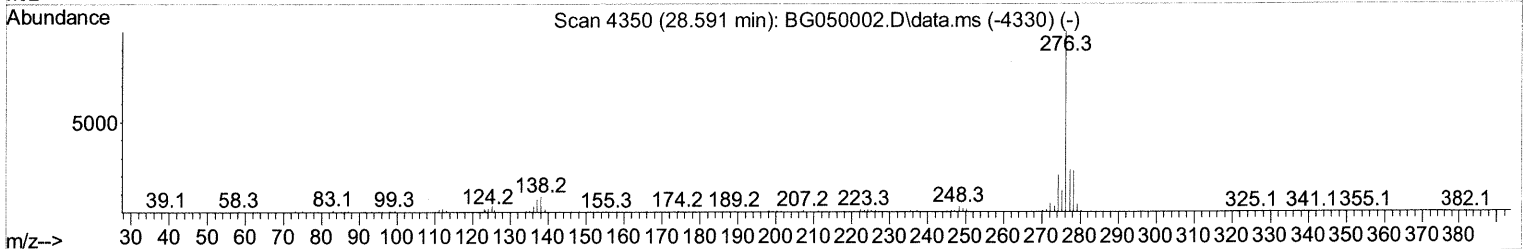
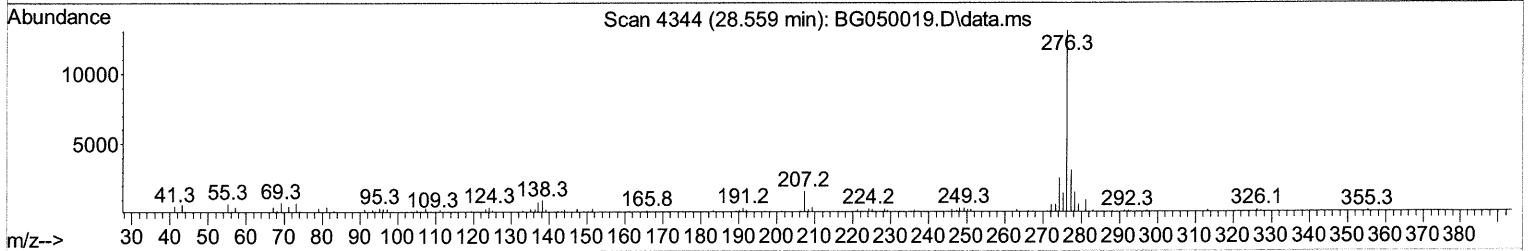
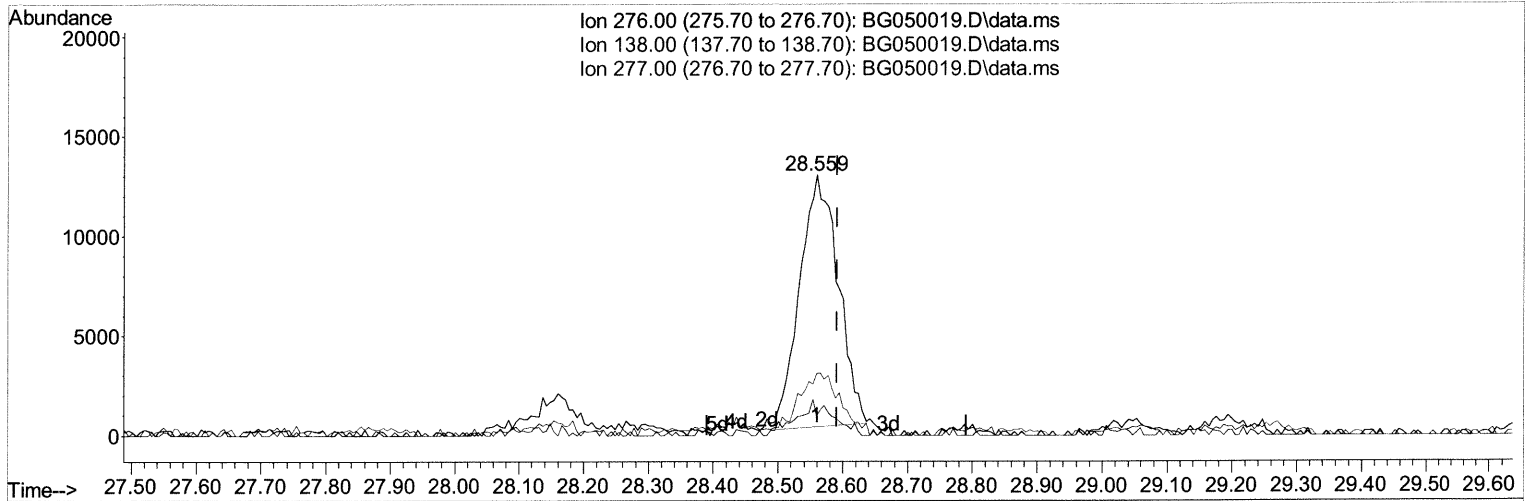
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082621\  
 Data File : BG050018.D  
 Acq On : 28 Aug 2021 6:00  
 Operator : CG/JU  
 Sample : M3518-01  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0AS4

Manual Integrations  
 APPROVED

mohammad  
 8/30/2021 10:33:26 AM

Quant Time: Aug 28 06:42:01 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG081921.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Aug 27 11:22:49 2021  
 Response via : Initial Calibration



TIC: BG050019.D\data.ms

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

28.559min (-0.031) 3.71 ng/ul

response 52059

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 6.90   | 7.49   |
| 277.00 | 23.20  | 23.82  |
| 0.00   | 0.00   | 0.00   |

## Quantitation Report (Qedit)

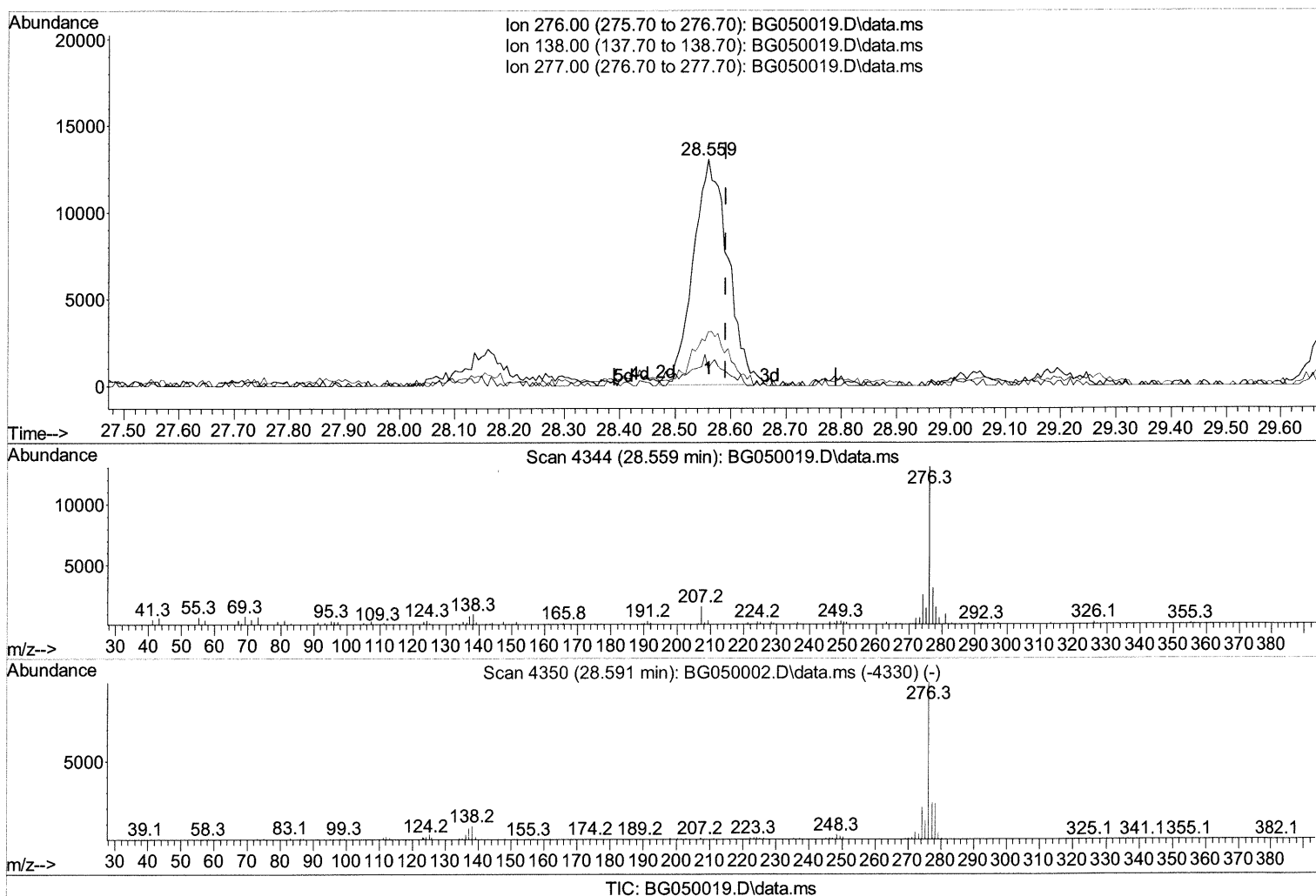
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082621\  
Data File : BG050018.D  
Acq On : 28 Aug 2021 6:00  
Operator : CG/JU  
Sample : M3518-01  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0AS4

Manual Integrations  
APPROVED

mohammad  
8/30/2021 10:33:26 AM

Quant Time: Aug 28 06:42:01 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG081921.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Aug 27 11:22:49 2021  
Response via : Initial Calibration



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

28.559min (-0.031) 4.05 ng/ul m 09/08/21ju

response 56880

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 6.90   | 7.49   |
| 277.00 | 23.20  | 23.82  |
| 0.00   | 0.00   | 0.00   |

## Quantitation Report (Qedit)

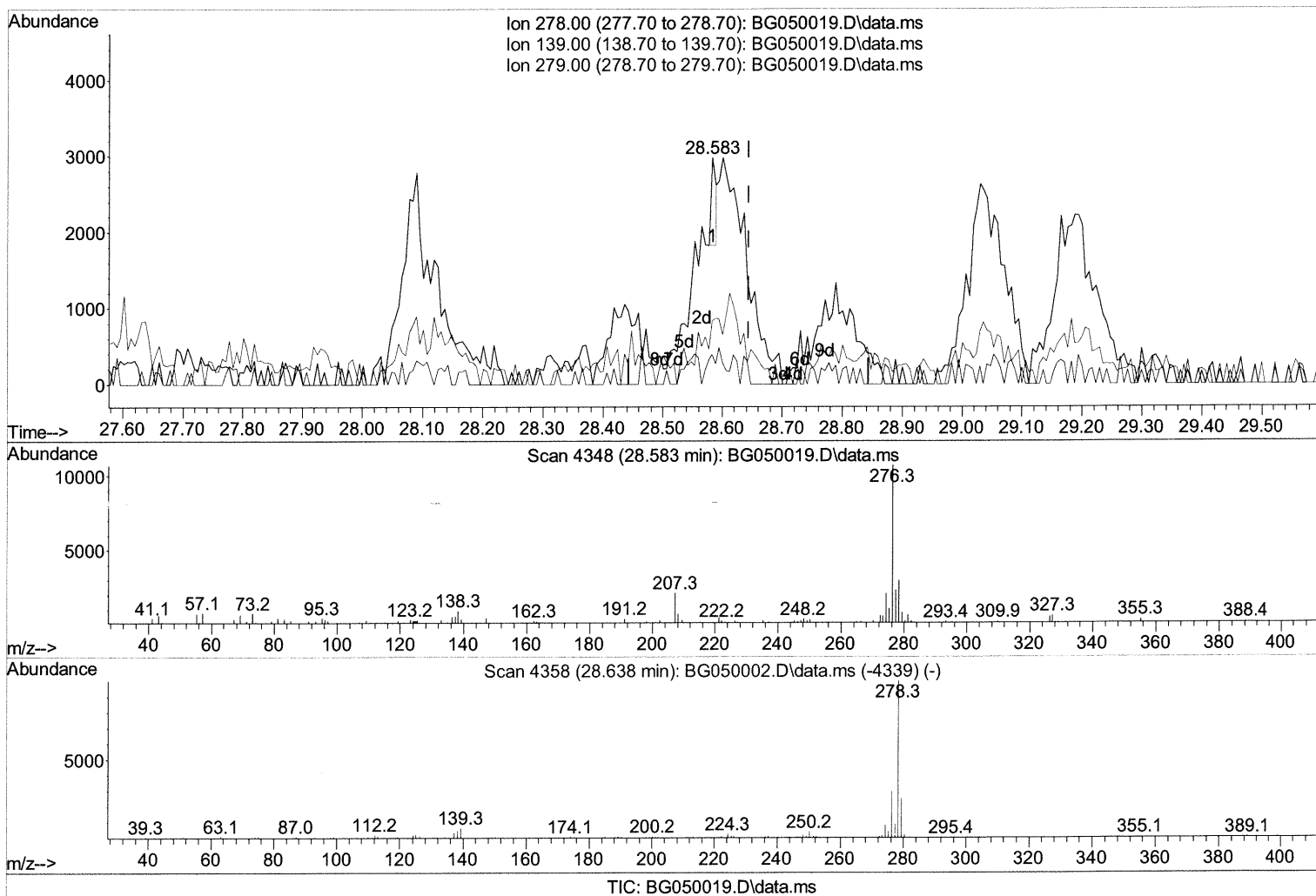
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082621\  
Data File : BG050018.D  
Acq On : 28 Aug 2021 6:00  
Operator : CG/JU  
Sample : M3518-01  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0AS4

Manual Integrations  
APPROVED

mohammad  
8/30/2021 10:33:26 AM

Quant Time: Aug 28 06:42:01 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG081921.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Aug 27 11:22:49 2021  
Response via : Initial Calibration



(95) Dibenzo(a,h)anthracene

28.583min (-0.061) 0.06 ng/ul

response 690

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 6.50   | 13.16# |
| 279.00 | 23.70  | 27.87  |
| 0.00   | 0.00   | 0.00   |

## Quantitation Report (Qedit)

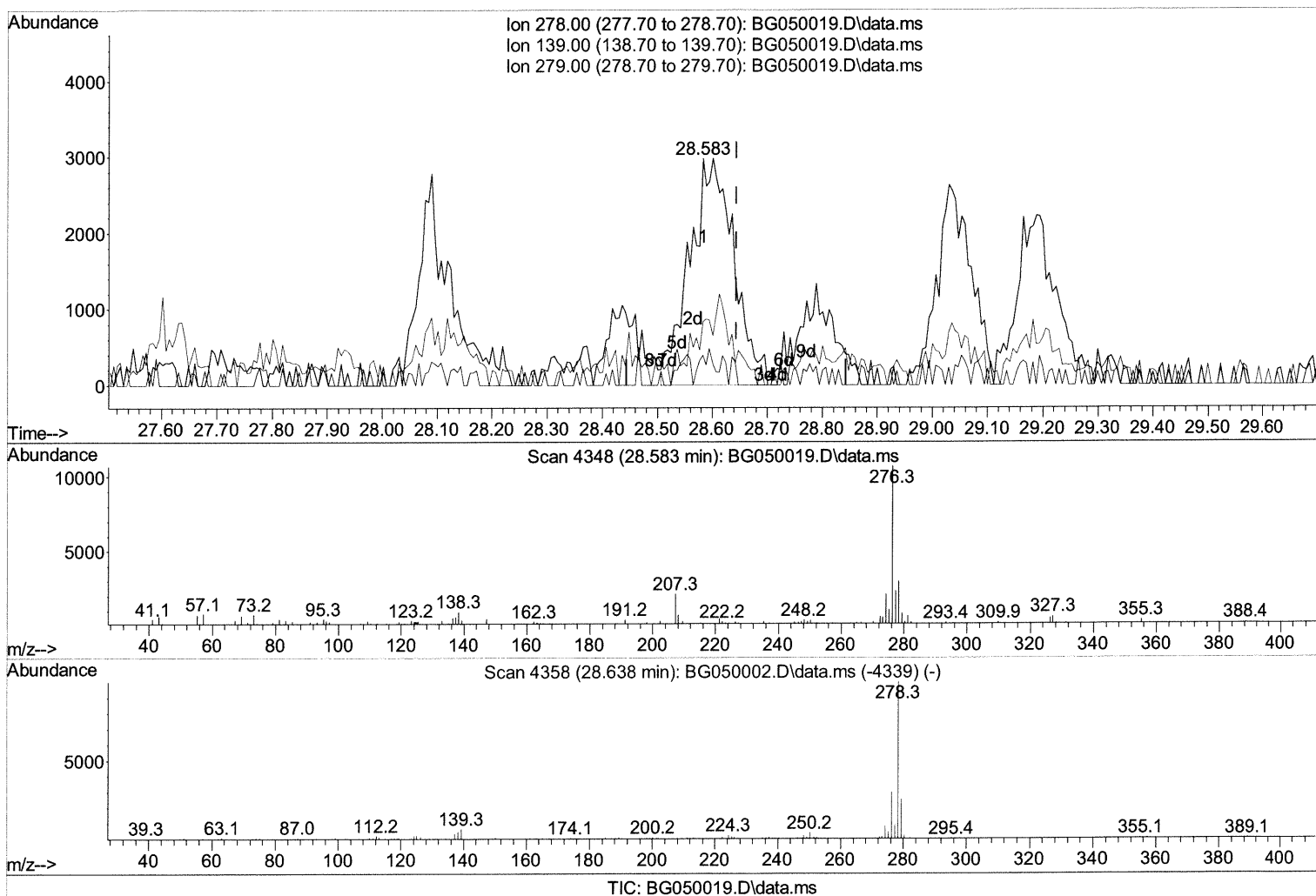
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082621\  
Data File : BG050018.D  
Acq On : 28 Aug 2021 6:00  
Operator : CG/JU  
Sample : M3518-01  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampled :  
C0AS4

Manual Integrations  
APPROVED

mohammad  
8/30/2021 10:33:26 AM

Quant Time: Aug 28 06:42:01 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG081921.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Aug 27 11:22:49 2021  
Response via : Initial Calibration



(95) Dibenzo(a,h)anthracene

28.583min (-0.061) 1.41 ng/ul m 09/08/21 JU

response 16502

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 6.50   | 13.16# |
| 279.00 | 23.70  | 27.87  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082621\  
 Data File : BG050018.D  
 Acq On : 28 Aug 2021 6:00  
 Operator : CG/JU  
 Sample : M3518-01  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampled :  
 C0AS4

Manual Integrations  
 APPROVED

mohammad  
 8/30/2021 10:33:26 AM

Quant Time: Aug 28 06:42:01 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG081921.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Aug 27 11:22:49 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response  | Conc   | Units   | Dev(Min)         |
|-------------------------------|--------|------|-----------|--------|---------|------------------|
| -----                         |        |      |           |        |         |                  |
| Internal Standards            |        |      |           |        |         |                  |
| 1) 1,4-Dichlorobenzene-d4     | 7.964  | 152  | 32091     | 20.000 | ng/ul   | -0.02            |
| 20) Naphthalene-d8            | 10.783 | 136  | 131589    | 20.000 | ng/ul   | -0.02            |
| 38) Acenaphthene-d10          | 14.625 | 164  | 90627     | 20.000 | ng/ul   | -0.01            |
| 64) Phenanthrene-d10          | 17.380 | 188  | 187230    | 20.000 | ng/ul   | -0.01            |
| 79) Chrysene-d12              | 21.651 | 240  | 188685    | 20.000 | ng/ul   | -0.01            |
| 88) Perylene-d12              | 24.882 | 264  | 191455    | 20.000 | ng/ul   | -0.01            |
|                               |        |      |           |        |         |                  |
| System Monitoring Compounds   |        |      |           |        |         |                  |
| 3) 1,4-Dioxane-d8             | 3.323  | 96   | 2359      | 3.791  | ng/ul   | -0.02            |
| 4) Pyridine-d5                | 3.758  | 84   | 20543     | 10.959 | ng/ul   | -0.01            |
| 7) Phenol-d5                  | 7.135  | 99   | 51160     | 18.774 | ng/ul   | -0.01            |
| 9) Bis-(2-Chloroethyl)eth...  | 7.282  | 67   | 32013     | 21.146 | ng/ul   | -0.03            |
| 11) 2-Chlorophenol-d4         | 7.500  | 132  | 41129     | 20.171 | ng/ul   | -0.01            |
| 15) 4-Methylphenol-d8         | 8.686  | 113  | 25911     | 12.073 | ng/ul   | -0.01            |
| 21) Nitrobenzene-d5           | 9.139  | 128  | 21693     | 21.264 | ng/ul   | -0.01            |
| 24) 2-Nitrophenol-d4          | 9.867  | 143  | 25822     | 21.257 | ng/ul   | -0.01            |
| 28) 2,4-Dichlorophenol-d3     | 10.419 | 165  | 43221     | 19.948 | ng/ul   | 0.00             |
| 31) 4-Chloroaniline-d4        | 10.924 | 131  | 37310     | 12.651 | ng/ul   | -0.01            |
| 46) Dimethylphthalate-d6      | 14.026 | 166  | 147144    | 21.215 | ng/ul   | -0.01            |
| 49) Acenaphthylene-d8         | 14.320 | 160  | 179353    | 22.055 | ng/ul   | -0.01            |
| 54) 4-Nitrophenol-d4          | 14.872 | 143  | 19197     | 19.130 | ng/ul   | 0.02             |
| 60) Fluorene-d10              | 15.618 | 176  | 127046    | 21.604 | ng/ul   | -0.01            |
| 65) 4,6-Dinitro-2-methylph... | 15.753 | 200  | 19208     | 15.946 | ng/ul   | -0.01            |
| 73) Anthracene-d10            | 17.480 | 188  | 192104m > | 22.849 | ng/ul > | -0.01 09/08/2021 |
| 81) Pyrene-d10                | 19.771 | 212  | 252108    | 24.725 | ng/ul   | 0.00             |
| 92) Benzo(a)pyrene-d12        | 24.659 | 264  | 245401    | 24.160 | ng/ul   | -0.01            |
|                               |        |      |           |        |         |                  |
| Target Compounds              |        |      |           |        |         |                  |
|                               |        |      |           |        | Qvalue  |                  |
| 30) Naphthalene               | 10.836 | 128  | 14130     | 2.148  | ng/ul   | 98               |
| 36) 2-Methylnaphthalene       | 12.446 | 142  | 10176     | 2.081  | ng/ul   | 94               |
| 37) 1-Methylnaphthalene       | 12.663 | 142  | 9426      | 1.910  | ng/ul#  | 88               |
| 72) Phenanthrene              | 17.421 | 178  | 50538     | 5.414  | ng/ul   | 96               |
| 80) Fluoranthene              | 19.436 | 202  | 125521    | 9.976  | ng/ul#  | 95               |
| 82) Pyrene                    | 19.795 | 202  | 108891    | 8.734  | ng/ul   | 99               |
| 85) Benzo(a)anthracene        | 21.633 | 228  | 66999     | 5.699  | ng/ul   | 97               |
| 87) Chrysene                  | 21.698 | 228  | 70919     | 6.381  | ng/ul   | 98               |
| 90) Benzo(b)fluoranthene      | 23.854 | 252  | 112911    | 9.220  | ng/ul   | 96               |
| 91) Benzo(k)fluoranthene      | 23.907 | 252  | 30044m >  | 2.581  | ng/ul > | 09/08/2021       |
| 93) Benzo(a)pyrene            | 24.723 | 252  | 72853     | 6.850  | ng/ul   | 96               |
| 94) Indeno(1,2,3-cd)pyrene    | 28.559 | 276  | 56880m >  | 4.054  | ng/ul > | 09/08/2021       |
| 95) Dibenzo(a,h)anthracene    | 28.583 | 278  | 16502m >  | 1.405  | ng/ul   |                  |
| 96) Benzo(g,h,i)perylene      | 29.722 | 276  | 52958     | 4.490  | ng/ul   | 94               |
| -----                         |        |      |           |        |         |                  |

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