

(QT Reviewed)

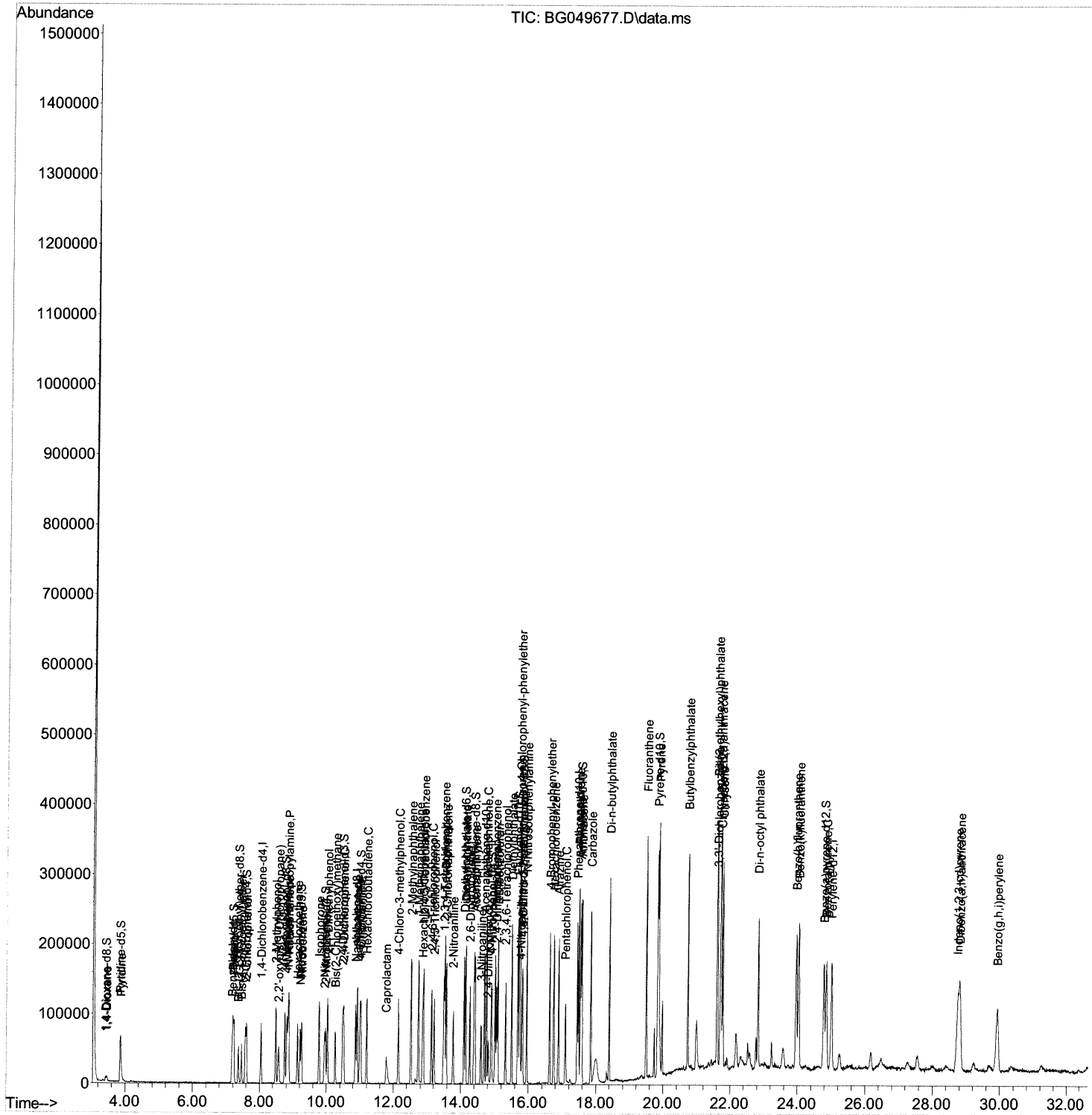
```
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080521\  
Data File : BG049677.D  
Acq On    : 6 Aug 2021 15:39  
Operator  : CG/JU  
Sample    : SSTDCCC020  
Misc      :  
ALS Vial  : 2    Sample Multiplier: 1
```

**Instrument :**  
BNA\_G  
**LabSampleId :**  
SSTDCCC020

## Manual Integrations APPROVED

mohammad  
8/9/2021 12:09:04 PM

Quant Time: Aug 06 16:22:09 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG080421.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 04 16:17:29 2021  
Response via : Initial Calibration



# Quantitation Report (Qedit)

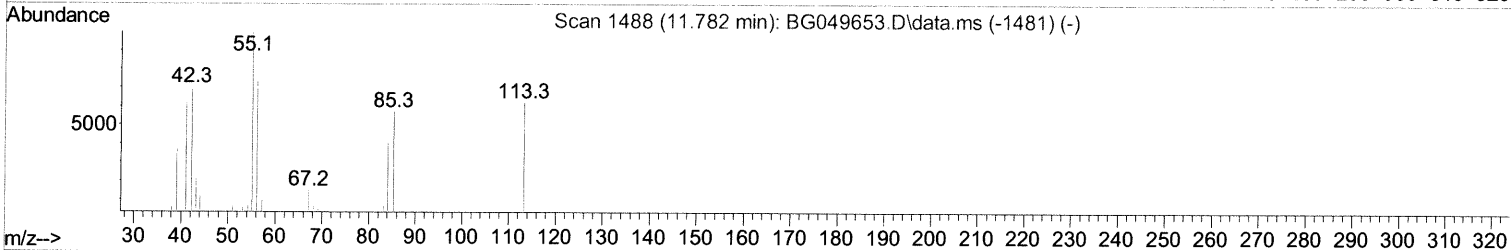
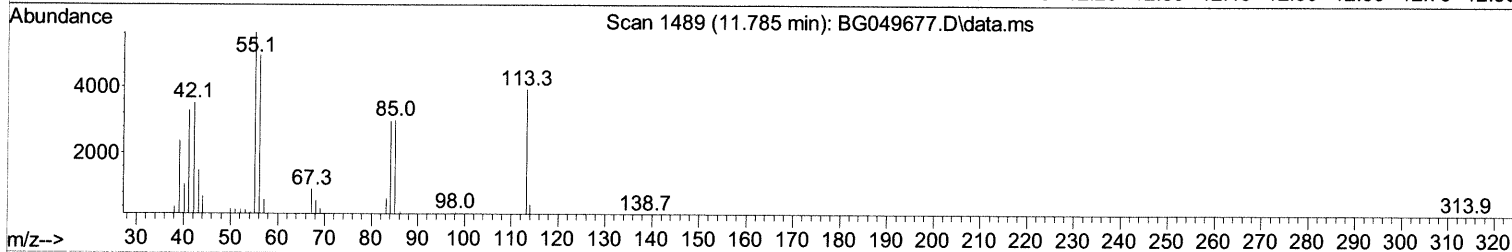
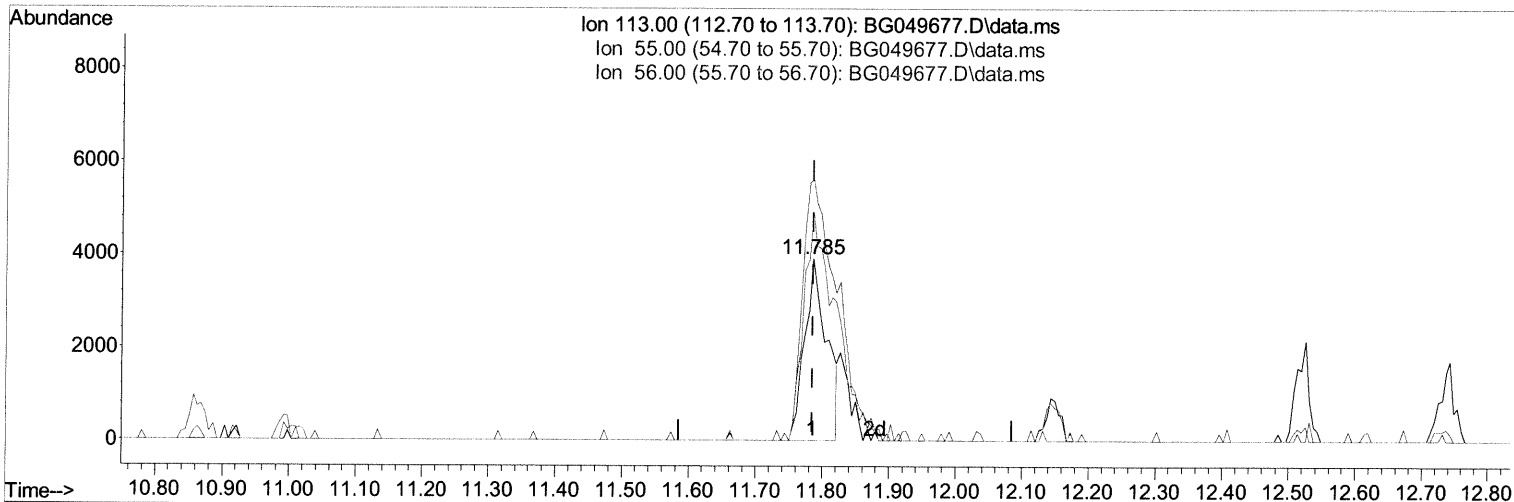
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG080521\  
 Data File : BG049677.D  
 Acq On : 6 Aug 2021 15:39  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020

Manual Integrations  
 APPROVED

mohammad  
 8/9/2021 12:09:04 PM

Quant Time: Aug 06 16:22:09 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG080421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 04 16:17:29 2021  
 Response via : Initial Calibration



TIC: BG049677.D\data.ms

## (34) Caprolactam

11.785min (+ 0.000) 18.52 ng/ul

response 8965

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 163.90 | 143.44 |
| 56.00  | 125.20 | 126.10 |
| 0.00   | 0.00   | 0.00   |

## Quantitation Report (Qedit)

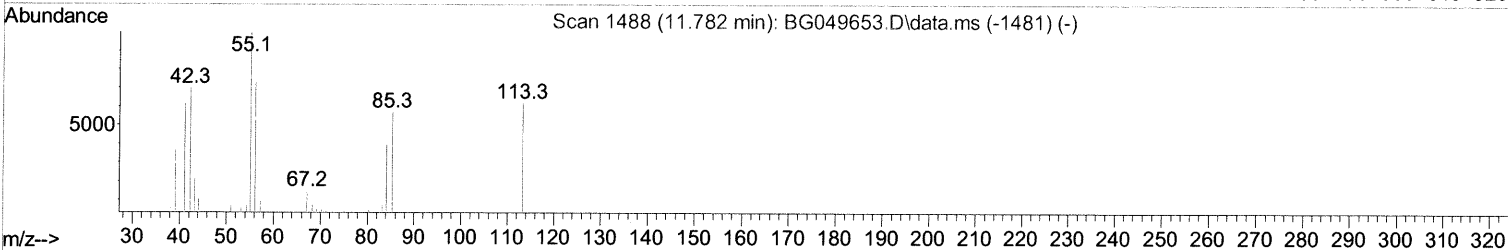
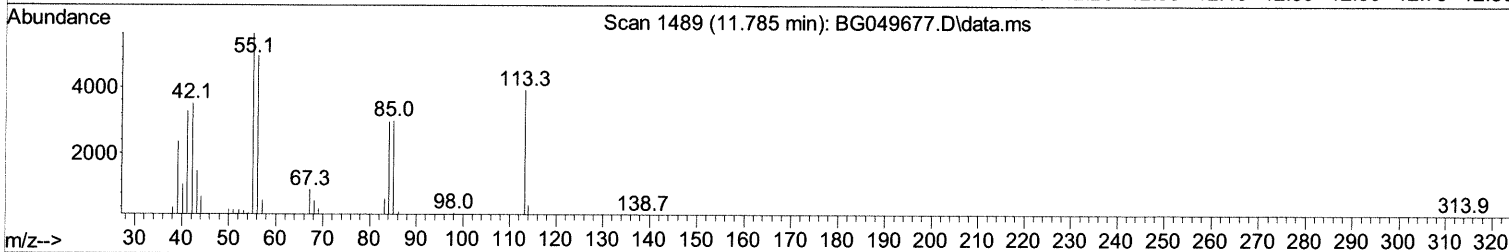
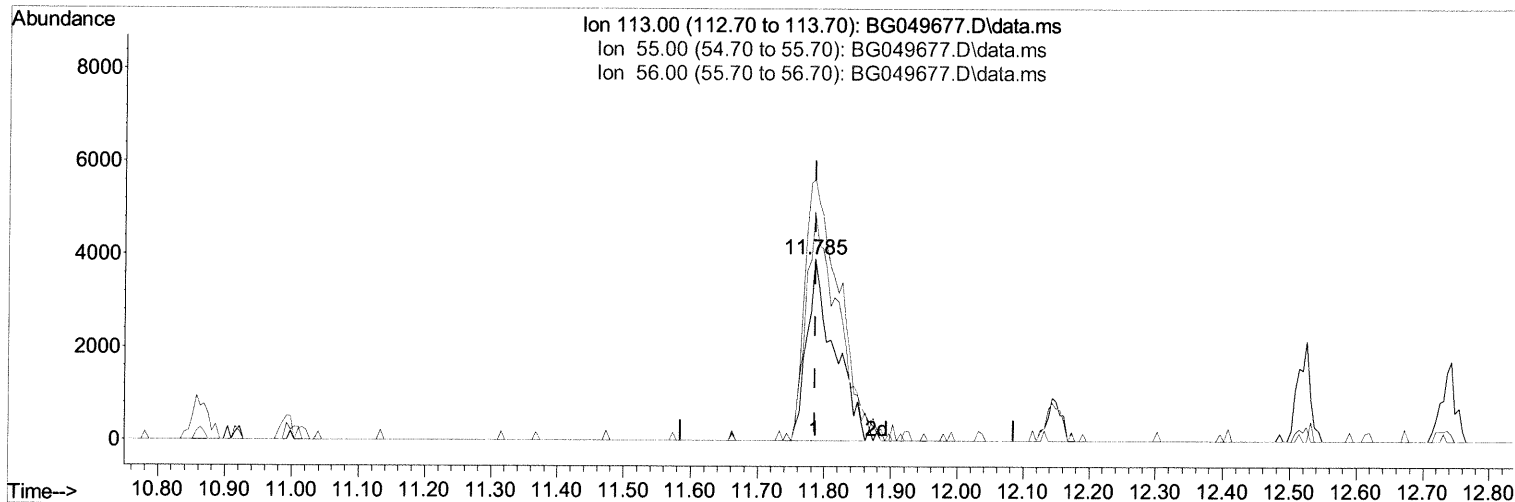
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG080521\  
Data File : BG049677.D  
Acq On : 6 Aug 2021 15:39  
Operator : CG/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC020

Manual Integrations  
APPROVED

mohammad  
8/9/2021 12:09:04 PM

Quant Time: Aug 06 16:22:09 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG080421.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 04 16:17:29 2021  
Response via : Initial Calibration



TIC: BG049677.D\data.ms

(34) Caprolactam

11.785min (+ 0.000) 23.19 ng/ul m 08/11/21 JU

response 11224

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 163.90 | 143.44 |
| 56.00  | 125.20 | 126.10 |
| 0.00   | 0.00   | 0.00   |

## Quantitation Report (Qedit)

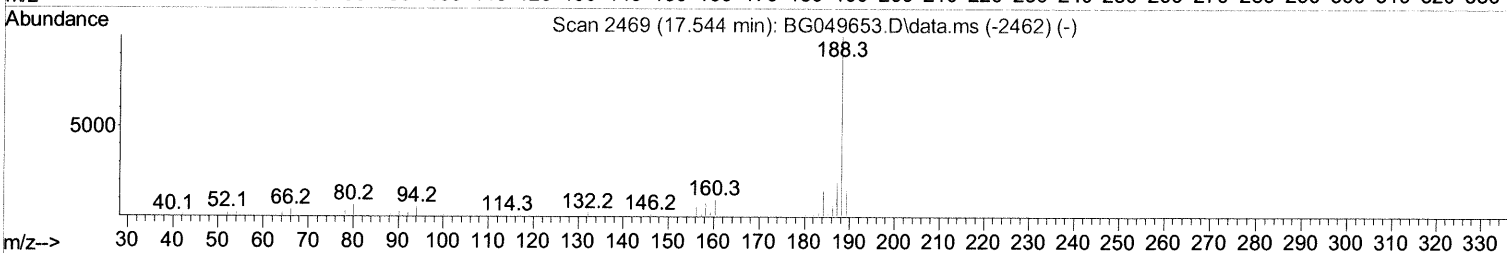
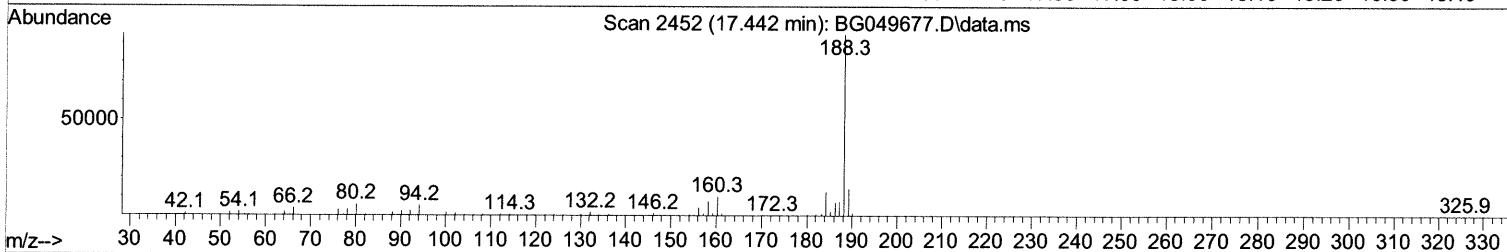
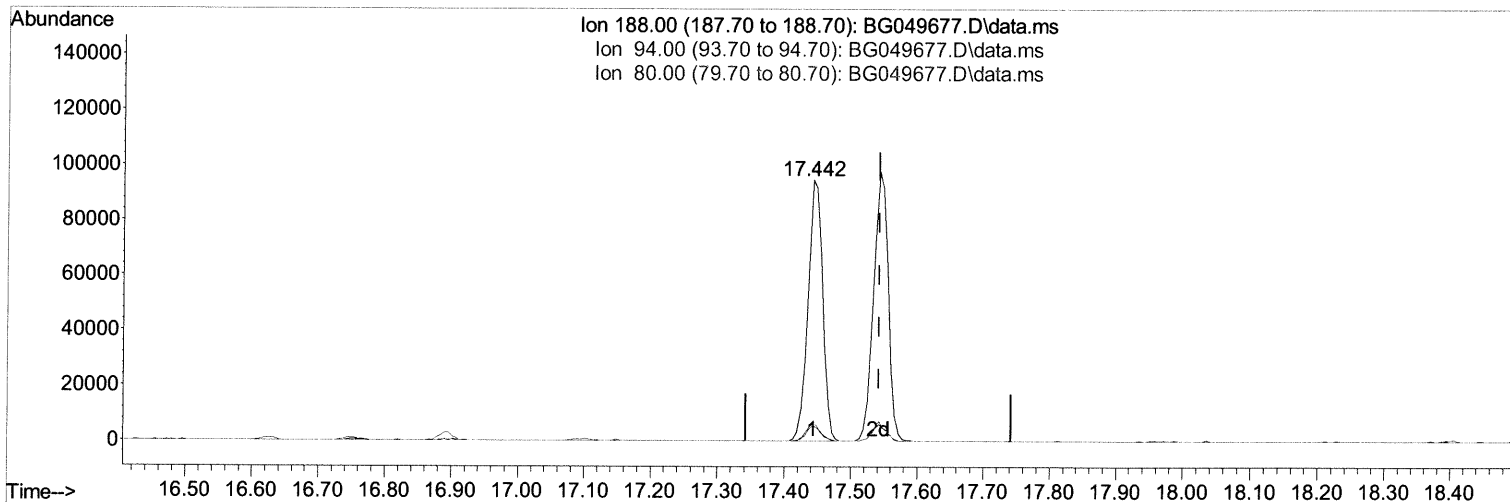
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG080521\  
Data File : BG049677.D  
Acq On : 6 Aug 2021 15:39  
Operator : CG/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC020

Manual Integrations  
APPROVED

mohammad  
8/9/2021 12:09:04 PM

Quant Time: Aug 06 16:22:09 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG080421.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 04 16:17:29 2021  
Response via : Initial Calibration



TIC: BG049677.D\data.ms

(73) Anthracene-d10 (S)

17.442min (-0.100) 21.18 ng/ul

response 145666

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 5.60   | 5.71   |
| 80.00  | 6.00   | 6.37   |
| 0.00   | 0.00   | 0.00   |

# Quantitation Report (Qedit)

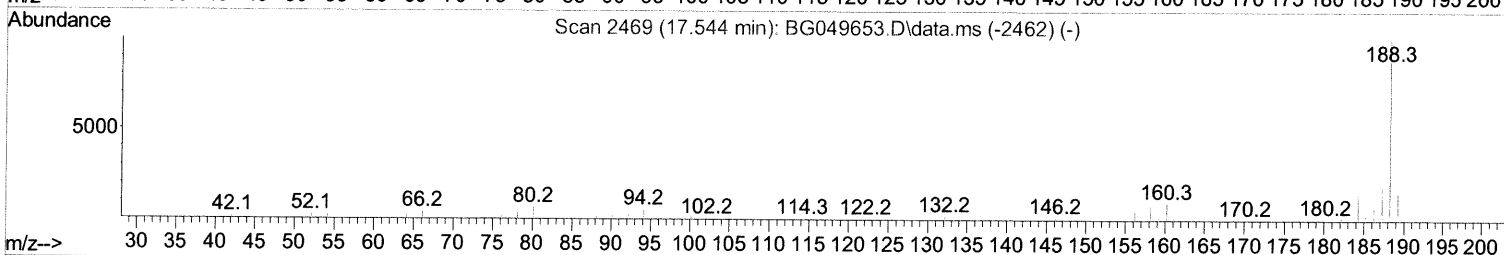
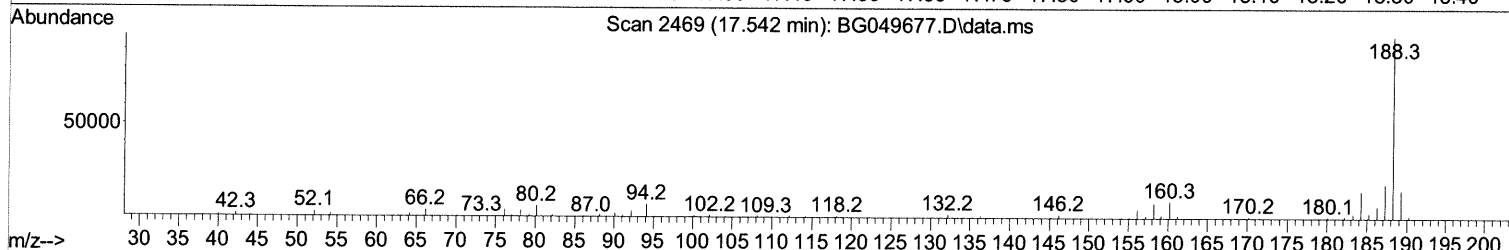
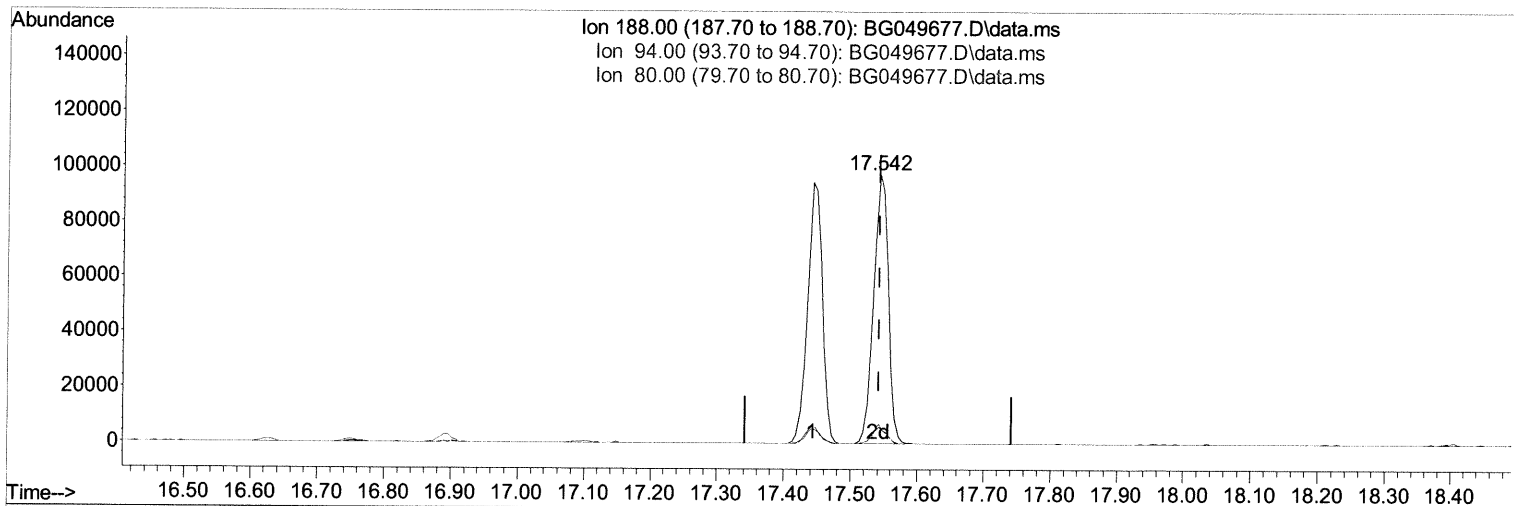
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG080521\  
 Data File : BG049677.D  
 Acq On : 6 Aug 2021 15:39  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020

Manual Integrations  
 APPROVED

mohammad  
 8/9/2021 12:09:04 PM

Quant Time: Aug 06 16:22:09 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG080421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 04 16:17:29 2021  
 Response via : Initial Calibration



TIC: BG049677.D\data.ms

(73) Anthracene-d10 (S)

17.542min (+ 0.000) 21.63 ng/ul m 08/11/21 JU

response 148701

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 5.60   | 7.12#  |
| 80.00  | 6.00   | 6.11   |
| 0.00   | 0.00   | 0.00   |

# Quantitation Report (Qedit)

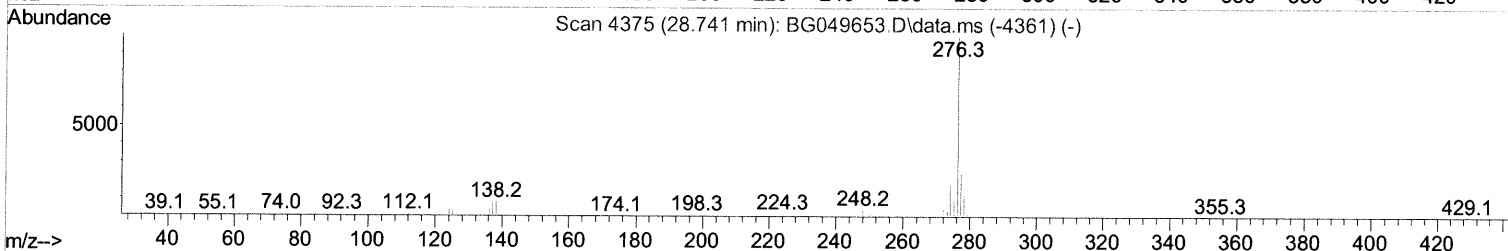
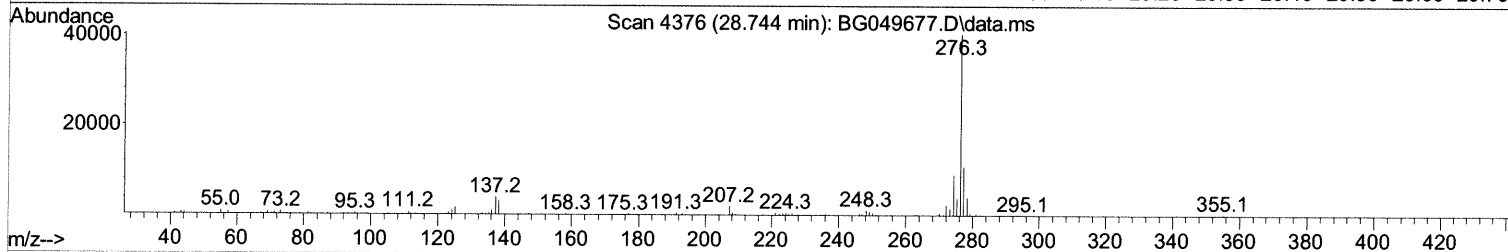
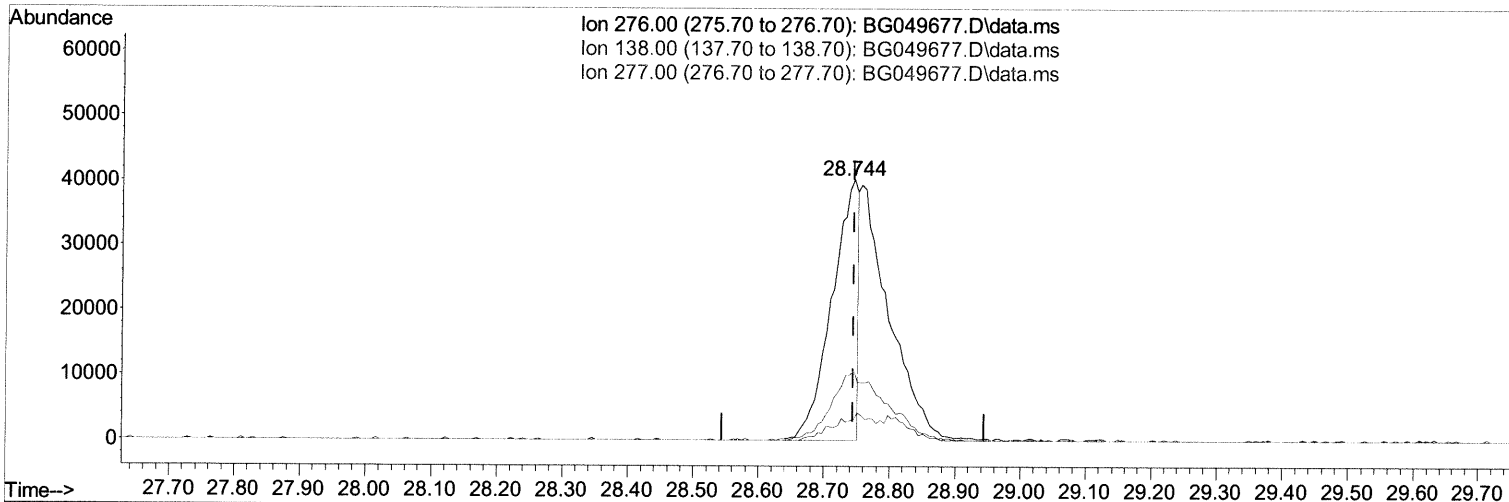
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG080521\  
 Data File : BG049677.D  
 Acq On : 6 Aug 2021 15:39  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020

Manual Integrations  
 APPROVED

mohammad  
 8/9/2021 12:09:04 PM

Quant Time: Aug 06 16:22:09 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG080421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 04 16:17:29 2021  
 Response via : Initial Calibration



TIC: BG049677.D\data.ms

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

28.744min (+ 0.000) 10.63 ng/ul

response 112307

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 8.30   | 8.03   |
| 277.00 | 24.30  | 26.91  |
| 0.00   | 0.00   | 0.00   |

# Quantitation Report (Qedit)

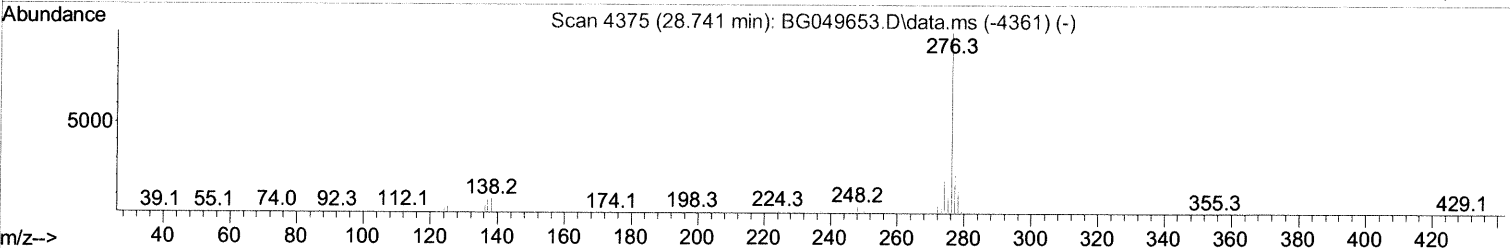
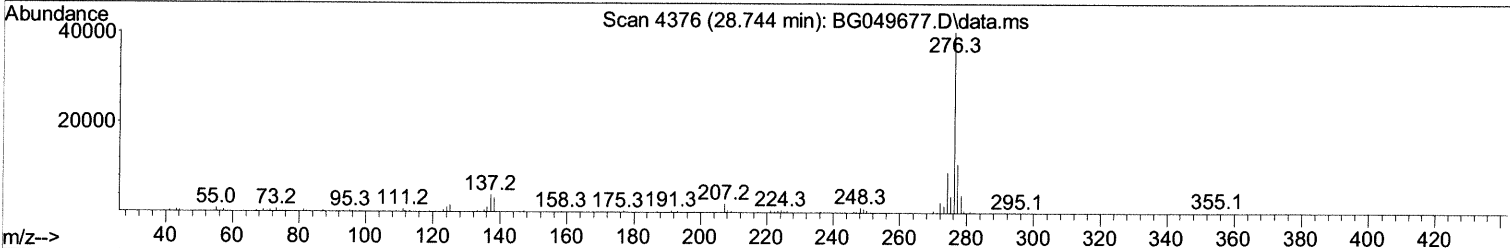
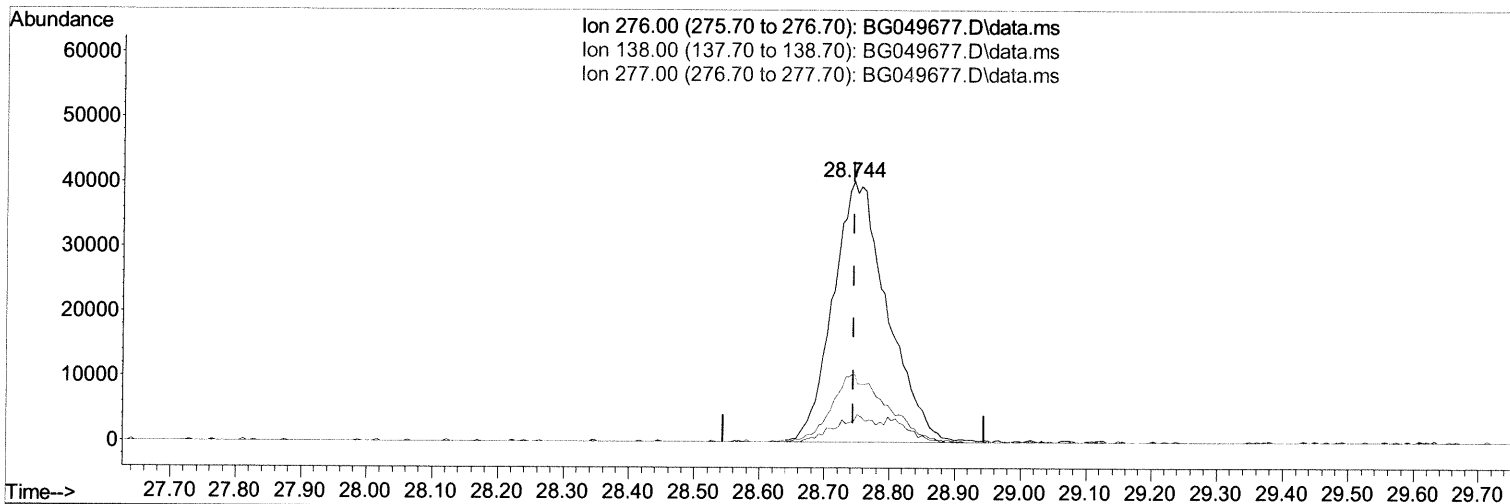
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG080521\  
 Data File : BG049677.D  
 Acq On : 6 Aug 2021 15:39  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020

Manual Integrations  
 APPROVED

mohammad  
 8/9/2021 12:09:04 PM

Quant Time: Aug 06 16:22:09 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG080421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 04 16:17:29 2021  
 Response via : Initial Calibration



TIC: BG049677.D\data.ms

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

28.744min (+ 0.000) 22.02 ng/ul m 08/11/2021

response 232690

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 8.30   | 8.03   |
| 277.00 | 24.30  | 26.91  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG080521\  
 Data File : BG049677.D  
 Acq On : 6 Aug 2021 15:39  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020

Manual Integrations  
 APPROVED

mohammad  
 8/9/2021 12:09:04 PM

Quant Time: Aug 06 16:22:09 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG080421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 04 16:17:29 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response  | Conc   | Units   | Dev(Min)        |
|-------------------------------|--------|------|-----------|--------|---------|-----------------|
| Internal Standards            |        |      |           |        |         |                 |
| 1) 1,4-Dichlorobenzene-d4     | 8.043  | 152  | 23280     | 20.000 | ng/ul   | 0.00            |
| 20) Naphthalene-d8            | 10.869 | 136  | 94356     | 20.000 | ng/ul   | 0.00            |
| 38) Acenaphthene-d10          | 14.693 | 164  | 65565     | 20.000 | ng/ul   | 0.00            |
| 64) Phenanthrene-d10          | 17.442 | 188  | 145666    | 20.000 | ng/ul   | 0.00            |
| 79) Chrysene-d12              | 21.725 | 240  | 134390    | 20.000 | ng/ul   | 0.00            |
| 88) Perylene-d12              | 25.002 | 264  | 139955    | 20.000 | ng/ul   | 0.00            |
| System Monitoring Compounds   |        |      |           |        |         |                 |
| 3) 1,4-Dioxane-d8             | 3.426  | 96   | 4018      | 8.069  | ng/uL   | 0.00            |
| 4) Pyridine-d5                | 3.855  | 84   | 28353     | 18.975 | ng/ul   | 0.00            |
| 7) Phenol-d5                  | 7.197  | 99   | 42499     | 20.115 | ng/ul   | 0.00            |
| 9) Bis-(2-Chloroethyl)eth...  | 7.362  | 67   | 24863     | 20.487 | ng/ul   | 0.00            |
| 11) 2-Chlorophenol-d4         | 7.573  | 132  | 32220     | 21.307 | ng/ul   | 0.00            |
| 15) 4-Methylphenol-d8         | 8.754  | 113  | 34459     | 21.391 | ng/ul   | 0.00            |
| 21) Nitrobenzene-d5           | 9.212  | 128  | 15510     | 20.868 | ng/ul   | 0.00            |
| 24) 2-Nitrophenol-d4          | 9.935  | 143  | 19636     | 23.133 | ng/ul   | 0.00            |
| 28) 2,4-Dichlorophenol-d3     | 10.481 | 165  | 34780     | 21.730 | ng/ul   | 0.00            |
| 31) 4-Chloroaniline-d4        | 10.998 | 131  | 47326     | 21.599 | ng/ul   | 0.00            |
| 46) Dimethylphthalate-d6      | 14.094 | 166  | 112634    | 21.891 | ng/ul   | 0.00            |
| 49) Acenaphthylene-d8         | 14.387 | 160  | 126295    | 20.632 | ng/ul   | 0.00            |
| 54) 4-Nitrophenol-d4          | 14.893 | 143  | 18470     | 22.202 | ng/ul   | 0.00            |
| 60) Fluorene-d10              | 15.686 | 176  | 92670     | 20.953 | ng/ul   | 0.00            |
| 65) 4,6-Dinitro-2-methylph... | 15.809 | 200  | 21656     | 22.089 | ng/ul   | 0.00            |
| 73) Anthracene-d10            | 17.542 | 188  | 148701m > | 21.626 | ng/ul > | 0.00 08/11/2021 |
| 81) Pyrene-d10                | 19.833 | 212  | 166871    | 22.536 | ng/ul   | 0.00            |
| 92) Benzo(a)pyrene-d12        | 24.779 | 264  | 164901    | 21.503 | ng/ul   | 0.00            |
| Target Compounds              |        |      |           |        |         |                 |
| 2) 1,4-Dioxane                | 3.461  | 88   | 4369      | 7.240  | ng/uL#  | 88              |
| 5) Pyridine                   | 3.872  | 79   | 32655     | 19.712 | ng/ul#  | 87              |
| 6) Benzaldehyde               | 7.174  | 77   | 19664     | 17.464 | ng/ul   | 88              |
| 8) Phenol                     | 7.227  | 94   | 43796     | 20.923 | ng/ul#  | 92              |
| 10) Bis(2-Chloroethyl)ether   | 7.456  | 93   | 30943     | 21.308 | ng/ul   | 96              |
| 12) 2-Chlorophenol            | 7.602  | 128  | 31597     | 20.894 | ng/ul   | 92              |
| 13) 2-Methylphenol            | 8.484  | 108  | 33216     | 20.266 | ng/ul   | 99              |
| 14) 2,2'-oxybis(1-Chloropr... | 8.572  | 45   | 34324     | 20.681 | ng/ul   | 100             |
| 16) Acetophenone              | 8.871  | 105  | 56197     | 21.019 | ng/ul   | 98              |
| 17) N-Nitroso-di-n-propyla... | 8.848  | 70   | 29852     | 20.769 | ng/ul#  | 95              |
| 18) 4-Methylphenol            | 8.813  | 108  | 36215     | 21.150 | ng/ul   | 83              |
| 19) Hexachloroethane          | 9.130  | 117  | 15379     | 22.932 | ng/ul   | 91              |
| 22) Nitrobenzene              | 9.253  | 77   | 48596     | 22.048 | ng/ul   | 98              |
| 23) Isophorone                | 9.776  | 82   | 86589     | 23.231 | ng/ul   | 98              |
| 25) 2-Nitrophenol             | 9.970  | 139  | 19158     | 22.035 | ng/ul   | 94              |
| 26) 2,4-Dimethylphenol        | 10.029 | 107  | 45402     | 22.628 | ng/ul   | 97              |
| 27) Bis(2-Chloroethoxy)met... | 10.258 | 93   | 41961     | 22.221 | ng/ul   | 99              |
| 29) 2,4-Dichlorophenol        | 10.510 | 162  | 34898     | 23.052 | ng/ul   | 89              |
| 30) Naphthalene               | 10.916 | 128  | 110872    | 22.501 | ng/ul   | 99              |
| 32) 4-Chloroaniline           | 11.021 | 127  | 44575     | 21.260 | ng/ul   | 95              |
| 33) Hexachlorobutadiene       | 11.198 | 225  | 27426     | 22.056 | ng/ul   | 91              |
| 34) Caprolactam               | 11.785 | 113  | 11224m >  | 23.190 | ng/ul > | 08/11/2021      |
| 35) 4-Chloro-3-methylphenol   | 12.143 | 107  | 40633     | 23.161 | ng/ul   | 92              |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG080521\  
 Data File : BG049677.D  
 Acq On : 6 Aug 2021 15:39  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC020

Manual Integrations  
 APPROVED

mohammad  
 8/9/2021 12:09:04 PM

Quant Time: Aug 06 16:22:09 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG080421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 04 16:17:29 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response  | Conc   | Units   | Dev(Min) |
|-------------------------------|--------|------|-----------|--------|---------|----------|
| 36) 2-Methylnaphthalene       | 12.519 | 142  | 81776     | 21.674 | ng/ul   | 99       |
| 37) 1-Methylnaphthalene       | 12.737 | 142  | 77787     | 21.187 | ng/ul   | 93       |
| 39) 1,2,4,5-Tetrachloroben... | 12.889 | 216  | 45443     | 22.317 | ng/ul   | 96       |
| 40) Hexachlorocyclopentadiene | 12.866 | 237  | 27066     | 22.536 | ng/ul#  | 92       |
| 41) 2,4,6-Trichlorophenol     | 13.130 | 196  | 29528     | 22.660 | ng/ul#  | 96       |
| 42) 2,4,5-Trichlorophenol     | 13.201 | 196  | 30872     | 22.080 | ng/ul   | 94       |
| 43) 1,1'-Biphenyl             | 13.524 | 154  | 107075    | 21.923 | ng/ul   | 91       |
| 44) 2-Chloronaphthalene       | 13.571 | 162  | 82879     | 21.677 | ng/ul   | 96       |
| 45) 2-Nitroaniline            | 13.776 | 65   | 30641     | 22.764 | ng/ul   | 100      |
| 47) Dimethylphthalate         | 14.141 | 163  | 115998    | 22.713 | ng/ul   | 100      |
| 48) 2,6-Dinitrotoluene        | 14.264 | 165  | 24875     | 23.848 | ng/ul   | 90       |
| 50) Acenaphthylene            | 14.417 | 152  | 127562    | 22.086 | ng/ul   | 98       |
| 51) 3-Nitroaniline            | 14.593 | 138  | 18212     | 19.612 | ng/ul#  | 85       |
| 52) Acenaphthene              | 14.758 | 153  | 92801     | 22.496 | ng/ul   | 90       |
| 53) 2,4-Dinitrophenol         | 14.804 | 184  | 13054     | 22.715 | ng/ul   | 92       |
| 55) 4-Nitrophenol             | 14.910 | 109  | 24070     | 22.125 | ng/ul   | 90       |
| 56) Dibenzofuran              | 15.092 | 168  | 124370    | 21.732 | ng/ul   | 98       |
| 57) 2,4-Dinitrotoluene        | 15.051 | 165  | 34761     | 23.104 | ng/ul#  | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.316 | 232  | 29006     | 25.175 | ng/ul#  | 93       |
| 59) Diethylphthalate          | 15.504 | 149  | 119235    | 23.156 | ng/ul   | 94       |
| 61) Fluorene                  | 15.744 | 166  | 104223    | 22.395 | ng/ul   | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.733 | 204  | 57503     | 22.695 | ng/ul   | 99       |
| 63) 4-Nitroaniline            | 15.762 | 138  | 17982     | 20.712 | ng/ul   | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.821 | 198  | 20933     | 22.786 | ng/ul#  | 99       |
| 67) N-Nitrosodiphenylamine    | 15.944 | 169  | 86859     | 21.635 | ng/ul   | 90       |
| 68) 4-Bromophenyl-phenylether | 16.626 | 248  | 38589     | 22.774 | ng/ul   | 94       |
| 69) Hexachlorobenzene         | 16.749 | 284  | 43513     | 22.685 | ng/ul#  | 90       |
| 70) Atrazine                  | 16.890 | 200  | 41926     | 23.740 | ng/ul   | 95       |
| 71) Pentachlorophenol         | 17.096 | 266  | 20397     | 22.204 | ng/ul   | 88       |
| 72) Phenanthrene              | 17.489 | 178  | 175230    | 22.728 | ng/ul   | 99       |
| 74) Anthracene                | 17.583 | 178  | 171247    | 22.204 | ng/ul   | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.495 | 216  | 42088     | 19.671 | ng/ul   | 96       |
| 76) Pentachlorobenzene        | 15.016 | 250  | 47861     | 21.211 | ng/ul   | 95       |
| 77) Carbazole                 | 17.847 | 167  | 155307    | 22.535 | ng/ul   | 97       |
| 78) Di-n-butylphthalate       | 18.400 | 149  | 192889    | 22.891 | ng/ul   | 97       |
| 80) Fluoranthene              | 19.498 | 202  | 213123    | 23.322 | ng/ul   | 98       |
| 82) Pyrene                    | 19.862 | 202  | 205499    | 22.546 | ng/ul   | 99       |
| 83) Butylbenzylphthalate      | 20.738 | 149  | 80970     | 23.311 | ng/ul   | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.619 | 252  | 65965     | 20.733 | ng/ul   | 99       |
| 85) Benzo(a)anthracene        | 21.707 | 228  | 193349    | 21.913 | ng/ul   | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.601 | 149  | 113204    | 22.249 | ng/ul   | 99       |
| 87) Chrysene                  | 21.772 | 228  | 185407    | 22.499 | ng/ul   | 99       |
| 89) Di-n-octyl phthalate      | 22.829 | 149  | 190935    | 21.872 | ng/ul   | 100      |
| 90) Benzo(b)fluoranthene      | 23.957 | 252  | 202446    | 22.131 | ng/ul   | 98       |
| 91) Benzo(k)fluoranthene      | 24.027 | 252  | 192197    | 21.160 | ng/ul   | 99       |
| 93) Benzo(a)pyrene            | 24.844 | 252  | 183263    | 22.757 | ng/ul#  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.744 | 276  | 232690m > | 22.018 | ng/ul > | 99/100   |
| 95) Dibenzo(a,h)anthracene    | 28.815 | 278  | 195744    | 22.203 | ng/ul#  | 96       |
| 96) Benzo(g,h,i)perylene      | 29.925 | 276  | 194271    | 22.106 | ng/ul   | 98       |

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