

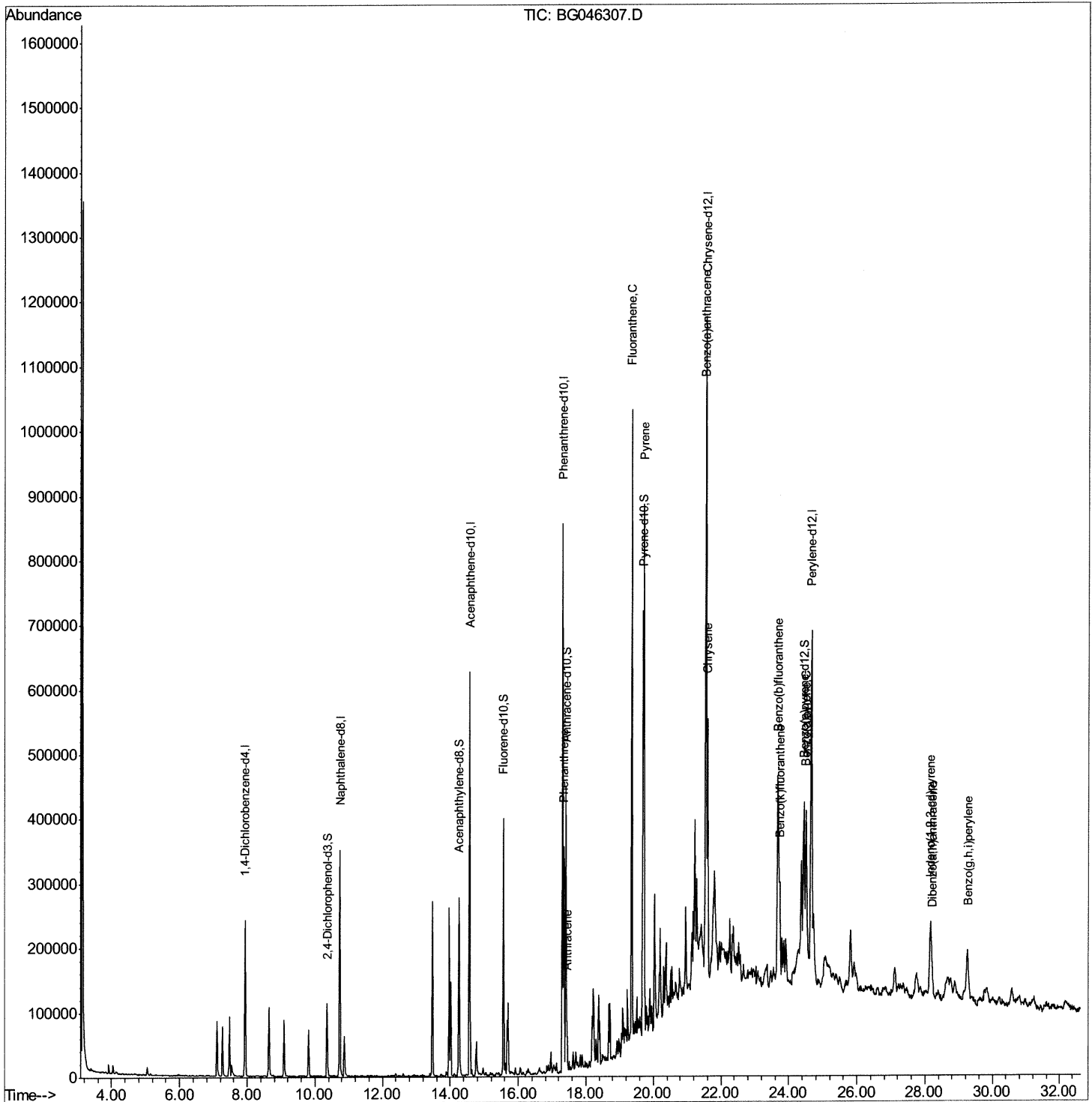
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\  
Data File : BG046307.D  
Acq On : 17 Aug 2020 22:35  
Operator : CG/JU  
Sample : L3632-20  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BFM98

Manual Integrations  
APPROVED

mohammad  
8/19/2020 2:16:06 PM

Quant Time: Aug 18 02:13:27 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG081320PAH.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 13 13:50:19 2020  
Response via : Initial Calibration



# Quantitation Report (Qedit)

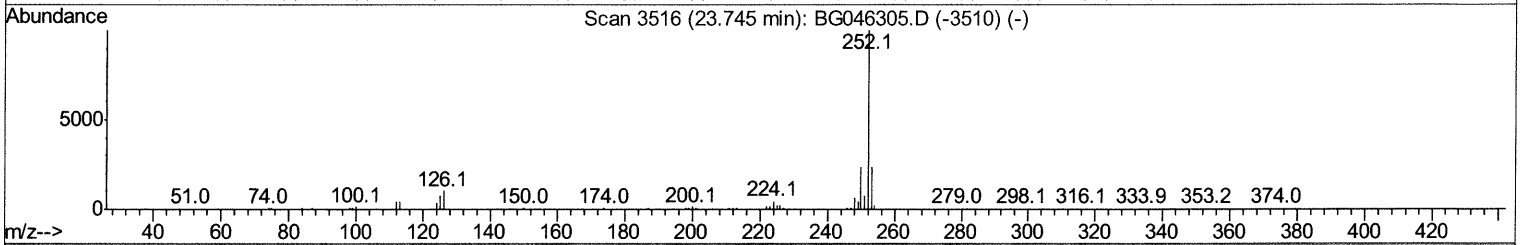
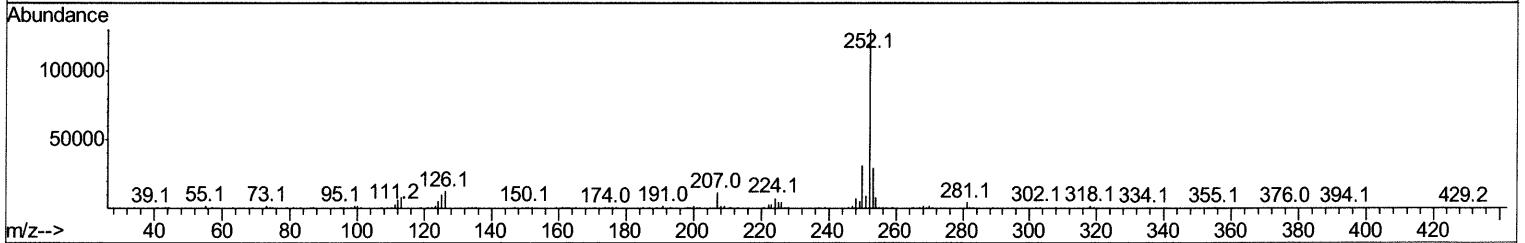
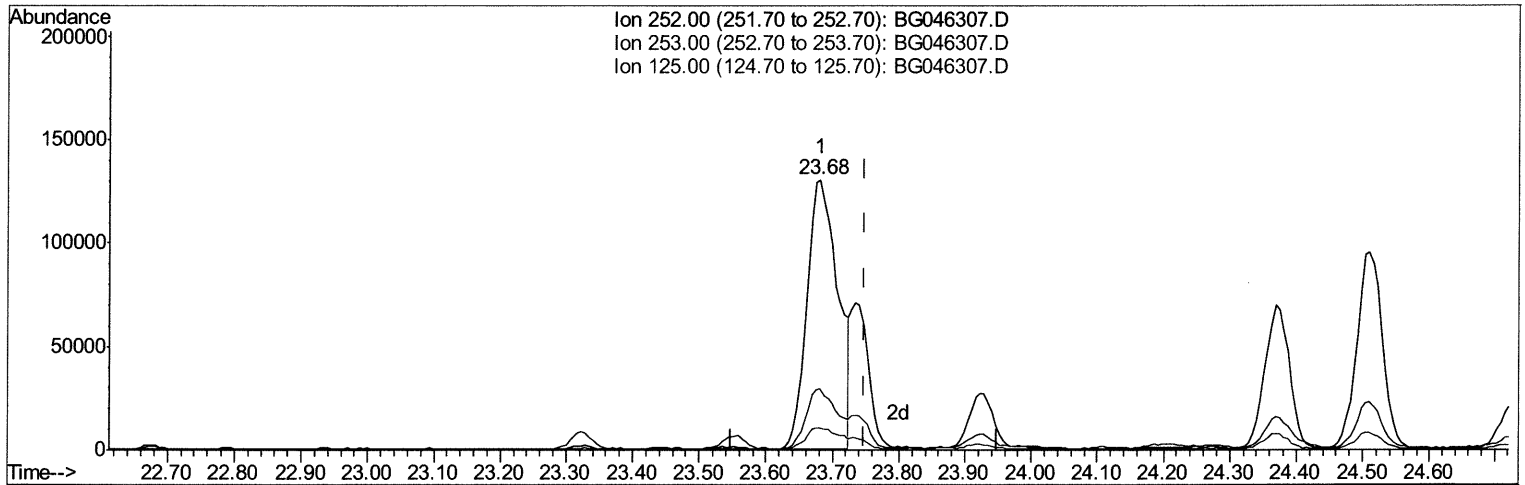
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\  
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Quant Time: Aug 18 01:26:31 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG081320PAH.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 13 13:50:19 2020  
 Response via : Initial Calibration



TIC: BG046307.D

(25) Benzo(k)fluoranthene

23.681min (-0.067) 11.35ng/ul

response 420733

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 23.10 | 22.66 |
| 125.00 | 7.70  | 8.00  |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

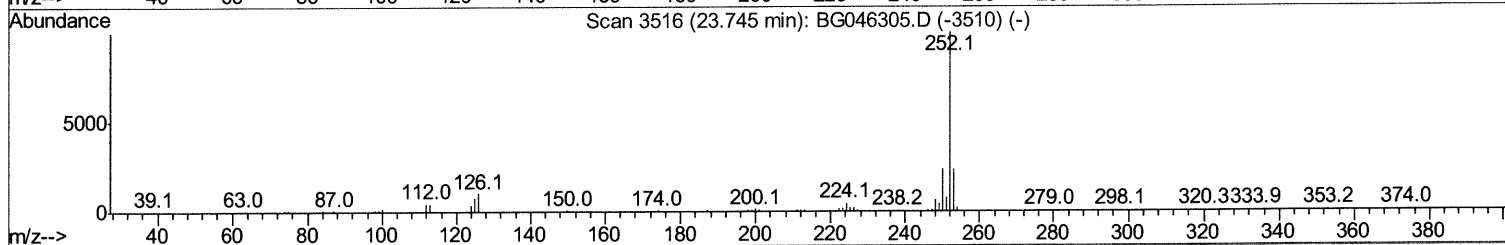
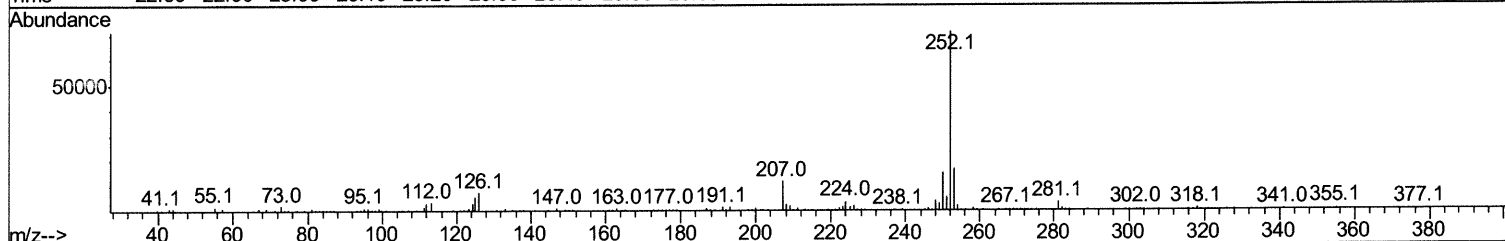
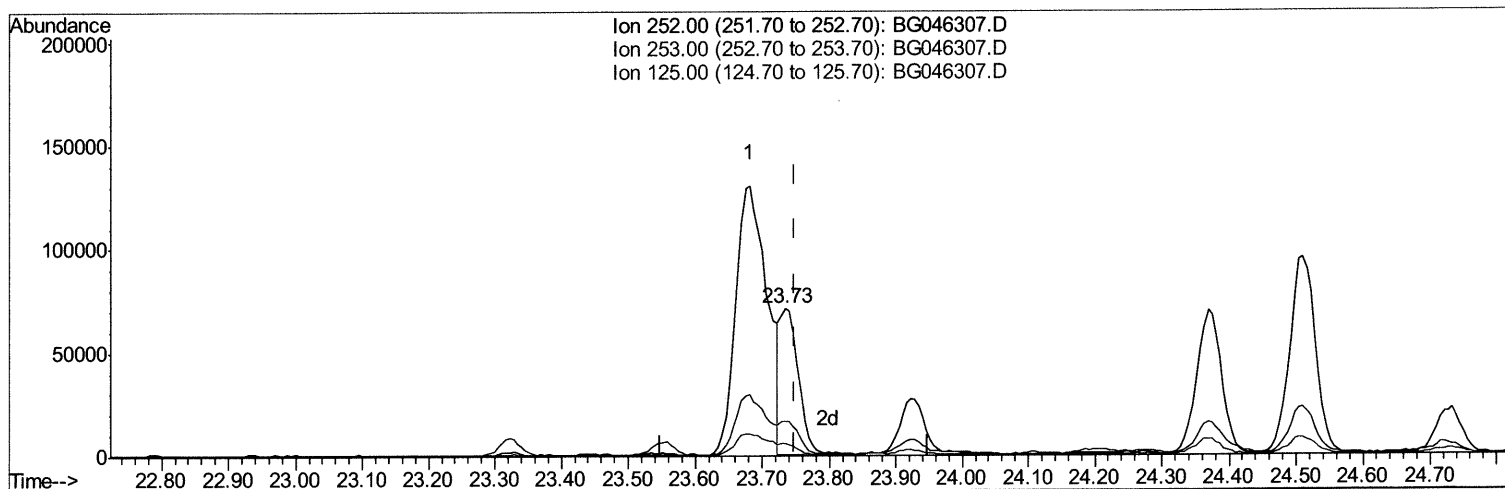
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\  
Data File : BG046307.D  
Acq On : 17 Aug 2020 22:35  
Operator : CG/JU  
Sample : L3632-20  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BFM98

Manual Integrations  
APPROVED

mohammad  
8/19/2020 2:16:06 PM

Quant Time: Aug 18 01:26:31 2020  
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Quant Title : SVOA CALIBRATION  
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Response via : Initial Calibration



TIC: BG046307.D

(25) Benzo(k)fluoranthene

23.734min (-0.014) 3.54ng/ul m 08/20/20 JU

response 131221

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 23.10 | 23.74 |
| 125.00 | 7.70  | 8.00  |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

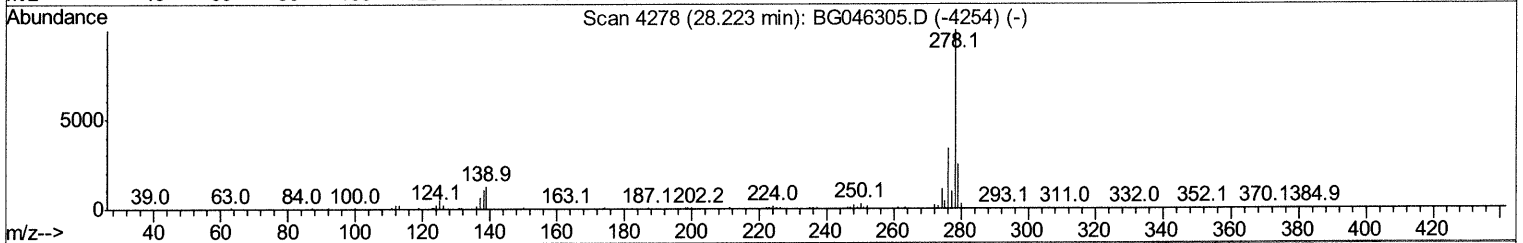
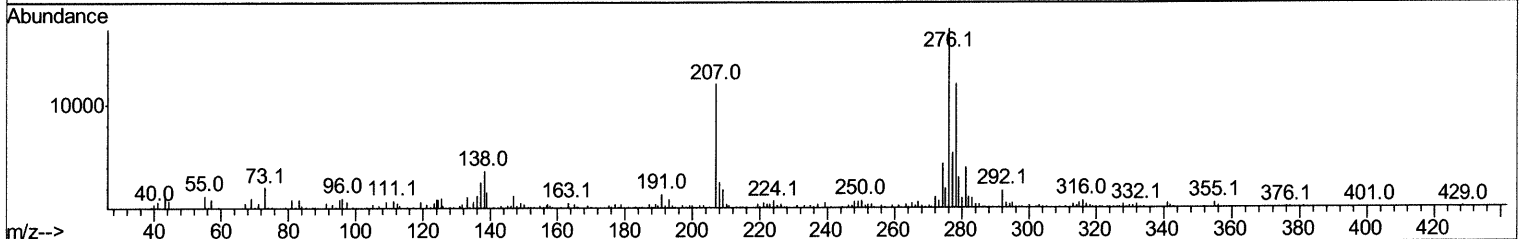
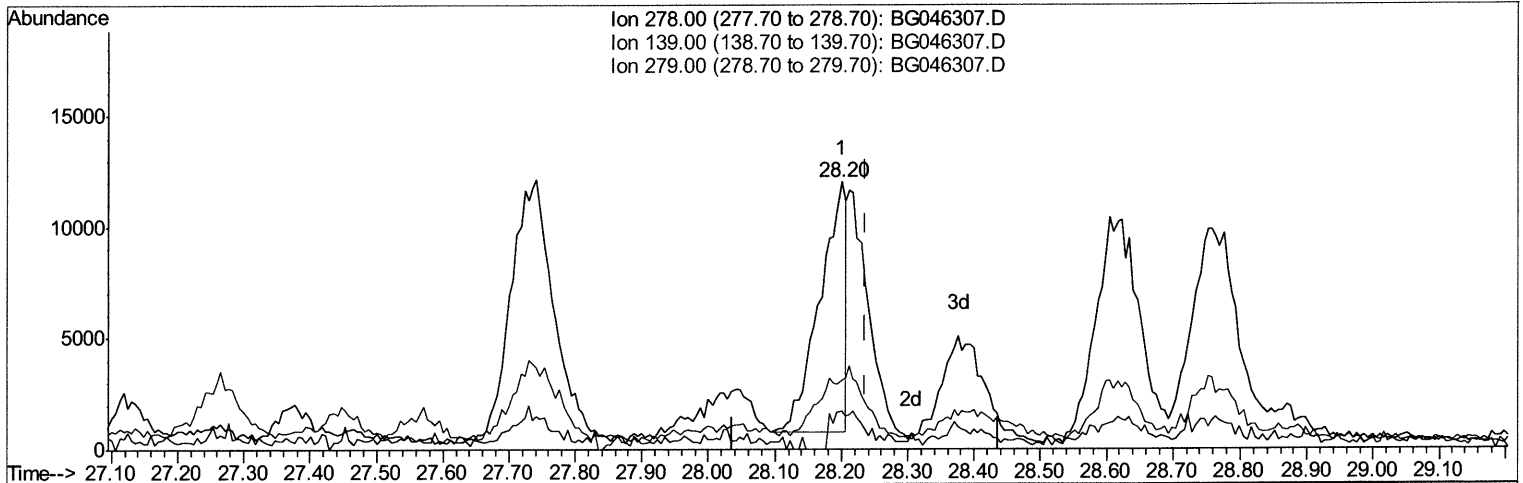
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\  
 Data File : BG046307.D  
 Acq On : 17 Aug 2020 22:35  
 Operator : CG/JU  
 Sample : L3632-20  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BFM98

Manual Integrations  
 APPROVED

mohammad  
 8/19/2020 2:16:06 PM

Quant Time: Aug 18 02:12:32 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG081320PAH.M  
 Quant Title : SVOA CALIBRATION  
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 Response via : Initial Calibration



TIC: BG046307.D

(29) Dibenzo(a,h)anthracene

28.199min (-0.038) 0.88ng/ul

response 30540

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 278.00 | 100   | 100   |
| 139.00 | 12.30 | 14.14 |
| 279.00 | 24.60 | 25.68 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

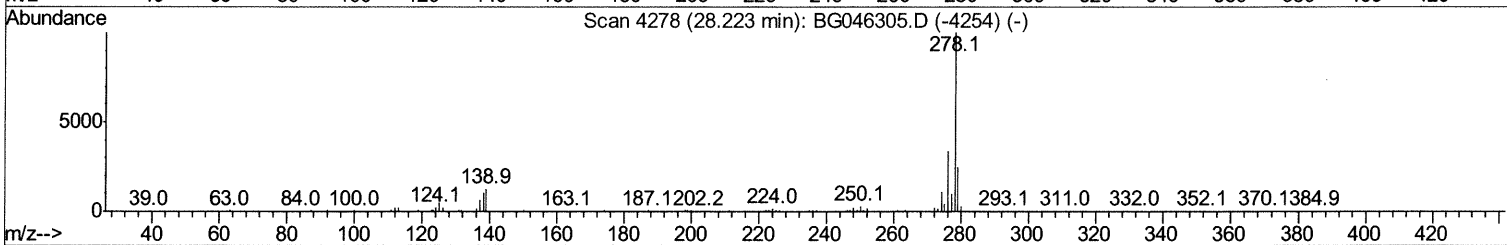
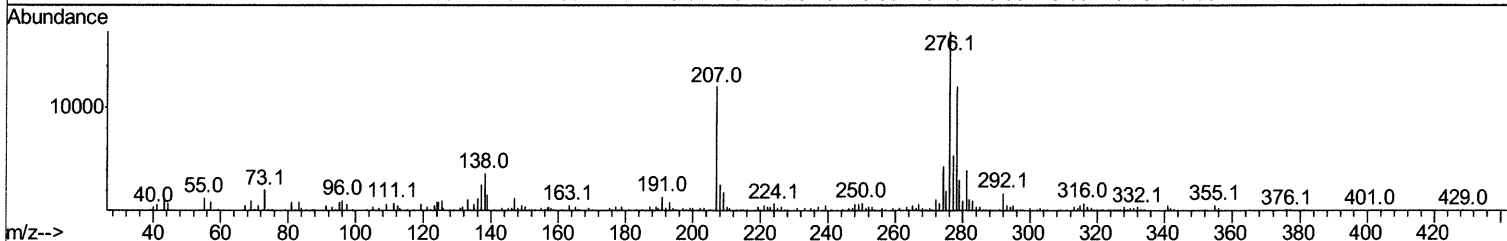
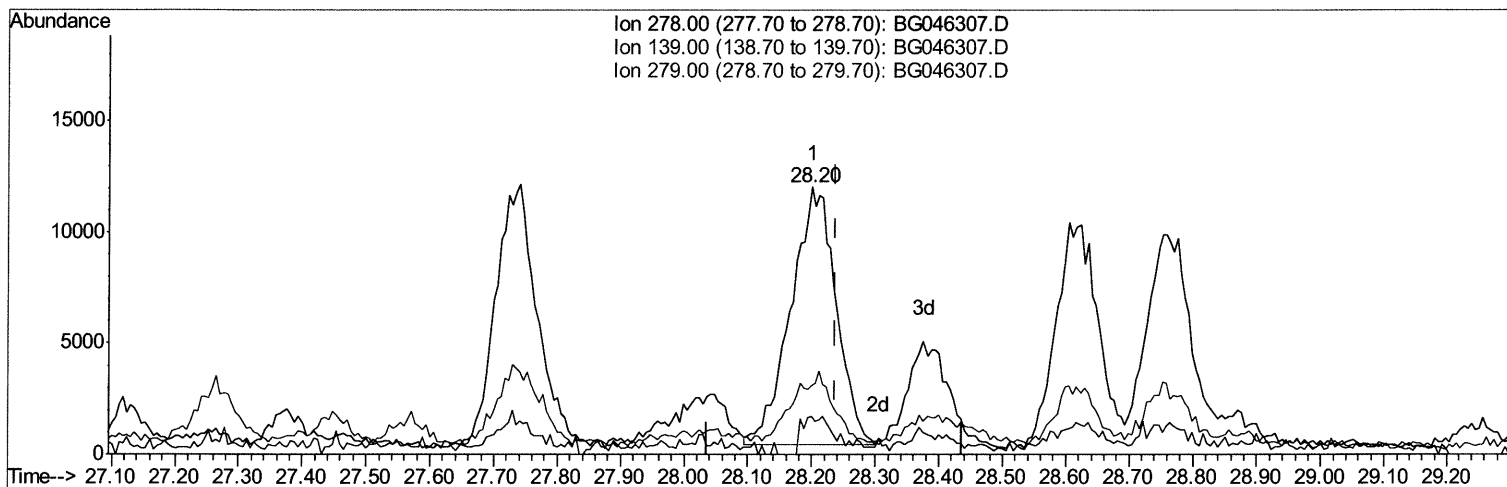
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\  
Data File : BG046307.D  
Acq On : 17 Aug 2020 22:35  
Operator : CG/JU  
Sample : L3632-20  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BFM98

Manual Integrations  
APPROVED

mohammad  
8/19/2020 2:16:06 PM

Quant Time: Aug 18 02:12:32 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG081320PAH.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 13 13:50:19 2020  
Response via : Initial Calibration



TIC: BG046307.D

(29) Dibenzo(a,h)anthracene

28.199min (-0.038) 1.64ng/ul m 08/20/2024

response 57111

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 278.00 | 100   | 100   |
| 139.00 | 12.30 | 14.14 |
| 279.00 | 24.60 | 25.68 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\  
 Data File : BG046307.D  
 Acq On : 17 Aug 2020 22:35  
 Operator : CG/JU  
 Sample : L3632-20  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BFM98

Manual Integrations  
 APPROVED

mohammad  
 8/19/2020 2:16:06 PM

Quant Time: Aug 18 02:13:27 2020  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 13 13:50:19 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.94  | 152  | 73883    | 20.00 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.74 | 136  | 316518   | 20.00 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.57 | 164  | 224715   | 20.00 | ng/ul | 0.00     |
| 12) Phenanthrene-d10      | 17.31 | 188  | 540325   | 20.00 | ng/ul | 0.00     |
| 18) Chrysene-d12          | 21.55 | 240  | 536012   | 20.00 | ng/ul | 0.00     |
| 23) Perylene-d12          | 24.66 | 264  | 564969   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |       |       |      |
|--------------------------|-------|-----|--------|-------|-------|------|
| 3) 2,4-Dichlorophenol-d3 | 10.36 | 165 | 52740  | 9.68  | ng/ul | 0.00 |
| 7) Acenaphthylene-d8     | 14.26 | 160 | 212746 | 10.29 | ng/ul | 0.00 |
| 10) Fluorene-d10         | 15.56 | 176 | 175167 | 11.05 | ng/ul | 0.00 |
| 15) Anthracene-d10       | 17.41 | 188 | 266183 | 10.63 | ng/ul | 0.00 |
| 19) Pyrene-d10           | 19.69 | 212 | 287059 | 10.40 | ng/ul | 0.00 |
| 26) Benzo(a)pyrene-d12   | 24.45 | 264 | 295542 | 9.59  | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |         |        |       | Qvalue |
|----------------------------|-------|-----|---------|--------|-------|--------|
| 14) Phenanthrene           | 17.35 | 178 | 232297  | 7.815  | ng/ul | 97     |
| 16) Anthracene             | 17.44 | 178 | 56510   | 1.884  | ng/ul | 98     |
| 17) Fluoranthene           | 19.36 | 202 | 640131  | 19.313 | ng/ul | 98     |
| 20) Pyrene                 | 19.72 | 202 | 521076  | 14.810 | ng/ul | 98     |
| 21) Benzo(a)anthracene     | 21.54 | 228 | 305353  | 8.756  | ng/ul | 98     |
| 22) Chrysene               | 21.60 | 228 | 311809  | 9.249  | ng/ul | 97     |
| 24) Benzo(b)fluoranthene   | 23.68 | 252 | 420733  | 11.261 | ng/ul | 99     |
| 25) Benzo(k)fluoranthene   | 23.73 | 252 | 131221m | 3.541  | ng/ul | > 97   |
| 27) Benzo(a)pyrene         | 24.51 | 252 | 249598  | 7.277  | ng/ul | 97     |
| 28) Indeno(1,2,3-cd)pyrene | 28.15 | 276 | 195644  | 4.555  | ng/ul | 99     |
| 29) Dibenzo(a,h)anthracene | 28.20 | 278 | 57111m  | 1.640  | ng/ul | > 98   |
| 30) Benzo(a,h,i)perylene   | 29.26 | 276 | 147027  | 4.091  | ng/ul | 98     |

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

08/20/20 JU  
 08/20/20 JU