

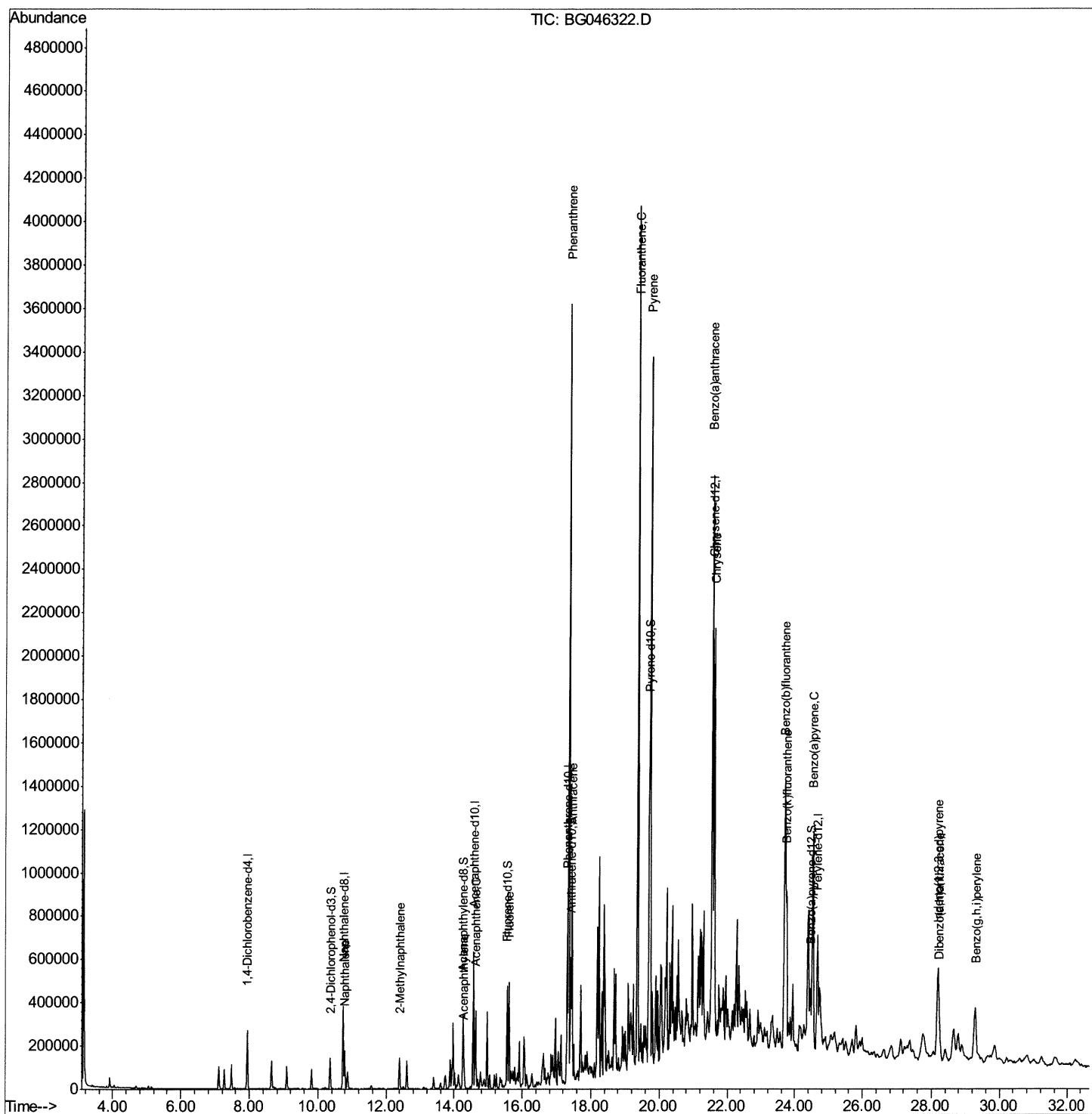
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG081720\  
Data File : BG046322.D  
Acq On : 18 Aug 2020 11:07  
Operator : CG/JU  
Sample : L3636-05  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BFMK1

Manual Integrations  
APPROVED

mohammad  
8/19/2020 2:16:38 PM

Quant Time: Aug 18 12:17:02 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)

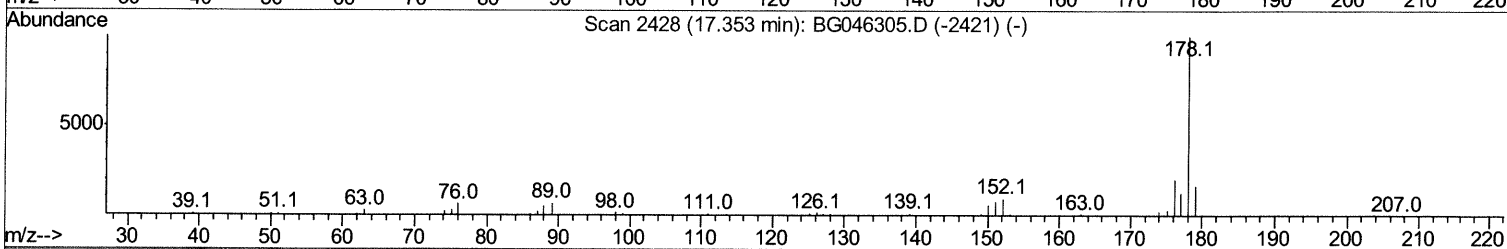
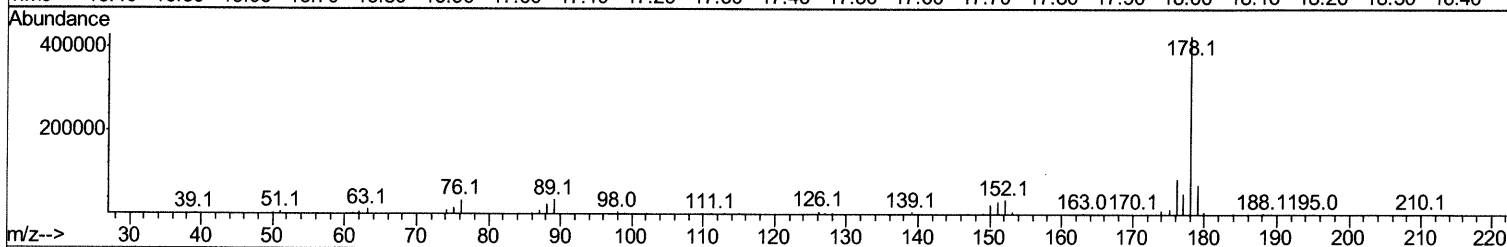
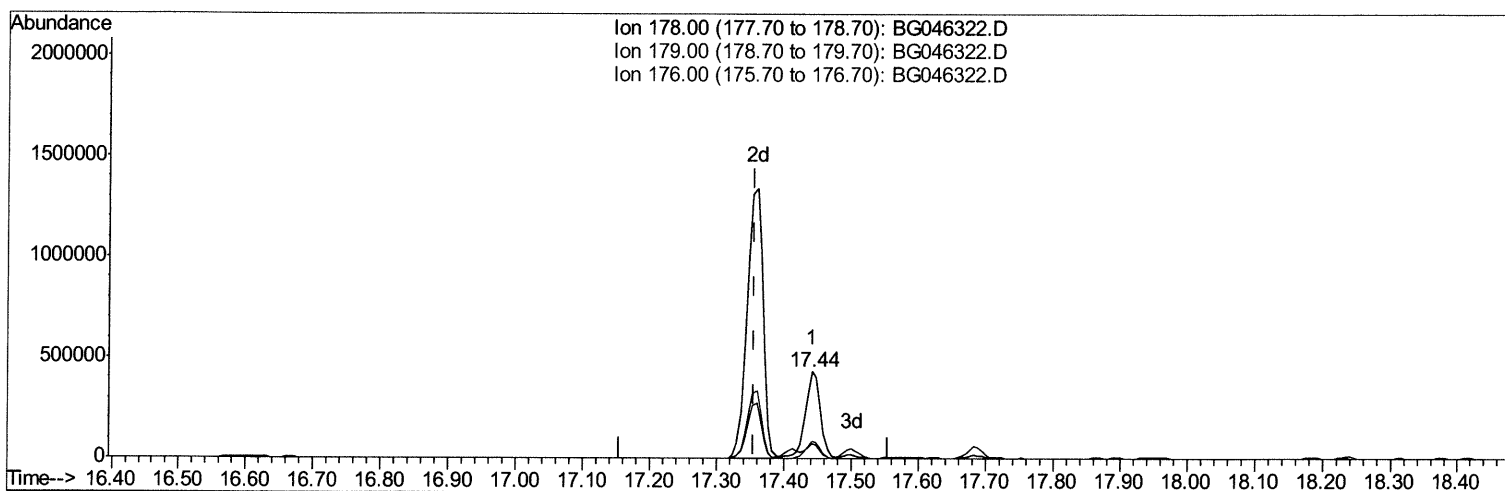
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG081720\  
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Quant Title : SVOA CALIBRATION  
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TIC: BG046322.D

(14) Phenanthrene

17.441min (+0.086) 24.56ng/ul

response 671383

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 16.00 | 16.42 |
| 176.00 | 19.80 | 20.12 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

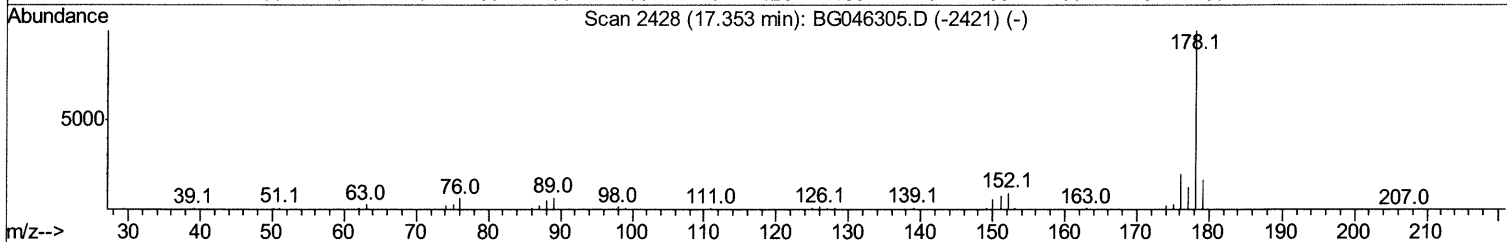
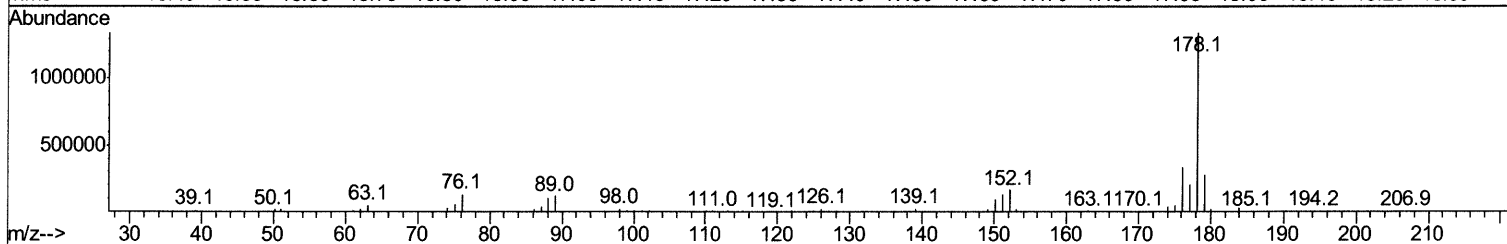
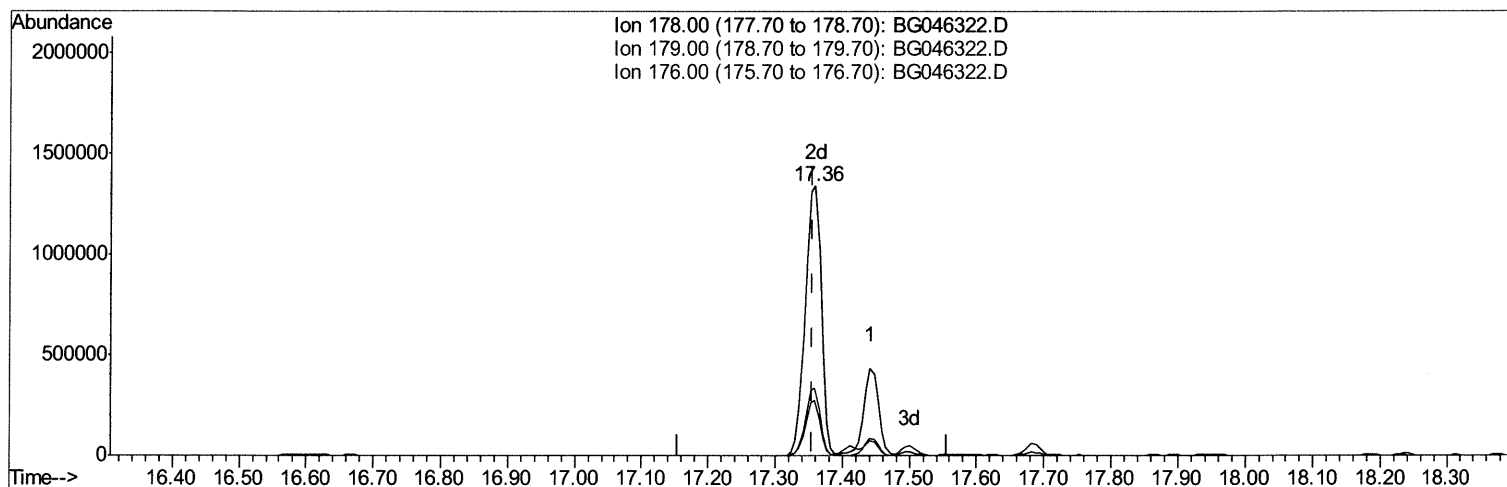
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG081720\  
Data File : BG046322.D  
Acq On : 18 Aug 2020 11:07  
Operator : CG/JU  
Sample : L3636-05  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
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TIC: BG046322.D

(14) Phenanthrene

17.359min (+0.003) 81.08ng/ul m 08/20/20 JU

response 2216600

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 16.00 | 20.29# |
| 176.00 | 19.80 | 24.98# |
| 0.00   | 0.00  | 0.00   |

## Quantitation Report (Qedit)

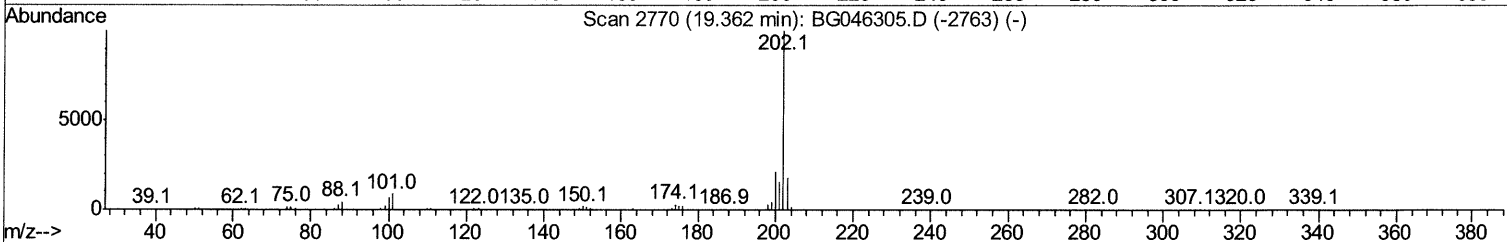
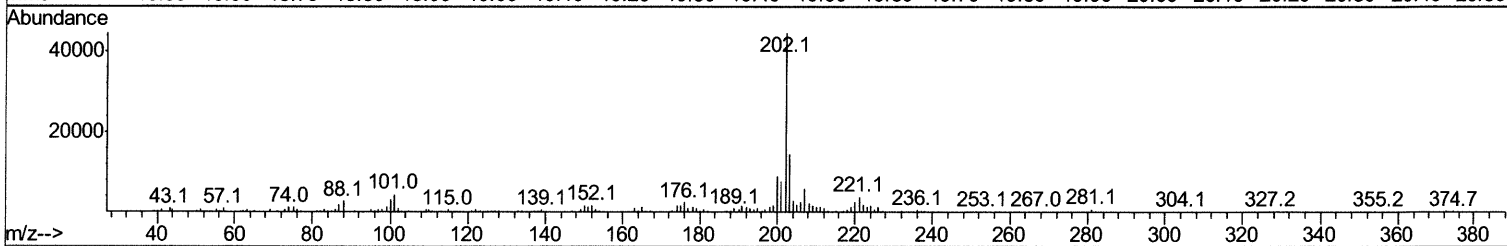
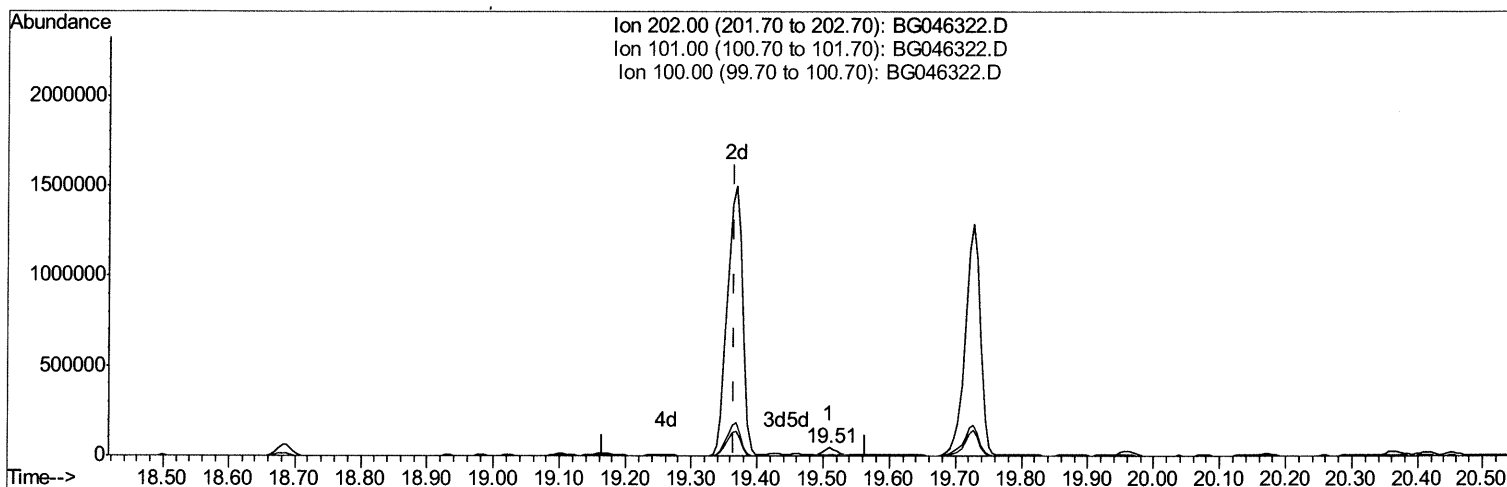
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG081720\  
Data File : BG046322.D  
Acq On : 18 Aug 2020 11:07  
Operator : CG/JU  
Sample : L3636-05  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BFMK1

Manual Integrations  
APPROVED

mohammad  
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Quant Time: Aug 18 12:15:20 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG081320PAH.M  
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TIC: BG046322.D

(17) Fluoranthene (C)

19.509min (+0.144) 1.74ng/ul

response 53037

| Ion    | Exp% | Act% |
|--------|------|------|
| 202.00 | 100  | 100  |
| 101.00 | 9.70 | 9.92 |
| 100.00 | 7.40 | 7.41 |
| 0.00   | 0.00 | 0.00 |

## Quantitation Report (Qedit)

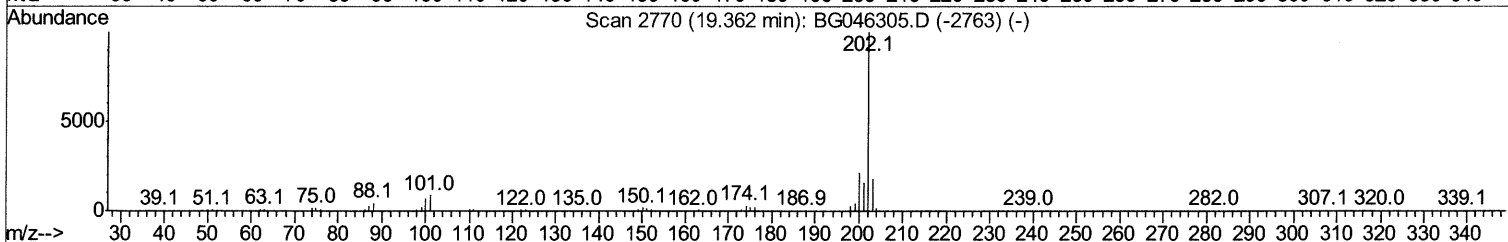
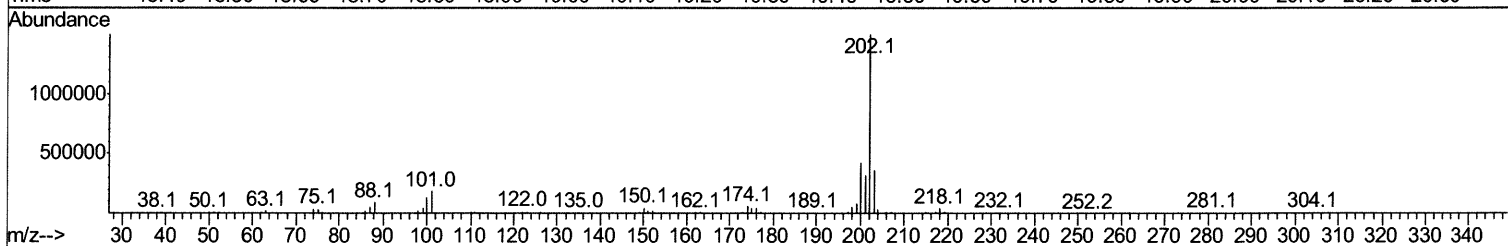
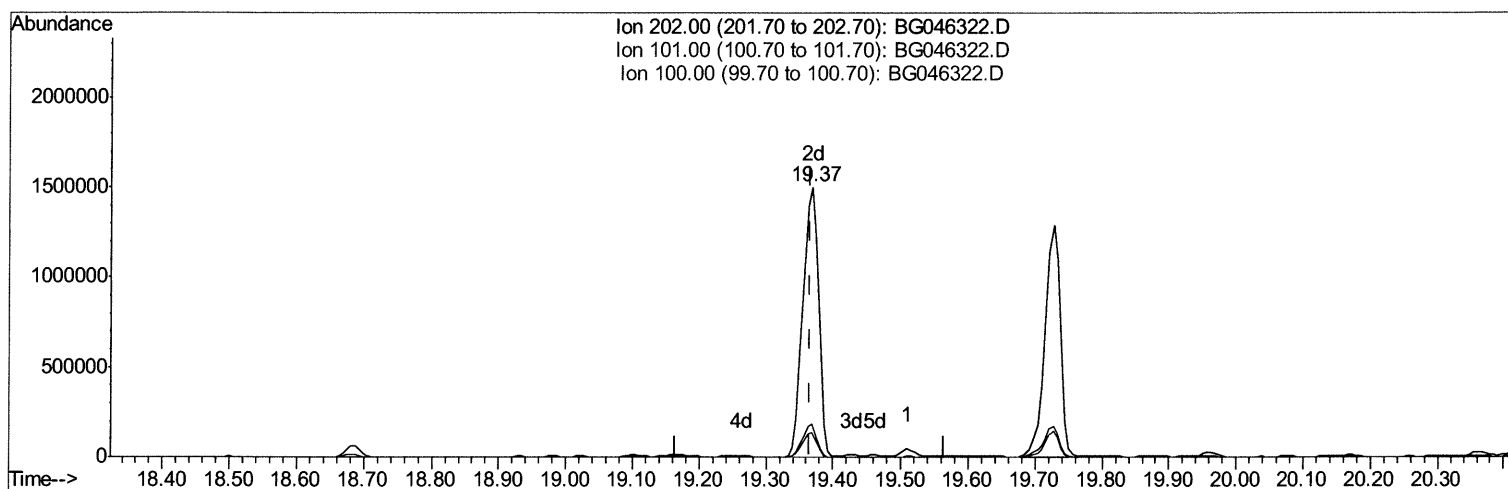
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG081720\  
Data File : BG046322.D  
Acq On : 18 Aug 2020 11:07  
Operator : CG/JU  
Sample : L3636-05  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BFMK1

Manual Integrations  
APPROVED

mohammad  
8/19/2020 2:16:38 PM

Quant Time: Aug 18 12:15:20 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG081320PAH.M  
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Response via : Initial Calibration



(17) Fluoranthene (C)

19.368min (+0.003) 80.05ng/ul m

08/20/20 JU

response 2440299

| Ion    | Exp% | Act%   |
|--------|------|--------|
| 202.00 | 100  | 100    |
| 101.00 | 9.70 | 12.11# |
| 100.00 | 7.40 | 9.20#  |
| 0.00   | 0.00 | 0.00   |

## Quantitation Report (Qedit)

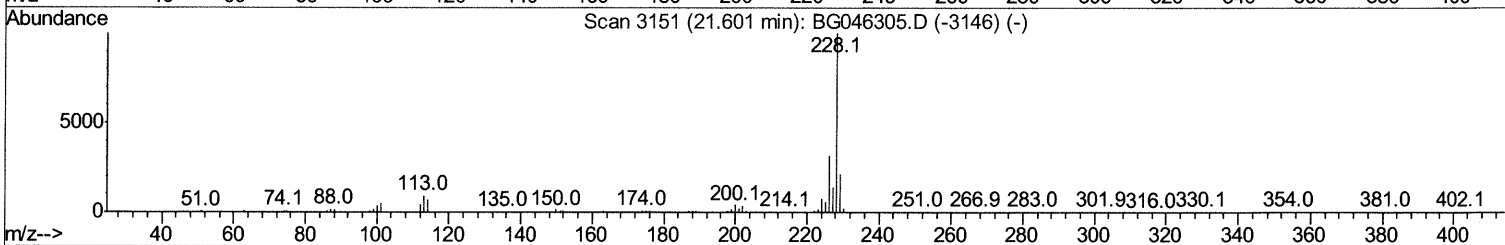
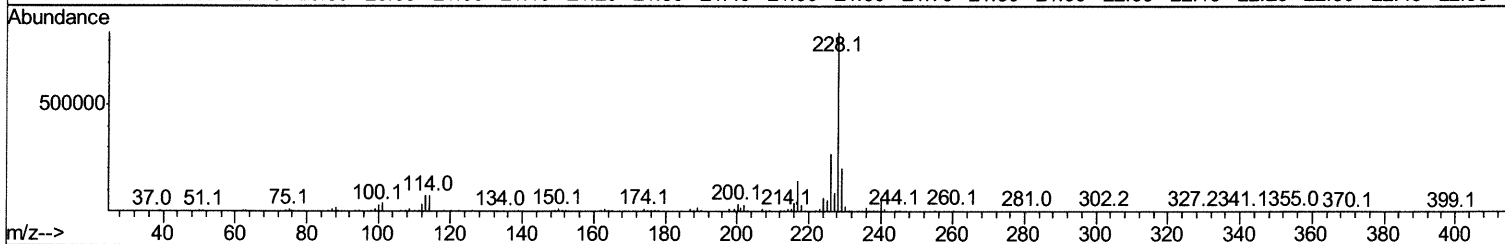
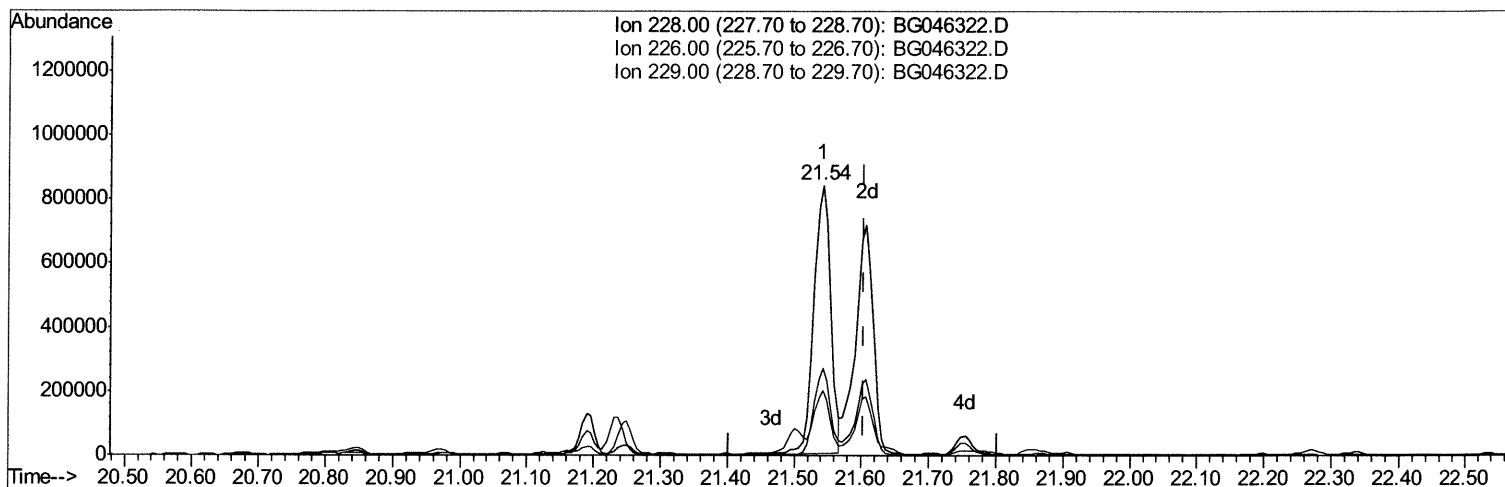
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG081720\  
Data File : BG046322.D  
Acq On : 18 Aug 2020 11:07  
Operator : CG/JU  
Sample : L3636-05  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BFMK1

Manual Integrations  
APPROVED

mohammad  
8/19/2020 2:16:38 PM

Quant Time: Aug 18 12:15:20 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: BG046322.D

(22) Chrysene

21.542min (-0.061) 48.42ng/ul

response 1470501

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 31.90 | 32.10 |
| 229.00 | 21.20 | 24.17 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

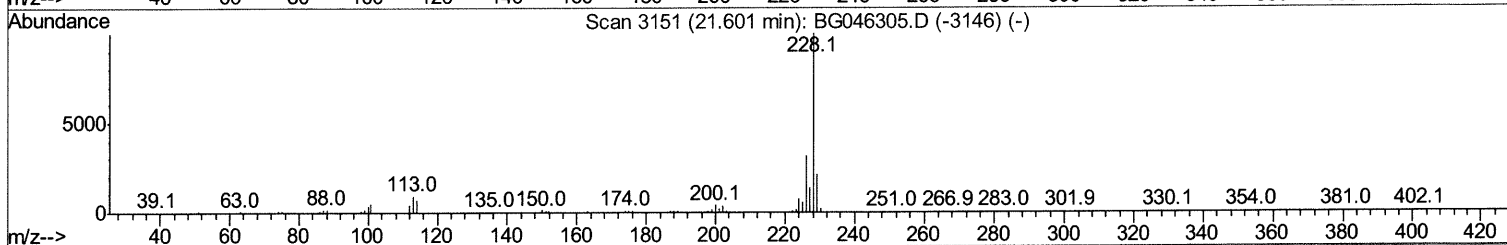
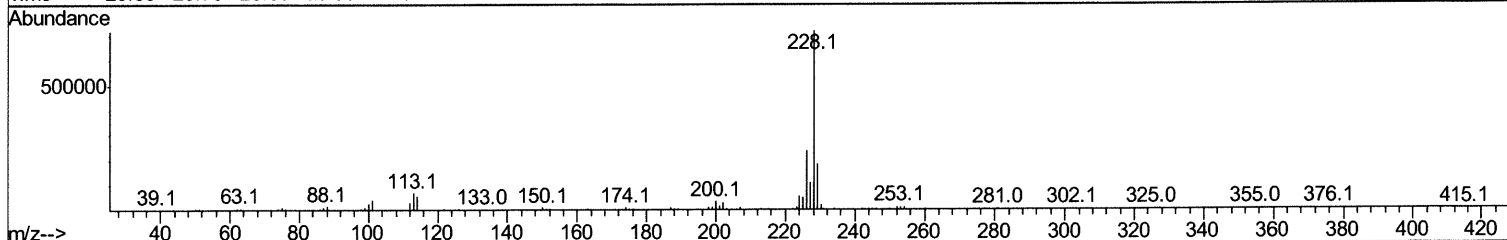
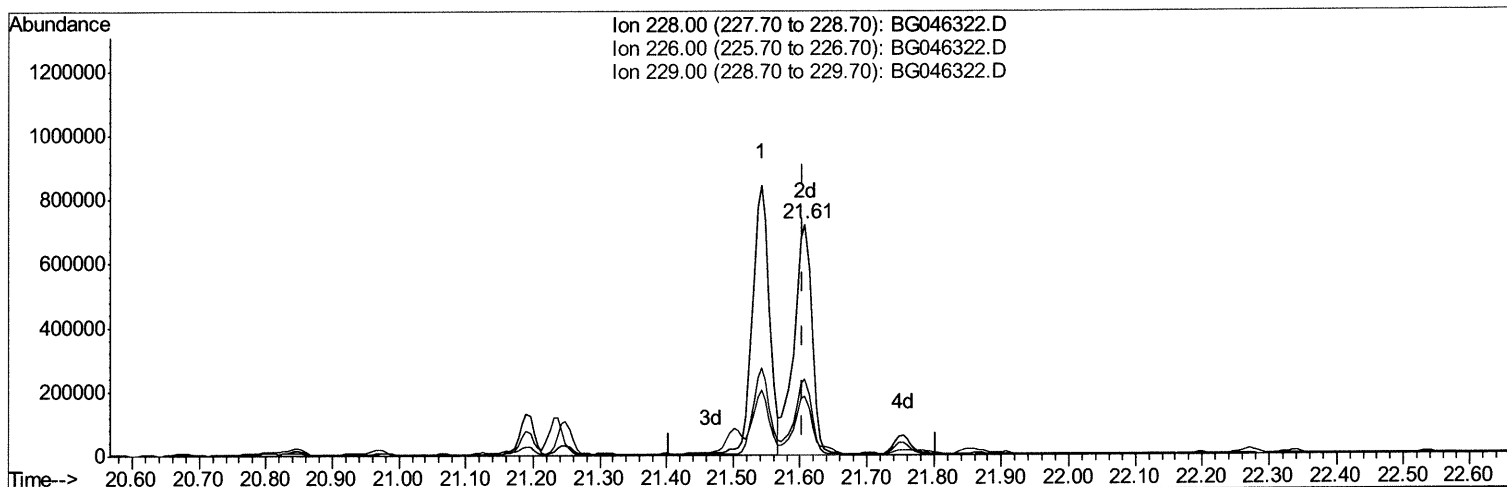
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG081720\  
 Data File : BG046322.D  
 Acq On : 18 Aug 2020 11:07  
 Operator : CG/JU  
 Sample : L3636-05  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BFMK1

Manual Integrations  
 APPROVED

mohammad  
 8/19/2020 2:16:38 PM

Quant Time: Aug 18 12:15:20 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: BG046322.D

(22) Chrysene

21.607min (+0.003) 44.81ng/ul m 08/20/20 JU

response 1360960

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 226.00 | 31.90 | 32.90  |
| 229.00 | 21.20 | 25.46# |
| 0.00   | 0.00  | 0.00   |

## Quantitation Report (Qedit)

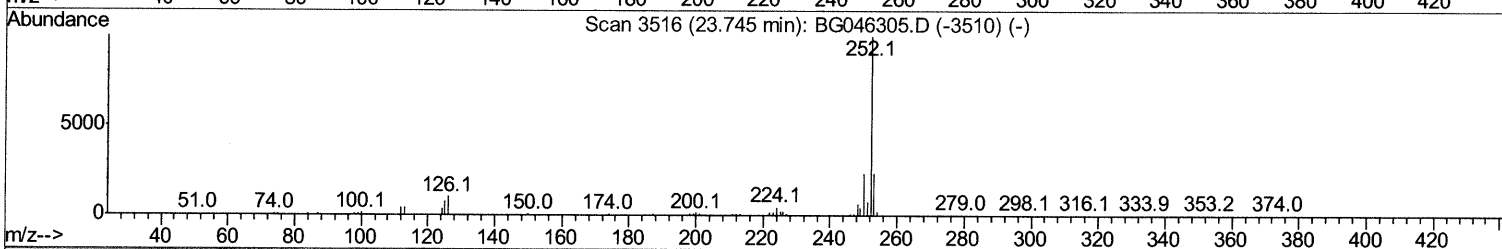
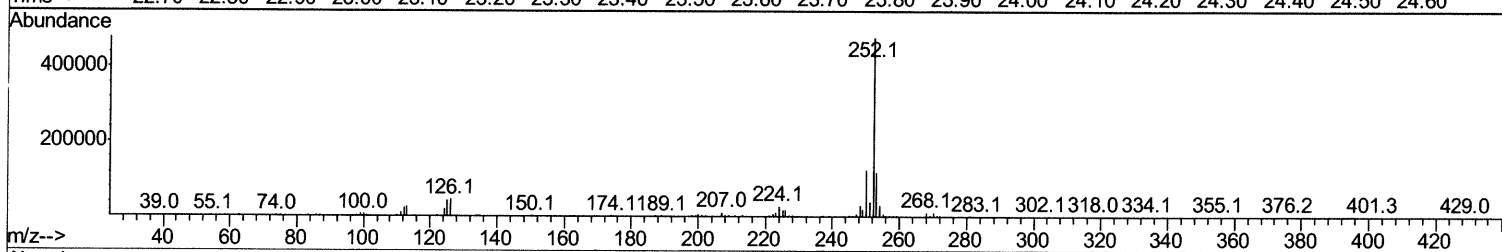
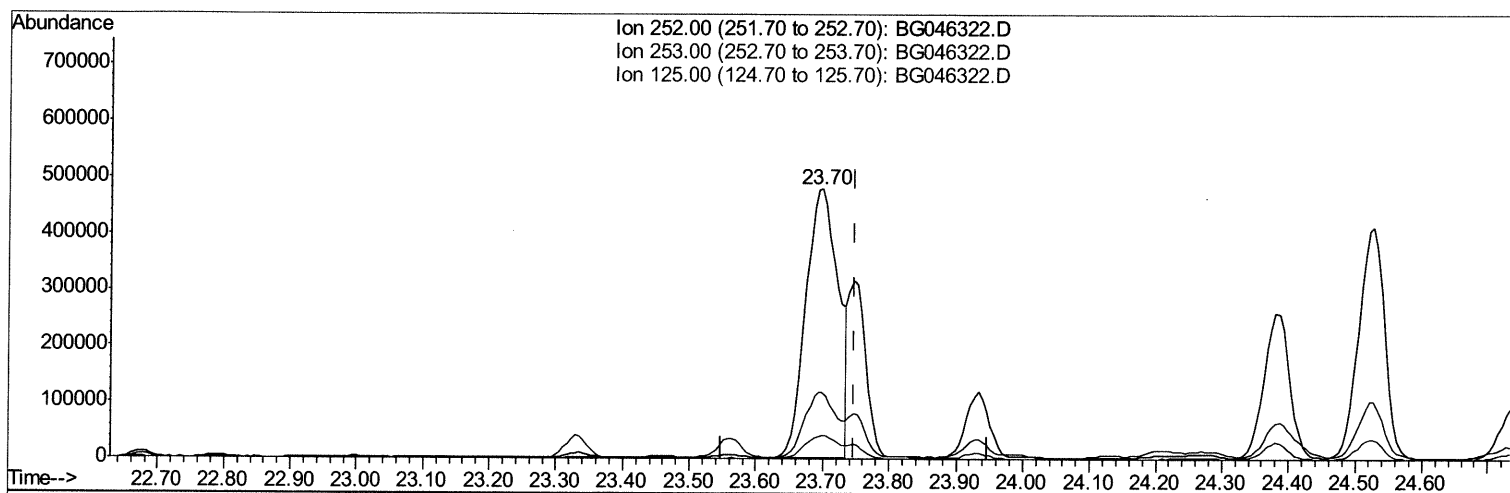
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG081720\  
Data File : BG046322.D  
Acq On : 18 Aug 2020 11:07  
Operator : CG/JU  
Sample : L3636-05  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BFMK1

Manual Integrations  
APPROVED

mohammad  
8/19/2020 2:16:38 PM

Quant Time: Aug 18 12:15:20 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG081320PAH.M  
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Response via : Initial Calibration



TIC: BG046322.D

(25) Benzo(k)fluoranthene

23.699min (-0.050) 47.02ng/ul

response 1634093

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 23.10 | 24.74 |
| 125.00 | 7.70  | 8.80  |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

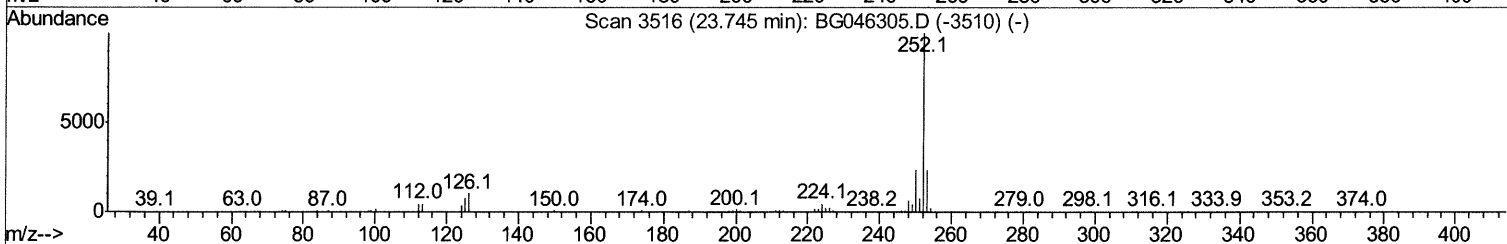
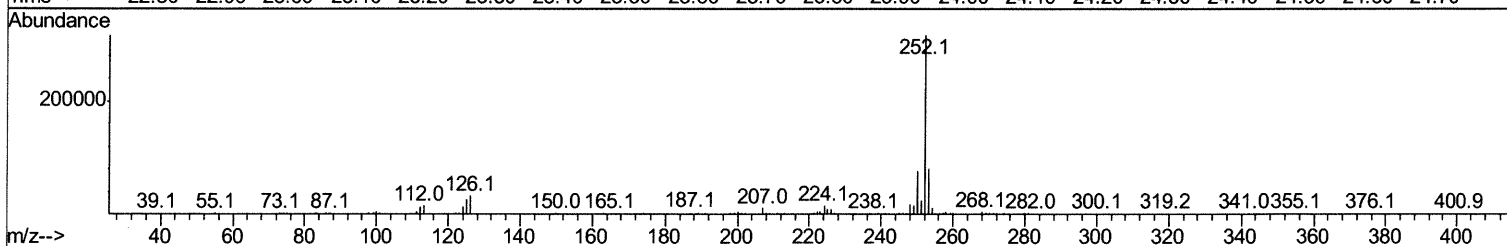
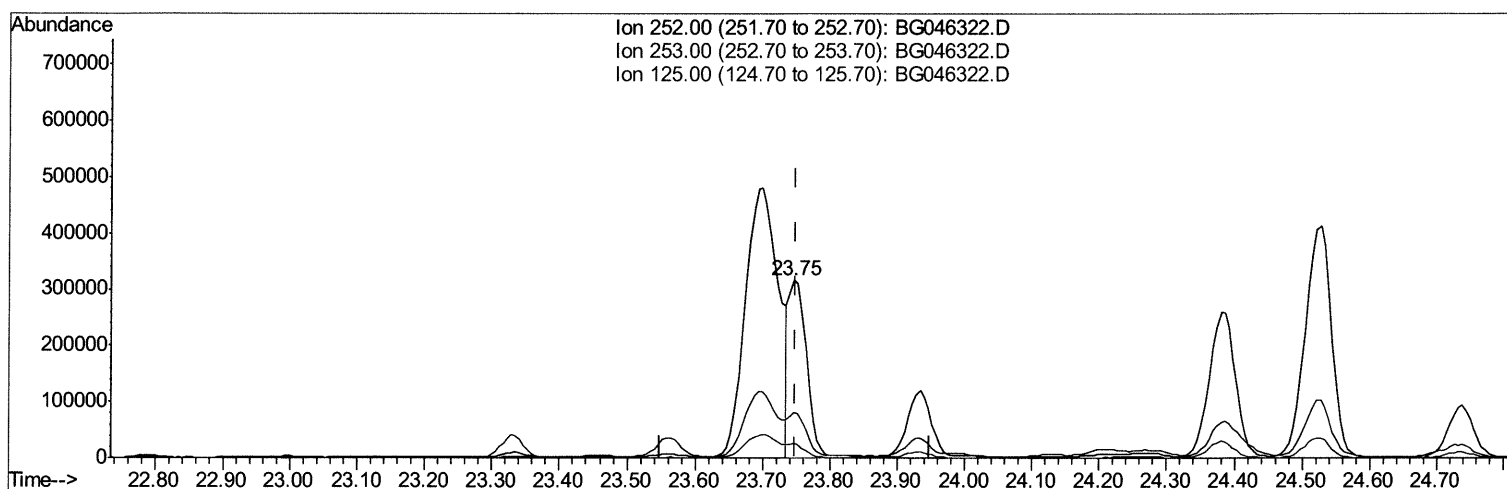
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG081720\  
Data File : BG046322.D  
Acq On : 18 Aug 2020 11:07  
Operator : CG/JU  
Sample : L3636-05  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BFMK1

Manual Integrations  
APPROVED

mohammad  
8/19/2020 2:16:38 PM

Quant Time: Aug 18 12:15:20 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: BG046322.D

(25) Benzo(k)fluoranthene

23.746min (-0.003) 16.55ng/ul m 08/20/20 JU

response 575208

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 23.10 | 25.40 |
| 125.00 | 7.70  | 8.06  |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG081720\  
 Data File : BG046322.D  
 Acq On : 18 Aug 2020 11:07  
 Operator : CG/JU  
 Sample : L3636-05  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BFMK1

Manual Integrations  
 APPROVED

mohammad  
 8/19/2020 2:16:38 PM

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| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.94  | 152  | 84420    | 20.00 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.74 | 136  | 349827   | 20.00 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.57 | 164  | 231645   | 20.00 | ng/ul | 0.00     |
| 12) Phenanthrene-d10      | 17.31 | 188  | 496944   | 20.00 | ng/ul | 0.00     |
| 18) Chrysene-d12          | 21.56 | 240  | 482893   | 20.00 | ng/ul | 0.00     |
| 23) Perylene-d12          | 24.67 | 264  | 529754   | 20.00 | ng/ul | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 3) 2,4-Dichlorophenol-d3    | 10.36 | 165  | 64862    | 10.77 | ng/ul | 0.00     |
| 7) Acenaphthylene-d8        | 14.26 | 160  | 251079   | 11.78 | ng/ul | 0.00     |
| 10) Fluorene-d10            | 15.56 | 176  | 197993   | 12.12 | ng/ul | 0.00     |
| 15) Anthracene-d10          | 17.41 | 188  | 276490   | 12.00 | ng/ul | 0.00     |
| 19) Pvrene-d10              | 19.69 | 212  | 288243   | 11.60 | ng/ul | 0.00     |
| 26) Benzo(a)pyrene-d12      | 24.46 | 264  | 313331   | 10.84 | ng/ul | 0.00     |

| Target Compounds           | R.T.  | QIon | Response  | Conc   | Units  | Qvalue      |
|----------------------------|-------|------|-----------|--------|--------|-------------|
| 4) Naphthalene             | 10.78 | 128  | 152176    | 8.363  | ng/ul  | 98          |
| 5) 2-Methylnaphthalene     | 12.39 | 142  | 77949     | 5.619  | ng/ul  | 100         |
| 8) Acenaphthylene          | 14.29 | 152  | 72819     | 3.360  | ng/ul  | 97          |
| 9) Acenaphthene            | 14.63 | 153  | 158149    | 10.218 | ng/ul  | 98          |
| 11) Fluorene               | 15.61 | 166  | 221789    | 12.256 | ng/ul  | 98          |
| 14) Phenanthrene           | 17.36 | 178  | 2216600m> | 81.079 | ng/ul> | 08/20/20 Jd |
| 16) Anthracene             | 17.44 | 178  | 673531    | 24.417 | ng/ul  | 99          |
| 17) Fluoranthene           | 19.37 | 202  | 2440299m> | 80.052 | ng/ul> | 08/20/20 Jd |
| 20) Pyrene                 | 19.73 | 202  | 2075686   | 65.484 | ng/ul# | 95          |
| 21) Benzo(a)anthracene     | 21.54 | 228  | 1488031   | 47.362 | ng/ul  | 93          |
| 22) Chrysene               | 21.61 | 228  | 1360960m> | 44.809 | ng/ul> | 08/20/20 Jd |
| 24) Benzo(b)fluoranthene   | 23.70 | 252  | 1634093   | 46.646 | ng/ul  | 95          |
| 25) Benzo(k)fluoranthene   | 23.75 | 252  | 575208m>  | 16.552 | ng/ul> | 08/20/20 Jd |
| 27) Benzo(a)pyrene         | 24.53 | 252  | 1104180   | 34.332 | ng/ul  | 96          |
| 28) Indeno(1,2,3-cd)pyrene | 28.18 | 276  | 680370    | 16.895 | ng/ul  | 98          |
| 29) Dibenzo(a,h)anthracene | 28.22 | 278  | 225618    | 6.910  | ng/ul# | 93          |
| 30) Benzo(a,h,i)perylene   | 29.27 | 276  | 495105    | 14.691 | ng/ul  | 100         |

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