

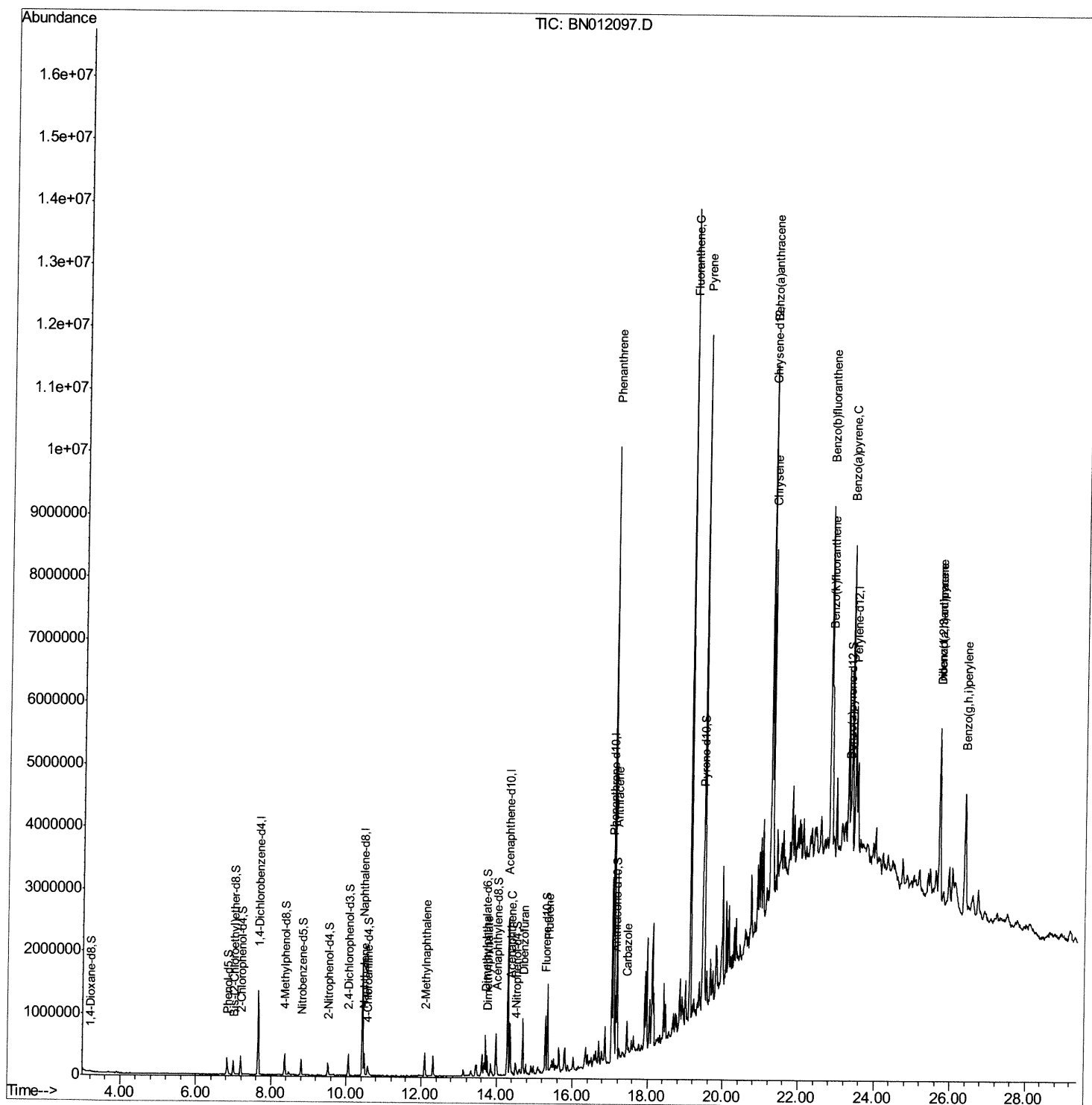
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN100720\  
Data File : BN012097.D  
Acq On : 07 Oct 2020 15:11  
Operator : CG/JU  
Sample : L4184-04DL 2X  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AK6DL

Manual Integrations  
APPROVED

mohammad  
10/8/2020 12:30:27 PM

Quant Time: Oct 07 16:16:05 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN100220.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Oct 07 13:26:33 2020  
Response via : Initial Calibration



## Quantitation Report (Qedit)

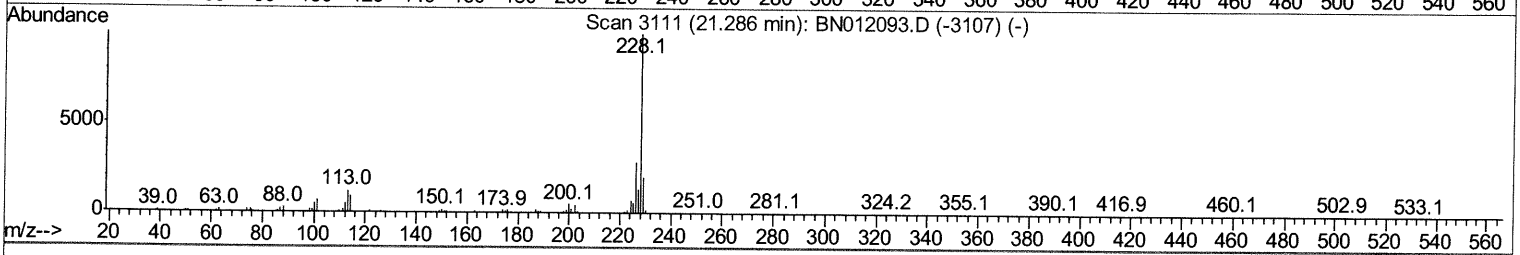
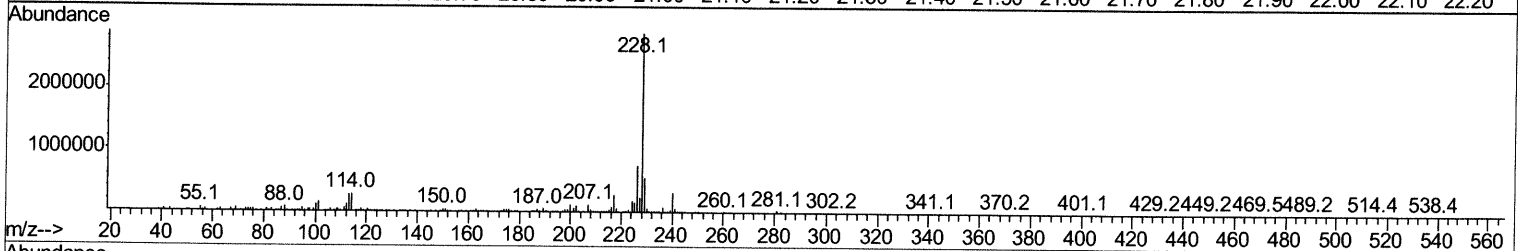
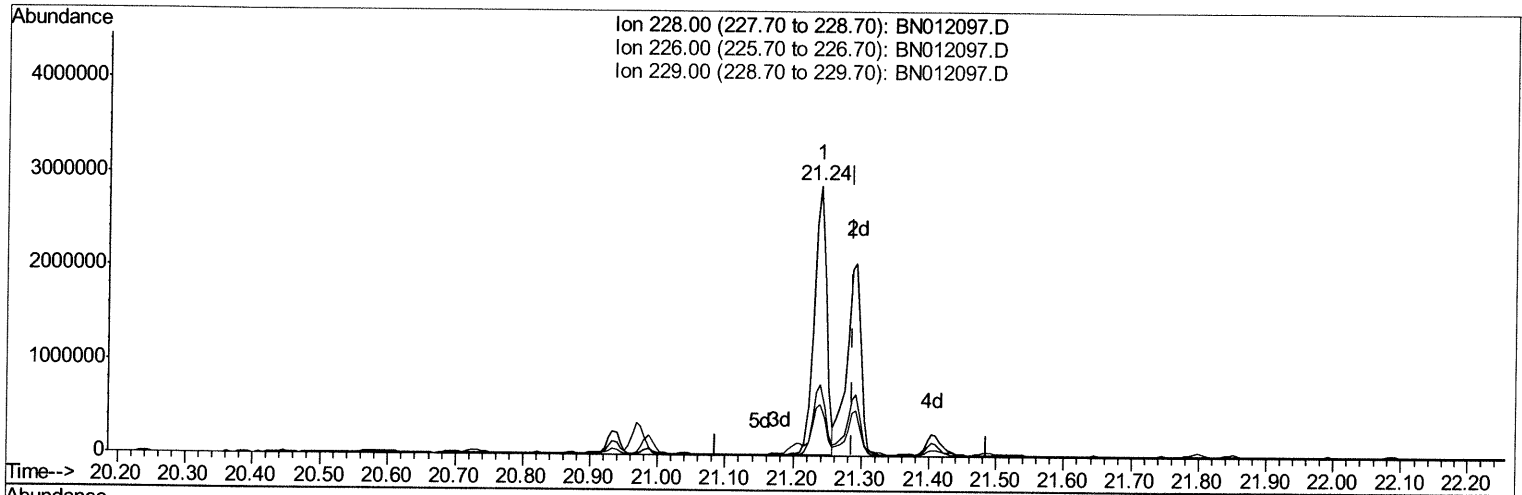
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Manual Integrations  
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mohammad  
10/8/2020 12:30:27 PM

Quant Time: Oct 07 16:06:47 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN100220.M  
Quant Title : SVOA CALIBRATION  
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Response via : Initial Calibration



TIC: BN012097.D

(85) Chrysene

21.239min (-0.047) 37.94ng/ul

response 3599000

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 29.10 | 26.31 |
| 229.00 | 18.70 | 18.94 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

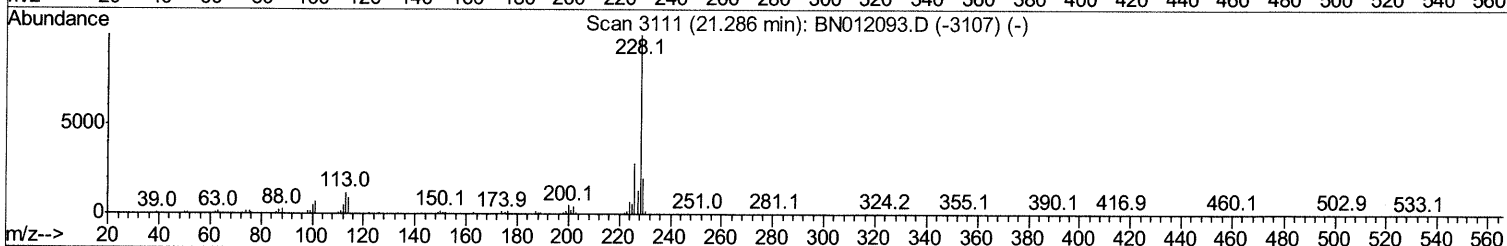
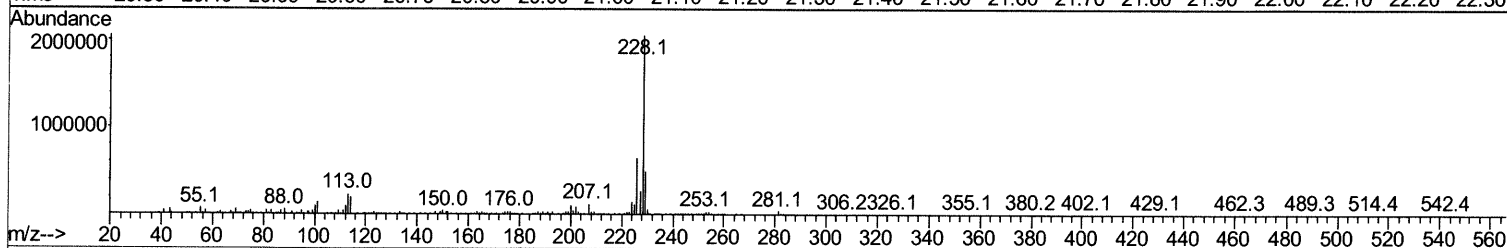
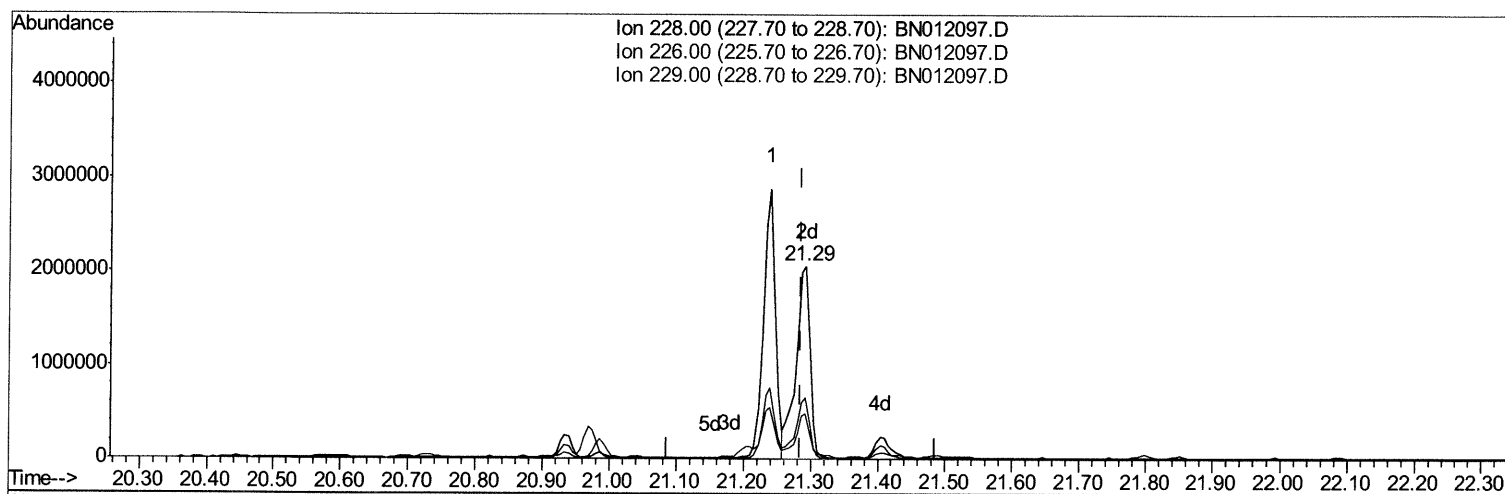
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN100720\  
Data File : BN012097.D  
Acq On : 07 Oct 2020 15:11  
Operator : CG/JU  
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Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AK6DL

Manual Integrations  
APPROVED

mohammad  
10/8/2020 12:30:27 PM

Quant Time: Oct 07 16:06:47 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN100220.M  
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Response via : Initial Calibration



TIC: BN012097.D

(85) Chrysene

21.292min (+0.006) 32.08ng/ul m 10/17/20 JU

response 3043411

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 226.00 | 29.10 | 31.65  |
| 229.00 | 18.70 | 23.68# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

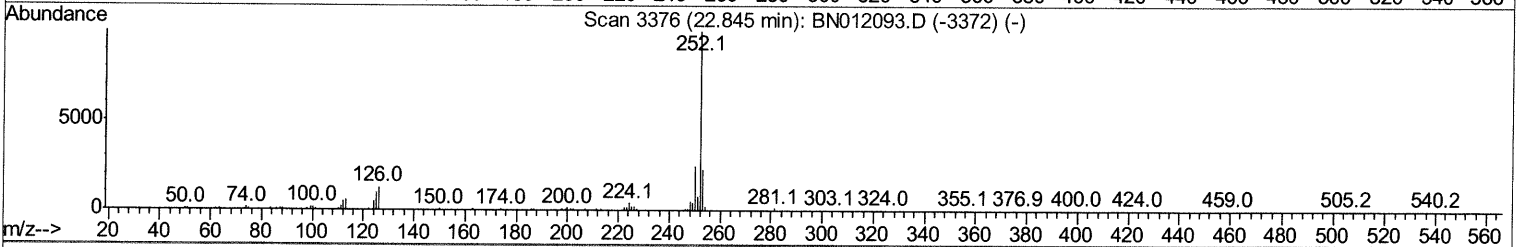
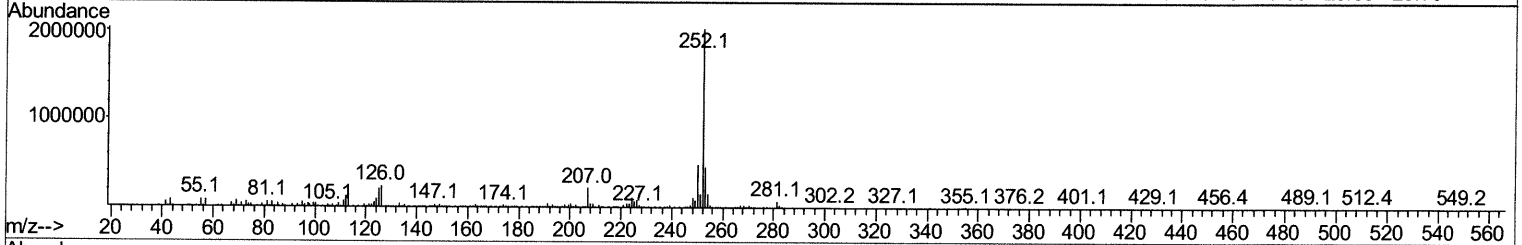
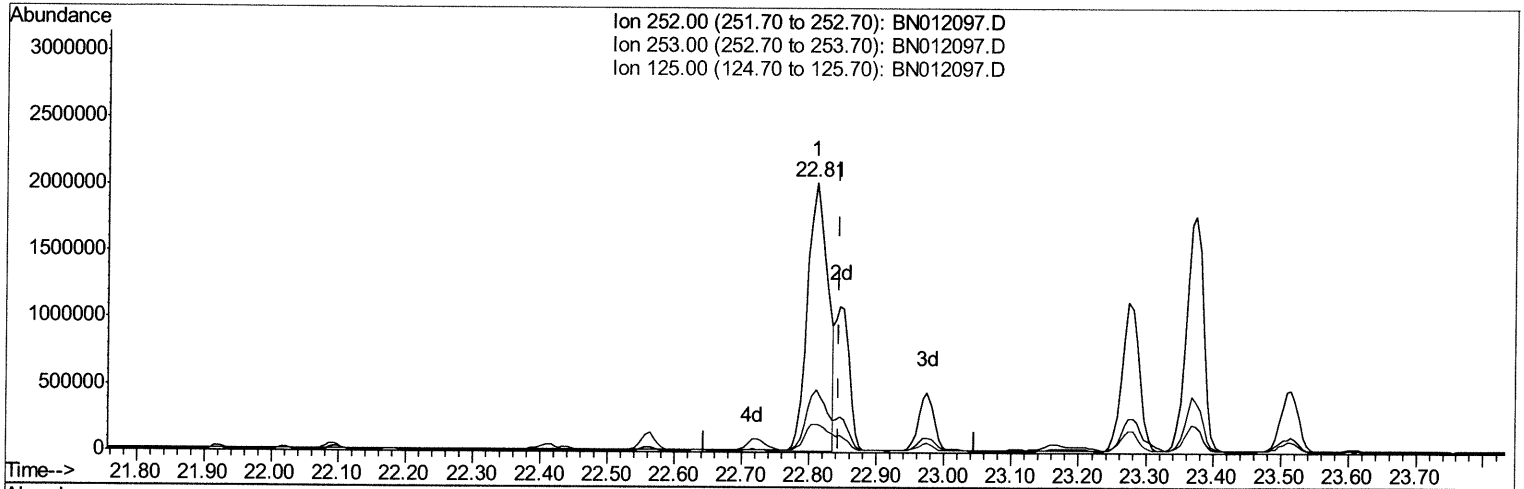
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN100720\  
 Data File : BN012097.D  
 Acq On : 07 Oct 2020 15:11  
 Operator : CG/JU  
 Sample : L4184-04DL 2X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

**Instrument :**  
 BNA\_N  
**ClientSampleId :**  
 C0AK6DL

**Manual Integrations**  
**APPROVED**

mohammad  
 10/8/2020 12:30:27 PM

Quant Time: Oct 07 16:06:47 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN100220.M  
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 Response via : Initial Calibration



TIC: BN012097.D

(89) Benzo(k)fluoranthene

22.810min (-0.035) 36.96ng/ul

response 4179552

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.60 | 22.97 |
| 125.00 | 9.60  | 10.57 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

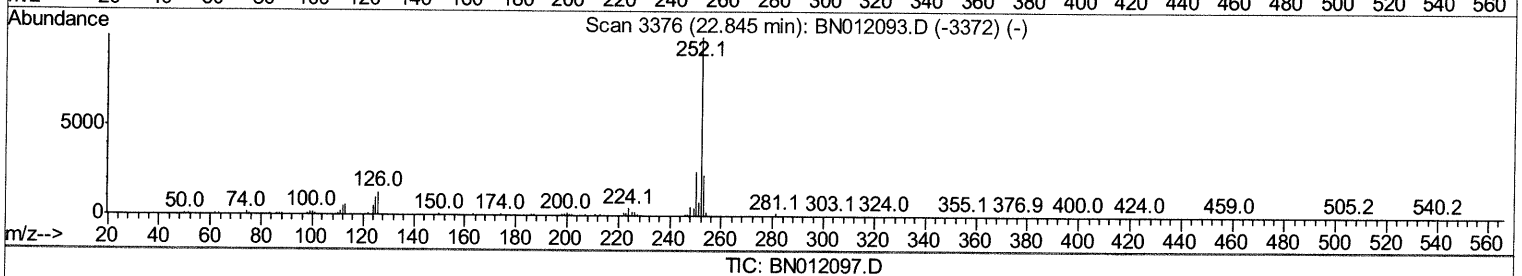
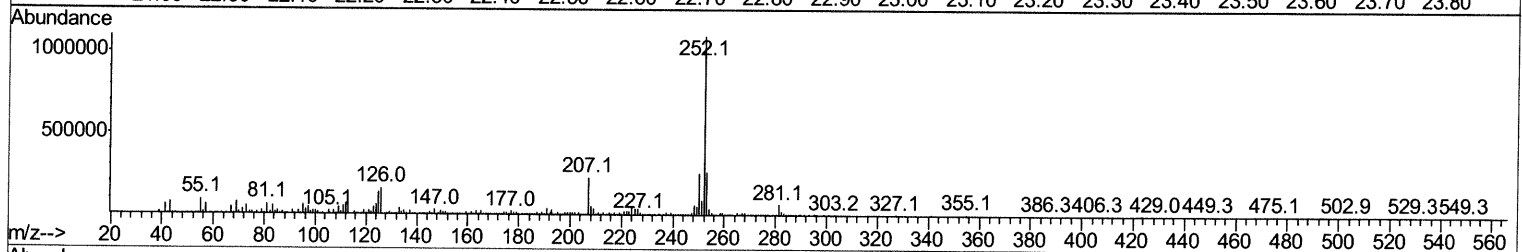
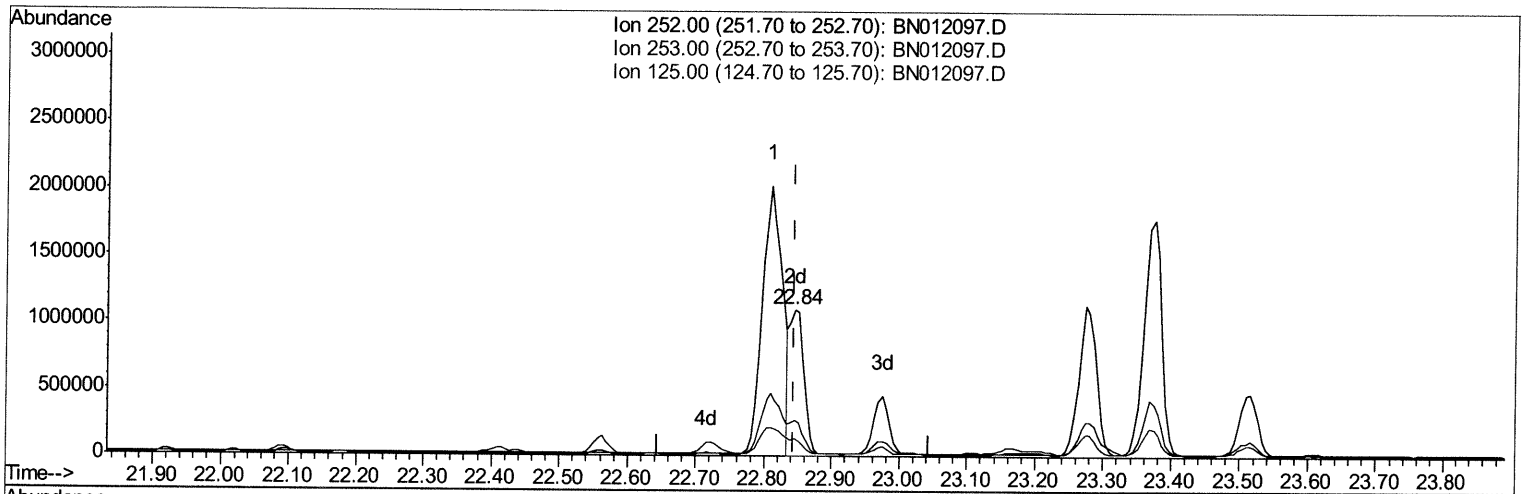
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN100720\  
 Data File : BN012097.D  
 Acq On : 07 Oct 2020 15:11  
 Operator : CG/JU  
 Sample : L4184-04DL 2X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

**Instrument :**  
 BNA\_N  
**ClientSampled :**  
 C0AK6DL

**Manual Integrations**  
**APPROVED**

mohammad  
 10/8/2020 12:30:27 PM

Quant Time: Oct 07 16:06:47 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN100220.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 07 13:26:33 2020  
 Response via : Initial Calibration



TIC: BN012097.D

(89) Benzo(k)fluoranthene

22.845min (+0.000) 14.12ng/ul m 10/7/20 JU

response 1596424

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 22.60 | 23.96  |
| 125.00 | 9.60  | 12.07# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN100720\  
 Data File : BN012097.D  
 Acq On : 07 Oct 2020 15:11  
 Operator : CG/JU  
 Sample : L4184-04DL 2X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AK6DL

Manual Integrations  
 APPROVED

mohammad  
 10/8/2020 12:30:27 PM

Quant Time: Oct 07 16:16:05 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN100220.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 07 13:26:33 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.65  | 152  | 347655   | 20.00 | ng/ul | 0.01     |
| 18) Naphthalene-d8        | 10.43 | 136  | 1406691  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.30 | 164  | 828191   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.05 | 188  | 1644804  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.25 | 240  | 1432281  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.47 | 264  | 1638547  | 20.00 | ng/ul | 0.01     |

## System Monitoring Compounds

|                                |       |     |        |      |       |      |
|--------------------------------|-------|-----|--------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.20  | 96  | 9036   | 1.13 | ng/uL | 0.02 |
| 5) Phenol-d5                   | 6.83  | 99  | 145882 | 5.03 | ng/ul | 0.02 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.99  | 67  | 97972  | 5.50 | ng/ul | 0.01 |
| 9) 2-Chlorophenol-d4           | 7.19  | 132 | 126546 | 5.39 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.36  | 113 | 121268 | 5.31 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5            | 8.80  | 128 | 61003  | 5.46 | ng/ul | 0.01 |
| 22) 2-Nitrophenol-d4           | 9.52  | 143 | 61450  | 5.09 | ng/ul | 0.01 |
| 26) 2,4-Dichlorophenol-d3      | 10.05 | 165 | 123432 | 5.33 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.57 | 131 | 84905  | 3.11 | ng/ul | 0.01 |
| 44) Dimethylphthalate-d6       | 13.70 | 166 | 394510 | 6.07 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.99 | 160 | 457401 | 5.90 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.50 | 143 | 29142  | 2.44 | ng/ul | 0.01 |
| 58) Fluorene-d10               | 15.29 | 176 | 325558 | 5.74 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.42 | 200 | 9401   | 0.90 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.14 | 188 | 502924 | 6.31 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.45 | 212 | 484511 | 6.43 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.32 | 264 | 528541 | 5.75 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |            |        |         | Ovalue        |
|----------------------------|-------|-----|------------|--------|---------|---------------|
| 28) Naphthalene            | 10.48 | 128 | 276209     | 3.431  | ng/ul   | 97            |
| 34) 2-Methylnaphthalene    | 12.09 | 142 | 171828     | 3.105  | ng/ul   | 85            |
| 45) Dimethylphthalate      | 13.75 | 163 | 190828     | 2.851  | ng/ul   | 99            |
| 50) Acenaphthene           | 14.36 | 153 | 328836     | 5.615  | ng/ul   | 99            |
| 54) Dibenzofuran           | 14.69 | 168 | 480503     | 6.014  | ng/ul   | 98            |
| 59) Fluorene               | 15.35 | 166 | 575129     | 8.587  | ng/ul   | 93            |
| 70) Phenanthrene           | 17.09 | 178 | 5693829    | 56.822 | ng/ul   | 99            |
| 72) Anthracene             | 17.17 | 178 | 1808232    | 17.871 | ng/ul   | 98            |
| 75) Carbazole              | 17.45 | 167 | 331455     | 3.773  | ng/ul   | 98            |
| 77) Fluoranthene           | 19.12 | 202 | 7289999    | 64.772 | ng/ul   | 99            |
| 80) Pyrene                 | 19.48 | 202 | 6175894    | 59.778 | ng/ul   | 99            |
| 83) Benzo(a)anthracene     | 21.24 | 228 | 3598081    | 37.290 | ng/ul   | 99            |
| 85) Chrysene               | 21.29 | 228 | 3043411m > | 32.084 | ng/ul > | 10/17/2020 JU |
| 88) Benzo(b)fluoranthene   | 22.81 | 252 | 4179552    | 36.411 | ng/ul   | 99            |
| 89) Benzo(k)fluoranthene   | 22.84 | 252 | 1596424m > | 14.119 | ng/ul > | 10/17/2020 JU |
| 91) Benzo(a)pyrene         | 23.37 | 252 | 3186848    | 30.606 | ng/ul   | 99            |
| 92) Indeno(1,2,3-cd)pyrene | 25.69 | 276 | 2384645    | 17.935 | ng/ul   | 97            |
| 93) Dibenzo(a,h)anthracene | 25.69 | 278 | 670780     | 6.124  | ng/ul#  | 81            |
| 94) Benzo(q,h,i)perylene   | 26.37 | 276 | 2032995    | 17.954 | ng/ul   | 98            |

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