

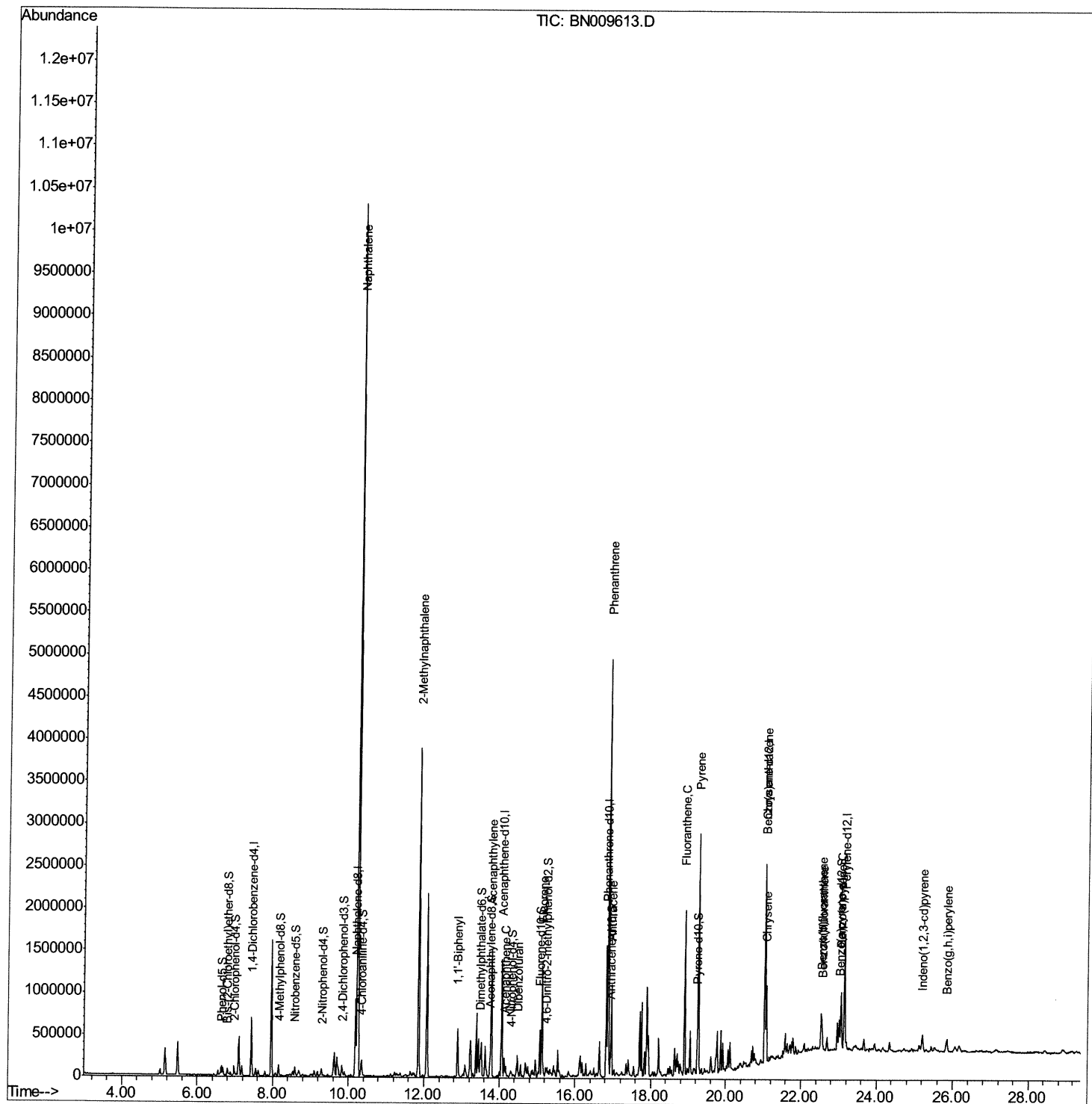
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\  
Data File : BN009613.D  
Acq On : 06 Feb 2020 17:23  
Operator : CG/JU  
Sample : L1323-18DL 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GAT56DL

Manual Integrations  
APPROVED

mohammad  
2/10/2020 8:19:19 AM

Quant Time: Feb 06 22:32:27 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Feb 03 16:39:56 2020  
Response via : Initial Calibration



# Quantitation Report (Qedit)

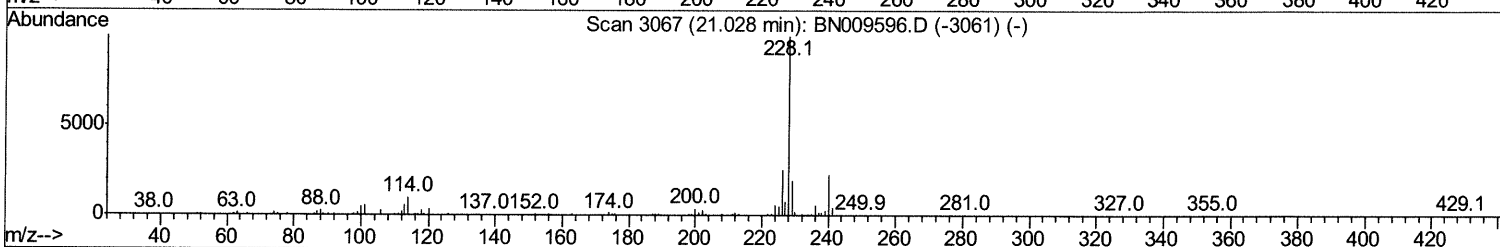
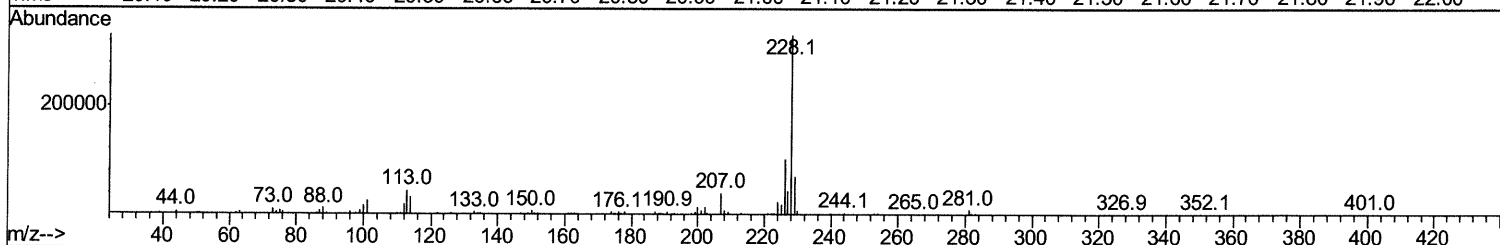
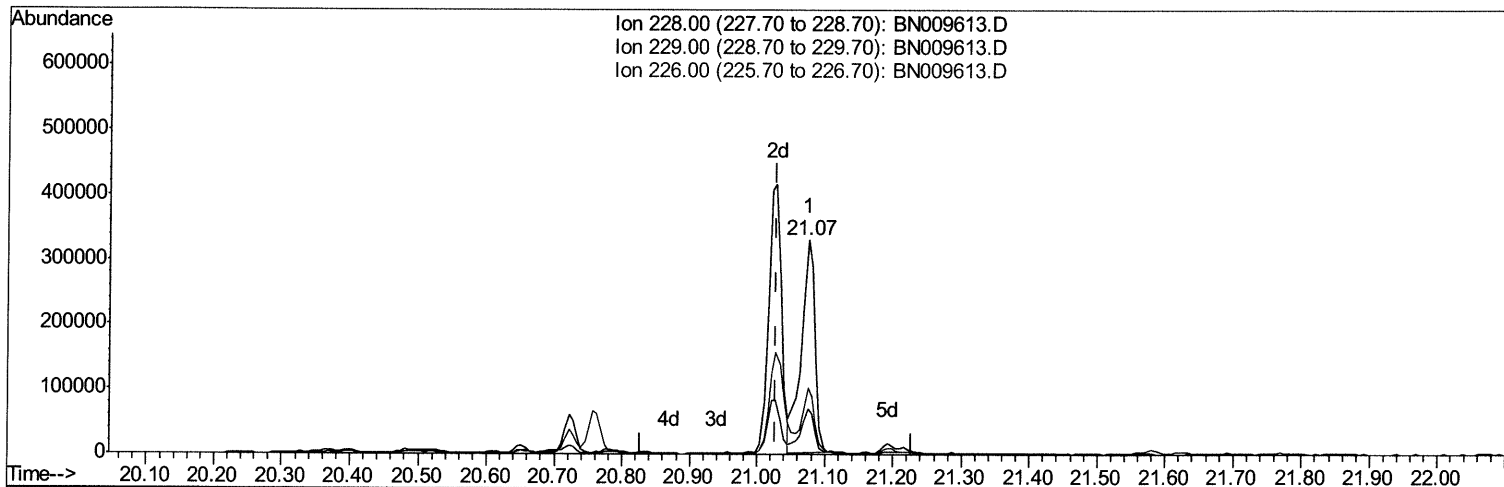
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 QLast Update : Mon Feb 03 16:39:56 2020  
 Response via : Initial Calibration



TIC: BN009613.D

(82) Benzo(a)anthracene

21.075min (+0.047) 8.52ng/ul

response 457024

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 229.00 | 18.70 | 21.30 |
| 226.00 | 26.10 | 30.81 |
| 0.00   | 0.00  | 0.00  |

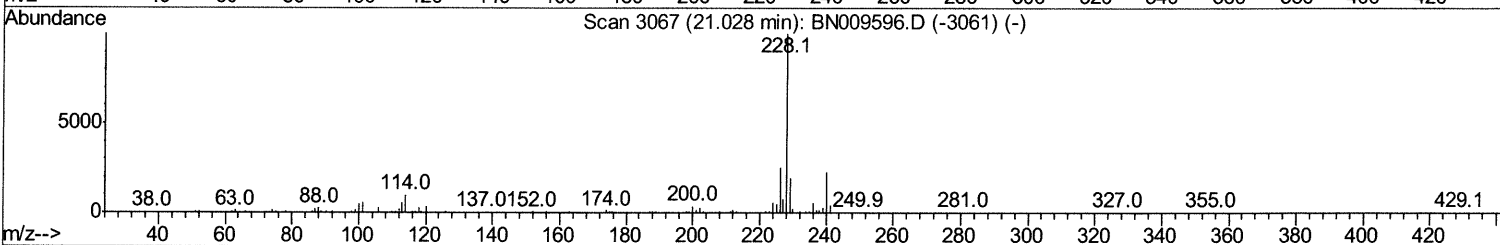
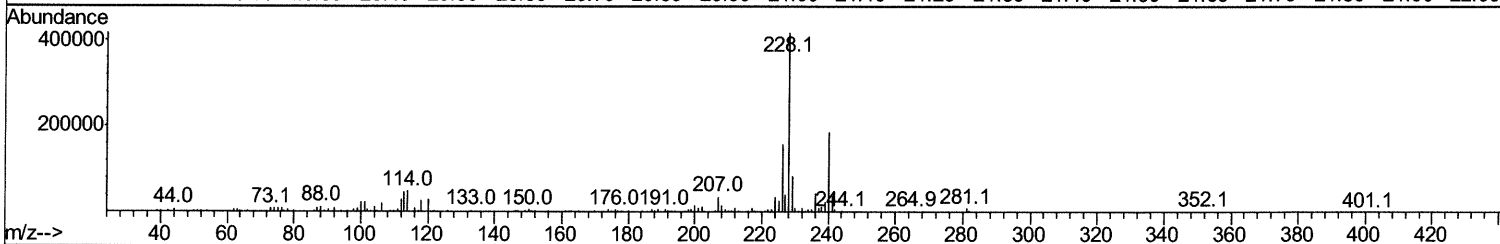
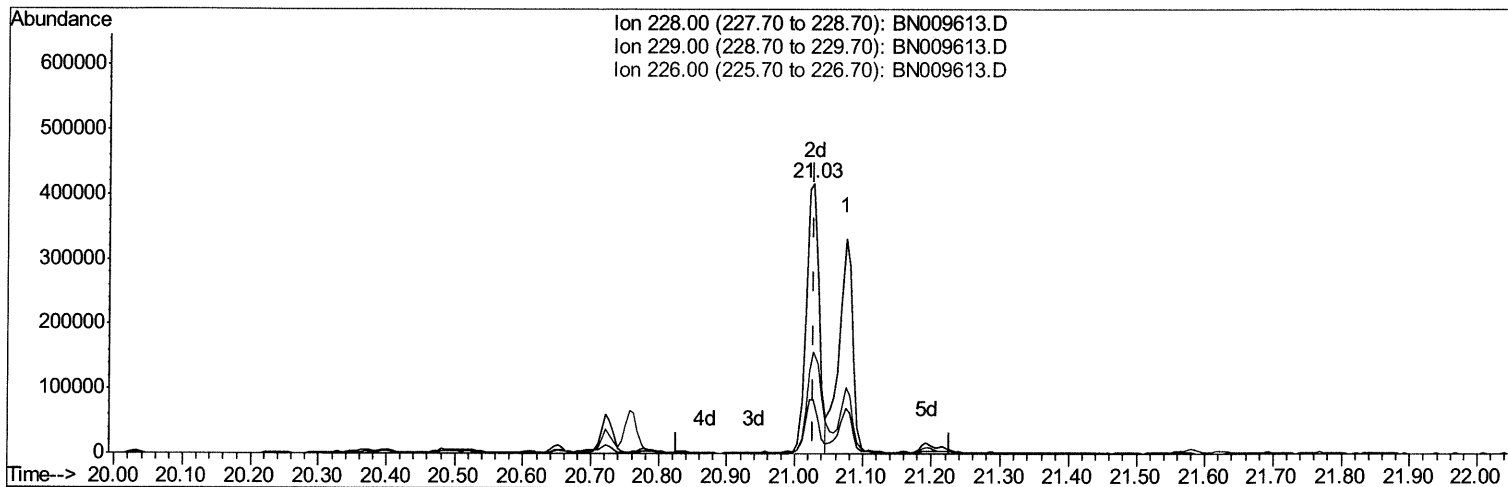
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\  
Data File : BN009613.D  
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Operator : CG/JU  
Sample : L1323-18DL 5X  
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Instrument :  
BNA\_N  
ClientSampleId :  
GAT56DL

Manual Integrations  
APPROVED

mohammad  
2/10/2020 8:19:19 AM

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QLast Update : Mon Feb 03 16:39:56 2020  
Response via : Initial Calibration



TIC: BN009613.D

(82) Benzo(a)anthracene

21.028min (+0.000) 10.27ng/ul m JU 02/13/20

response 551106

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 229.00 | 18.70 | 20.21  |
| 226.00 | 26.10 | 37.52# |
| 0.00   | 0.00  | 0.00   |

## Quantitation Report (Qedit)

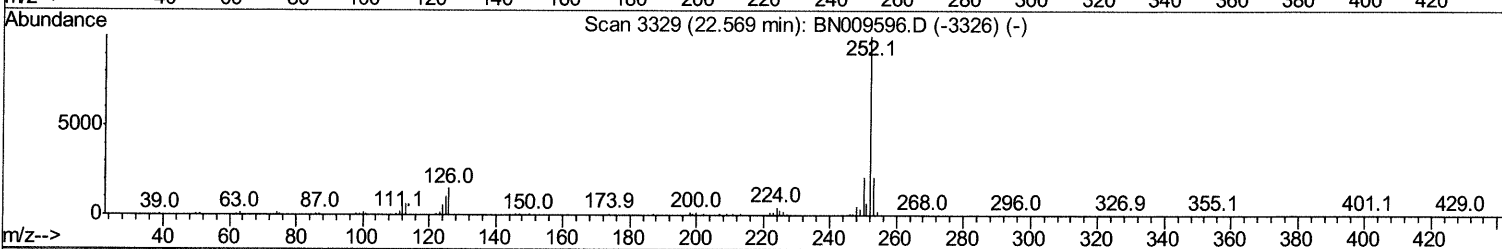
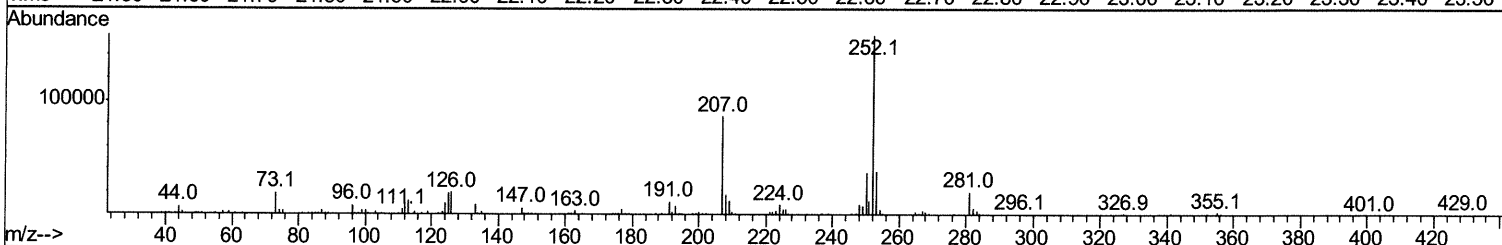
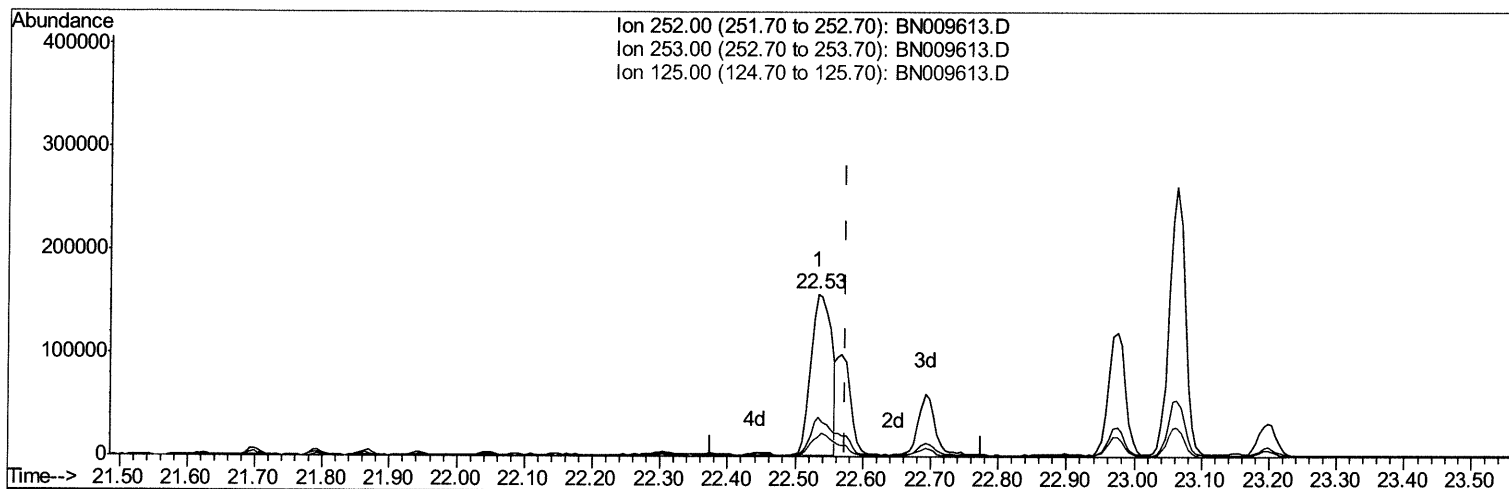
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN020620\  
Data File : BN009613.D  
Acq On : 06 Feb 2020 17:23  
Operator : CG/JU  
Sample : L1323-18DL 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
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Manual Integrations  
APPROVED

mohammad  
2/10/2020 8:19:19 AM

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Response via : Initial Calibration



TIC: BN009613.D

(88) Benzo(k)fluoranthene

22.533min (-0.041) 6.36ng/ul

response 333884

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.20 | 24.27 |
| 125.00 | 10.00 | 11.75 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

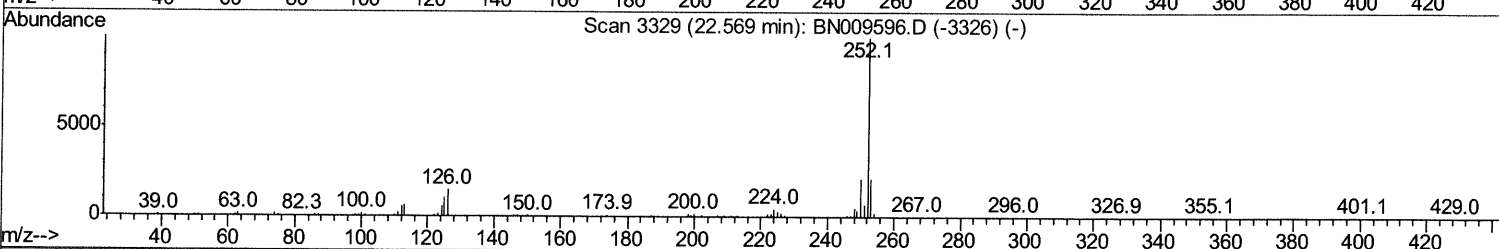
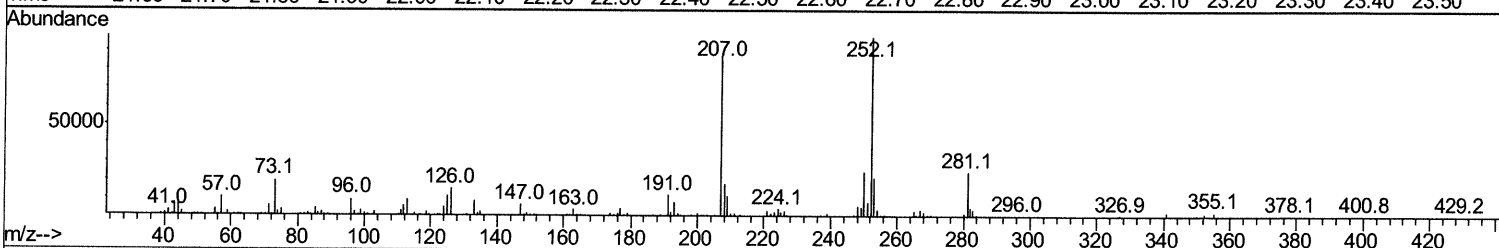
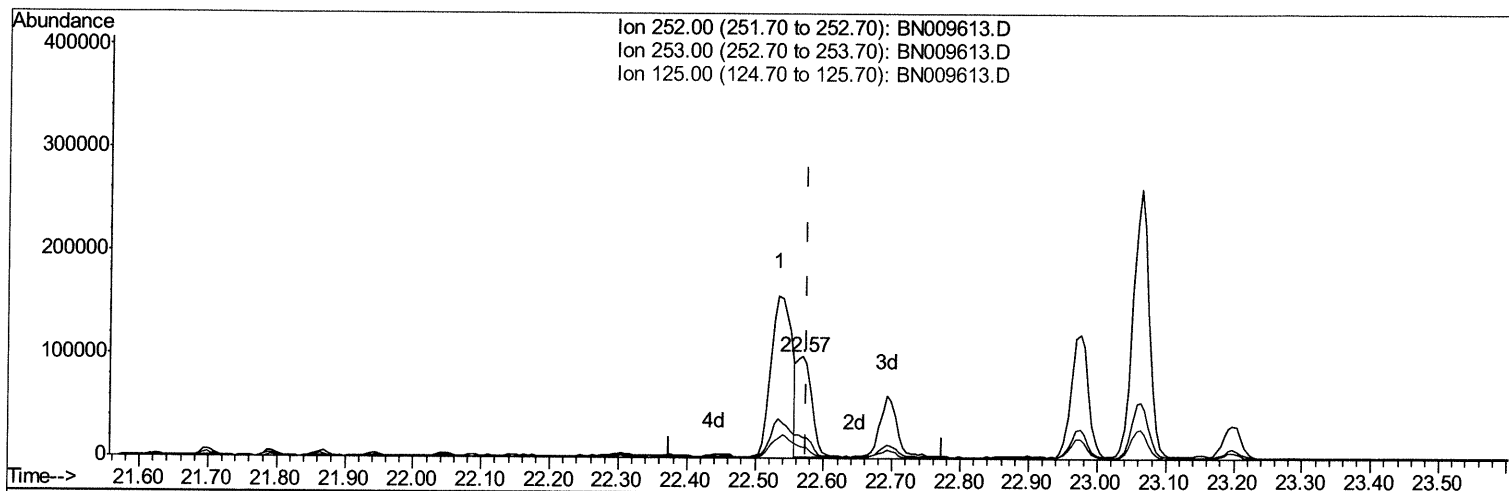
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\  
 Data File : BN009613.D  
 Acq On : 06 Feb 2020 17:23  
 Operator : CG/JU  
 Sample : L1323-18DL 5X  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

**Instrument :**  
 BNA\_N  
**ClientSampleId :**  
 GAT56DL

**Manual Integrations**  
**APPROVED**

mohammad  
 2/10/2020 8:19:19 AM

Quant Time: Feb 06 21:09:20 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Feb 03 16:39:56 2020  
 Response via : Initial Calibration



TIC: BN009613.D

(88) Benzo(k)fluoranthene

22.569min (-0.006) 2.63ng/ul **JU 02/13/20**

response 137856

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.20 | 21.23 |
| 125.00 | 10.00 | 11.40 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN020620\  
 Data File : BN009613.D  
 Acq On : 06 Feb 2020 17:23  
 Operator : CG/JU  
 Sample : L1323-18DL 5X  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAT56DL

Manual Integrations  
 APPROVED

mohammad  
 2/10/2020 8:19:19 AM

Quant Time: Feb 06 22:32:27 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Feb 03 16:39:56 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.43  | 152  | 157787   | 20.00 | ng/ul | -0.01    |
| 18) Naphthalene-d8        | 10.19 | 136  | 668496   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.07 | 164  | 407870   | 20.00 | ng/ul | -0.01    |
| 61) Phenanthrene-d10      | 16.83 | 188  | 844876   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.04 | 240  | 777114   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.15 | 264  | 851603   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |      |       |       |
|--------------------------------|-------|-----|--------|------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.08  | 96  | 3514   | 0.91 | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.64  | 99  | 56090  | 4.08 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.79  | 67  | 42817  | 4.63 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 6.98  | 132 | 45248  | 4.47 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.15  | 113 | 44379  | 4.05 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.58  | 128 | 21304  | 4.29 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.29  | 143 | 23001  | 4.15 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 9.83  | 165 | 43849  | 4.22 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.34 | 131 | 58495  | 5.23 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.50 | 166 | 142809 | 4.80 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 13.76 | 160 | 171758 | 4.77 | ng/ul | -0.01 |
| 51) 4-Nitrophenol-d4           | 14.32 | 143 | 12883  | 2.29 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.07 | 176 | 128295 | 4.90 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.22 | 200 | 11530  | 2.19 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 16.93 | 188 | 195873 | 5.10 | ng/ul | 0.00  |
| 78) Pyrene-d10                 | 19.23 | 212 | 210722 | 5.16 | ng/ul | 0.00  |
| 89) Benzo(a)pyrene-d12         | 23.02 | 264 | 210495 | 5.02 | ng/ul | 0.00  |

## Target Compounds

|                            |       |     |           |         | Ovalue  |           |
|----------------------------|-------|-----|-----------|---------|---------|-----------|
| 28) Naphthalene            | 10.24 | 128 | 7346361   | 202.647 | ng/ul   | 99        |
| 34) 2-Methylnaphthalene    | 11.86 | 142 | 1681980   | 66.299  | ng/ul   | 96        |
| 40) 1,1'-Biphenyl          | 12.89 | 154 | 277896    | 8.751   | ng/ul   | 99        |
| 47) Acenaphthylene         | 13.79 | 152 | 923088    | 23.446  | ng/ul   | 99        |
| 49) Acenaphthene           | 14.13 | 153 | 80146     | 2.994   | ng/ul   | 97        |
| 53) Dibenzofuran           | 14.48 | 168 | 86163     | 2.312   | ng/ul   | 97        |
| 58) Fluorene               | 15.13 | 166 | 586750    | 18.837  | ng/ul   | 97        |
| 69) Phenanthrene           | 16.87 | 178 | 2810809   | 58.337  | ng/ul   | 99        |
| 71) Anthracene             | 16.96 | 178 | 635141    | 12.992  | ng/ul   | 99        |
| 76) Fluoranthene           | 18.90 | 202 | 1077223   | 19.589  | ng/ul   | 99        |
| 79) Pyrene                 | 19.26 | 202 | 1612352   | 28.422  | ng/ul   | 98        |
| 82) Benzo(a)anthracene     | 21.03 | 228 | 551106m > | 10.271  | ng/ul > | 702/13/20 |
| 84) Chrysene               | 21.07 | 228 | 457024    | 8.556   | ng/ul   | 97        |
| 87) Benzo(b)fluoranthene   | 22.53 | 252 | 333884    | 6.266   | ng/ul   | 94        |
| 88) Benzo(k)fluoranthene   | 22.57 | 252 | 137856m > | 2.627   | ng/ul > | 702/13/20 |
| 90) Benzo(a)pyrene         | 23.06 | 252 | 431753    | 8.746   | ng/ul   | 98        |
| 91) Indeno(1,2,3-cd)pyrene | 25.22 | 276 | 155535    | 2.650   | ng/ul   | 93        |
| 93) Benzo(g,h,i)perylene   | 25.84 | 276 | 164096    | 3.336   | ng/ul   | 97        |

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