

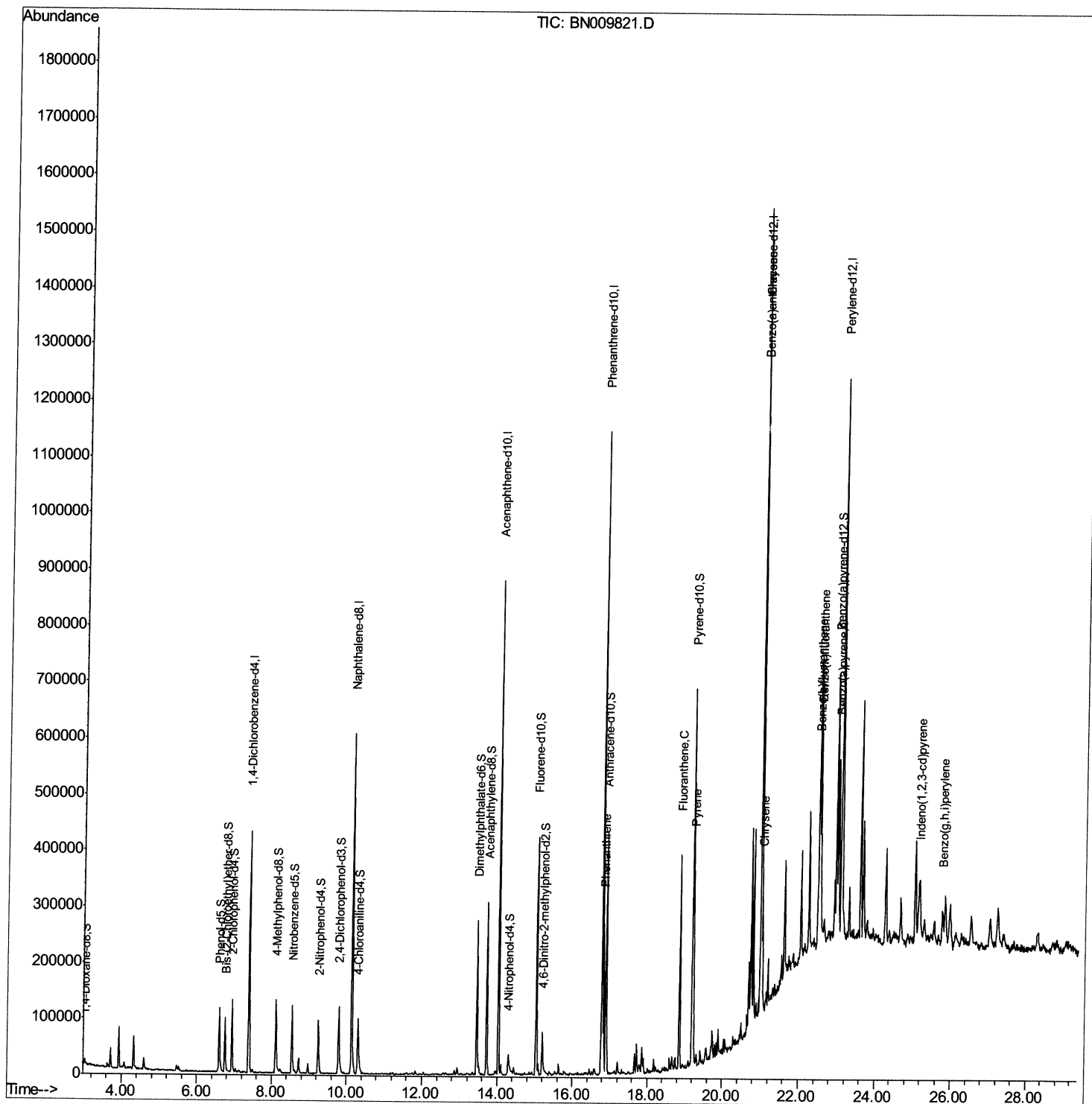
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022220\  
Data File : BN009821.D  
Acq On : 21 Feb 2020 23:18  
Operator : CG/JU  
Sample : L1535-07  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
CB6Q5

Manual Integrations  
APPROVED

mohammad  
2/24/2020 4:48:25 PM

Quant Time: Feb 22 01:35:53 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN021220MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Feb 21 22:14:17 2020  
Response via : Initial Calibration



# Quantitation Report (Qedit)

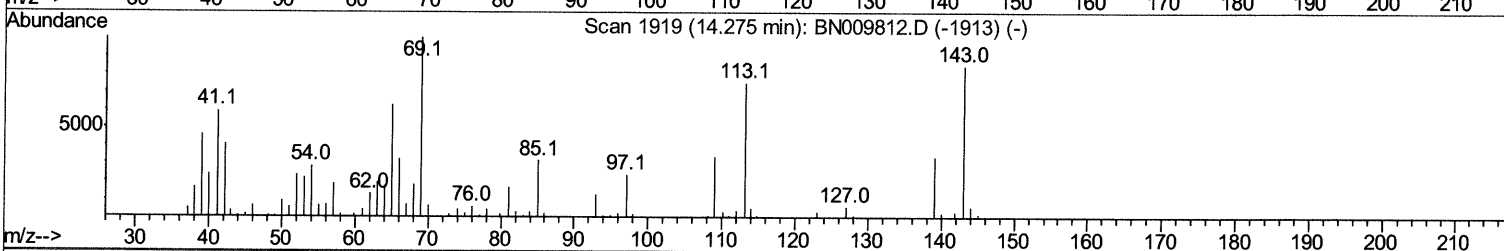
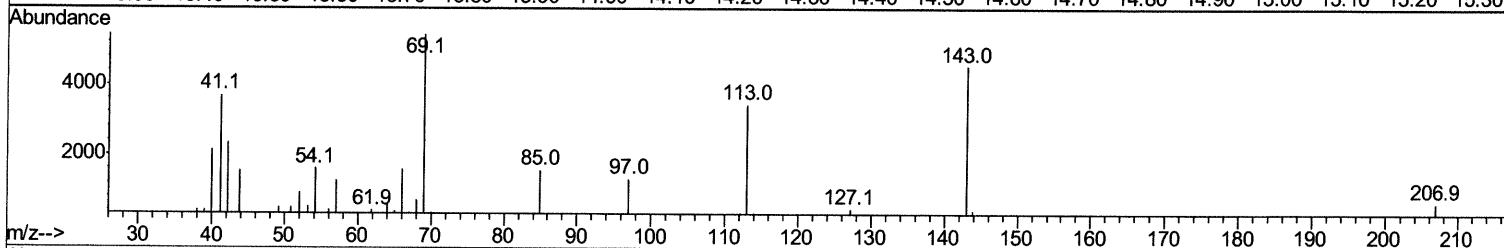
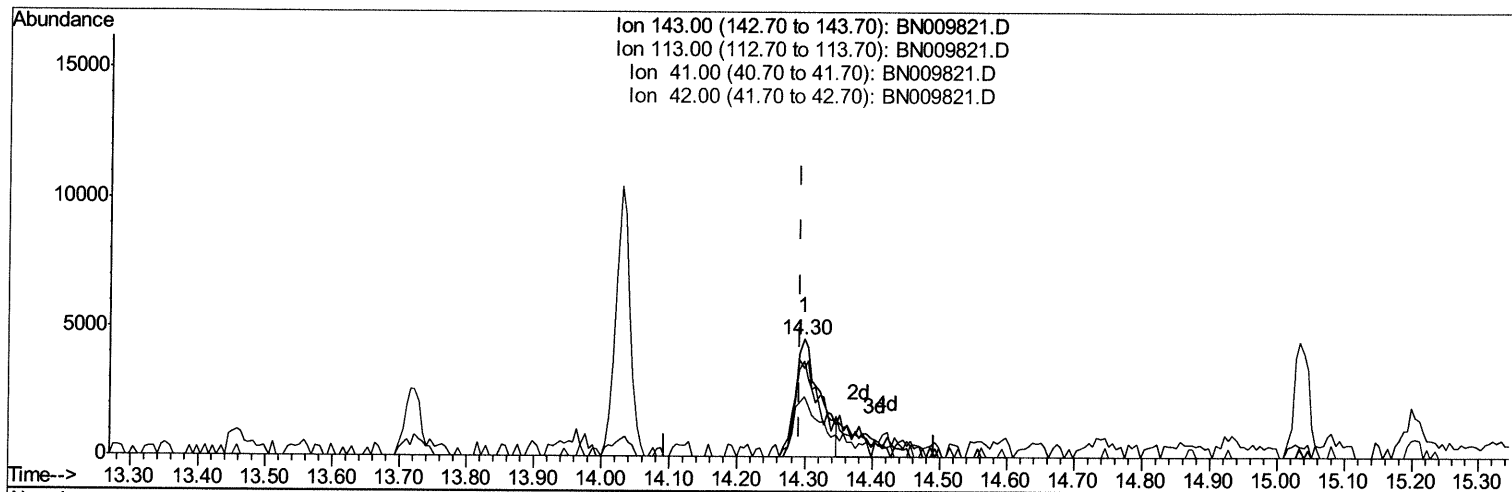
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TIC: BN009821.D

(52) 4-Nitrophenol-d4 (S)

14.298min (+0.006) 2.94ng/ui

response 11195

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 143.00 | 100   | 100    |
| 113.00 | 86.40 | 75.72  |
| 41.00  | 66.00 | 81.22# |
| 42.00  | 43.20 | 51.52  |

## Quantitation Report (Qedit)

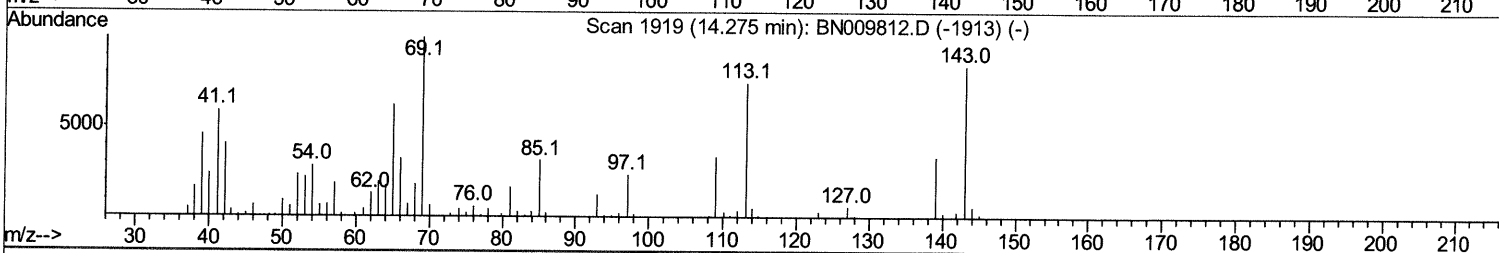
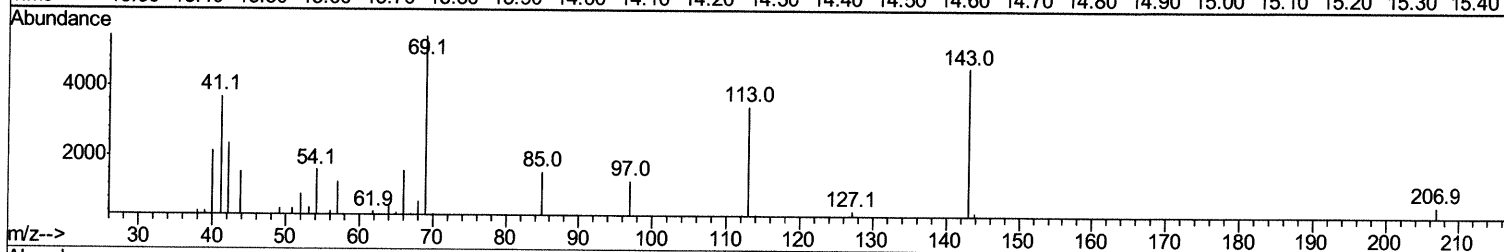
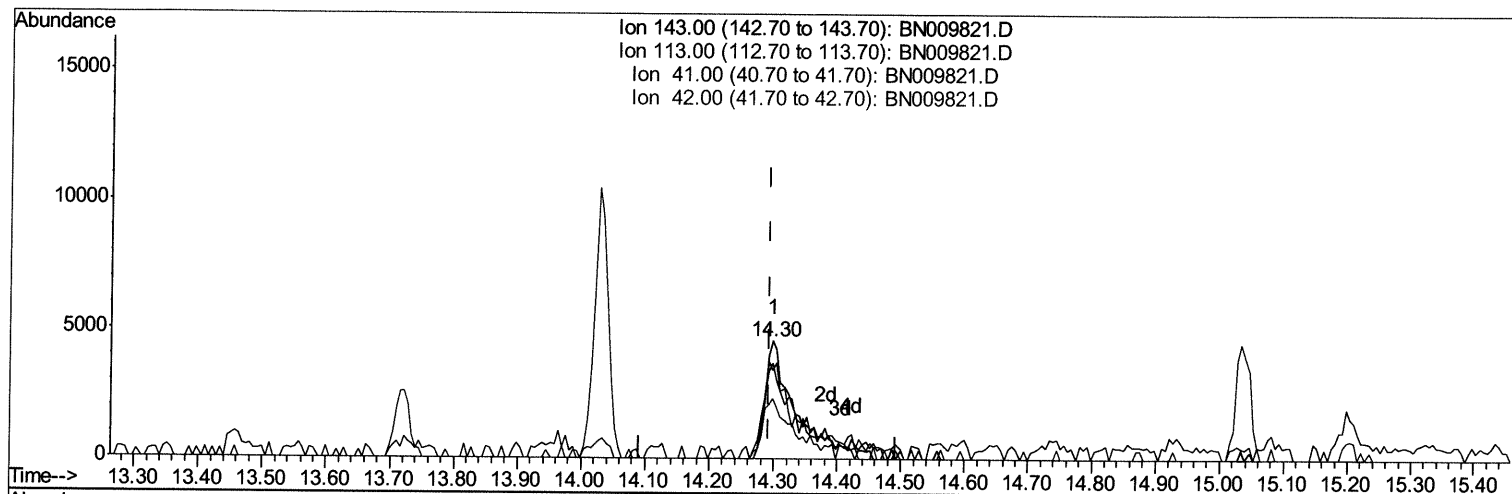
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Data File : BN009821.D  
Acq On : 21 Feb 2020 23:18  
Operator : CG/JU  
Sample : L1535-07  
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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
CB6Q5

Manual Integrations  
APPROVED

mohammad  
2/24/2020 4:48:25 PM

Quant Time: Feb 22 01:25:17 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN021220MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Feb 21 22:14:17 2020  
Response via : Initial Calibration



TIC: BN009821.D

(52) 4-Nitrophenol-d4 (S)

14.298min (+0.006) 4.13ng/ul m JU 02/25/20

response 15731

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 143.00 | 100   | 100    |
| 113.00 | 86.40 | 75.72  |
| 41.00  | 66.00 | 81.22# |
| 42.00  | 43.20 | 51.52  |

## Quantitation Report (Qedit)

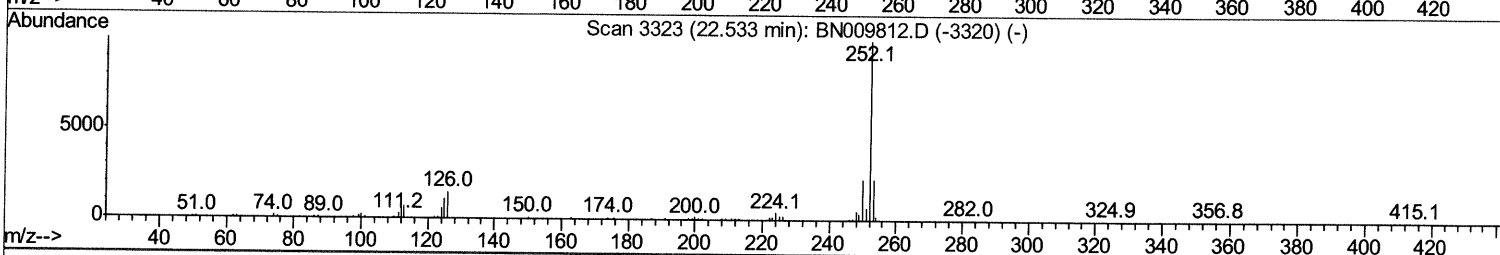
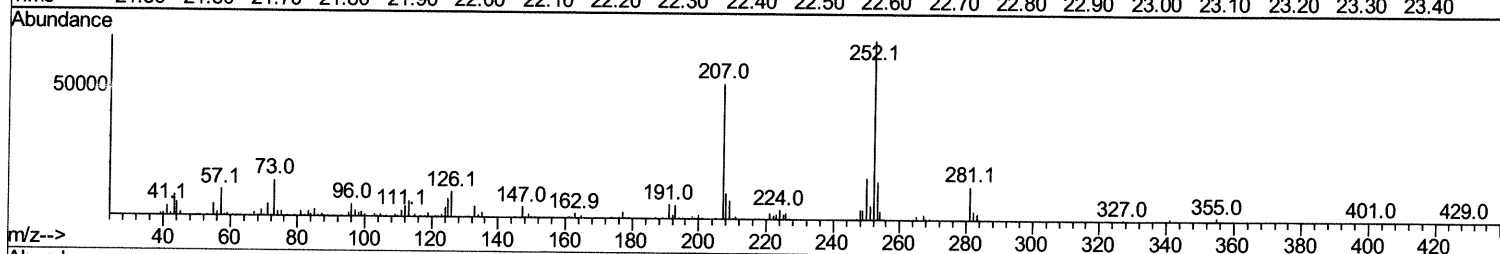
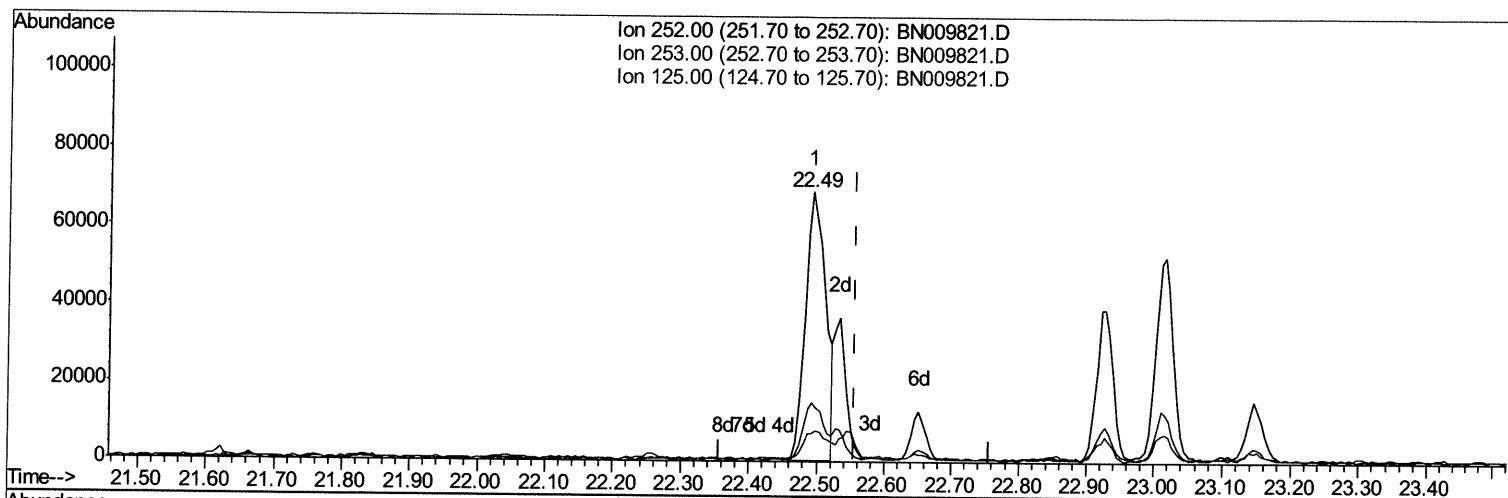
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN022220\  
Data File : BN009821.D  
Acq On : 21 Feb 2020 23:18  
Operator : CG/JU  
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Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
CB6Q5

Manual Integrations  
APPROVED

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2/24/2020 4:48:25 PM

Quant Time: Feb 22 01:34:31 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN021220MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Feb 21 22:14:17 2020  
Response via : Initial Calibration



TIC: BN009821.D

(89) Benzo(k)fluoranthene

22.492min (-0.065) 3.79ng/ul

response 144050

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.50 | 21.78 |
| 125.00 | 10.20 | 10.46 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

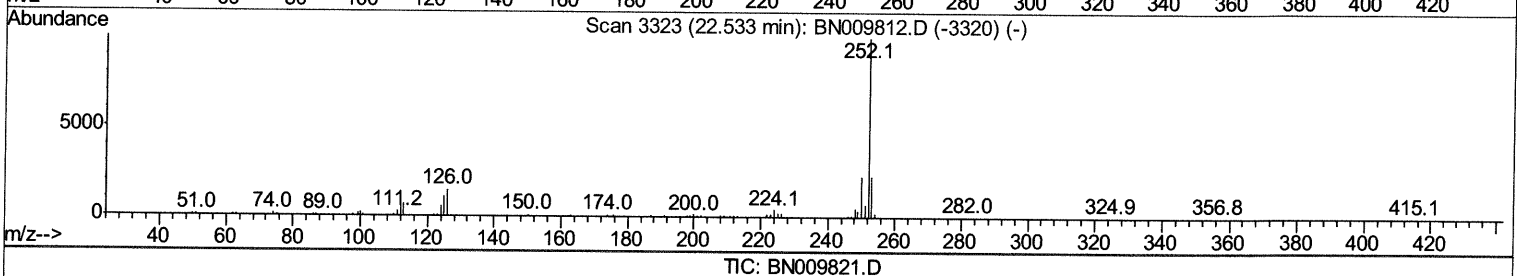
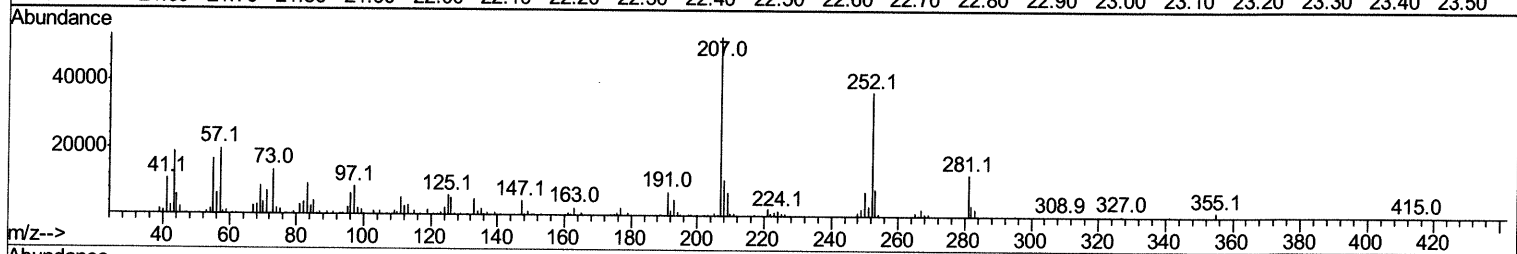
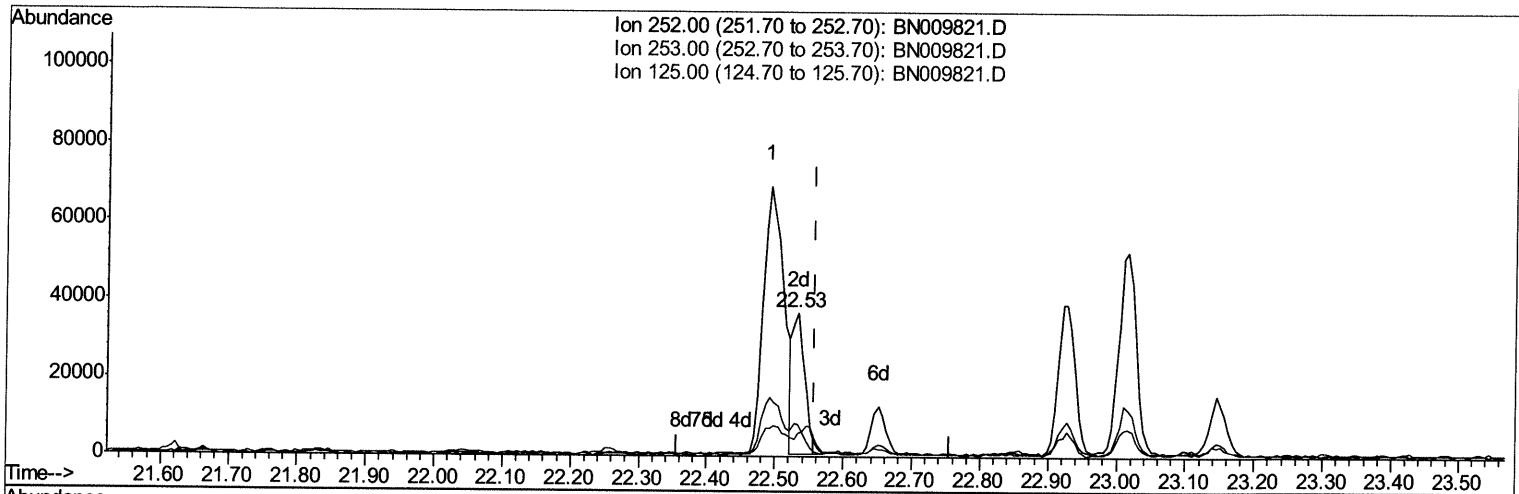
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022220\  
Data File : BN009821.D  
Acq On : 21 Feb 2020 23:18  
Operator : CG/JU  
Sample : L1535-07  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
CB6Q5

Manual Integrations  
APPROVED

mohammad  
2/24/2020 4:48:25 PM

Quant Time: Feb 22 01:34:31 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN021220MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Feb 21 22:14:17 2020  
Response via : Initial Calibration



TIC: BN009821.D

(89) Benzo(k)fluoranthene

22.533min (-0.023) 1.15ng/ul m JU 02/25/20

response 43825

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 22.50 | 22.22  |
| 125.00 | 10.20 | 16.14# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN022220\  
 Data File : BN009821.D  
 Acq On : 21 Feb 2020 23:18  
 Operator : CG/JU  
 Sample : L1535-07  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 CB6Q5

Manual Integrations  
 APPROVED

mohammad  
 2/24/2020 4:48:25 PM

Quant Time: Feb 22 01:35:53 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN021220MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Feb 21 22:14:17 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.39  | 152  | 98146    | 20.00 | ng/ul | -0.02    |
| 18) Naphthalene-d8        | 10.14 | 136  | 424807   | 20.00 | ng/ul | -0.02    |
| 36) Acenaphthene-d10      | 14.03 | 164  | 279429   | 20.00 | ng/ul | -0.02    |
| 62) Phenanthrene-d10      | 16.79 | 188  | 590693   | 20.00 | ng/ul | -0.02    |
| 78) Chrysene-d12          | 21.00 | 240  | 548812   | 20.00 | ng/ul | -0.02    |
| 86) Perylene-d12          | 23.10 | 264  | 618770   | 20.00 | ng/ul | -0.03    |

## System Monitoring Compounds

|                                |       |     |          |       |         |              |
|--------------------------------|-------|-----|----------|-------|---------|--------------|
| 3) 1,4-Dioxane-d8              | 3.03  | 96  | 3804     | 1.59  | ng/uL   | -0.02        |
| 5) Phenol-d5                   | 6.60  | 99  | 58831    | 7.05  | ng/ul   | -0.02        |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.75  | 67  | 48149    | 8.36  | ng/ul   | -0.02        |
| 9) 2-Chlorophenol-d4           | 6.93  | 132 | 49545    | 7.88  | ng/ul   | -0.02        |
| 13) 4-Methylphenol-d8          | 8.11  | 113 | 45806    | 6.90  | ng/ul   | -0.02        |
| 19) Nitrobenzene-d5            | 8.54  | 128 | 23463    | 7.55  | ng/ul   | -0.02        |
| 22) 2-Nitrophenol-d4           | 9.25  | 143 | 24490    | 7.20  | ng/ul   | -0.02        |
| 26) 2,4-Dichlorophenol-d3      | 9.79  | 165 | 48729    | 7.46  | ng/ul   | 0.00         |
| 29) 4-Chloroaniline-d4         | 10.30 | 131 | 63503    | 8.65  | ng/ul   | -0.01        |
| 44) Dimethylphthalate-d6       | 13.46 | 166 | 183021   | 8.77  | ng/ul   | -0.01        |
| 47) Acenaphthylene-d8          | 13.72 | 160 | 201566   | 8.20  | ng/ul   | -0.02        |
| 52) 4-Nitrophenol-d4           | 14.30 | 143 | 15731m > | 4.13  | ng/ul > | 0.00 5/25/20 |
| 58) Fluorene-d10               | 15.04 | 176 | 161822   | 8.98  | ng/ul   | -0.02        |
| 63) 4,6-Dinitro-2-methylphenol | 15.20 | 200 | 16196    | 4.41  | ng/ul   | 0.00         |
| 71) Anthracene-d10             | 16.89 | 188 | 240356   | 8.88  | ng/ul   | -0.02        |
| 79) Pyrene-d10                 | 19.19 | 212 | 286714   | 10.00 | ng/ul   | -0.02        |
| 90) Benzo(a)pyrene-d12         | 22.97 | 264 | 296041   | 9.58  | ng/ul   | -0.03        |

## Target Compounds

|                            |       |     |          |       | Ovalue  |         |
|----------------------------|-------|-----|----------|-------|---------|---------|
| 70) Phenanthrene           | 16.83 | 178 | 141295   | 4.191 | ng/ul   | 96      |
| 77) Fluoranthene           | 18.86 | 202 | 219689   | 5.563 | ng/ul   | 98      |
| 80) Pyrene                 | 19.23 | 202 | 210130   | 5.311 | ng/ul   | 96      |
| 83) Benzo(a)anthracene     | 20.99 | 228 | 115044   | 3.050 | ng/ul   | 97      |
| 85) Chrysene               | 21.04 | 228 | 108716   | 2.928 | ng/ul   | 98      |
| 88) Benzo(b)fluoranthene   | 22.49 | 252 | 143310   | 3.572 | ng/ul   | 99      |
| 89) Benzo(k)fluoranthene   | 22.53 | 252 | 43825m > | 1.154 | ng/ul > | 5/25/20 |
| 91) Benzo(a)pyrene         | 23.02 | 252 | 93420    | 2.589 | ng/ul#  | 96      |
| 92) Indeno(1,2,3-cd)pyrene | 25.14 | 276 | 60980    | 1.423 | ng/ul   | 94      |
| 94) Benzo(a,h,i)perylene   | 25.76 | 276 | 57064    | 1.589 | ng/ul   | 94      |

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