

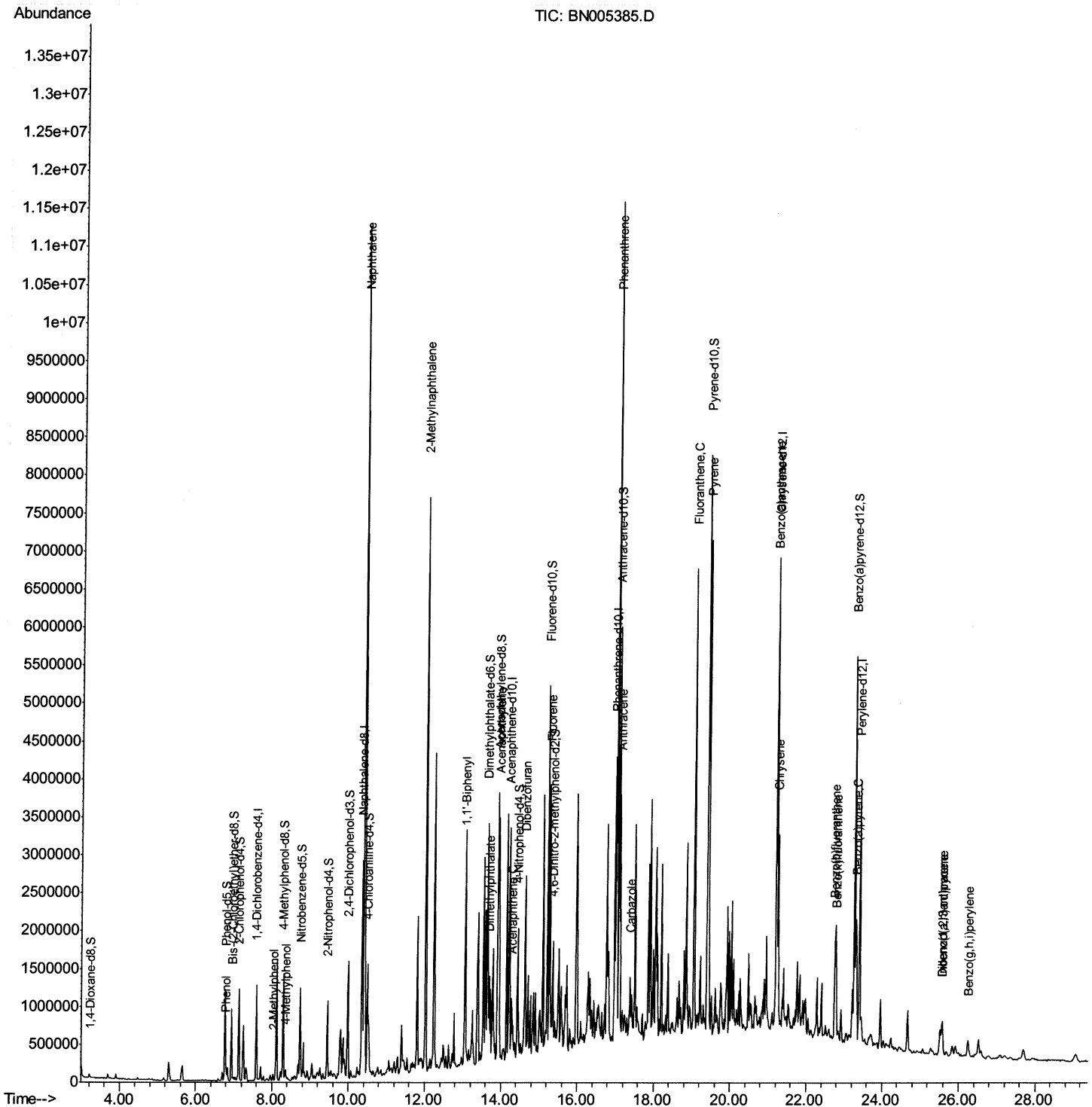
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN043019\  
Data File : BN005385.D  
Acq On : 30 Apr 2019 23:07  
Operator : JU/SJ  
Sample : K2481-22ME  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GAHX5ME

Manual Integrations  
APPROVED

Sohil  
5/1/2019 12:05:55 PM

Quant Time: May 01 07:25:09 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Apr 25 03:19:34 2019  
Response via : Initial Calibration



# Quantitation Report (Qedit)

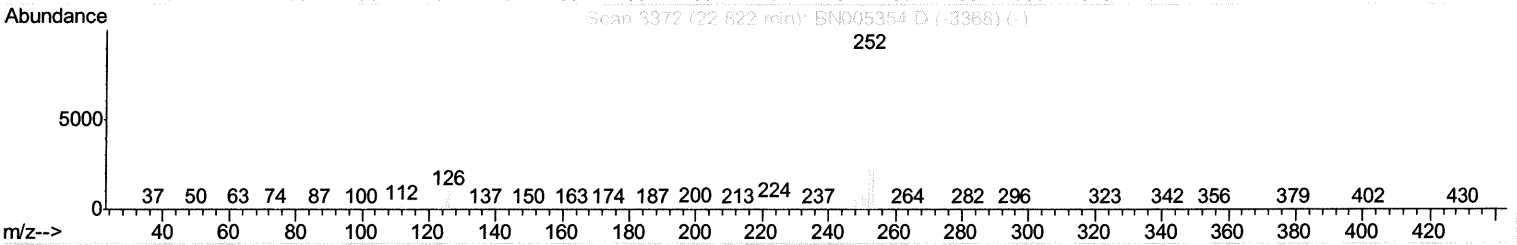
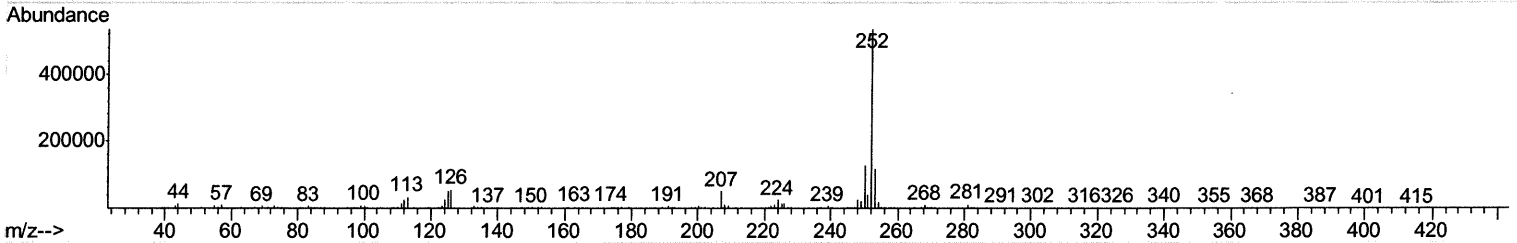
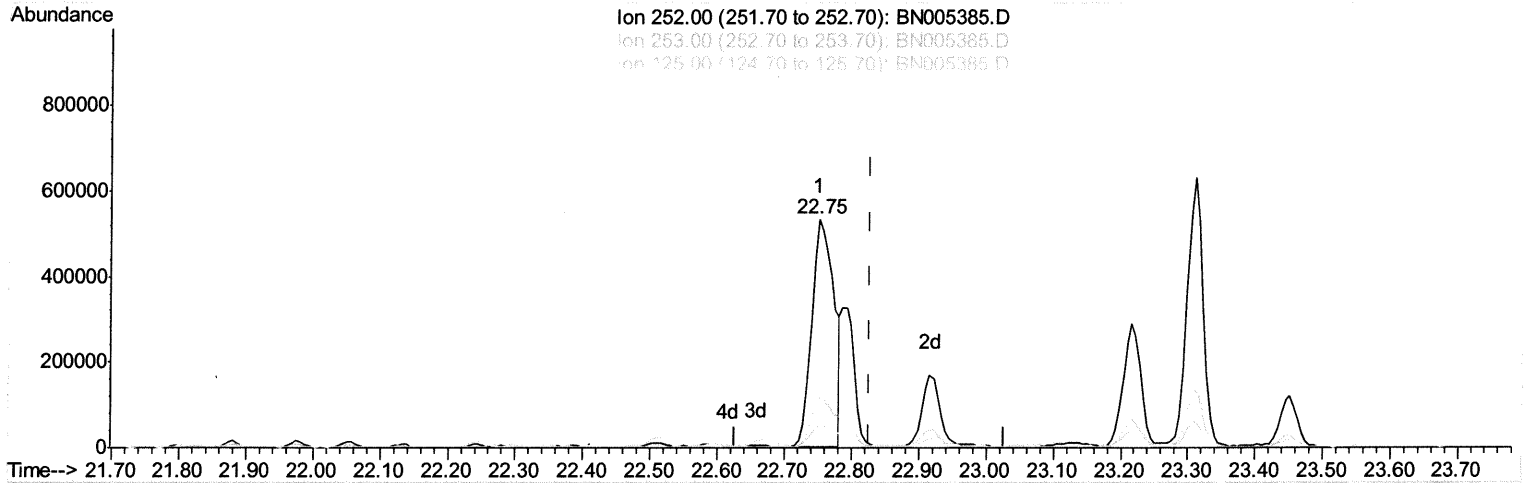
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN043019\  
 Data File : BN005385.D  
 Acq On : 30 Apr 2019 23:07  
 Operator : JU/SJ  
 Sample : K2481-22ME  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAHX5ME

Manual Integrations  
 APPROVED

Sohil  
 5/1/2019 12:05:55 PM

Quant Time: May 01 00:45:41 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Apr 25 03:19:34 2019  
 Response via : Initial Calibration



TIC: BN005385.D

(88) Benzo(k)fluoranthene

22.751min (-0.076) 9.08ng/ui

response 1220901

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.70 | 22.07 |
| 125.00 | 9.40  | 9.58  |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

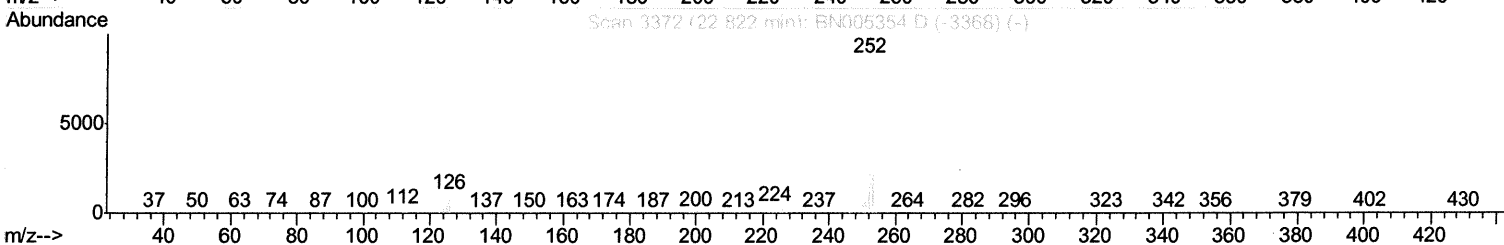
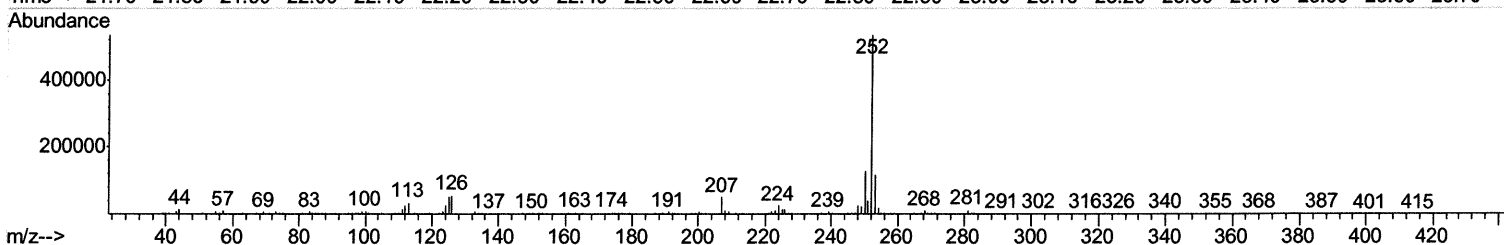
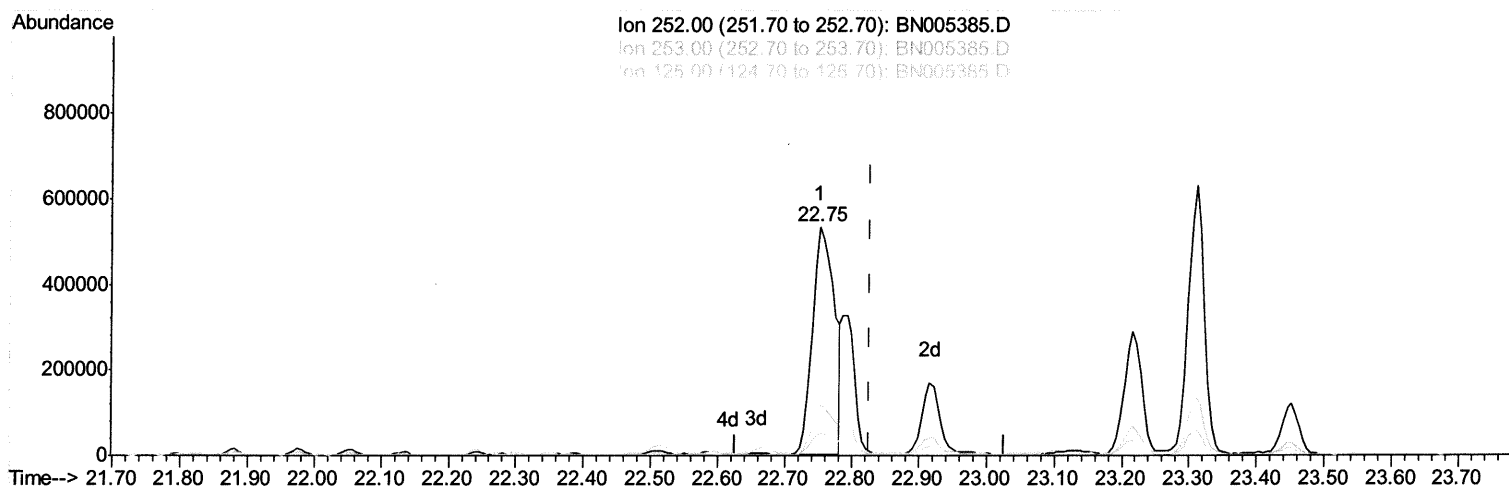
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN043019\  
Data File : BN005385.D  
Acq On : 30 Apr 2019 23:07  
Operator : JU/SJ  
Sample : K2481-22ME  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GAHX5ME

Manual Integrations  
APPROVED

Sohil  
5/1/2019 12:05:55 PM

Quant Time: May 01 00:45:41 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Apr 25 03:19:34 2019  
Response via : Initial Calibration



TIC: BN005385.D

(88) Benzo(k)fluoranthene

22.751min (-0.076) 9.08ng/ul

response 1220901

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.70 | 22.07 |
| 125.00 | 9.40  | 9.58  |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

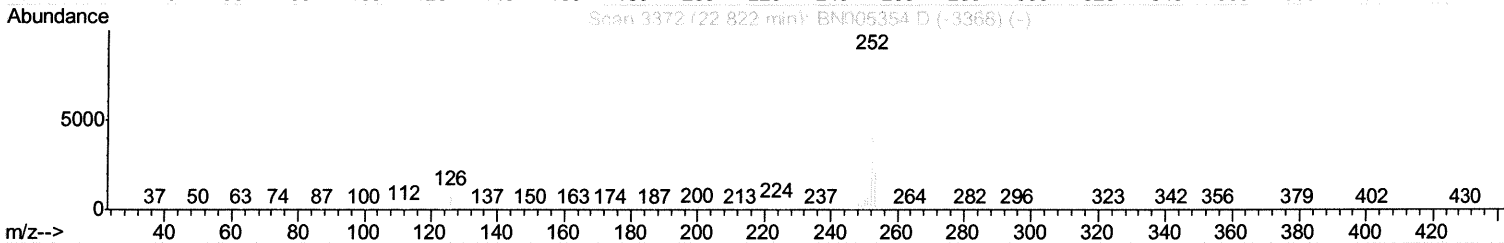
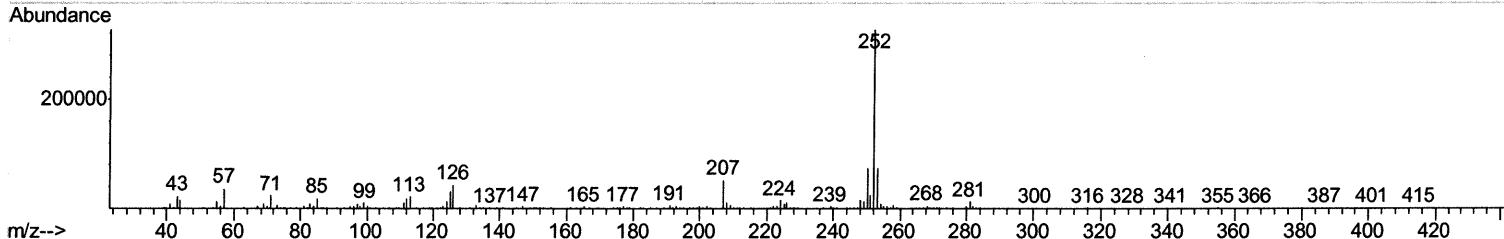
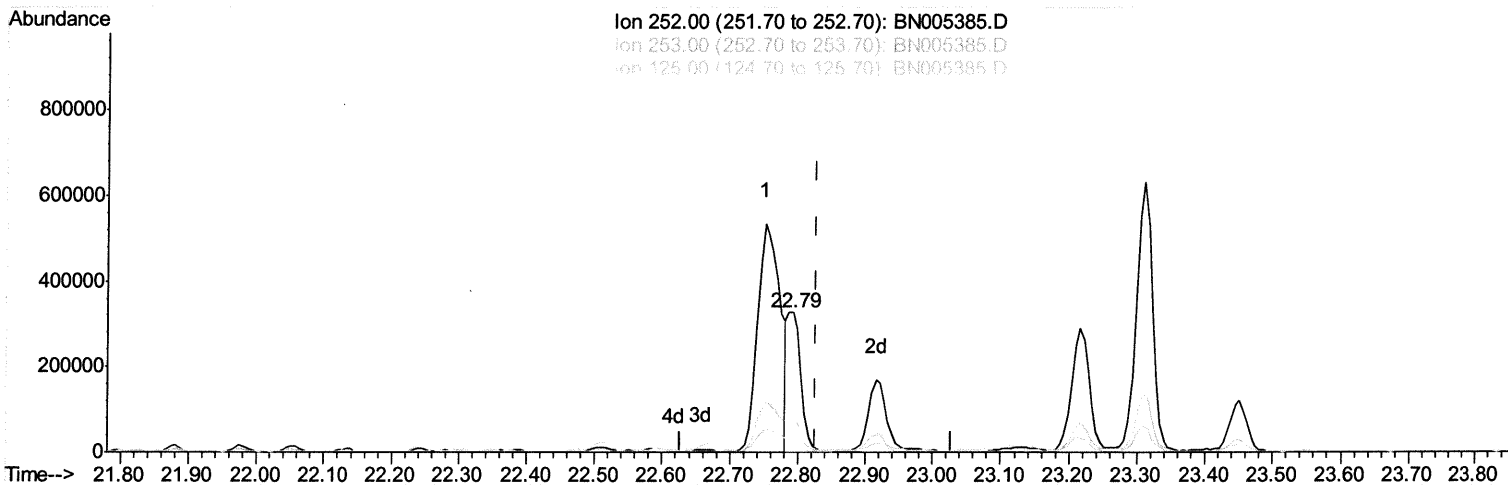
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN043019\  
 Data File : BN005385.D  
 Acq On : 30 Apr 2019 23:07  
 Operator : JU/SJ  
 Sample : K2481-22ME  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAHX5ME

Manual Integrations  
 APPROVED

Sohil  
 5/1/2019 12:05:55 PM

Quant Time: May 01 00:45:41 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Apr 25 03:19:34 2019  
 Response via : Initial Calibration



TIC: BN005385.D

(88) Benzo(k)fluoranthene

22.792min (-0.035) 3.40ng/ul m SJ 05/03/19

response 456959

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.70 | 22.41 |
| 125.00 | 9.40  | 9.68  |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN043019\  
 Data File : BN005385.D  
 Acq On : 30 Apr 2019 23:07  
 Operator : JU/SJ  
 Sample : K2481-22ME  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampled :  
 GAHX5ME

Manual Integrations  
 APPROVED

Sohil  
 5/1/2019 12:05:55 PM

Quant Time: May 01 07:25:09 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Apr 25 03:19:34 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 333768   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.35 | 136  | 1472050  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.23 | 164  | 941171   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.98 | 188  | 2264129  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.21 | 240  | 2361705  | 20.00 | ng/ul | -0.02    |
| 85) Perylene-d12          | 23.40 | 264  | 2503919  | 20.00 | ng/ul | -0.03    |

#### System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.22  | 96  | 30701   | 4.44  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.78  | 99  | 665676  | 25.39 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.94  | 67  | 401803  | 24.57 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.13  | 132 | 550563  | 27.44 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.29  | 113 | 537081  | 26.21 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.73  | 128 | 286104  | 31.58 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.45  | 143 | 334406  | 36.41 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 9.98  | 165 | 578840  | 27.49 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.49 | 131 | 790471  | 36.41 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.65 | 166 | 2030606 | 29.72 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 13.92 | 160 | 2458659 | 29.30 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.43 | 143 | 334304  | 30.99 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.23 | 176 | 1758820 | 30.67 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.36 | 200 | 329246  | 32.33 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.08 | 188 | 2915178 | 30.71 | ng/ul | 0.00  |
| 78) Pyrene-d10                 | 19.39 | 212 | 3589507 | 29.71 | ng/ul | 0.00  |
| 89) Benzo(a)pyrene-d12         | 23.27 | 264 | 3504271 | 32.02 | ng/ul | -0.03 |

#### Target Compounds

|                            |       |     |          |               | Qvalue |
|----------------------------|-------|-----|----------|---------------|--------|
| 6) Phenol                  | 6.80  | 94  | 69242    | 2.568 ng/ul   | 98     |
| 11) 2-Methylphenol         | 8.03  | 108 | 22607    | 1.119 ng/ul   | 98     |
| 16) 4-Methylphenol         | 8.36  | 108 | 48730    | 2.233 ng/ul   | 98     |
| 28) Naphthalene            | 10.41 | 128 | 9091494  | 132.852 ng/ul | 99     |
| 34) 2-Methylnaphthalene    | 12.02 | 142 | 3726901  | 74.378 ng/ul  | 98     |
| 40) 1,1'-Biphenyl          | 13.05 | 154 | 485869   | 6.929 ng/ul   | 97     |
| 44) Dimethylphthalate      | 13.69 | 163 | 412755   | 6.063 ng/ul   | 99     |
| 47) Acenaphthylene         | 13.95 | 152 | 1793271  | 21.746 ng/ul  | 98     |
| 49) Acenaphthene           | 14.29 | 153 | 300595   | 5.339 ng/ul   | 98     |
| 53) Dibenzofuran           | 14.63 | 168 | 1120483  | 13.823 ng/ul  | 99     |
| 58) Fluorene               | 15.28 | 166 | 1569838  | 24.820 ng/ul  | 96     |
| 69) Phenanthrene           | 17.03 | 178 | 6793859  | 61.613 ng/ul  | 99     |
| 71) Anthracene             | 17.12 | 178 | 1951748  | 17.375 ng/ul  | 98     |
| 74) Carbazole              | 17.39 | 167 | 454627   | 4.711 ng/ul   | 98     |
| 76) Fluoranthene           | 19.06 | 202 | 3829302  | 31.309 ng/ul  | 96     |
| 79) Pyrene                 | 19.42 | 202 | 3613249  | 23.762 ng/ul  | 96     |
| 82) Benzo(a)anthracene     | 21.19 | 228 | 1759021  | 11.972 ng/ul  | 95     |
| 84) Chrysene               | 21.25 | 228 | 1418683  | 10.404 ng/ul  | 97     |
| 87) Benzo(b)fluoranthene   | 22.75 | 252 | 1220901  | 8.674 ng/ul   | 99     |
| 88) Benzo(k)fluoranthene   | 22.79 | 252 | 456959m> | 3.399 ng/ul   | 99     |
| 90) Benzo(a)pyrene         | 23.31 | 252 | 1030231  | 7.787 ng/ul   | 99     |
| 91) Indeno(1,2,3-cd)pyrene | 25.57 | 276 | 407121   | 2.783 ng/ul   | 96     |
| 92) Dibenzo(a,h)anthracene | 25.57 | 278 | 130116   | 1.048 ng/ul#  | 82     |

→ SJ 05/03/19

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN043019\  
Data File : BN005385.D  
Acq On : 30 Apr 2019 23:07  
Operator : JU/SJ  
Sample : K2481-22ME  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GAHX5ME

Manual Integrations  
APPROVED

Sohil  
5/1/2019 12:05:55 PM

Quant Time: May 01 07:25:09 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Apr 25 03:19:34 2019  
Response via : Initial Calibration

| Internal Standards       | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------|-------|------|----------|-------|-------|----------|
| 93) Benzo(g,h,i)perylene | 26.24 | 276  | 253735   | 2.098 | ng/ul | 98       |

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