

# Quantitation Report (QT Reviewed)

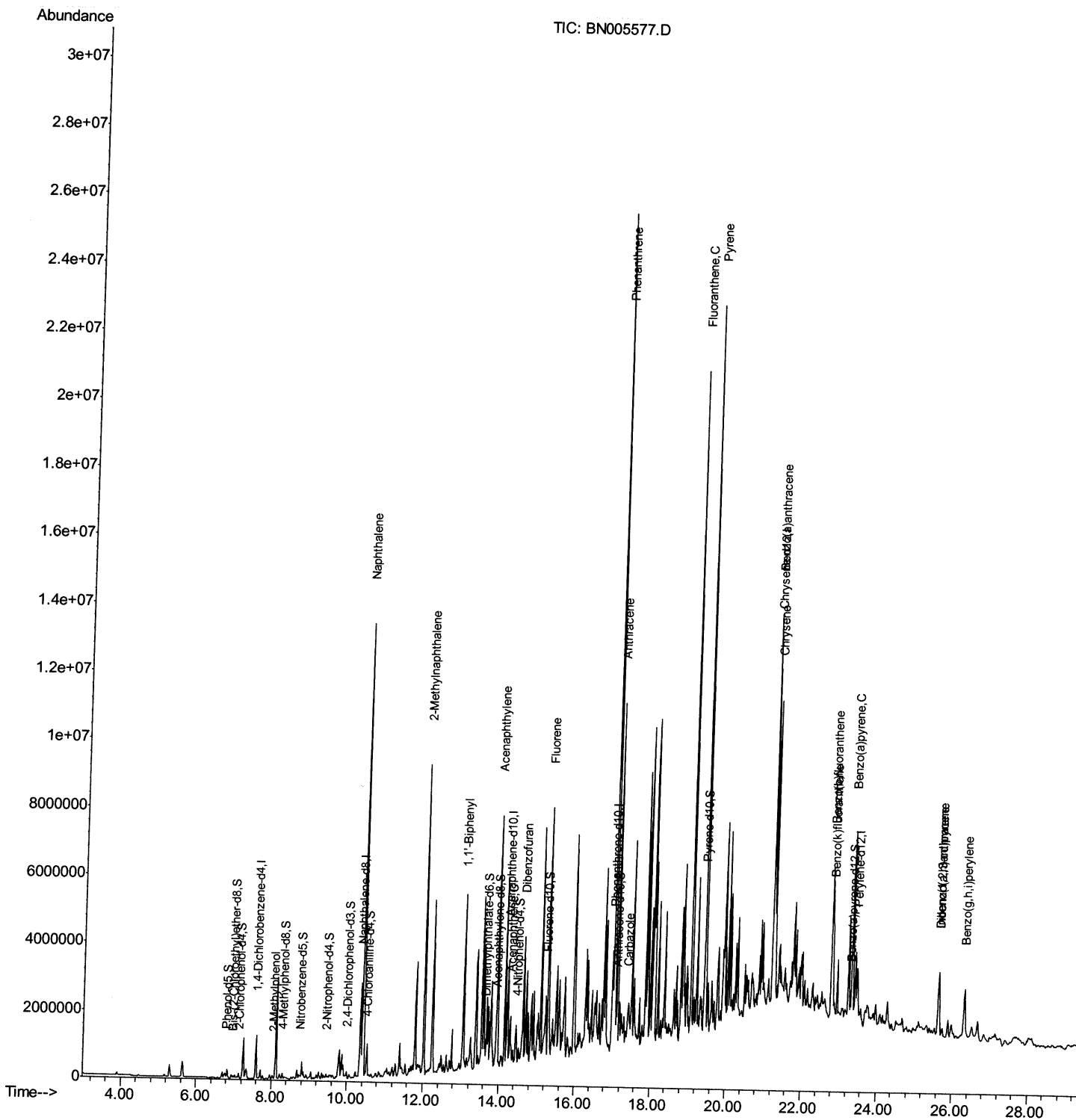
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN050919\  
 Data File : BN005577.D  
 Acq On : 09 May 2019 21:44  
 Operator : JU/SJ  
 Sample : K2604-02 10X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAJ76

Manual Integrations  
 APPROVED

Sohil  
 5/10/2019 1:19:40 PM

Quant Time: May 10 02:24:38 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 07 05:36:07 2019  
 Response via : Initial Calibration



# Quantitation Report (Qedit)

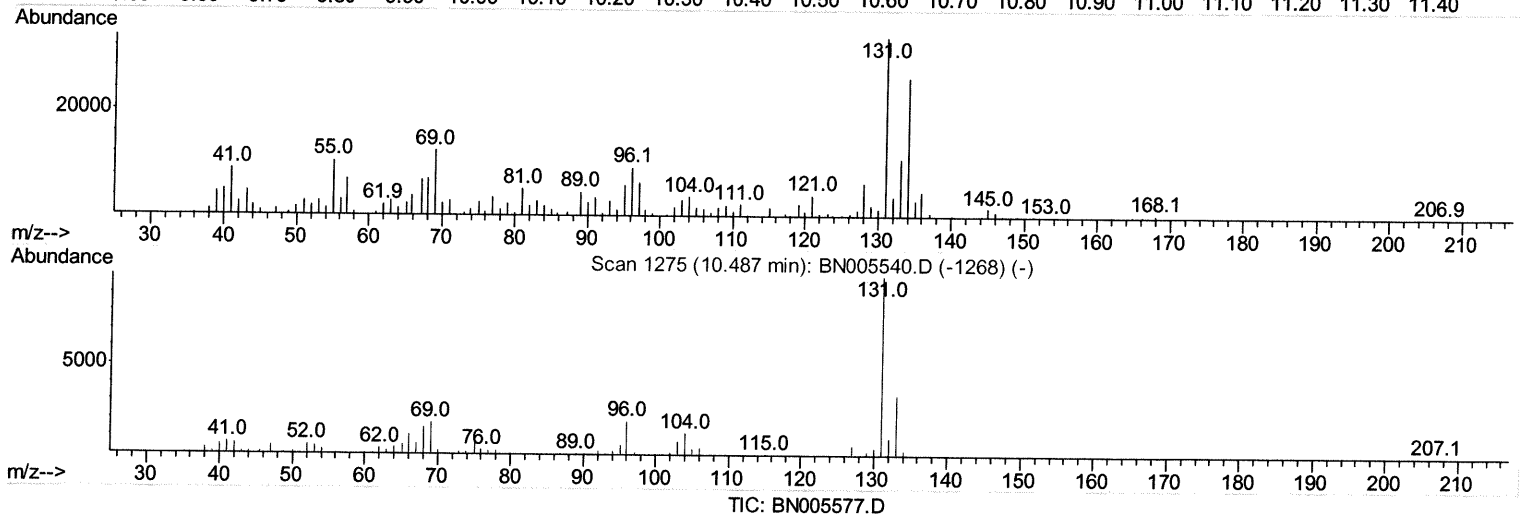
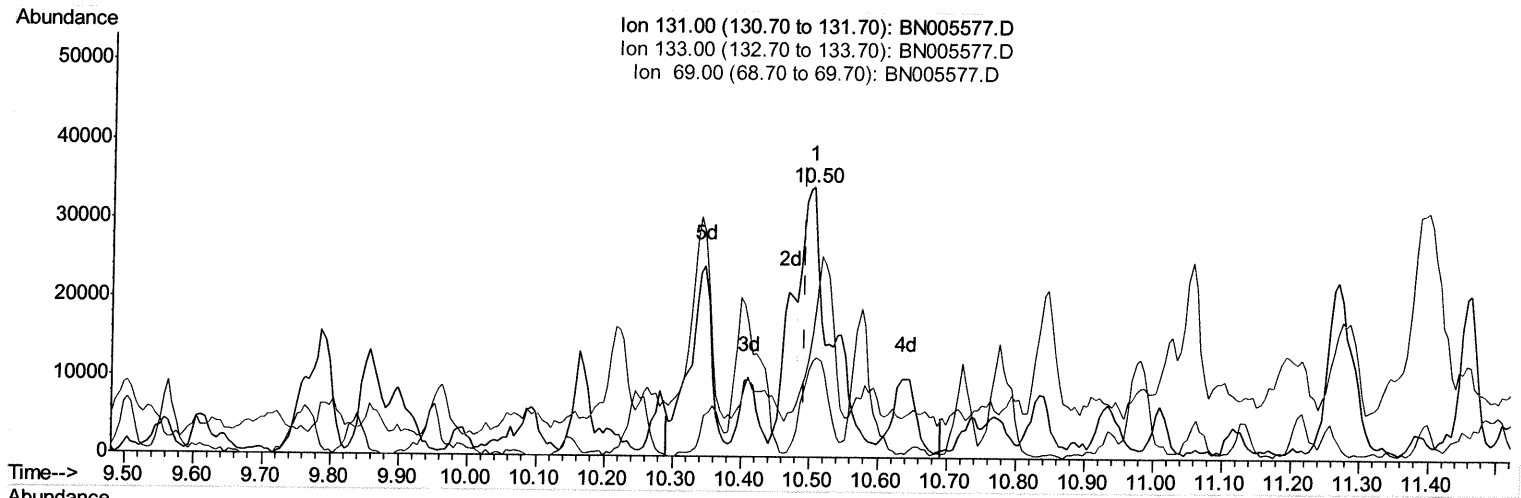
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\  
 Data File : BN005577.D  
 Acq On : 09 May 2019 21:44  
 Operator : JU/SJ  
 Sample : K2604-02 10X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampled :  
 GAJ76

Manual Integrations  
 APPROVED

Sohil  
 5/10/2019 1:19:40 PM

Quant Time: May 10 02:18:34 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 07 05:36:07 2019  
 Response via : Initial Calibration



(29) 4-Chloroaniline-d4 (S)

10.504min (+0.012) 1.46ng/ul

response 32036

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 131.00 | 100   | 100    |
| 133.00 | 33.60 | 35.65  |
| 69.00  | 18.90 | 45.19# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

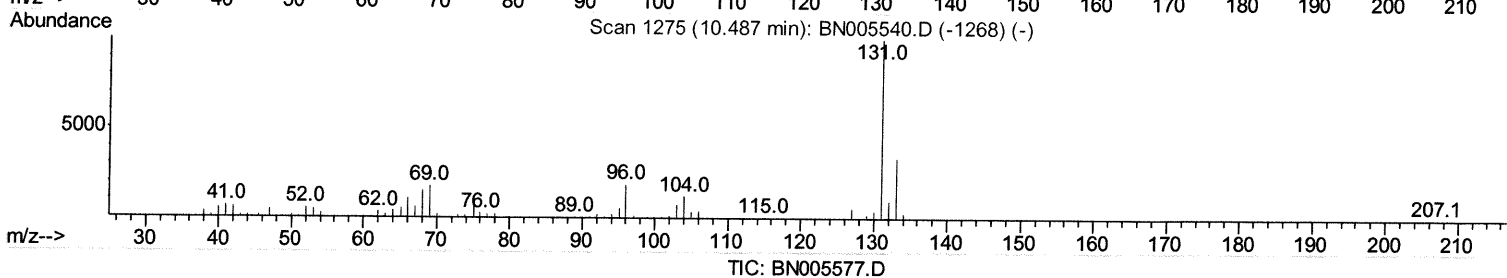
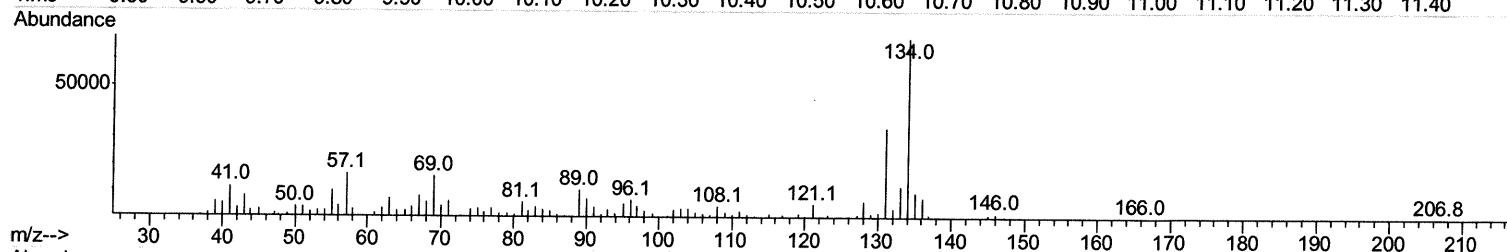
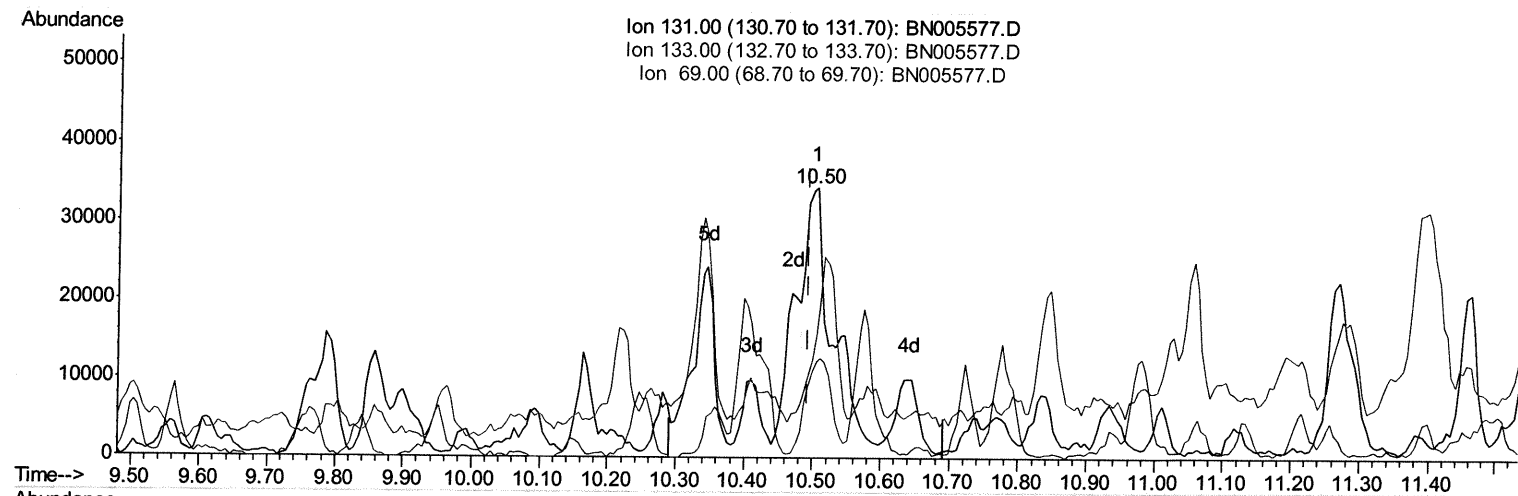
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\  
 Data File : BN005577.D  
 Acq On : 09 May 2019 21:44  
 Operator : JU/SJ  
 Sample : K2604-02 10X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAJ76

Manual Integrations  
 APPROVED

Sohil  
 5/10/2019 1:19:40 PM

Quant Time: May 10 02:18:34 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 07 05:36:07 2019  
 Response via : Initial Calibration



TIC: BN005577.D

(29) 4-Chloroaniline-d4 (S)

10.504min (+0.012) 1.37ng/ul m SJ 05/12/19

response 30023

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 131.00 | 100   | 100    |
| 133.00 | 33.60 | 35.65  |
| 69.00  | 18.90 | 45.19# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

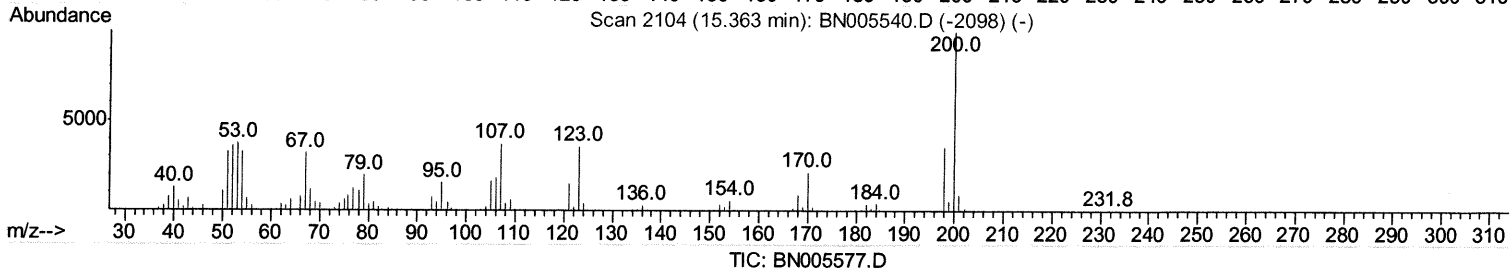
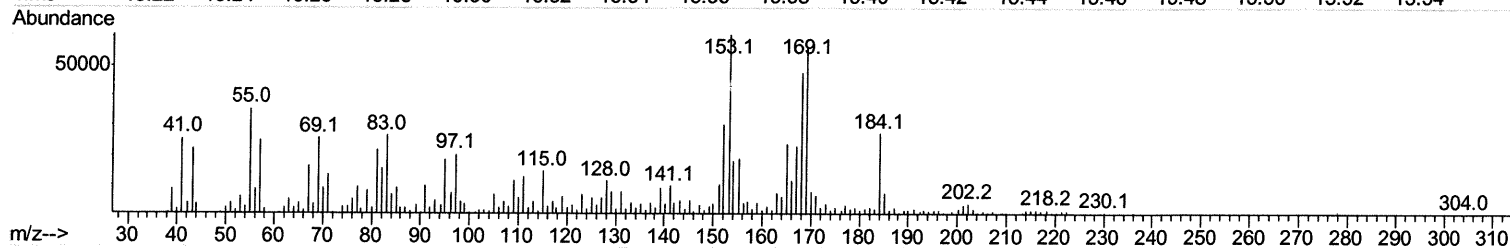
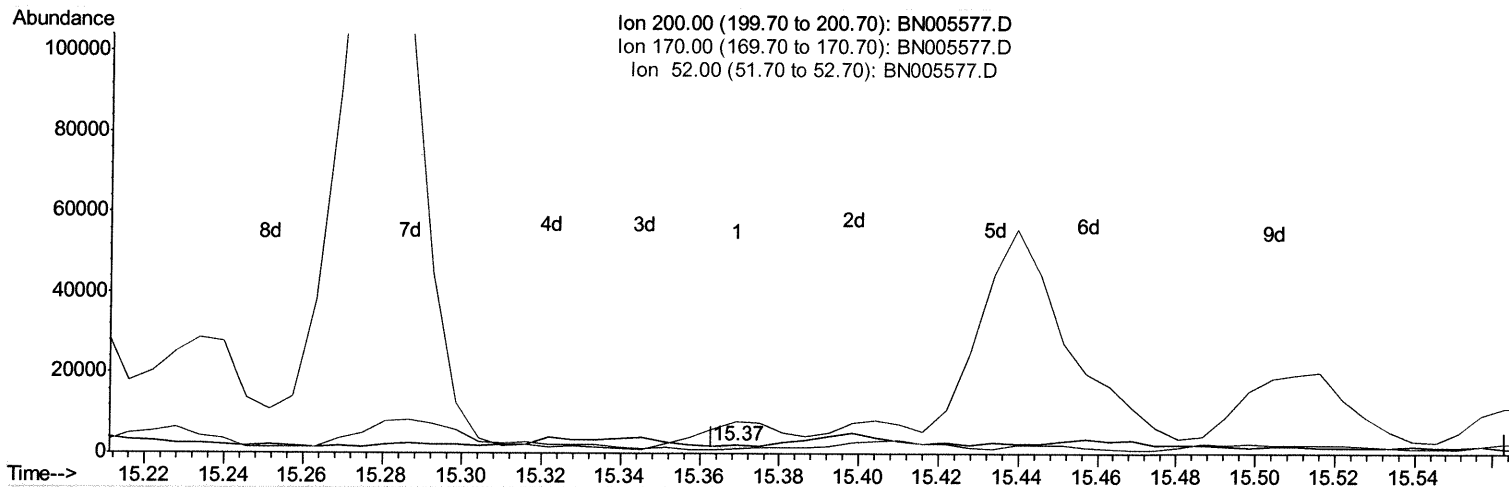
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\  
 Data File : BN005577.D  
 Acq On : 09 May 2019 21:44  
 Operator : JU/SJ  
 Sample : K2604-02 10X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampled :  
 GAJ76

Manual Integrations  
 APPROVED

Sohil  
 5/10/2019 1:19:40 PM

Quant Time: May 10 02:18:34 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 07 05:36:07 2019  
 Response via : Initial Calibration



(62) 4,6-Dinitro-2-methylphenol-d2 (S)

15.369min (+0.006) 0.03ng/ul

response 232

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 200.00 | 100   | 100     |
| 170.00 | 22.60 | 390.35# |
| 52.00  | 49.60 | 68.77#  |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

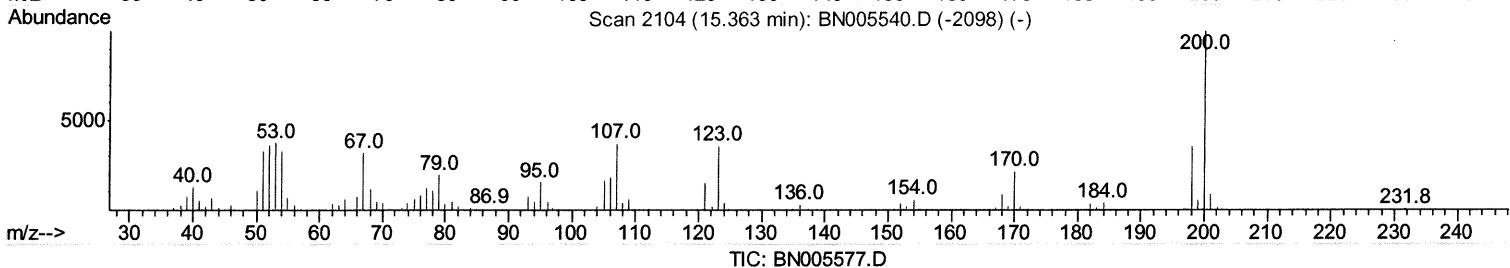
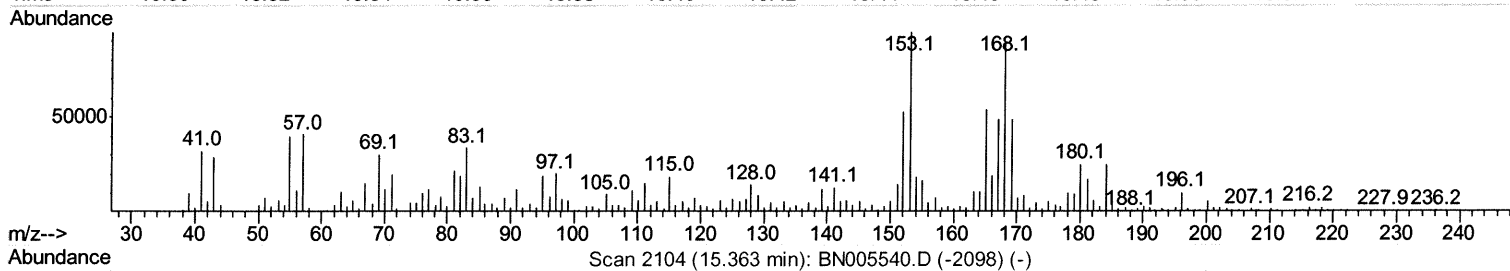
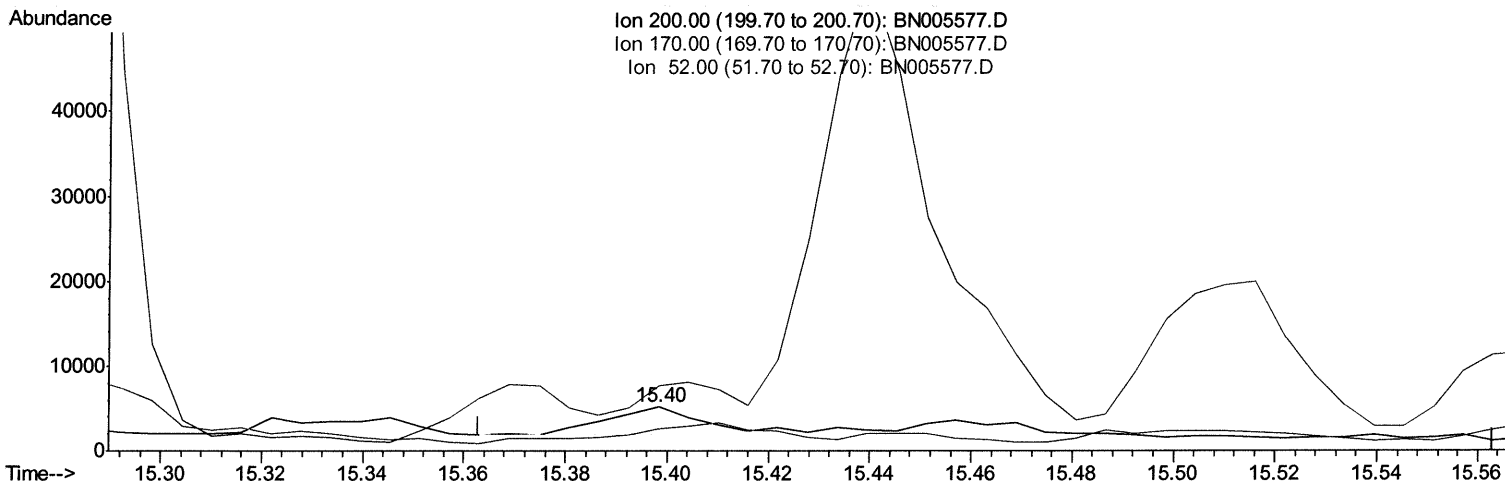
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN050919\  
 Data File : BN005577.D  
 Acq On : 09 May 2019 21:44  
 Operator : JU/SJ  
 Sample : K2604-02 10X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAJ76

Manual Integrations  
 APPROVED

Sohil  
 5/10/2019 1:19:40 PM

Quant Time: May 10 02:18:34 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 07 05:36:07 2019  
 Response via : Initial Calibration



(62) 4,6-Dinitro-2-methylphenol-d2 (S)

15.398min (+0.035) 0.49ng/ul m

*SJ 05/12/19*

response 4275

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 200.00 | 100   | 100     |
| 170.00 | 22.60 | 147.29# |
| 52.00  | 49.60 | 50.95   |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

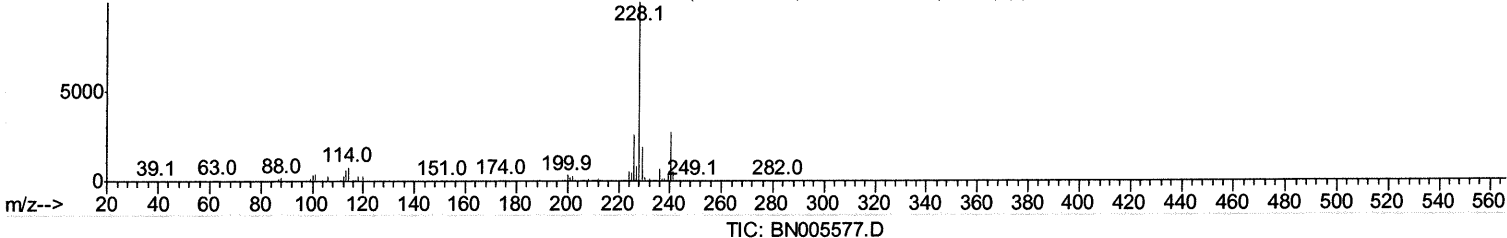
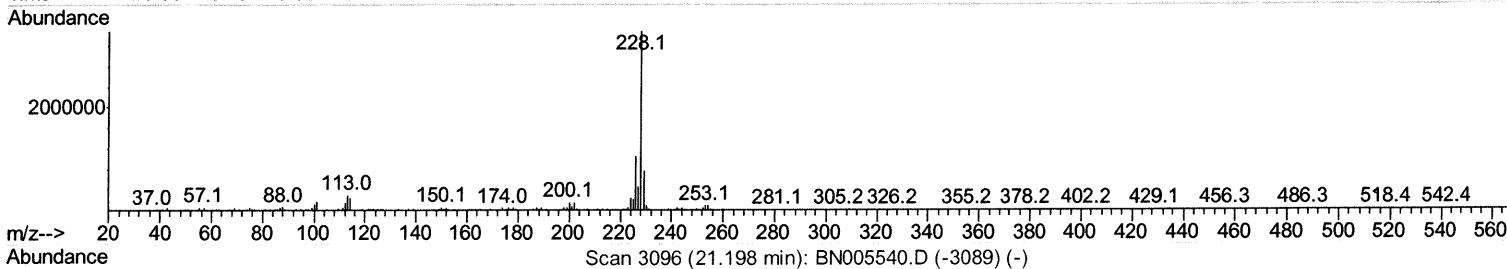
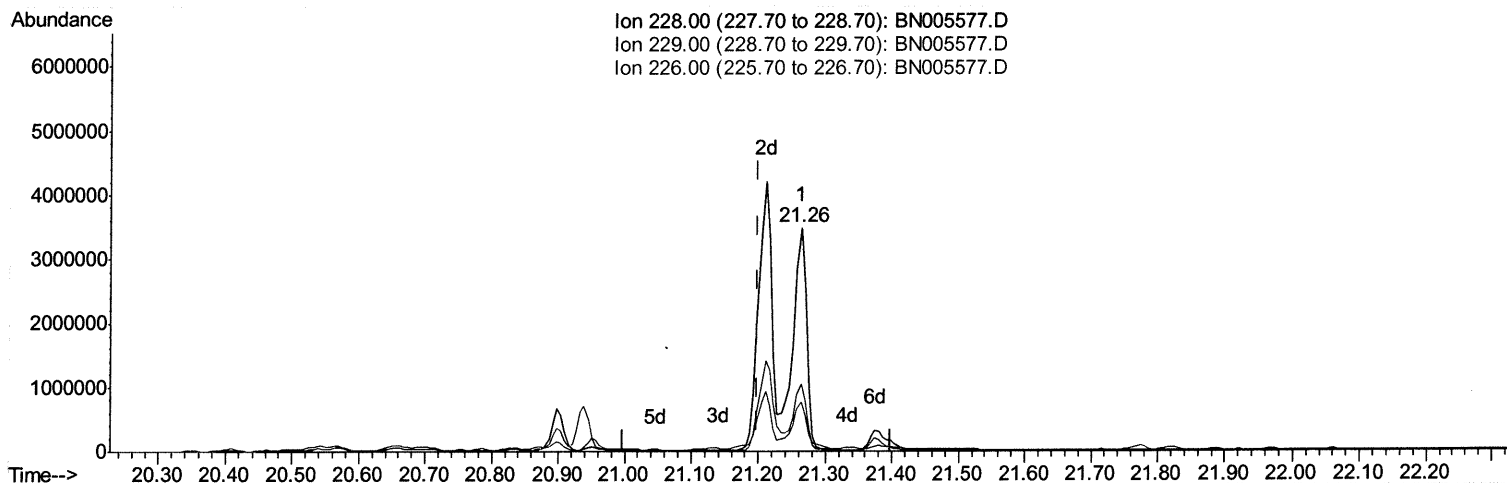
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN050919\  
 Data File : BN005577.D  
 Acq On : 09 May 2019 21:44  
 Operator : JU/SJ  
 Sample : K2604-02 10X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAJ76

Manual Integrations  
 APPROVED

Sohil  
 5/10/2019 1:19:40 PM

Quant Time: May 10 02:18:34 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 07 05:36:07 2019  
 Response via : Initial Calibration



(82) Benzo(a)anthracene

21.263min (+0.065) 60.82ng/ul

response 4929908

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 229.00 | 19.70 | 22.07 |
| 226.00 | 26.80 | 30.41 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

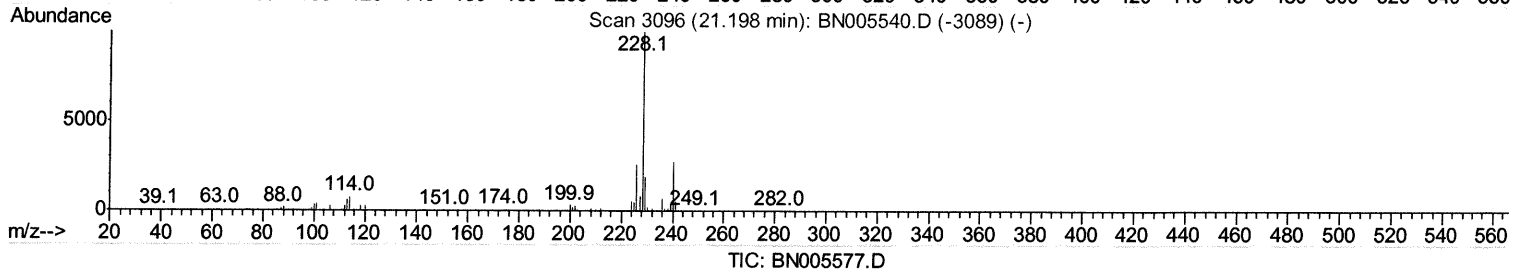
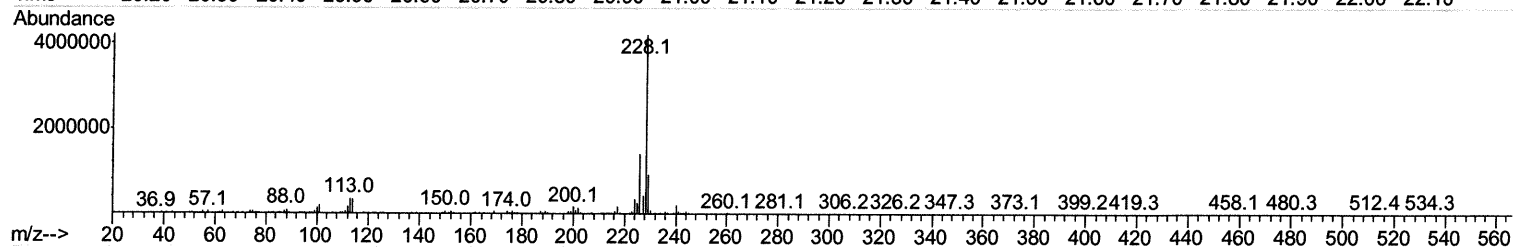
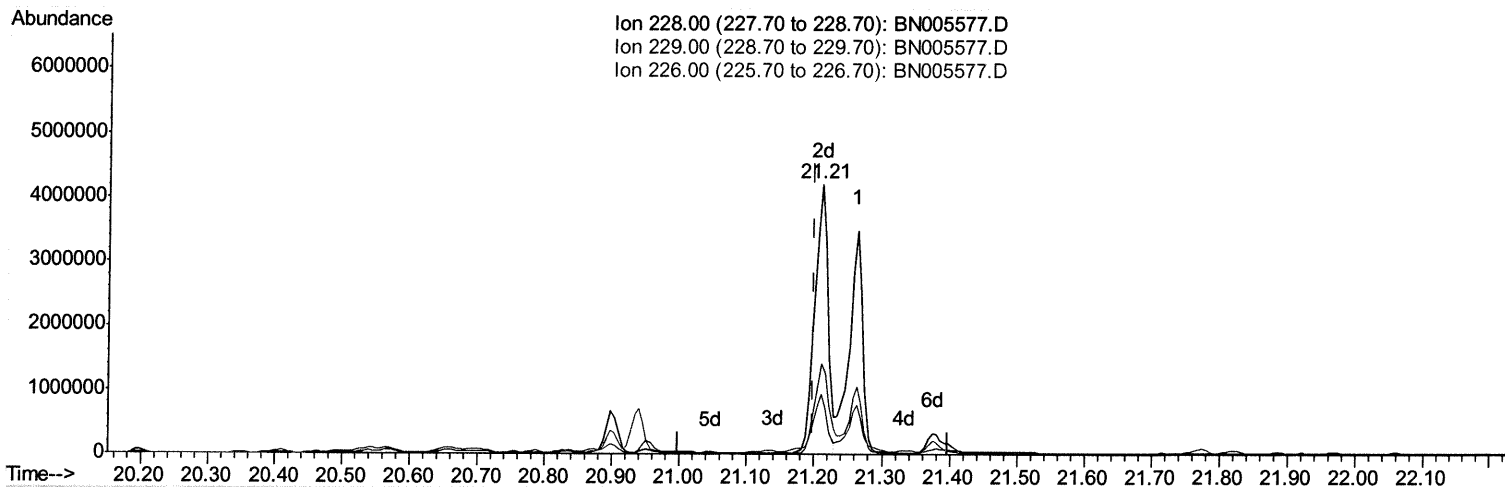
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN050919\  
 Data File : BN005577.D  
 Acq On : 09 May 2019 21:44  
 Operator : JU/SJ  
 Sample : K2604-02 10X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAJ76

Manual Integrations  
 APPROVED

Sohil  
 5/10/2019 1:19:40 PM

Quant Time: May 10 02:18:34 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 07 05:36:07 2019  
 Response via : Initial Calibration



(82) Benzo(a)anthracene

21.210min (+0.012) 71.05ng/ul m *SJ 05/12/19*

response 5758787

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 229.00 | 19.70 | 22.21  |
| 226.00 | 26.80 | 33.46# |
| 0.00   | 0.00  | 0.00   |



# Quantitation Report (Qedit)

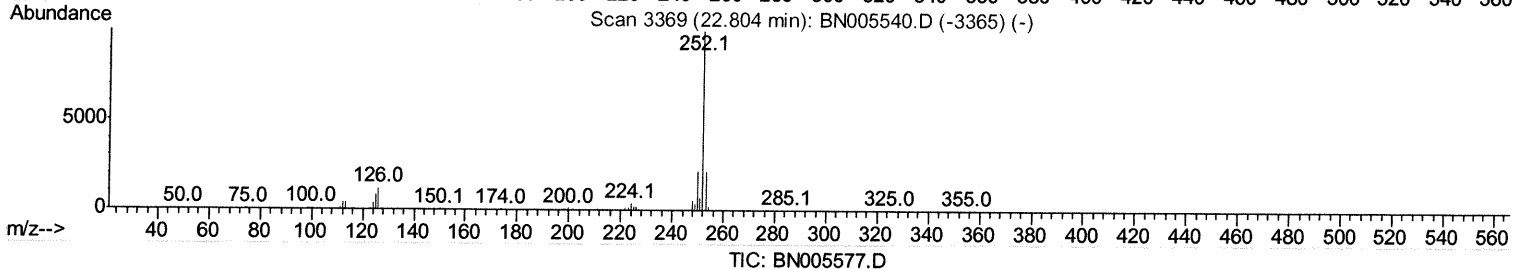
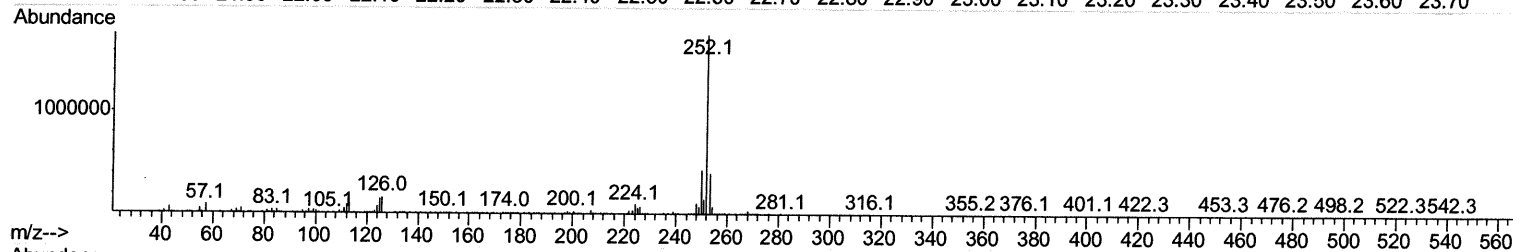
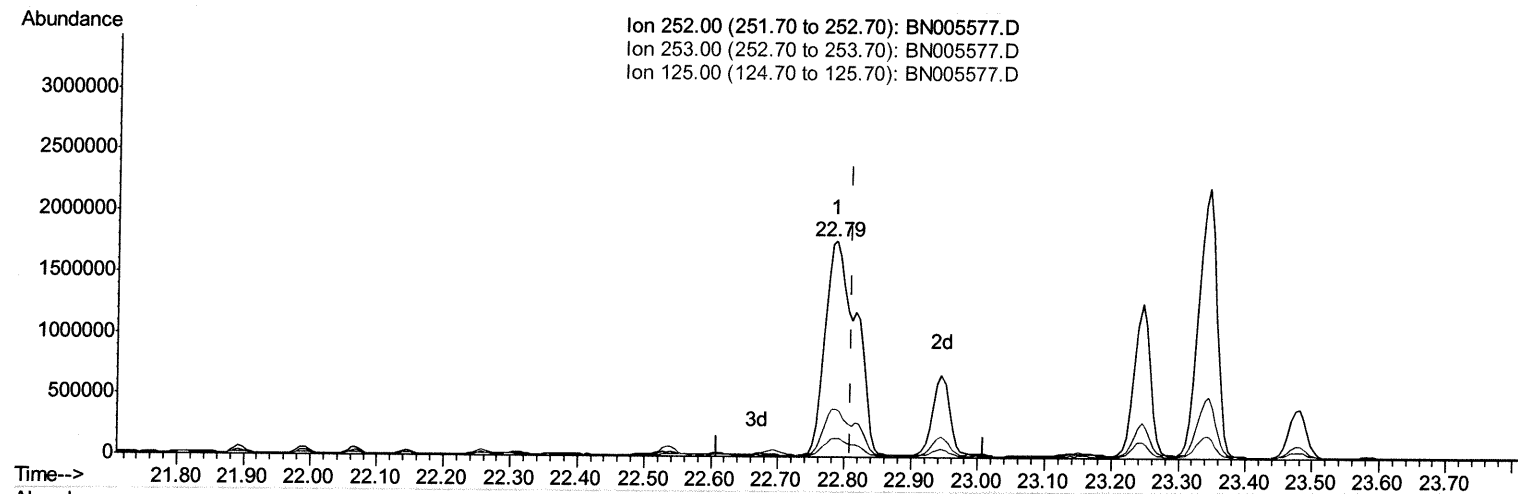
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\  
 Data File : BN005577.D  
 Acq On : 09 May 2019 21:44  
 Operator : JU/SJ  
 Sample : K2604-02 10X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAJ76

Manual Integrations  
 APPROVED

Sohil  
 5/10/2019 1:19:40 PM

Quant Time: May 10 02:18:34 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 07 05:36:07 2019  
 Response via : Initial Calibration



(88) Benzo(k)fluoranthene

22.786min (-0.023) 55.14ng/ul

response 4302786

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.70 | 22.45 |
| 125.00 | 9.40  | 8.59  |
| 0.00   | 0.00  | 0.00  |



# Quantitation Report (Qedit)

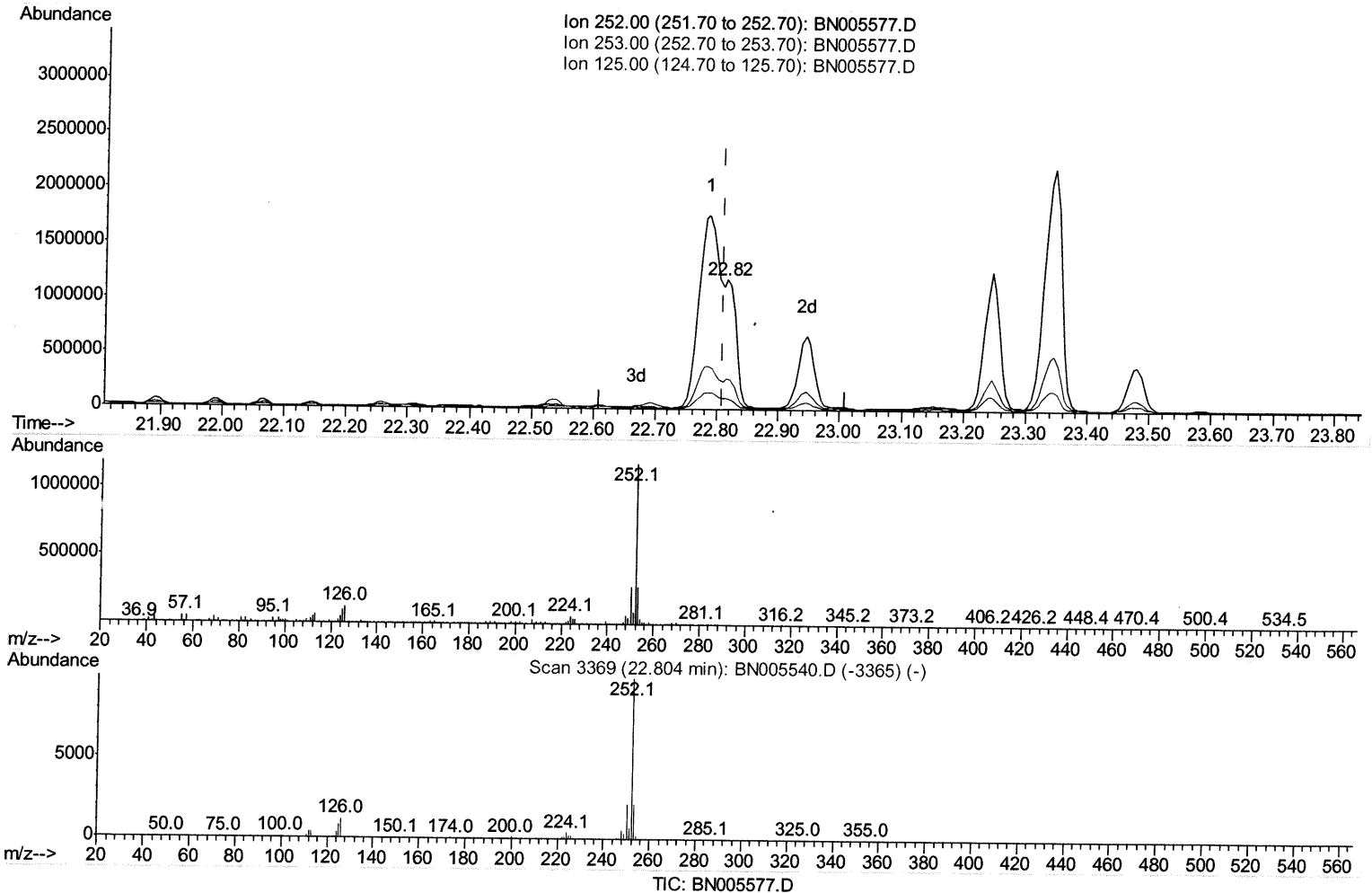
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\  
 Data File : BN005577.D  
 Acq On : 09 May 2019 21:44  
 Operator : JU/SJ  
 Sample : K2604-02 10X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAJ76

Manual Integrations  
 APPROVED

Sohil  
 5/10/2019 1:19:40 PM

Quant Time: May 10 02:18:34 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 07 05:36:07 2019  
 Response via : Initial Calibration



(88) Benzo(k)fluoranthene

22.816min (+0.006) 17.43ng/ul m *SJ 05/10/19*

response 1360223

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.70 | 23.54 |
| 125.00 | 9.40  | 8.18  |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

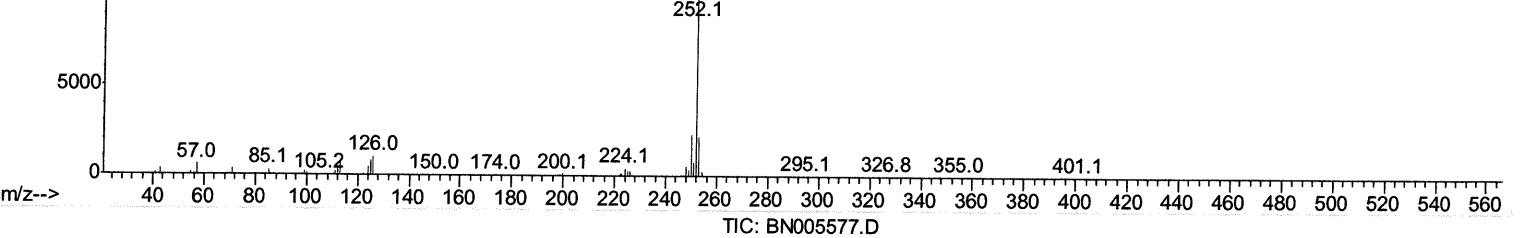
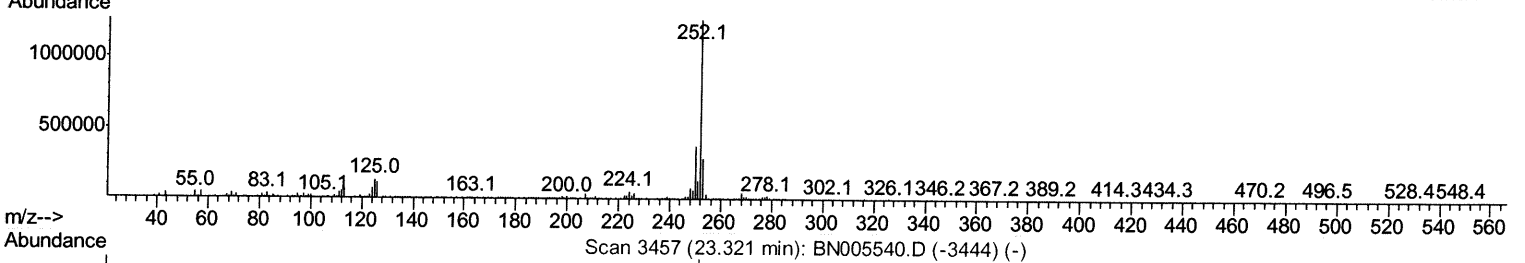
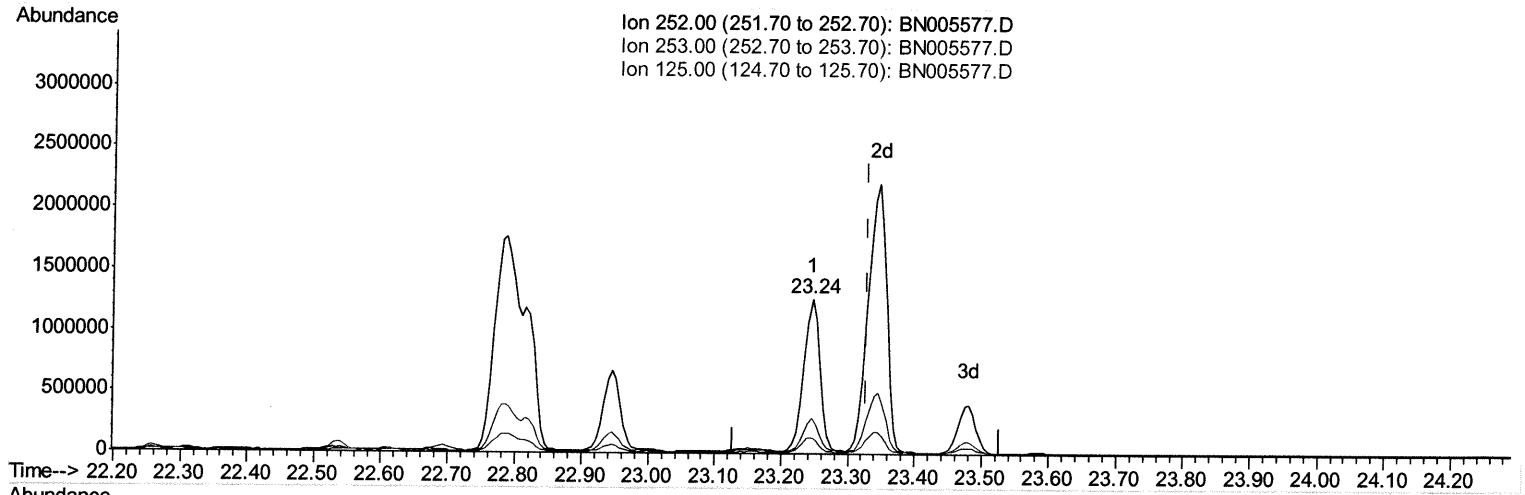
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\  
 Data File : BN005577.D  
 Acq On : 09 May 2019 21:44  
 Operator : JU/SJ  
 Sample : K2604-02 10X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

**Instrument :**  
 BNA\_N  
**ClientSampleId :**  
 GAJ76

**Manual Integrations**  
**APPROVED**

Sohil  
 5/10/2019 1:19:40 PM

Quant Time: May 10 02:18:34 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 07 05:36:07 2019  
 Response via : Initial Calibration



(90) Benzo(a)pyrene (C)

23.245min (-0.082) 27.60ng/ul

response 2119886

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.60 | 22.76 |
| 125.00 | 10.80 | 10.64 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

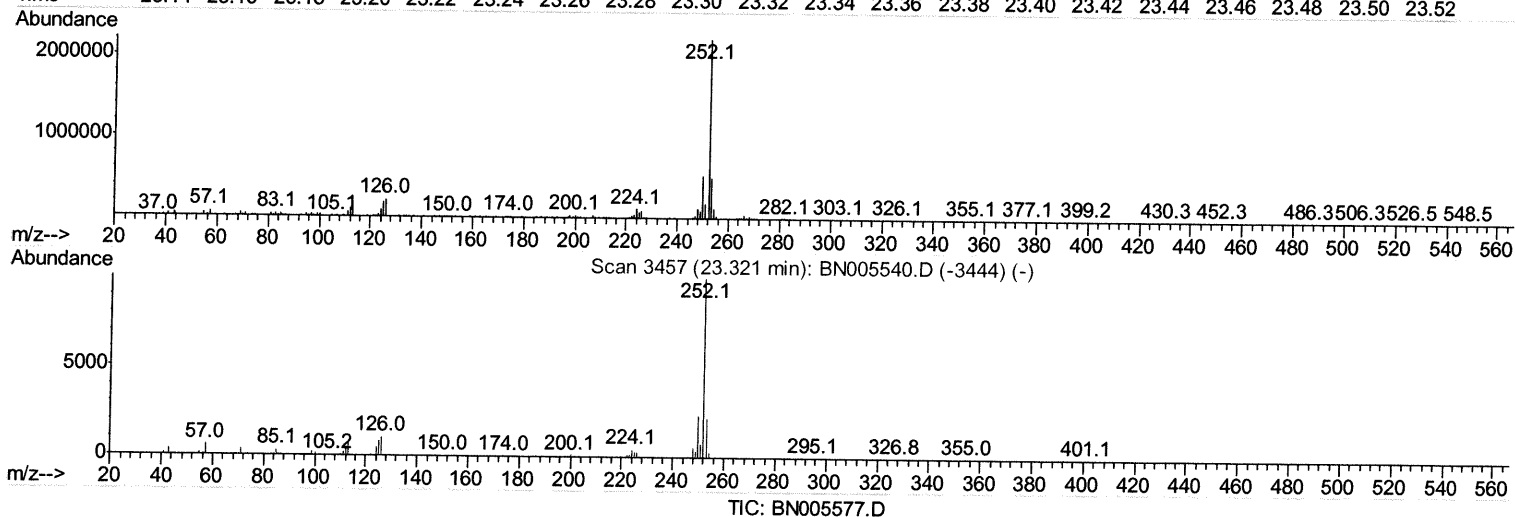
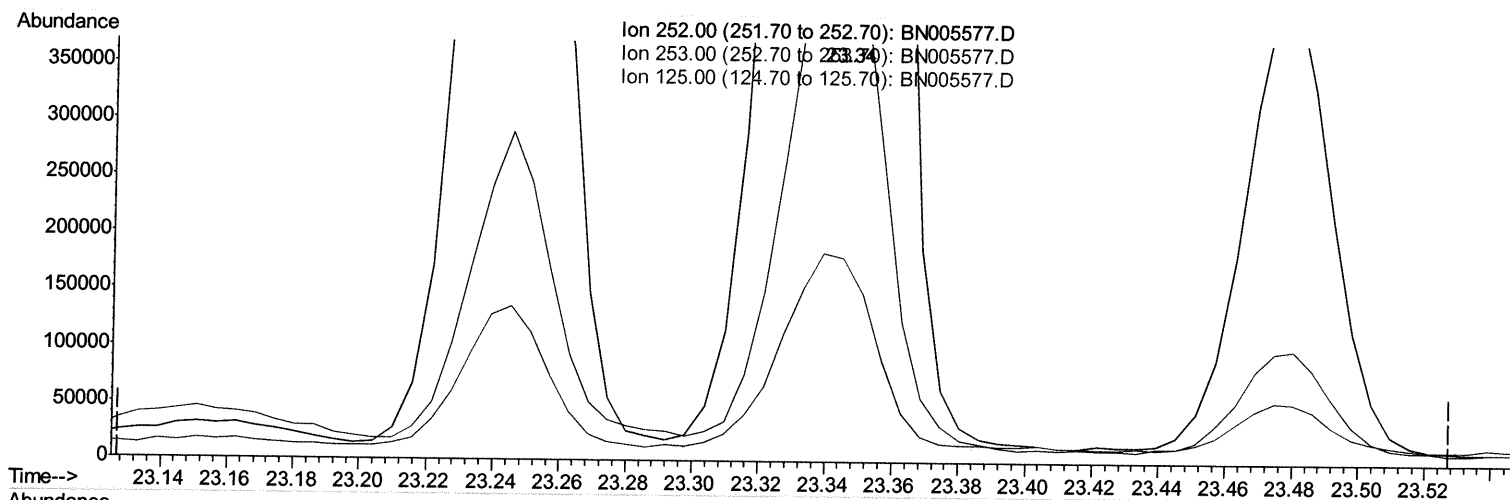
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\  
 Data File : BN005577.D  
 Acq On : 09 May 2019 21:44  
 Operator : JU/SJ  
 Sample : K2604-02 10X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAJ76

Manual Integrations  
 APPROVED

Sohil  
 5/10/2019 1:19:40 PM

Quant Time: May 10 02:18:34 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 07 05:36:07 2019  
 Response via : Initial Calibration



(90) Benzo(a)pyrene (C)

23.345min (+0.018) 54.83ng/ul m *SJ05/12/19*

response 4211098

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.60 | 22.60 |
| 125.00 | 10.80 | 8.12# |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\  
 Data File : BN005577.D  
 Acq On : 09 May 2019 21:44  
 Operator : JU/SJ  
 Sample : K2604-02 10X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAJ76

Manual Integrations  
 APPROVED

Sohil  
 5/10/2019 1:19:40 PM

Quant Time: May 10 02:24:38 2019

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

Quant Title : SVOA CALIBRATION

QLast Update : Tue May 07 05:36:07 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 345190   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.36 | 136  | 1487350  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.23 | 164  | 902350   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.99 | 188  | 1949724  | 20.00 | ng/ul | 0.01     |
| 77) Chrysene-d12          | 21.22 | 240  | 1302868  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.43 | 264  | 1453456  | 20.00 | ng/ul | 0.01     |

#### System Monitoring Compounds

|                                |       |     |        |      |       |      |
|--------------------------------|-------|-----|--------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.22  | 96  | 2568   | 0.36 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.78  | 99  | 76208  | 2.81 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.94  | 67  | 44978  | 2.66 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.13  | 132 | 67323  | 3.24 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.29  | 113 | 67603  | 3.19 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.73  | 128 | 38181  | 4.17 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.45  | 143 | 36342  | 3.92 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.99  | 165 | 76927  | 3.62 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4         | 10.50 | 131 | 30023m | 1.37 | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6       | 13.64 | 166 | 252950 | 3.86 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.92 | 160 | 320325 | 3.98 | ng/ul | 0.01 |
| 51) 4-Nitrophenol-d4           | 14.47 | 143 | 21251  | 2.05 | ng/ul | 0.02 |
| 57) Fluorene-d10               | 15.23 | 176 | 234859 | 4.27 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.40 | 200 | 4275m  | 0.49 | ng/ul | 0.04 |
| 70) Anthracene-d10             | 17.09 | 188 | 338735 | 4.14 | ng/ul | 0.01 |
| 78) Pyrene-d10                 | 19.40 | 212 | 310573 | 4.66 | ng/ul | 0.01 |
| 89) Benzo(a)pyrene-d12         | 23.29 | 264 | 257569 | 4.05 | ng/ul | 0.01 |

SJ 05/12/19  
 SJ 05/12/19

#### Target Compounds

|                            |       |     |          |         | Ovalue    |
|----------------------------|-------|-----|----------|---------|-----------|
| 11) 2-Methylphenol         | 8.03  | 108 | 29437    | 1.409   | ng/ul 96  |
| 28) Naphthalene            | 10.42 | 128 | 11529830 | 166.750 | ng/ul 99  |
| 34) 2-Methylnaphthalene    | 12.03 | 142 | 4348403  | 85.889  | ng/ul 99  |
| 40) 1,1'-Biphenyl          | 13.05 | 154 | 587388   | 8.737   | ng/ul 98  |
| 47) Acenaphthylene         | 13.95 | 152 | 4701976  | 59.470  | ng/ul 97  |
| 49) Acenaphthene           | 14.29 | 153 | 575537   | 10.663  | ng/ul 98  |
| 53) Dibenzofuran           | 14.63 | 168 | 1297895  | 16.701  | ng/ul 98  |
| 58) Fluorene               | 15.29 | 166 | 3620701  | 59.707  | ng/ul 98  |
| 69) Phenanthrene           | 17.04 | 178 | 16922396 | 178.215 | ng/ul 94  |
| 71) Anthracene             | 17.13 | 178 | 6463913  | 66.824  | ng/ul 99  |
| 74) Carbazole              | 17.39 | 167 | 305310   | 3.674   | ng/ul# 91 |
| 76) Fluoranthene           | 19.07 | 202 | 12630188 | 119.919 | ng/ul 99  |
| 79) Pyrene                 | 19.45 | 202 | 14471225 | 172.507 | ng/ul 99  |
| 82) Benzo(a)anthracene     | 21.21 | 228 | 5758787m | 71.051  | ng/ul     |
| 84) Chrysene               | 21.26 | 228 | 4980434  | 66.208  | ng/ul 97  |
| 87) Benzo(b)fluoranthene   | 22.79 | 252 | 4302786  | 52.664  | ng/ul 98  |
| 88) Benzo(k)fluoranthene   | 22.82 | 252 | 1360223m | 17.432  | ng/ul     |
| 90) Benzo(a)pyrene         | 23.34 | 252 | 4211098m | 54.834  | ng/ul     |
| 91) Indeno(1,2,3-cd)pyrene | 25.63 | 276 | 1844328  | 21.722  | ng/ul# 94 |
| 92) Dibenz(a,h)anthracene  | 25.63 | 278 | 546666   | 7.586   | ng/ul# 82 |
| 93) Benzo(a,h,i)perylene   | 26.30 | 276 | 1659310  | 23.635  | ng/ul# 93 |

SJ 05/12/19  
 SJ 05/12/19  
 SJ 05/12/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN050919\  
Data File : BN005577.D  
Acq On : 09 May 2019 21:44  
Operator : JU/SJ  
Sample : K2604-02 10X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 10 02:24:38 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue May 07 05:36:07 2019  
Response via : Initial Calibration

Instrument :  
BNA\_N  
ClientSampleId :  
GAJ76

Manual Integrations  
APPROVED

Sohil  
5/10/2019 1:19:40 PM

| Internal Standards                                                         | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                      |      |      |          |      |       |          |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |