

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM080315\  
 Data File : BM002204.D  
 Acq On : 03 Aug 2015 19:12  
 Operator : TP/UM  
 Sample : G3095-11  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C01S2

Quant Time: Aug 14 02:34:10 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072715.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Aug 04 02:31:26 2015  
 Response via : Initial Calibration

Manual Integrations  
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| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.53  | 152  | 84084    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.32 | 136  | 363358   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.21 | 164  | 236352   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.97 | 188  | 569871   | 20.00 | ng/ul | 0.01     |
| 78) Chrysene-d12          | 21.18 | 240  | 526896   | 20.00 | ng/ul | 0.01     |
| 86) Perylene-d12          | 23.37 | 264  | 491117   | 20.00 | ng/ul | 0.02     |

## System Monitoring Compounds

|                                |       |     |        |      |       |      |
|--------------------------------|-------|-----|--------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 2.98  | 96  | 1612   | 0.99 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.72  | 99  | 43935  | 7.31 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.87  | 67  | 22925  | 6.90 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.06  | 132 | 37827  | 7.42 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.26  | 113 | 36496  | 7.64 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5            | 8.69  | 128 | 18288  | 7.08 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.42  | 143 | 20226  | 7.05 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.96  | 165 | 40230  | 7.28 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.47 | 131 | 32345  | 5.32 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.62 | 166 | 117669 | 6.80 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.90 | 160 | 151693 | 7.01 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.46 | 143 | 11835  | 4.10 | ng/ul | 0.02 |
| 58) Fluorene-d10               | 15.20 | 176 | 112766 | 7.40 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 0.00  | 200 | 0      | 0.00 | ng/ul |      |
| 71) Anthracene-d10             | 17.07 | 188 | 178467 | 7.02 | ng/ul | 0.01 |
| 79) Pyrene-d10                 | 19.37 | 212 | 185989 | 8.38 | ng/ul | 0.01 |
| 90) Benzo(a)pyrene-d12         | 23.23 | 264 | 159230 | 6.69 | ng/ul | 0.02 |

## Target Compounds

|                            |       |     |          |        |        | Qvalue |
|----------------------------|-------|-----|----------|--------|--------|--------|
| 28) Naphthalene            | 10.37 | 128 | 107466   | 6.23   | ng/ul  | 99     |
| 34) 2-Methylnaphthalene    | 12.00 | 142 | 25406    | 2.02   | ng/ul  | 98     |
| 45) Dimethylphthalate      | 13.67 | 163 | 39955    | 2.31   | ng/ul  | 98     |
| 48) Acenaphthylene         | 13.93 | 152 | 138940   | 6.22   | ng/ul  | 100    |
| 50) Acenaphthene           | 14.27 | 153 | 189595   | 12.95  | ng/ul  | 99     |
| 54) Dibenzofuran           | 14.61 | 168 | 116929   | 5.57   | ng/ul  | 96     |
| 59) Fluorene               | 15.26 | 166 | 190033   | 10.95  | ng/ul  | 99     |
| 70) Phenanthrene           | 17.02 | 178 | 3023624  | 102.44 | ng/ul  | 99     |
| 72) Anthracene             | 17.10 | 178 | 672297   | 22.28  | ng/ul  | 99     |
| 75) Carbazole              | 17.37 | 167 | 284538   | 11.04  | ng/ul  | 98     |
| 77) Fluoranthene           | 19.05 | 202 | 5738804m | 168.38 | ng/ul  |        |
| 80) Pyrene                 | 19.42 | 202 | 5008828  | 174.70 | ng/ul  | 98     |
| 83) Benzo(a)anthracene     | 21.17 | 228 | 2449842  | 83.87  | ng/ul  | 97     |
| 85) Chrysene               | 21.22 | 228 | 2237095  | 81.86  | ng/ul  | 96     |
| 88) Benzo(b)fluoranthene   | 22.73 | 252 | 2935935  | 106.39 | ng/ul  | 97     |
| 89) Benzo(k)fluoranthene   | 22.76 | 252 | 913391m  | 34.30  | ng/ul  |        |
| 91) Benzo(a)pyrene         | 23.29 | 252 | 2138426  | 80.28  | ng/ul  | 98     |
| 92) Indeno(1,2,3-cd)pyrene | 25.59 | 276 | 1491896  | 48.60  | ng/ul# | 95     |
| 93) Dibenzo(a,h)anthracene | 25.59 | 278 | 386048   | 14.70  | ng/ul# | 84     |
| 94) Benzo(g,h,i)perylene   | 26.27 | 276 | 1366292  | 53.10  | ng/ul  | 96     |

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

(LSC Reviewed)

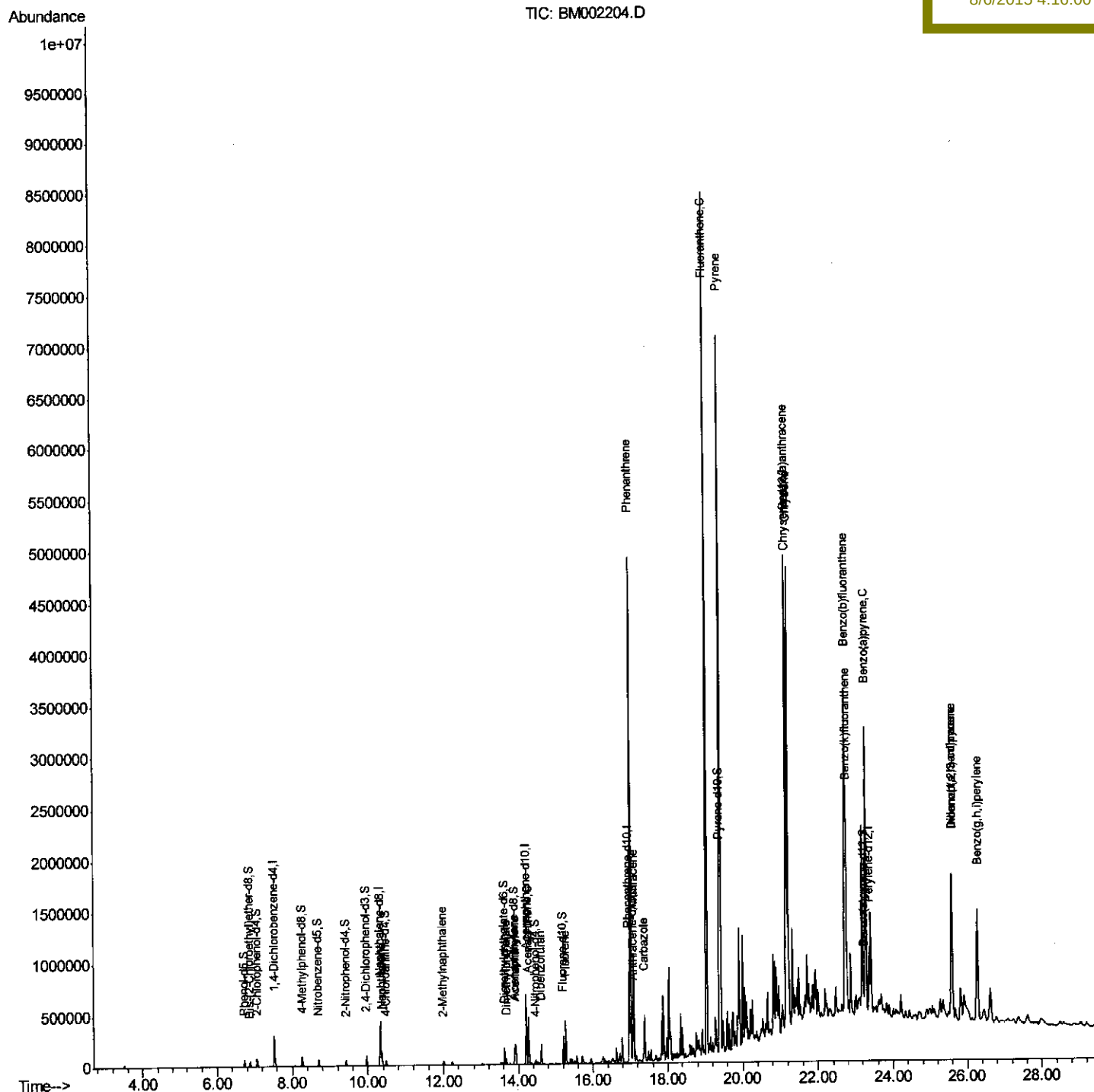
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM080315\  
Data File : BM002204.D  
Acq On : 03 Aug 2015 19:12  
Operator : TP/UM  
Sample : G3095-11  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**  
BNA\_M  
**ClientSampleId :**  
C01S2

Quant Time: Aug 14 02:34:10 2015  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072715.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Aug 04 02:31:26 2015  
Response via : Initial Calibration

## Manual Integrations

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# Quantitation Report (Qedit)

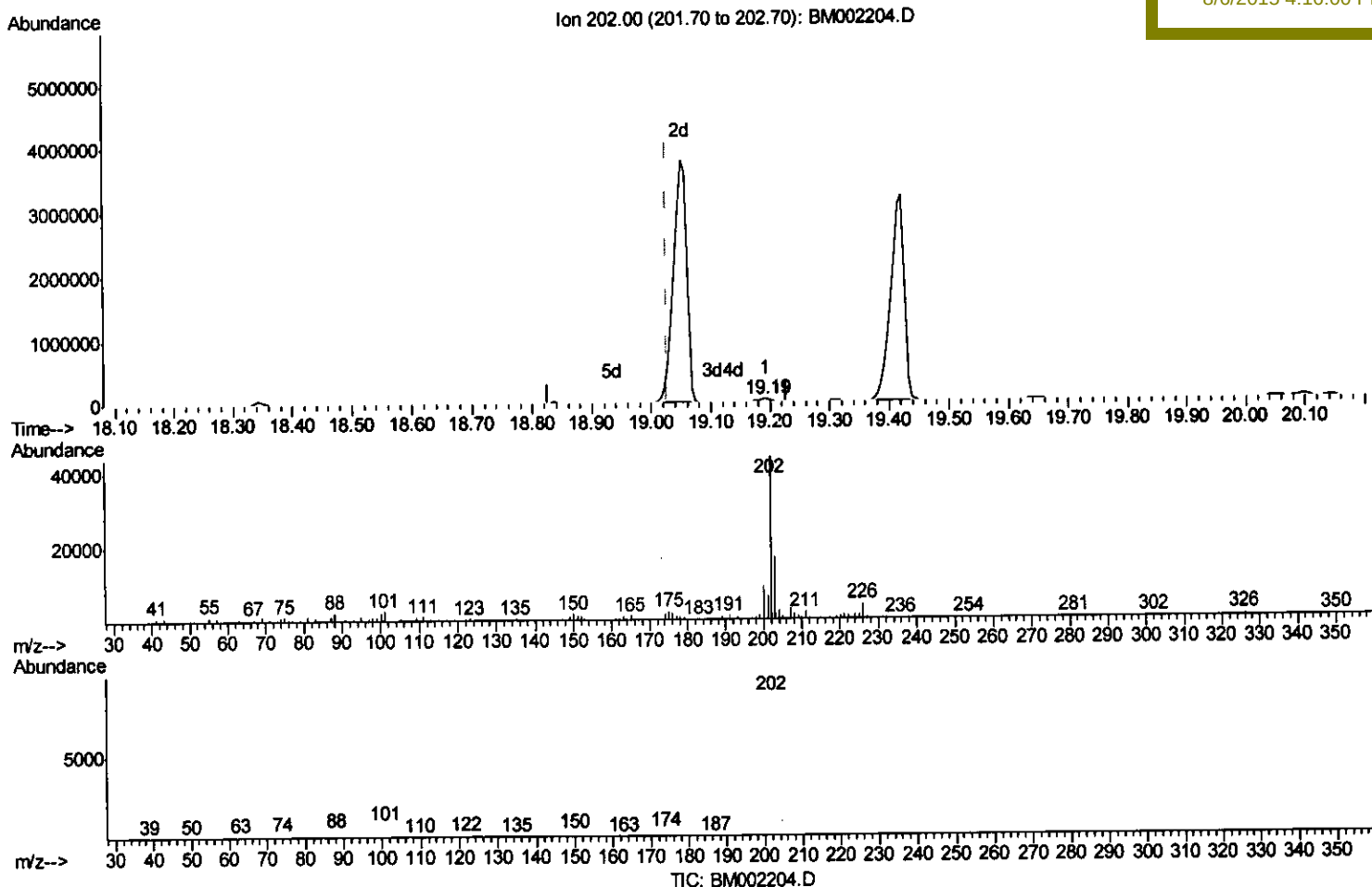
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080315\  
 Data File : BM002204.D  
 Acq On : 03 Aug 2015 19:12  
 Operator : TP/UM  
 Sample : G3095-11  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C01S2

Quant Time: Aug 04 04:47:55 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072715.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Aug 04 02:31:26 2015  
 Response via : Initial Calibration

Manual Integrations  
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(77) Fluoranthene (C)

19.192min (+0.165) 1.59ng/ul

response 54026

| Ion    | Exp% | Act% |
|--------|------|------|
| 202.00 | 100  | 100  |
| 101.00 | 7.80 | 6.67 |
| 100.00 | 6.50 | 5.57 |
| 0.00   | 0.00 | 0.00 |

# Quantitation Report (Qedit)

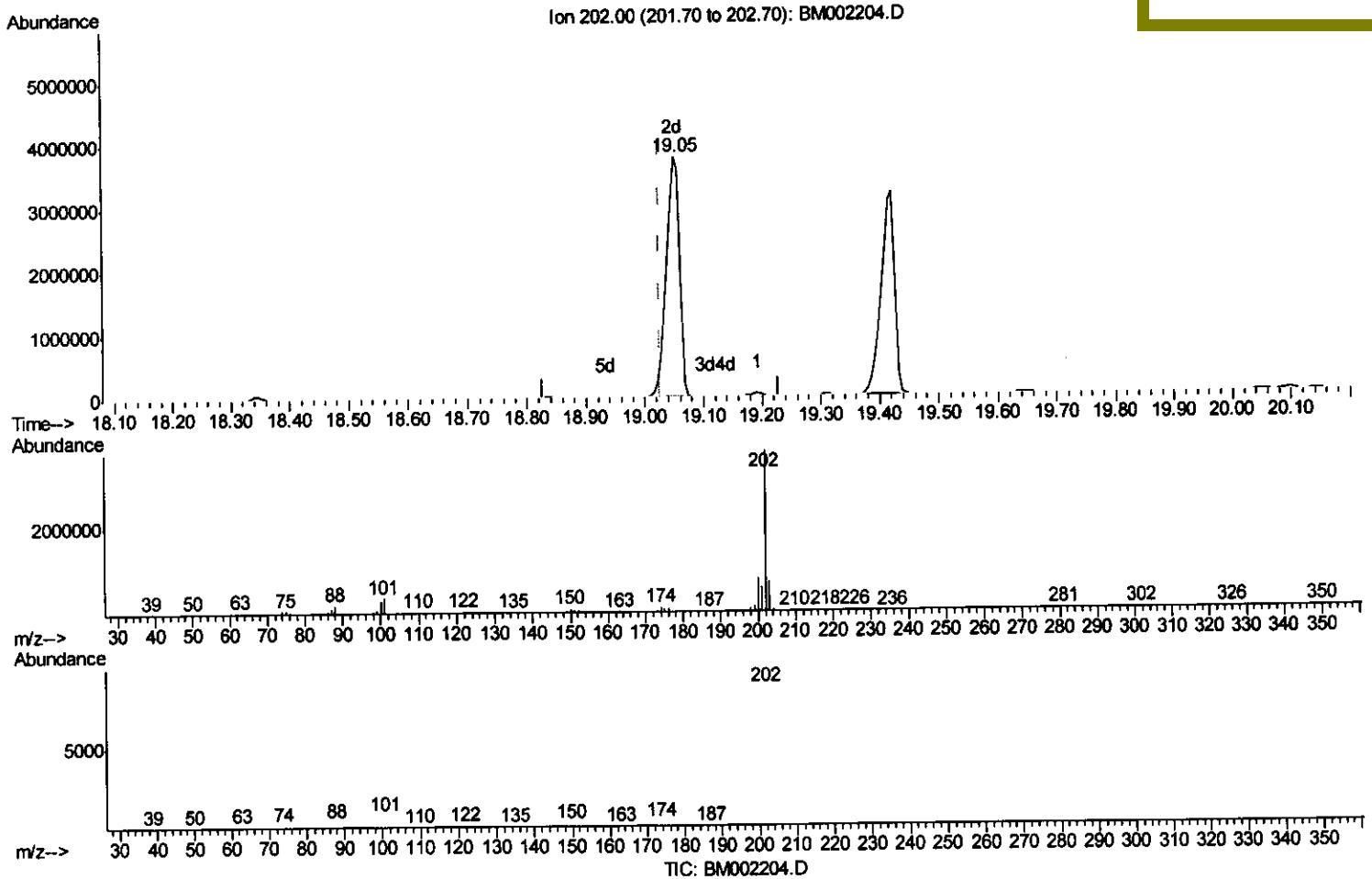
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080315\  
 Data File : BM002204.D  
 Acq On : 03 Aug 2015 19:12  
 Operator : TP/UM  
 Sample : G3095-11  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C01S2

Quant Time: Aug 04 04:47:55 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072715.M  
 Quant Title : SVOA CALIBRATION  
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Manual Integrations  
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(77) Fluoranthene (C)

19.051min (+0.023) 168.38ng/ul m *T.P*  
*8/7/15*

response 5738804

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 202.00 | 100  | 100   |
| 101.00 | 7.80 | 9.51# |
| 100.00 | 6.50 | 7.44  |
| 0.00   | 0.00 | 0.00  |

# Quantitation Report (Qedit)

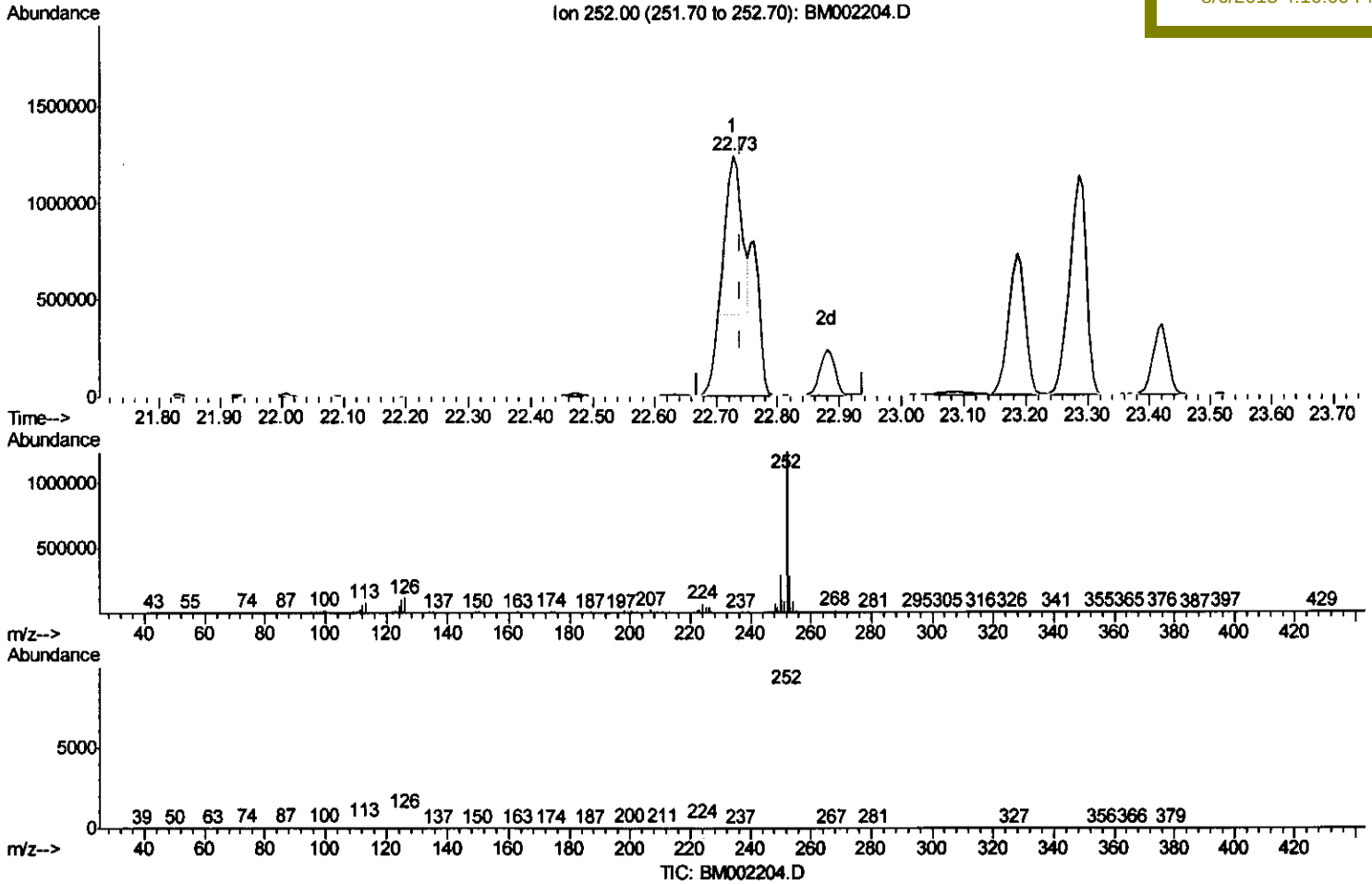
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080315\  
 Data File : BM002204.D  
 Acq On : 03 Aug 2015 19:12  
 Operator : TP/UM  
 Sample : G3095-11  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C01S2

Quant Time: Aug 04 04:43:28 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072715.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Aug 04 02:31:26 2015  
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Manual Integrations  
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(89) Benzo(k)fluoranthene

22.727min (-0.012) 55.29ng/ul

response 1472319

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.70 | 22.59 |
| 125.00 | 7.80  | 8.37  |
| 0.00   | 0.00  | 0.00  |

Quantitation Report (Qedit)

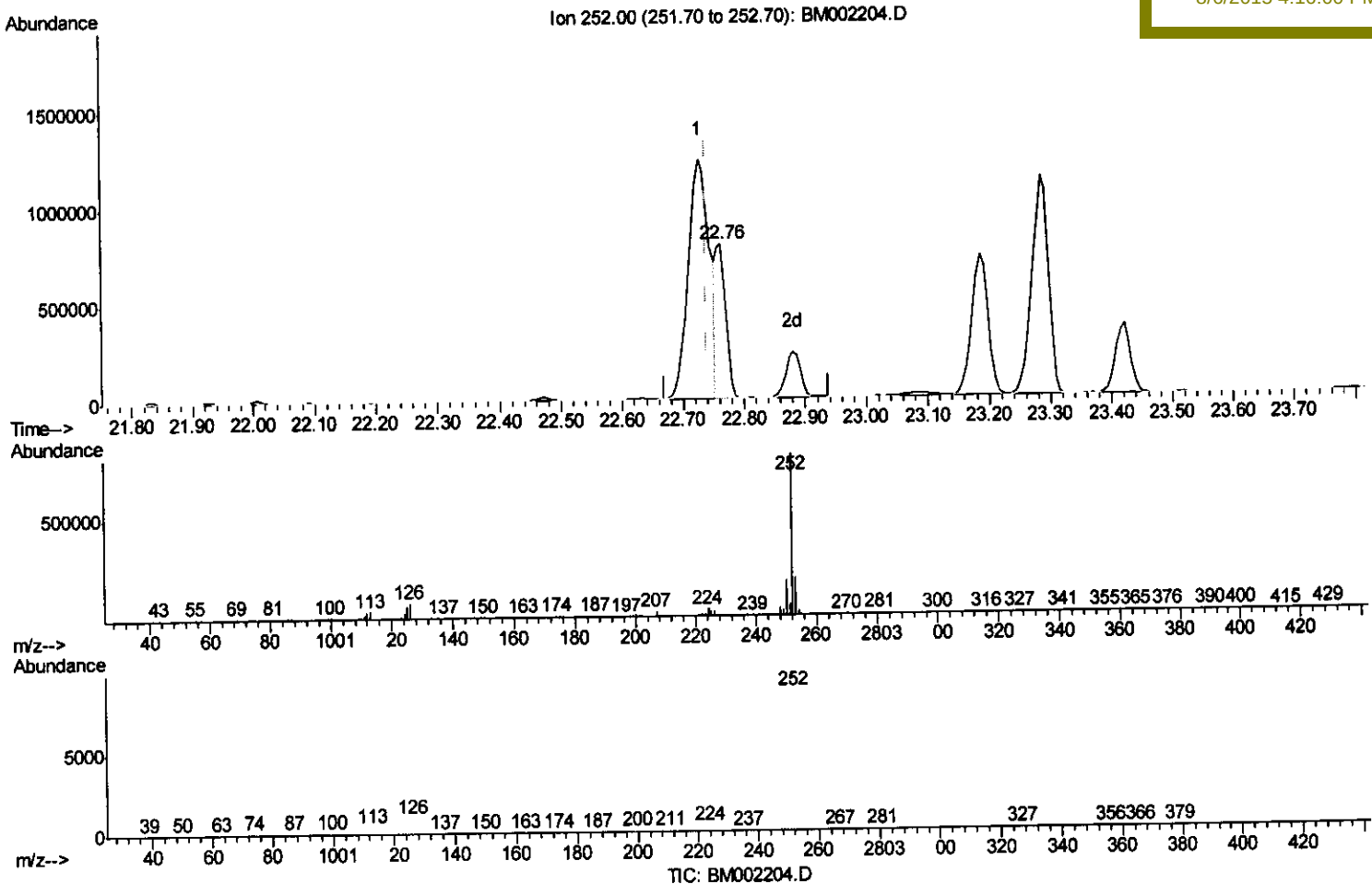
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080315\  
Data File : BM002204.D  
Acq On : 03 Aug 2015 19:12  
Operator : TP/UM  
Sample : G3095-11  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**  
BNA\_M  
**ClientSampleId :**  
C01S2

Quant Time: Aug 04 04:43:28 2015  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072715.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Aug 04 02:31:26 2015  
Response via : Initial Calibration

## Manual Integrations

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(89) Benzo(k)fluoranthene

22.762min (+0.023) 34.30ng/ul m

response 913391

| Ion | Exp% | Act% |
|-----|------|------|
|-----|------|------|

|        |       |       |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.70 | 23.08 |
| 125.00 | 7.80  | 7.29  |
| 0.00   | 0.00  | 0.00  |

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8 | 7 | 15

Data Path : Z:\HPCHEM1\BNA M\Data\BM080315\  
 Data File : BM002204.D  
 Acq On : 03 Aug 2015 19:12  
 Operator : TP/UM  
 Sample : G3095-11  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 04 04:51:42 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072715.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Aug 04 02:31:26 2015  
 Response via : Initial Calibration

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

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C01S2

Manual Integrations  
 APPROVED

MMDadoda  
 8/6/2015 4:16:00 PM