

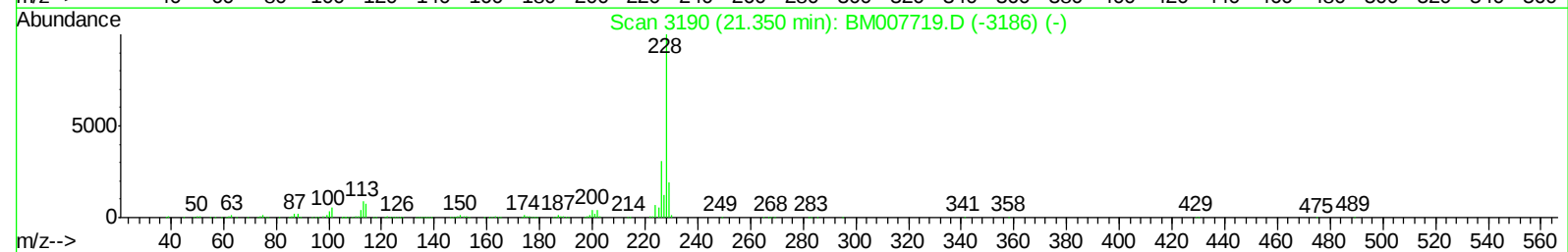
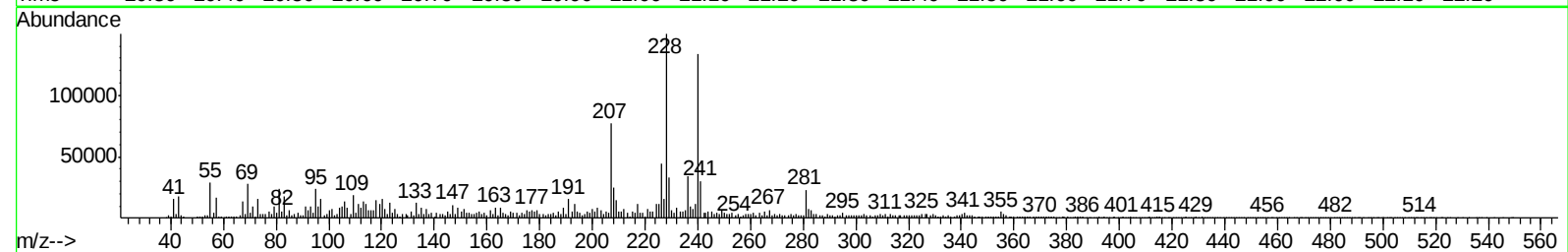
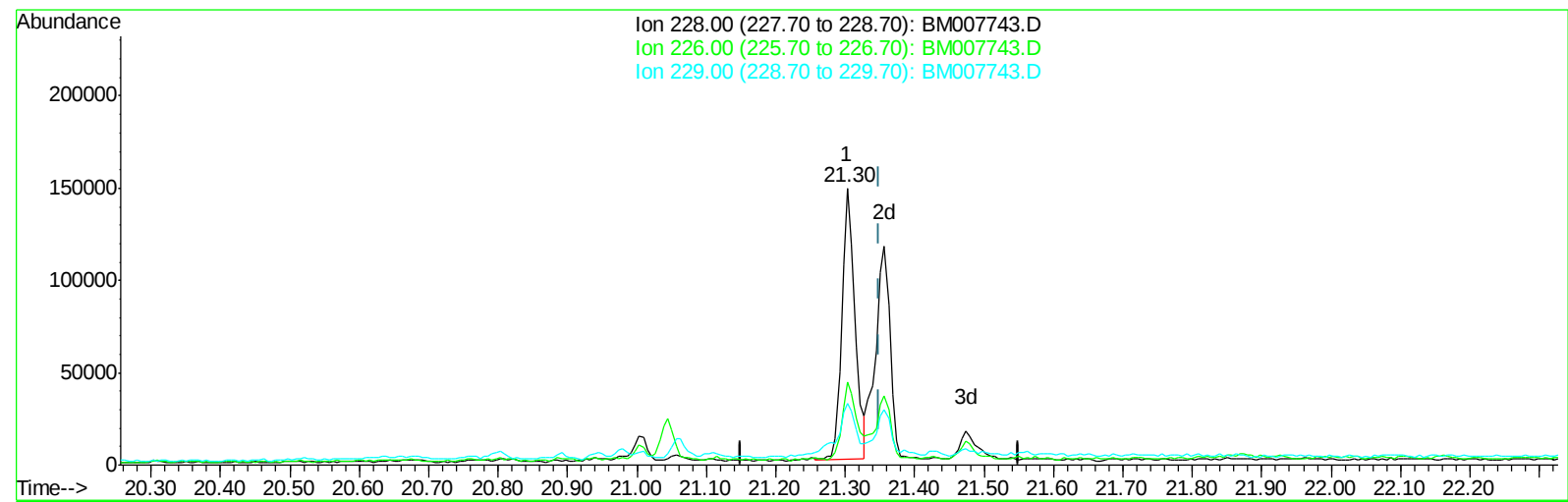
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM102816\  
Data File : BM007743.D  
Acq On : 28 Oct 2016 15:14  
Operator : UM/SJ  
Sample : H5441-17  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PRERV-SS009-1218-01

Quant Time: Oct 28 17:54:04 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM102016.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Oct 24 12:55:22 2016  
Response via : Initial Calibration

Manual Integrations  
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TIC: BM007743.D

(82) Chrysene

21.303min (-0.047) 3.39ng/ul

response 192630

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 29.30 | 29.93 |
| 229.00 | 19.40 | 22.38 |
| 0.00   | 0.00  | 0.00  |

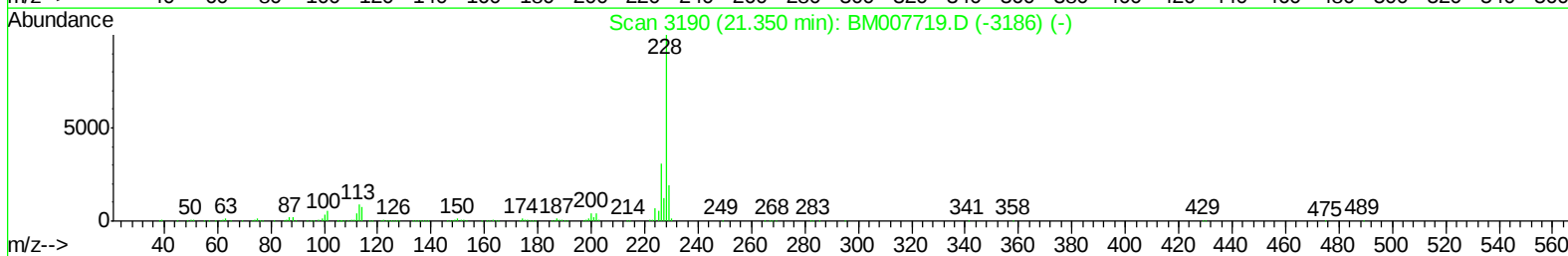
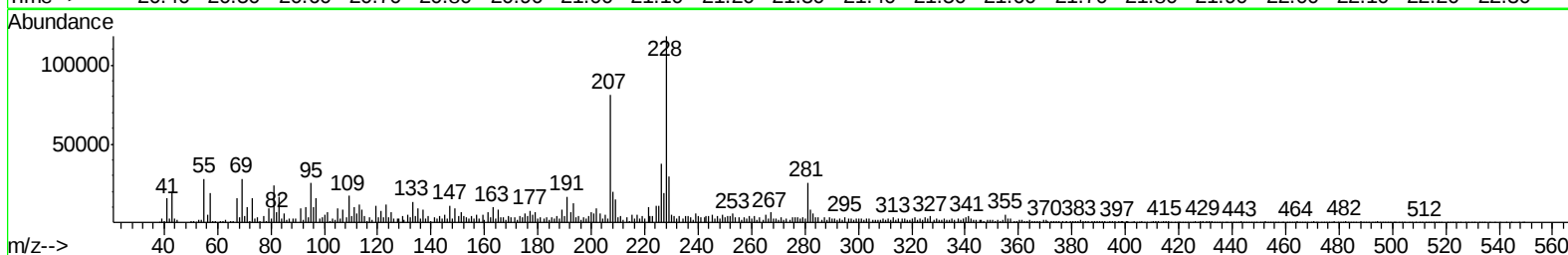
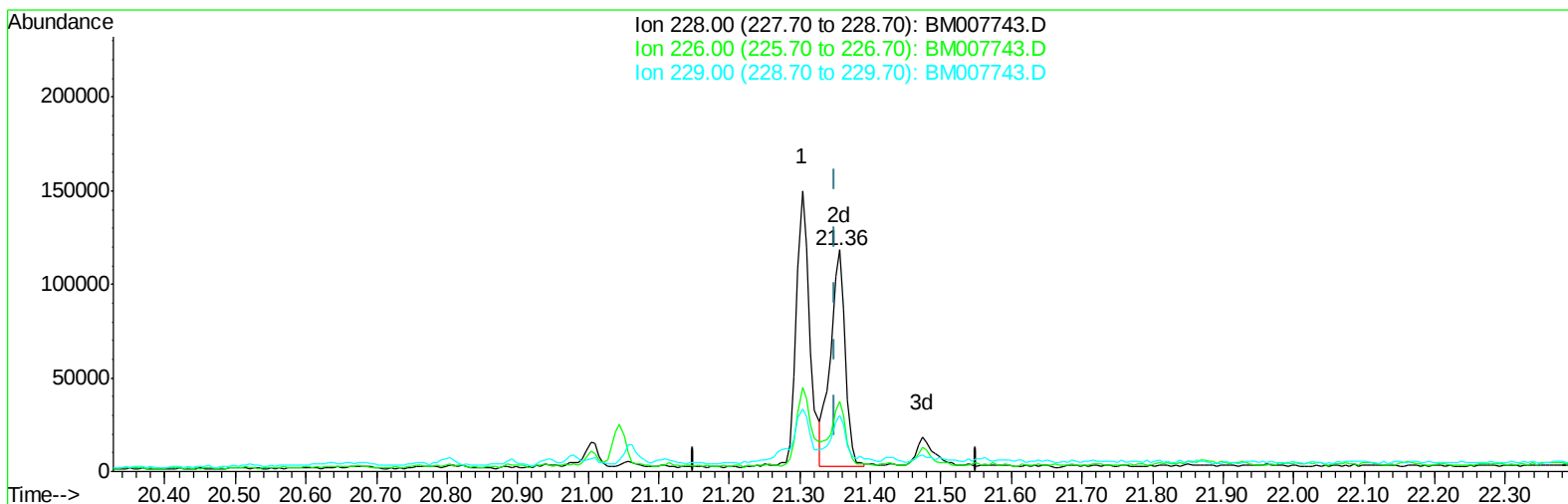
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM102816\  
Data File : BM007743.D  
Acq On : 28 Oct 2016 15:14  
Operator : UM/SJ  
Sample : H5441-17  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PRERV-SS009-1218-01

Quant Time: Oct 28 17:54:04 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM102016.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Oct 24 12:55:22 2016  
Response via : Initial Calibration

Manual Integrations  
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TIC: BM007743.D

(82) Chrysene

21.356min (+0.006) 3.01ng/ul m

response 170784

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 226.00 | 29.30 | 31.59  |
| 229.00 | 19.40 | 25.19# |
| 0.00   | 0.00  | 0.00   |

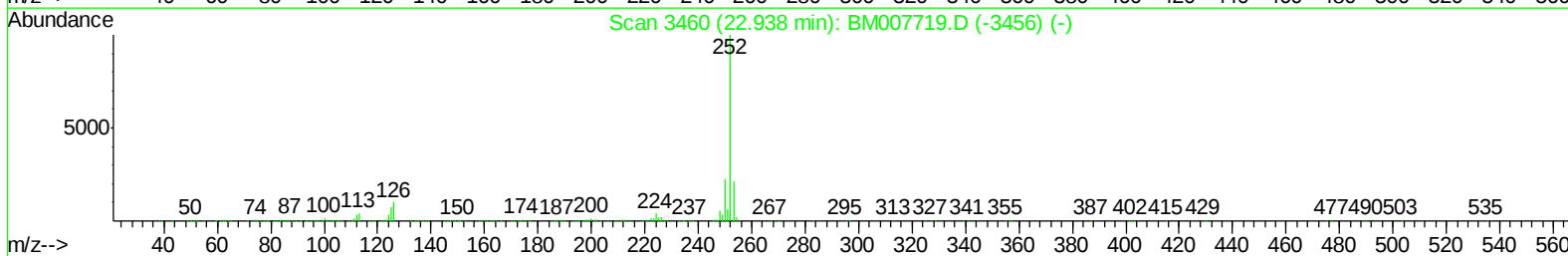
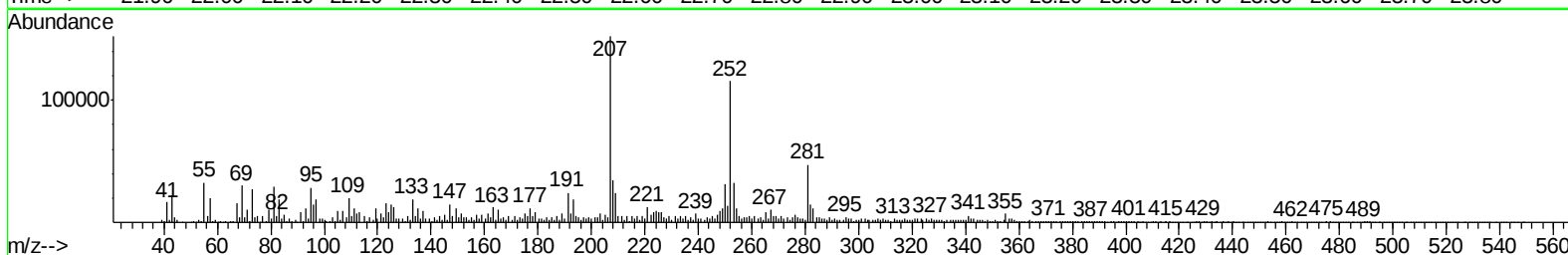
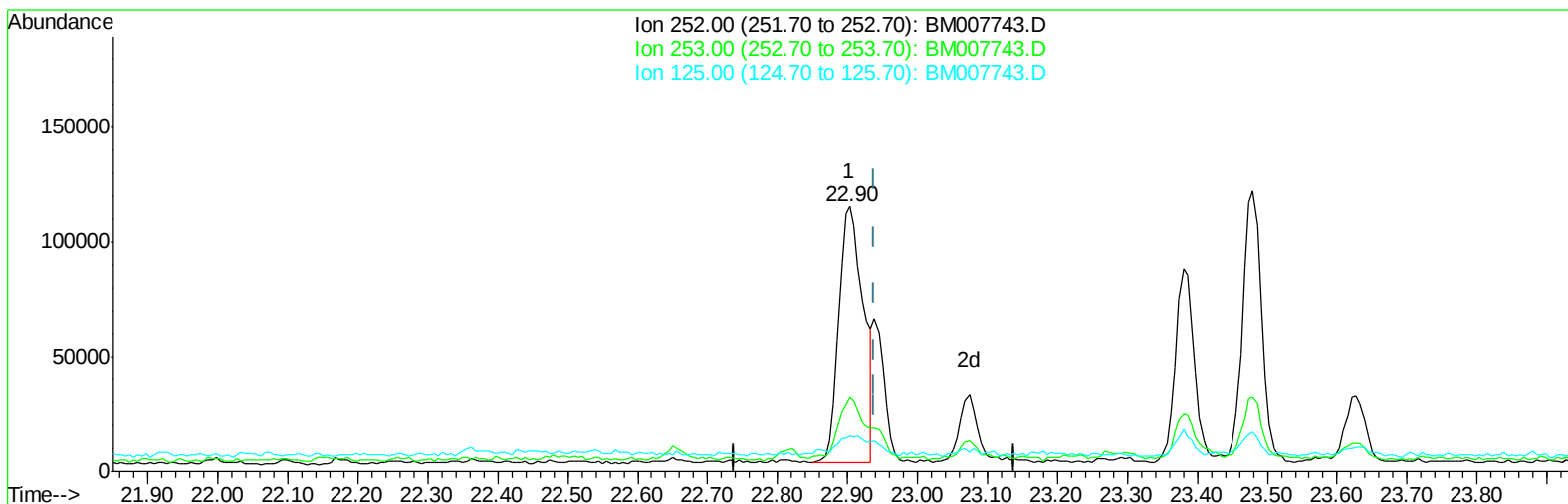
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM102816\  
Data File : BM007743.D  
Acq On : 28 Oct 2016 15:14  
Operator : UM/SJ  
Sample : H5441-17  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PRERV-SS009-1218-01

Quant Time: Oct 28 18:00:33 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM102016.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Oct 24 12:55:22 2016  
Response via : Initial Calibration

Manual Integrations  
APPROVED

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TIC: BM007743.D

(86) Benzo(k)fluoranthene

22.903min (-0.035) 4.48ng/ul

response 275580

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 22.00 | 28.00# |
| 125.00 | 7.10  | 13.27# |
| 0.00   | 0.00  | 0.00   |

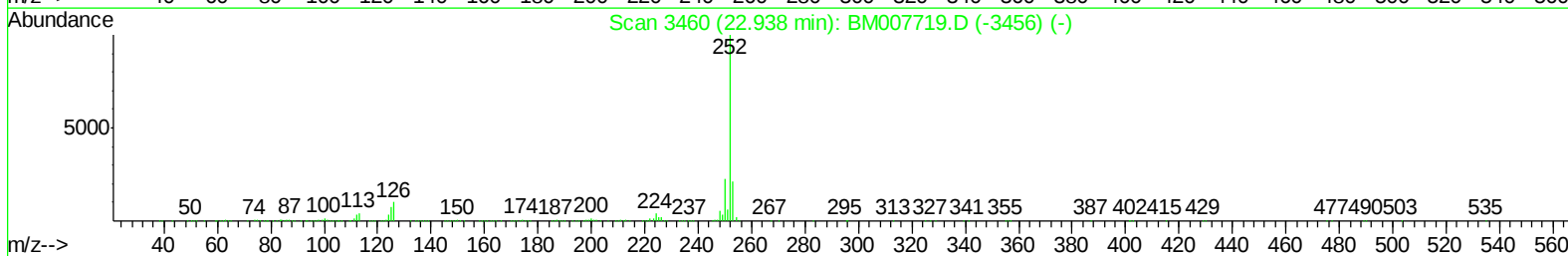
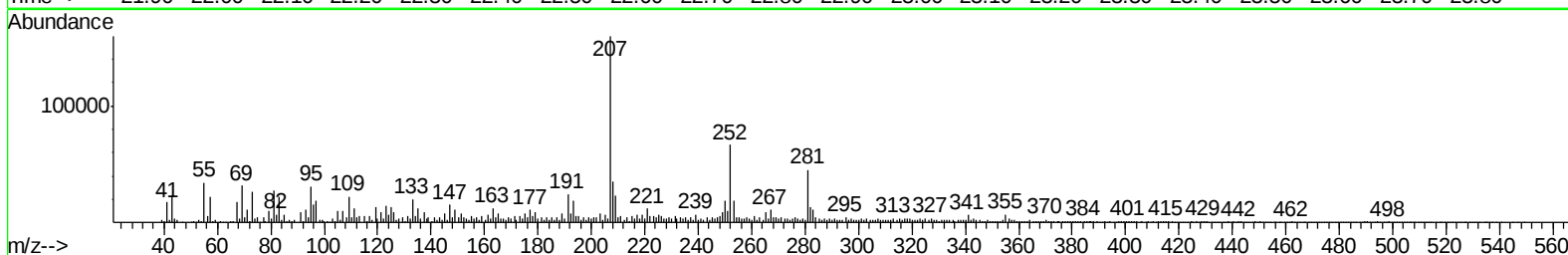
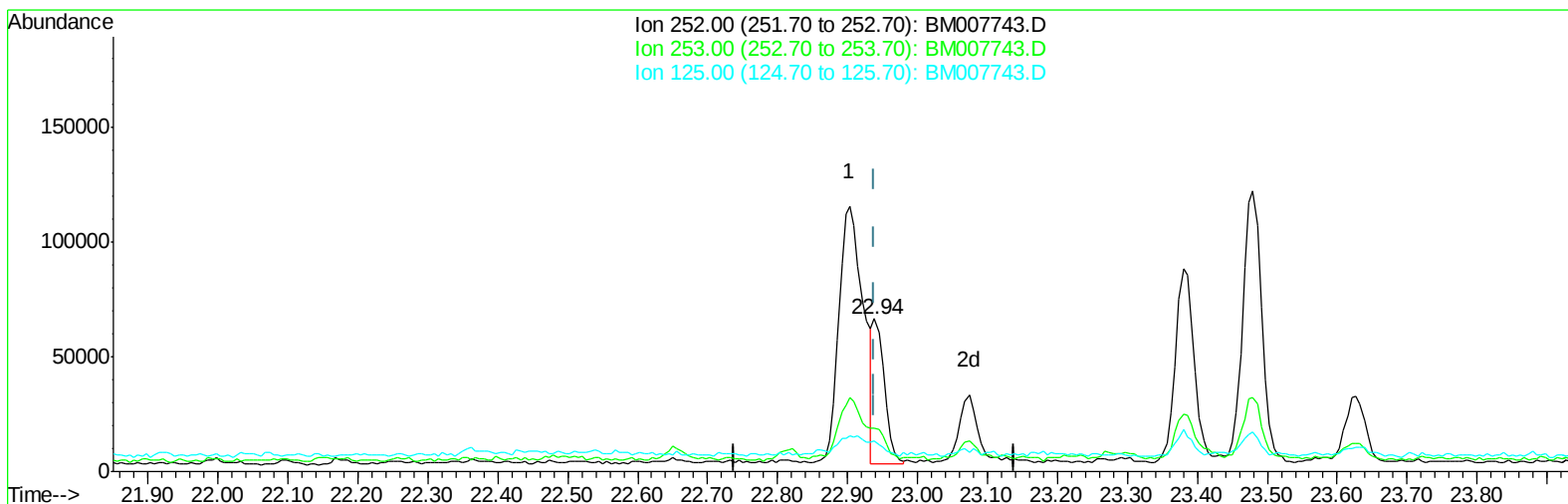
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM102816\  
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Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PRERV-SS009-1218-01

Quant Time: Oct 28 18:00:33 2016  
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Manual Integrations  
APPROVED

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TIC: BM007743.D

(86) Benzo(k)fluoranthene

22.939min (-0.000) 1.18ng/ul m

response 72507

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 22.00 | 28.81# |
| 125.00 | 7.10  | 19.93# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM102816\  
 Data File : BM007743.D  
 Acq On : 28 Oct 2016 15:14  
 Operator : UM/SJ  
 Sample : H5441-17  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PRERV-SS009-1218-01

Manual Integrations  
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 10/28/2016 8:04:25 PM

Quant Time: Oct 28 18:02:36 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM102016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Oct 24 12:55:22 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.75  | 152  | 209034   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.53 | 136  | 803691   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.39 | 164  | 500961   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.13 | 188  | 929028   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.32 | 240  | 1106702  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.58 | 264  | 1169491  | 20.00 | ng/ul | 0.01     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.29  | 96  | 18602   | 3.81  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.93  | 99  | 372474  | 23.09 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.09  | 67  | 220036  | 22.98 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.29  | 132 | 302997  | 24.49 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.46  | 113 | 270199  | 21.40 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.91  | 128 | 144569  | 25.00 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.63  | 143 | 156138  | 25.47 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.16 | 165 | 291587  | 24.19 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.67 | 131 | 294490  | 21.42 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.80 | 166 | 881549  | 25.84 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.08 | 160 | 1067051 | 25.99 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.61 | 143 | 106334  | 19.72 | ng/ul | 0.01 |
| 57) Fluorene-d10               | 15.38 | 176 | 755239  | 25.26 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.52 | 200 | 69208   | 12.54 | ng/ul | 0.01 |
| 70) Anthracene-d10             | 17.23 | 188 | 1110673 | 26.53 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.53 | 212 | 1234804 | 27.16 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.43 | 264 | 1354409 | 26.53 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |         |       |        | Qvalue |
|----------------------------|-------|-----|---------|-------|--------|--------|
| 6) Phenol                  | 6.96  | 94  | 46337   | 2.80  | ng/ul  | 97     |
| 44) Dimethylphthalate      | 13.85 | 163 | 786744  | 23.75 | ng/ul  | 100    |
| 69) Phenanthrene           | 17.17 | 178 | 146375  | 2.96  | ng/ul  | 99     |
| 71) Anthracene             | 17.27 | 178 | 70249   | 1.40  | ng/ul  | 98     |
| 74) Fluoranthene           | 19.19 | 202 | 278621  | 4.82  | ng/ul  | 98     |
| 77) Pyrene                 | 19.56 | 202 | 314141  | 5.49  | ng/ul  | 99     |
| 80) Benzo(a)anthracene     | 21.30 | 228 | 192630  | 3.26  | ng/ul  | 94     |
| 82) Chrysene               | 21.36 | 228 | 170784m | 3.01  | ng/ul  |        |
| 85) Benzo(b)fluoranthene   | 22.90 | 252 | 275580  | 4.12  | ng/ul# | 85     |
| 86) Benzo(k)fluoranthene   | 22.94 | 252 | 72507m  | 1.18  | ng/ul  |        |
| 88) Benzo(a)pyrene         | 23.48 | 252 | 223042  | 3.54  | ng/ul# | 89     |
| 89) Indeno(1,2,3-cd)pyrene | 25.85 | 276 | 144096  | 1.91  | ng/ul# | 91     |
| 91) Benzo(g,h,i)perylene   | 26.55 | 276 | 168488  | 2.66  | ng/ul# | 91     |

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

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