

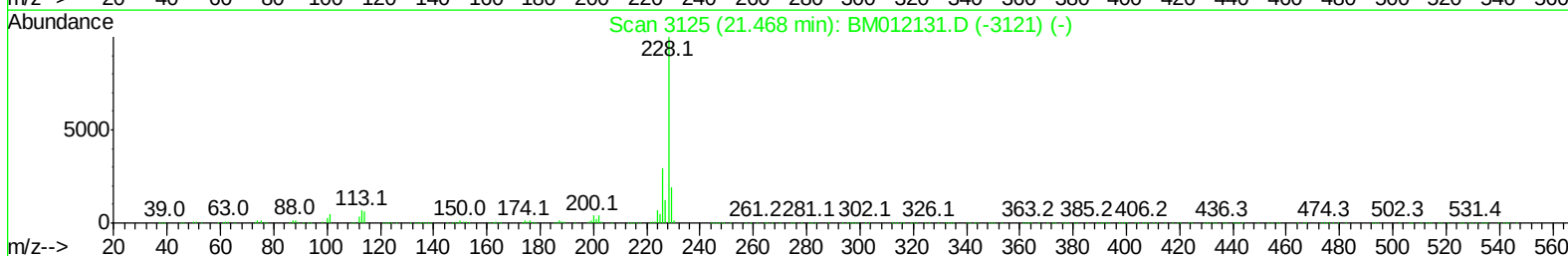
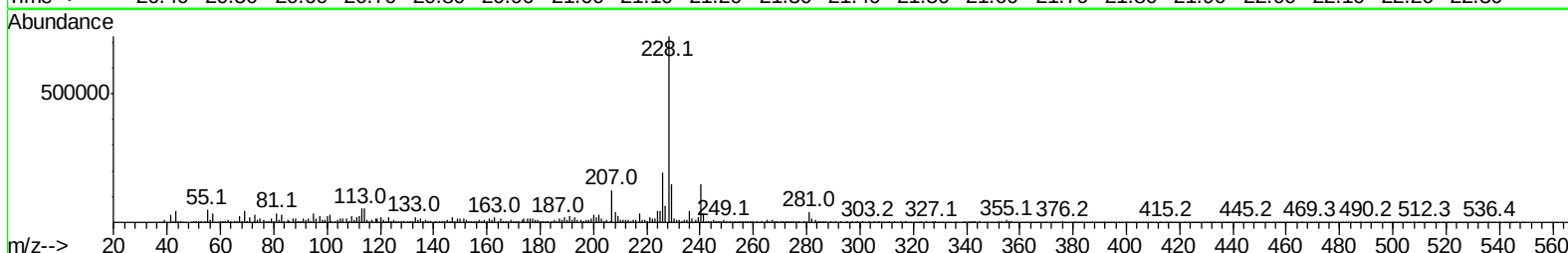
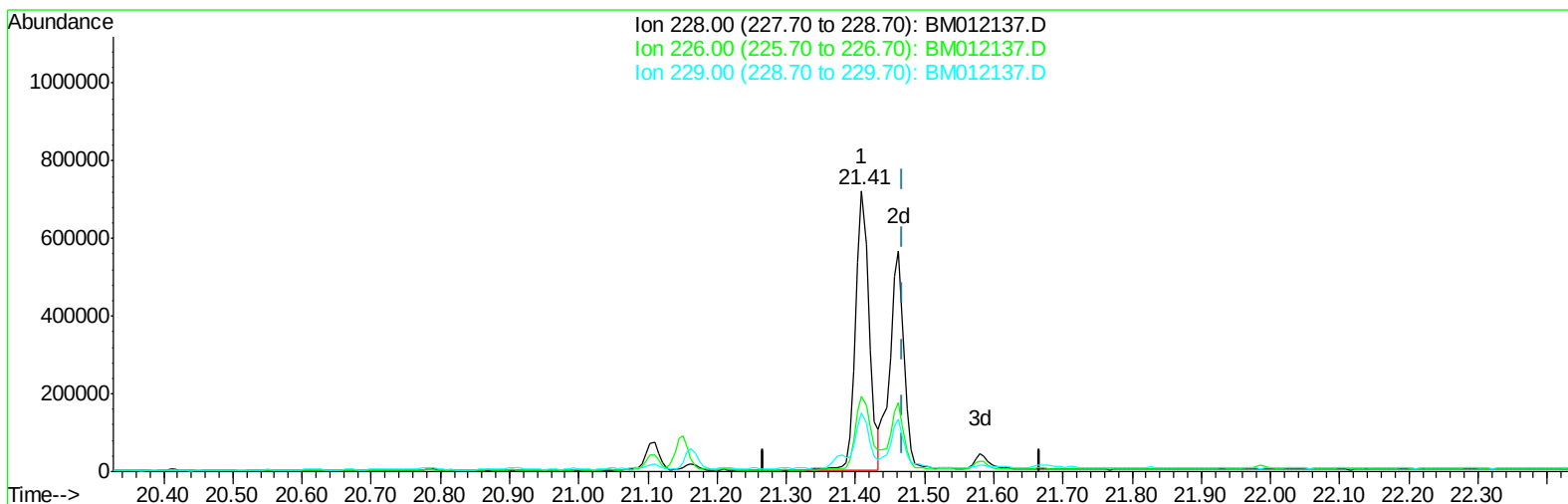
Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA M\Data\BM101217\  
Data File : BM012137.D  
Acq On : 13 Oct 2017 15:06  
Operator : SJ/JU  
Sample : I5533-03DL 5X  
Misc :  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
B-77(0-1)-092817DL

Manual Integrations  
APPROVED

Sohil  
10/15/2017 12:37:35 PM

Quant Time: Oct 14 00:56:36 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Oct 14 00:15:07 2017  
Response via : Initial Calibration



TIC: BM012137.D

(82) Chrysene

21.409min (-0.059) 12.32ng/ul

response 971475

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 29.30 | 27.02 |
| 229.00 | 19.40 | 20.85 |
| 0.00   | 0.00  | 0.00  |

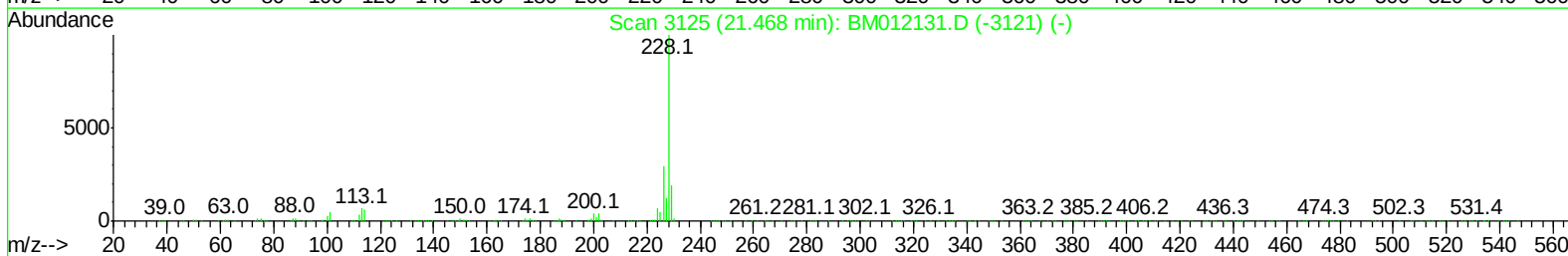
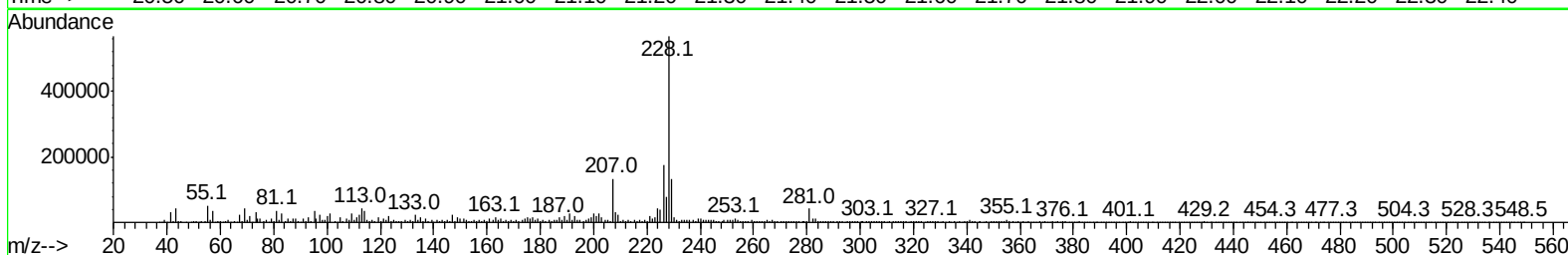
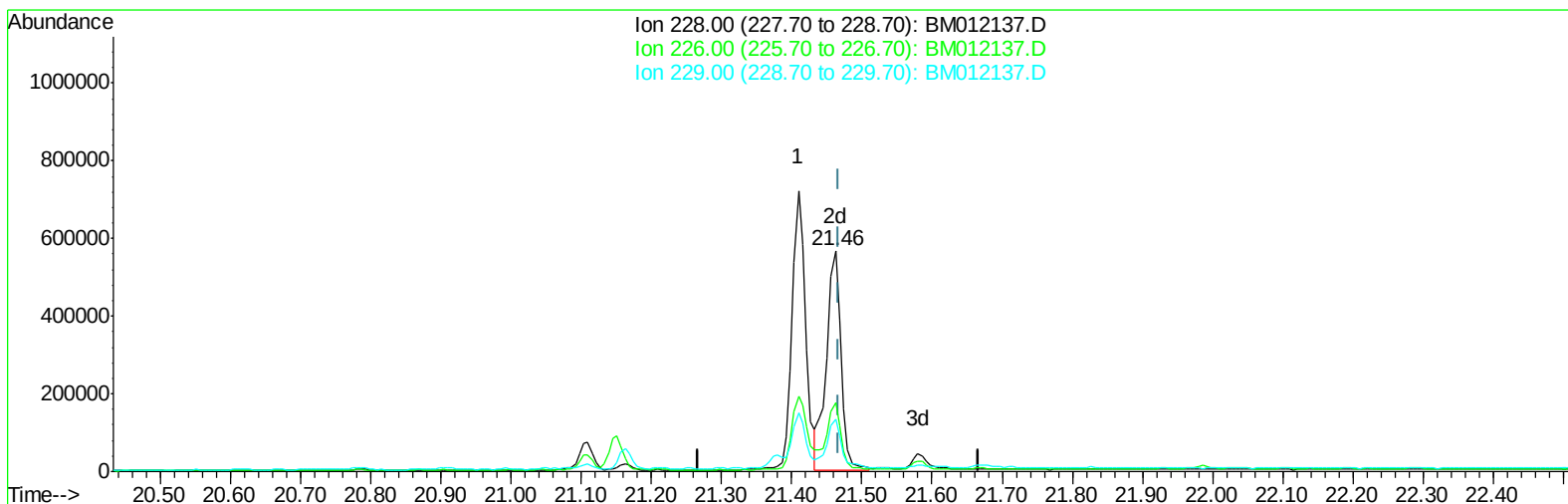
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Response via : Initial Calibration



TIC: BM012137.D

(82) Chrysene

21.462min (-0.006) 10.26ng/ul m

response 808868

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 226.00 | 29.30 | 30.95  |
| 229.00 | 19.40 | 23.50# |
| 0.00   | 0.00  | 0.00   |

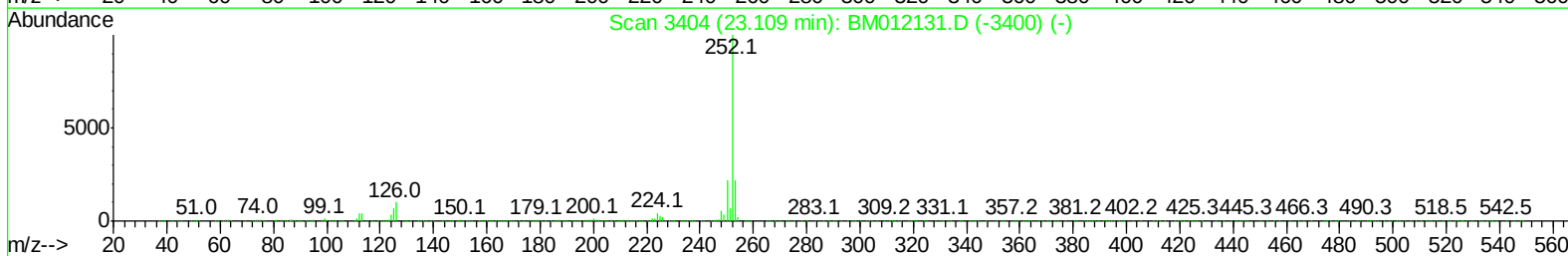
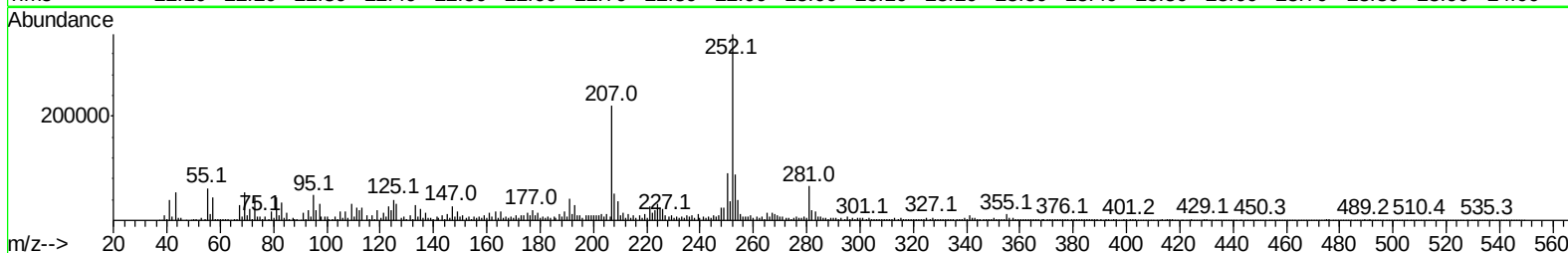
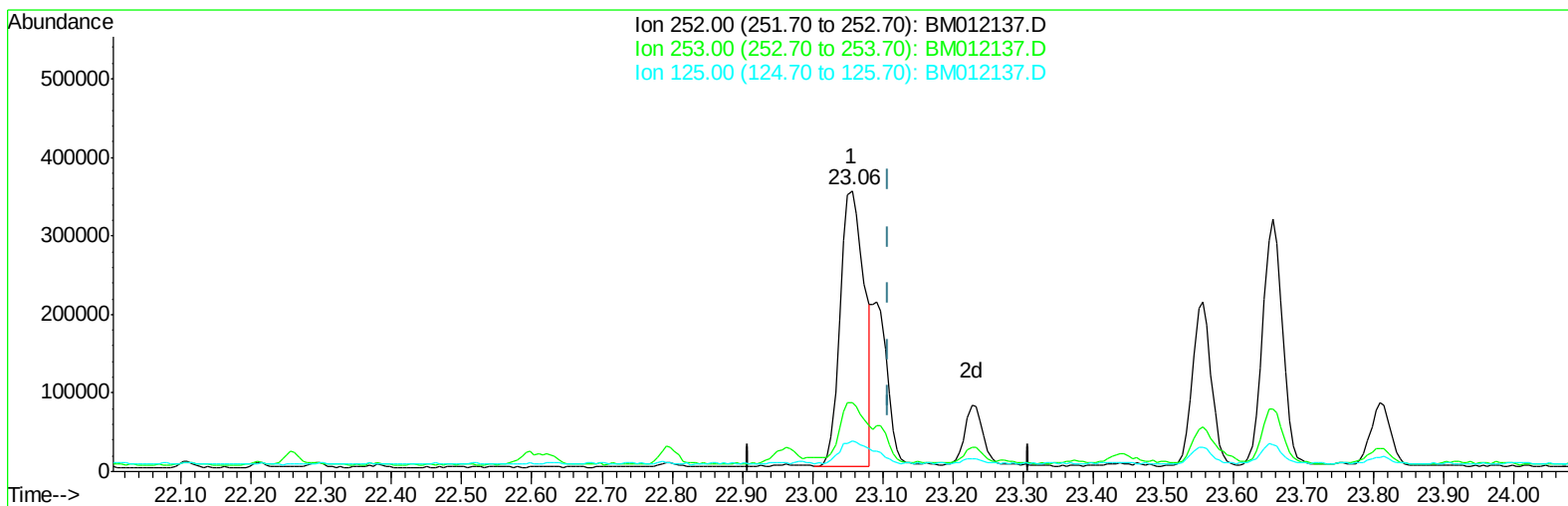
Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA M\Data\BM101217\  
Data File : BM012137.D  
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Operator : SJ/JU  
Sample : I5533-03DL 5X  
Misc :  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Manual Integrations  
APPROVED

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10/15/2017 12:37:35 PM

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Response via : Initial Calibration



TIC: BM012137.D

(86) Benzo(k)fluoranthene

23.056min (-0.053) 12.00ng/ul

response 827967

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.40 | 24.70  |
| 125.00 | 4.30  | 11.14# |
| 0.00   | 0.00  | 0.00   |

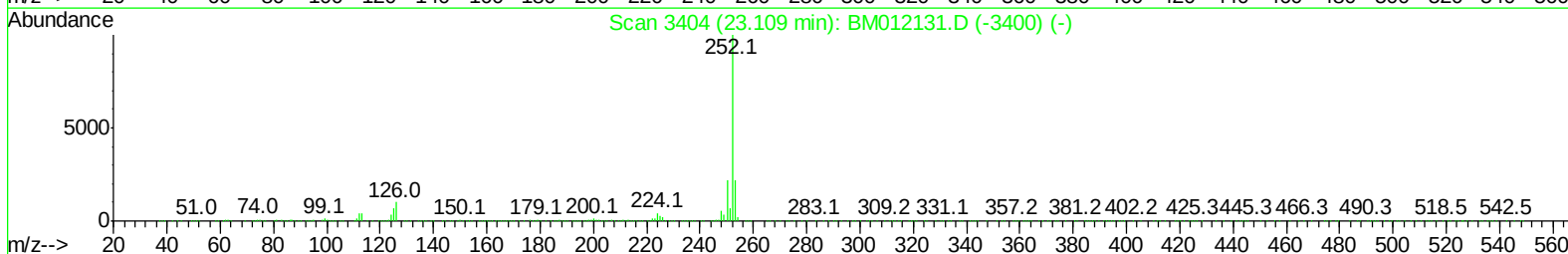
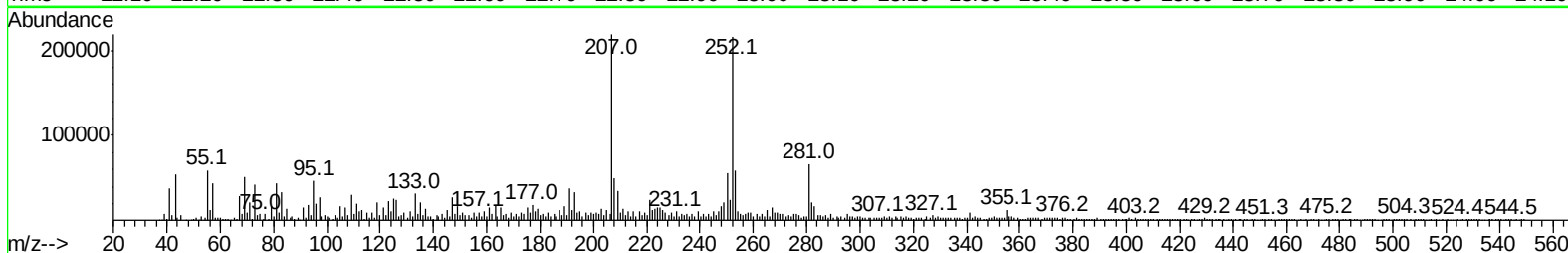
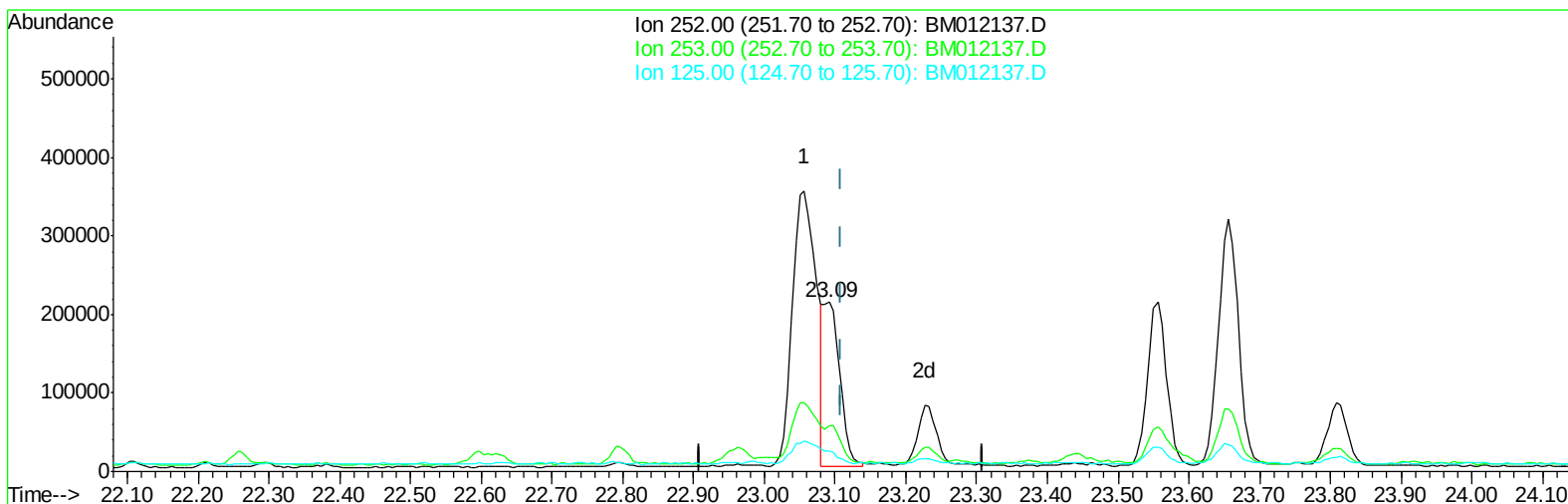
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ALS Vial : 36 Sample Multiplier: 1

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Manual Integrations  
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Response via : Initial Calibration



TIC: BM012137.D

(86) Benzo(k)fluoranthene

23.092min (-0.017) 4.81ng/ul m

response 331881

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.40 | 27.05# |
| 125.00 | 4.30  | 12.21# |
| 0.00   | 0.00  | 0.00   |

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA M\Data\BM101217\  
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 Sample : I5533-03DL 5X  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 B-77(0-1)-092817DL

Manual Integrations  
 APPROVED

Sohil  
 10/15/2017 12:37:35 PM

Quant Time: Oct 14 00:59:59 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Oct 14 00:15:07 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.84  | 152  | 168944   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.65 | 136  | 723558   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.50 | 164  | 442425   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.24 | 188  | 1057446  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.43 | 240  | 1290716  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.76 | 264  | 1097126  | 20.00 | ng/ul | -0.02    |

## System Monitoring Compounds

|                                |       |     |        |      |       |       |
|--------------------------------|-------|-----|--------|------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.25  | 96  | 3099   | 0.87 | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.02  | 99  | 72300  | 5.27 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.17  | 67  | 45125  | 5.49 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.37  | 132 | 62302  | 5.36 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.56  | 113 | 60280  | 5.11 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 9.02  | 128 | 28914  | 5.24 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.74  | 143 | 33736  | 5.23 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.28 | 165 | 65146  | 5.29 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.80 | 131 | 22988  | 1.99 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.90 | 166 | 217237 | 5.56 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 14.19 | 160 | 266845 | 5.64 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.75 | 143 | 19739  | 3.36 | ng/ul | 0.01  |
| 57) Fluorene-d10               | 15.49 | 176 | 191028 | 5.95 | ng/ul | -0.01 |
| 62) 4,6-Dinitro-2-methylphenol | 15.64 | 200 | 4271   | 0.59 | ng/ul | -0.01 |
| 70) Anthracene-d10             | 17.34 | 188 | 311202 | 5.95 | ng/ul | 0.00  |
| 76) Pyrene-d10                 | 19.64 | 212 | 374826 | 5.72 | ng/ul | 0.00  |
| 87) Benzo(a)pyrene-d12         | 23.61 | 264 | 303512 | 5.74 | ng/ul | -0.01 |

## Target Compounds

|                            |       |     |         |        | Ovalue    |
|----------------------------|-------|-----|---------|--------|-----------|
| 47) Acenaphthylene         | 14.22 | 152 | 72373   | 1.557  | ng/ul 97  |
| 69) Phenanthrene           | 17.29 | 178 | 709947  | 11.802 | ng/ul 99  |
| 71) Anthracene             | 17.38 | 178 | 193533  | 3.108  | ng/ul 97  |
| 74) Fluoranthene           | 19.30 | 202 | 1803362 | 24.841 | ng/ul# 92 |
| 77) Pyrene                 | 19.67 | 202 | 1651105 | 19.370 | ng/ul# 92 |
| 80) Benzo(a)anthracene     | 21.41 | 228 | 971475  | 11.567 | ng/ul 98  |
| 82) Chrysene               | 21.46 | 228 | 808868m | 10.258 | ng/ul     |
| 85) Benzo(b)fluoranthene   | 23.06 | 252 | 827967  | 11.564 | ng/ul# 93 |
| 86) Benzo(k)fluoranthene   | 23.09 | 252 | 331881m | 4.810  | ng/ul     |
| 88) Benzo(a)pyrene         | 23.66 | 252 | 618485  | 9.165  | ng/ul# 94 |
| 89) Indeno(1,2,3-cd)pyrene | 26.15 | 276 | 337627  | 4.711  | ng/ul# 88 |
| 90) Dibenzo(a,h)anthracene | 26.14 | 278 | 98142   | 1.629  | ng/ul# 60 |
| 91) Benzo(g,h,i)perylene   | 26.89 | 276 | 309788  | 5.278  | ng/ul# 85 |

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

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