

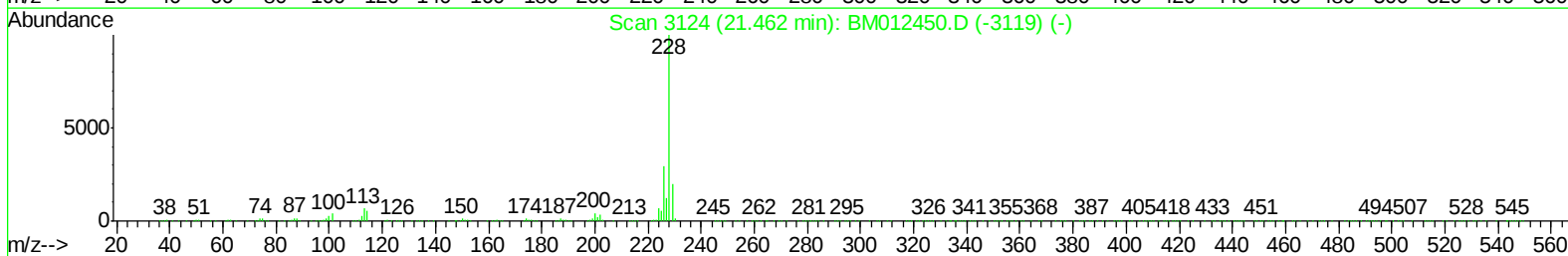
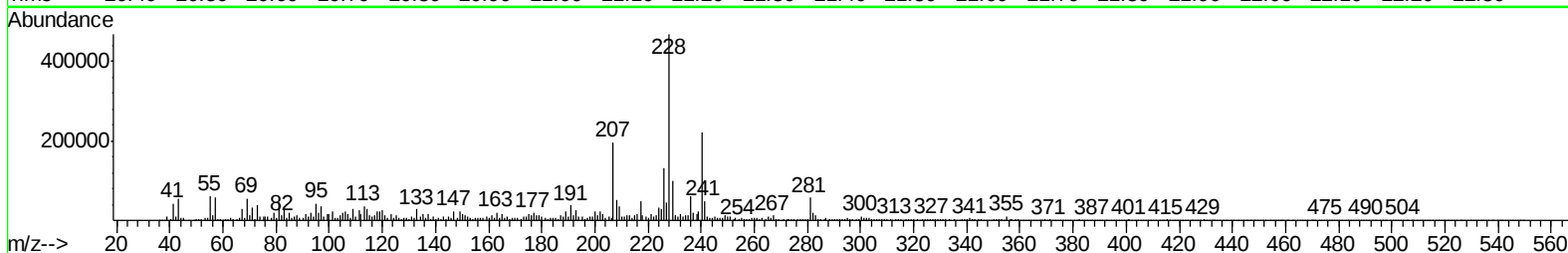
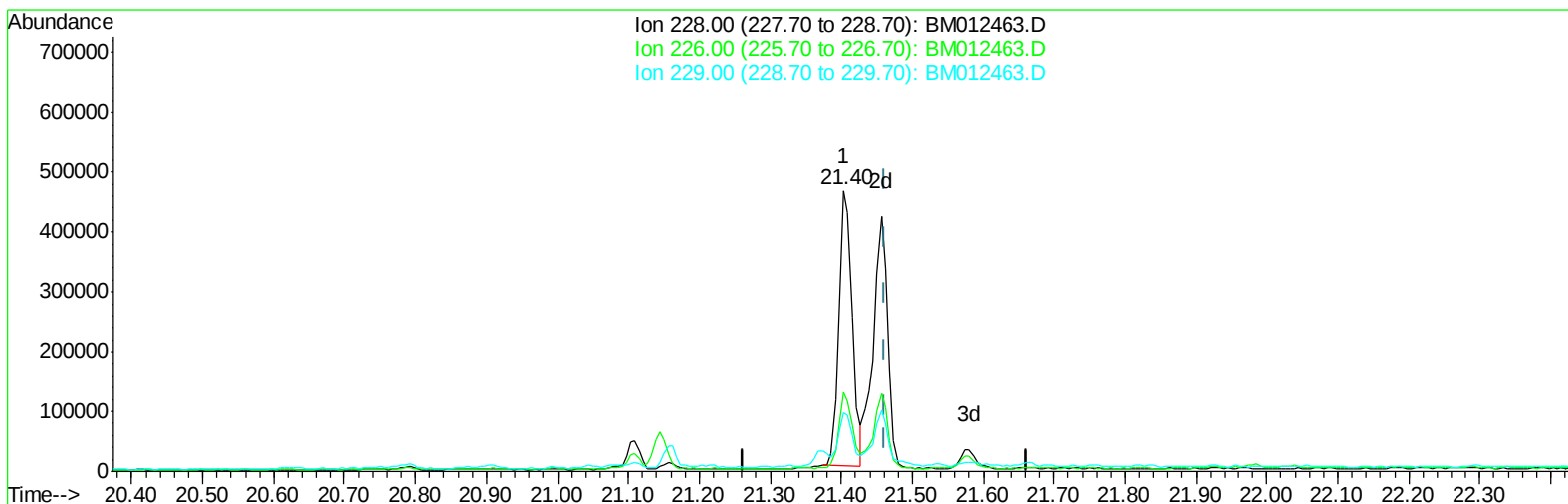
Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\  
Data File : BM012463.D  
Acq On : 26 Oct 2017 02:38  
Operator : SJ/JU  
Sample : I5873-02 2X  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
B-13(0-1) 101117

Manual Integrations  
APPROVED

Sohil  
10/27/2017 8:54:30 AM

Quant Time: Oct 26 06:14:19 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 26 05:23:19 2017  
Response via : Initial Calibration



TIC: BM012463.D

(82) Chrysene

21.403min (-0.059) 4.12ng/ul

response 603844

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 29.30 | 28.25 |
| 229.00 | 19.40 | 21.03 |
| 0.00   | 0.00  | 0.00  |

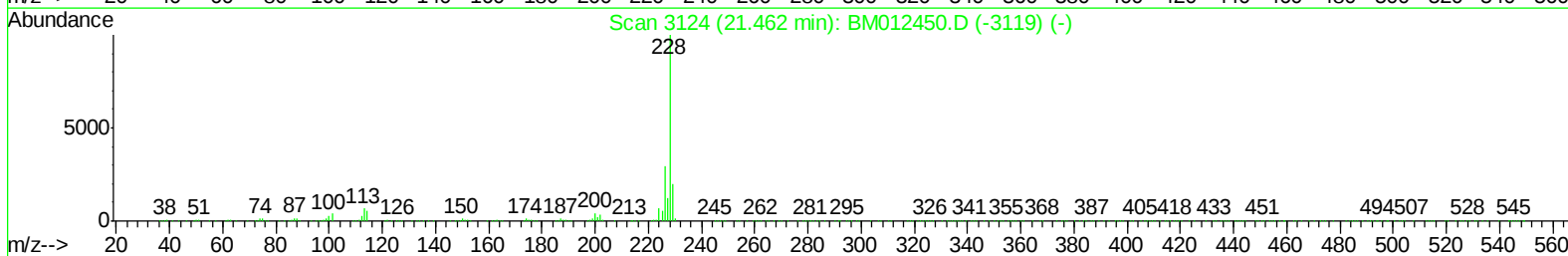
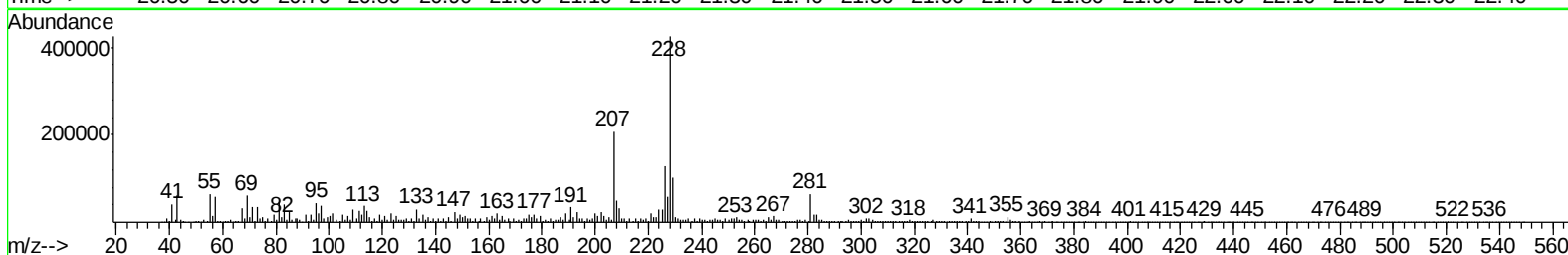
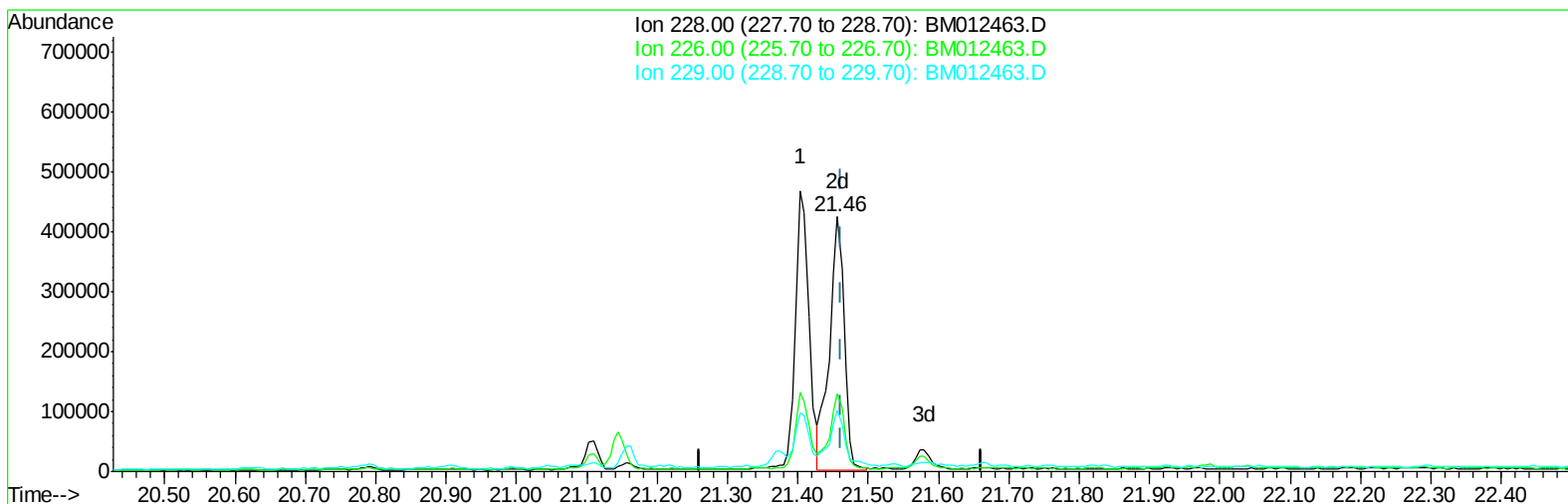
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Instrument :  
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B-13(0-1)\_101117

Manual Integrations  
APPROVED

Sohil  
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Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 26 05:23:19 2017  
Response via : Initial Calibration



TIC: BM012463.D

(82) Chrysene

21.456min (-0.006) 4.19ng/ul m

response 614572

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 226.00 | 29.30 | 30.41  |
| 229.00 | 19.40 | 23.91# |
| 0.00   | 0.00  | 0.00   |

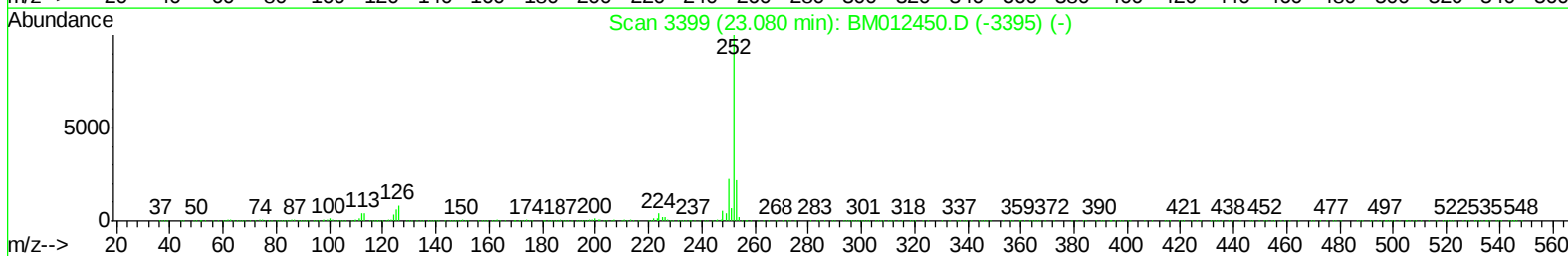
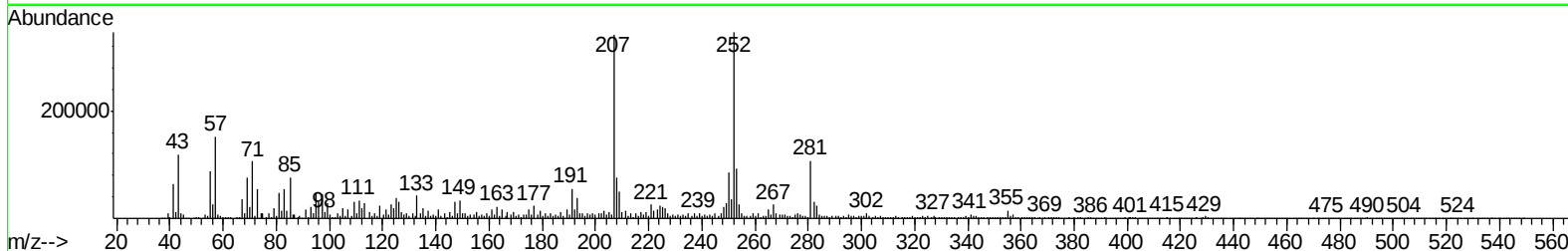
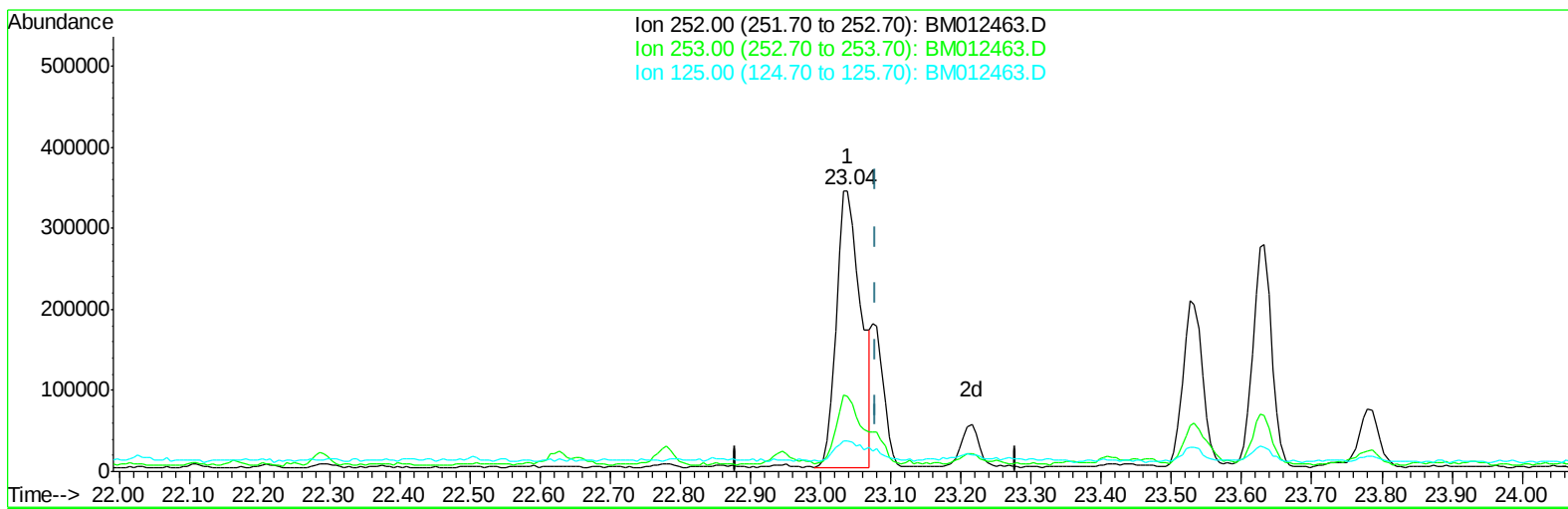
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Data File : BM012463.D  
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Operator : SJ/JU  
Sample : I5873-02 2X  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
B-13(0-1) 101117

Manual Integrations  
APPROVED

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Response via : Initial Calibration



TIC: BM012463.D

(86) Benzo(k)fluoranthene

23.039min (-0.041) 4.87ng/ul

response 818623

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.40 | 26.95# |
| 125.00 | 4.30  | 10.95# |
| 0.00   | 0.00  | 0.00   |

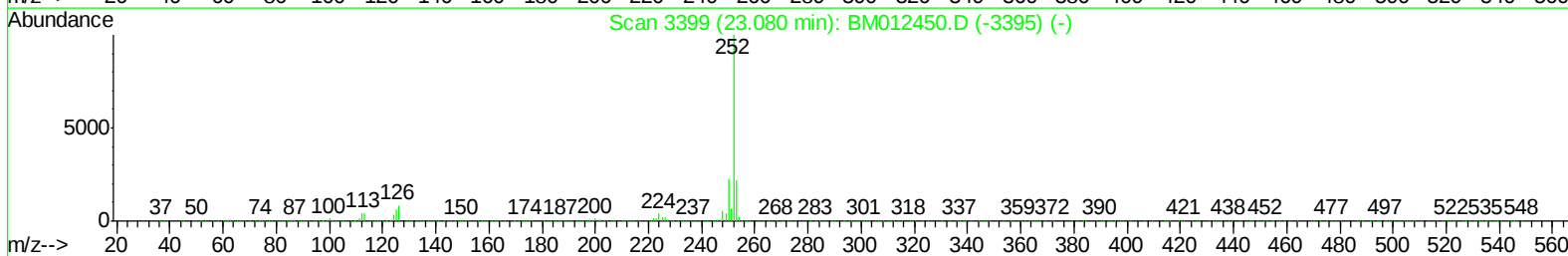
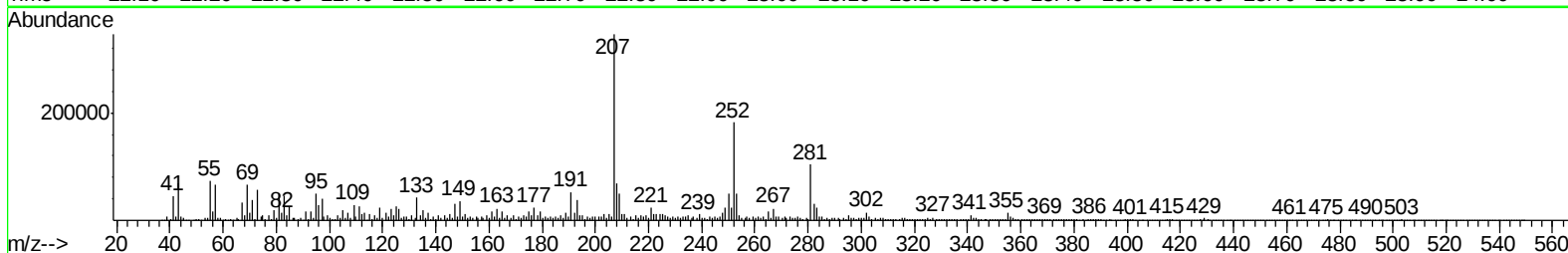
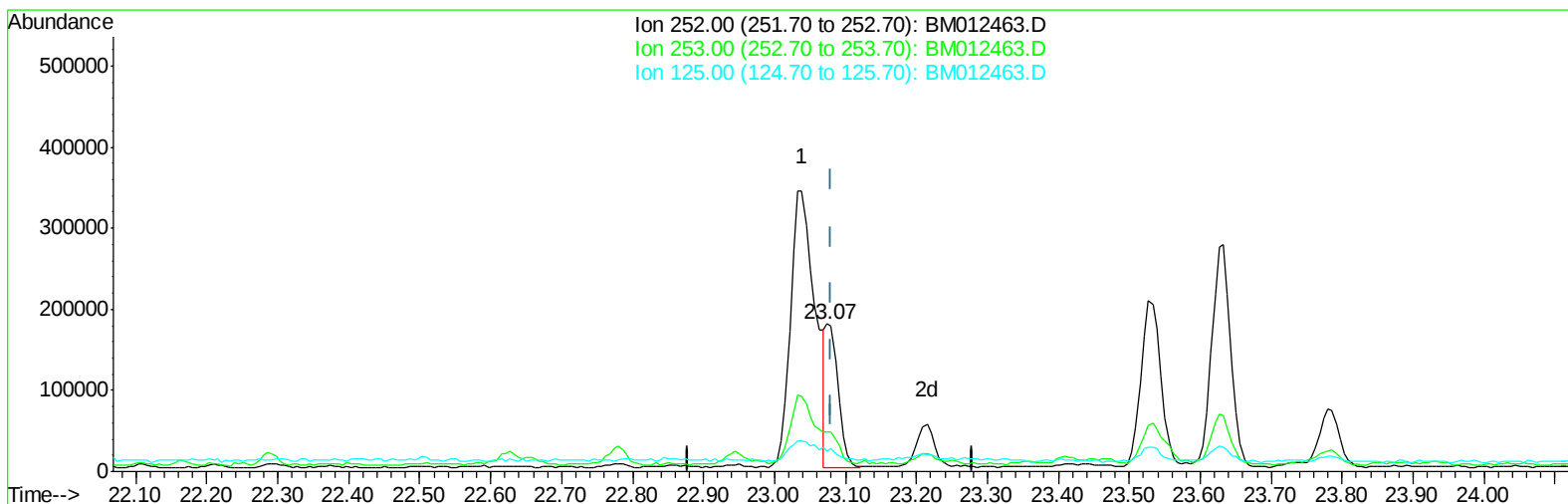
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ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
B-13(0-1) 101117

Manual Integrations  
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Response via : Initial Calibration



TIC: BM012463.D

(86) Benzo(k)fluoranthene

23.074min (-0.006) 1.31ng/ul m

response 220462

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.40 | 26.99# |
| 125.00 | 4.30  | 13.90# |
| 0.00   | 0.00  | 0.00   |

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 Operator : SJ/JU  
 Sample : I5873-02 2X  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 B-13(0-1) 101117

Manual Integrations  
 APPROVED

Sohil  
 10/27/2017 8:54:30 AM

Quant Time: Oct 26 09:23:31 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 26 05:23:19 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.88  | 152  | 603431   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.67 | 136  | 2494566  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.51 | 164  | 1570990  | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.25 | 188  | 3537573  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.42 | 240  | 2752912  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.73 | 264  | 2888911  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.37  | 96  | 25429   | 2.15  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.05  | 99  | 461626  | 9.16  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.21  | 67  | 330655  | 11.05 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.42  | 132 | 252040  | 6.68  | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.59  | 113 | 409958  | 9.52  | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.03  | 128 | 212365  | 13.59 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.76  | 143 | 83512   | 5.19  | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.29 | 165 | 138719  | 3.25  | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.80 | 131 | 423855  | 9.43  | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.92 | 166 | 1538958 | 11.21 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.20 | 160 | 1852516 | 11.41 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.72 | 143 | 2616    | 0.13  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.50 | 176 | 1345805 | 11.59 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.62 | 200 | 230     | 0.01  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.35 | 188 | 2031757 | 12.05 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.64 | 212 | 1943711 | 15.39 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.59 | 264 | 1654524 | 12.06 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |       |        | Ovalue |
|--------------------------------|-------|-----|---------|-------|--------|--------|
| 6) Phenol                      | 7.07  | 94  | 92685   | 1.77  | ng/ul# | 86     |
| 69) Phenanthrene               | 17.29 | 178 | 1077927 | 5.63  | ng/ul  | 99     |
| 74) Fluoranthene               | 19.30 | 202 | 1599970 | 7.38  | ng/ul# | 95     |
| 77) Pyrene                     | 19.67 | 202 | 1282923 | 8.19  | ng/ul# | 96     |
| 78) Butylbenzylphthalate       | 20.56 | 149 | 94427   | 1.53  | ng/ul  | 99     |
| 80) Benzo(a)anthracene         | 21.40 | 228 | 603844  | 3.66  | ng/ul  | 97     |
| 81) Bis(2-ethylhexyl)phthalate | 21.34 | 149 | 3204730 | 34.15 | ng/ul  | 99     |
| 82) Chrysene                   | 21.46 | 228 | 614572m | 4.19  | ng/ul  |        |
| 85) Benzo(b)fluoranthene       | 23.04 | 252 | 818623  | 4.58  | ng/ul# | 89     |
| 86) Benzo(k)fluoranthene       | 23.07 | 252 | 220462m | 1.31  | ng/ul  |        |
| 88) Benzo(a)pyrene             | 23.63 | 252 | 510511  | 3.00  | ng/ul# | 93     |
| 89) Indeno(1,2,3-cd)pyrene     | 26.07 | 276 | 397346  | 1.98  | ng/ul  | 93     |
| 91) Benzo(g,h,i)perylene       | 26.80 | 276 | 303042  | 1.87  | ng/ul# | 87     |

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

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