

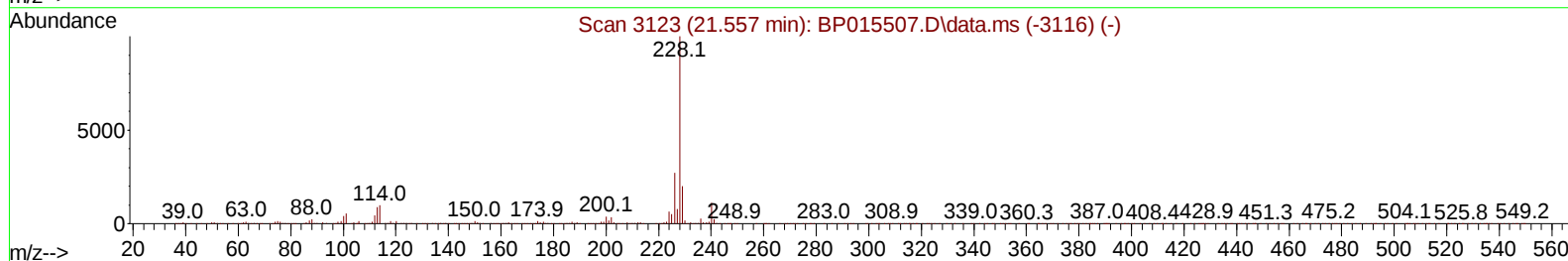
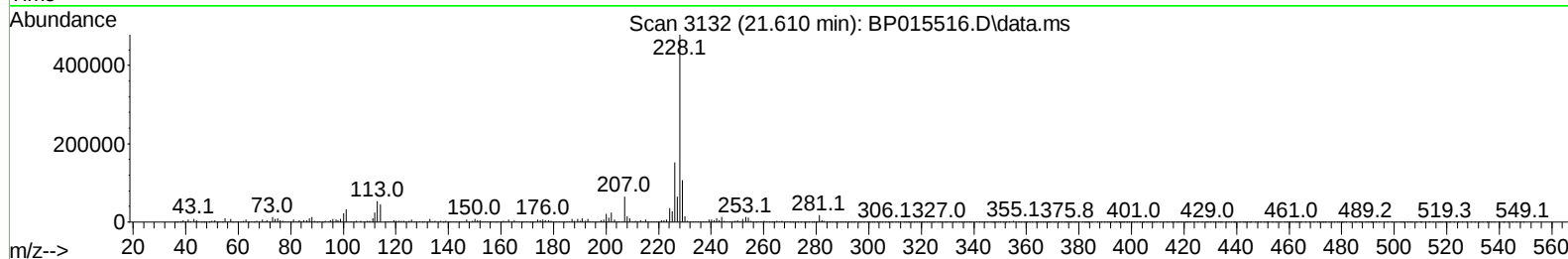
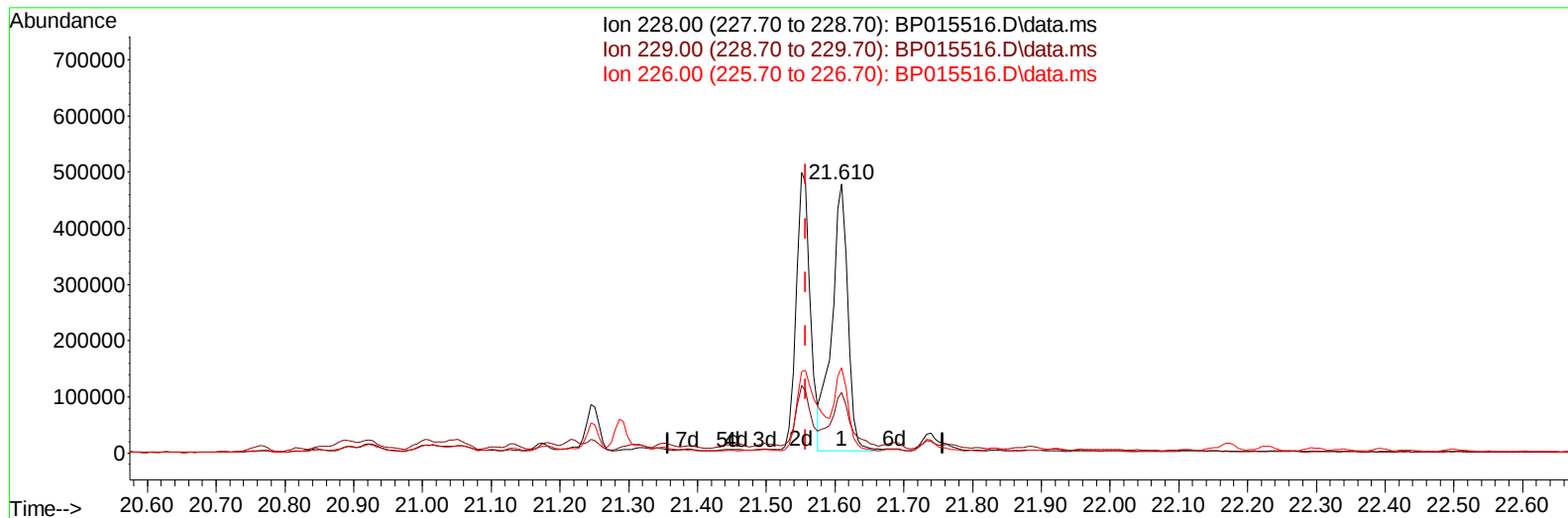
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP061423\  
 Data File : BP015516.D  
 Acq On : 14 Jun 2023 14:22  
 Operator : MA/JU  
 Sample : 02950-07  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EW984

Manual IntegrationsAPPROVED

Quant Time: Jun 14 23:31:26 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP060723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 09 23:33:38 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/15/2023  
 Supervised By :mohammad ahmed 06/16/2023



TIC: BP015516.D\data.ms

**(85) Benzo(a)anthracene**

**21.610min (+ 0.053) 7.75 ng/u1**

**response 775200**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.70  | 22.44  |
| 226.00 | 27.20  | 31.75  |
| 0.00   | 0.00   | 0.00   |

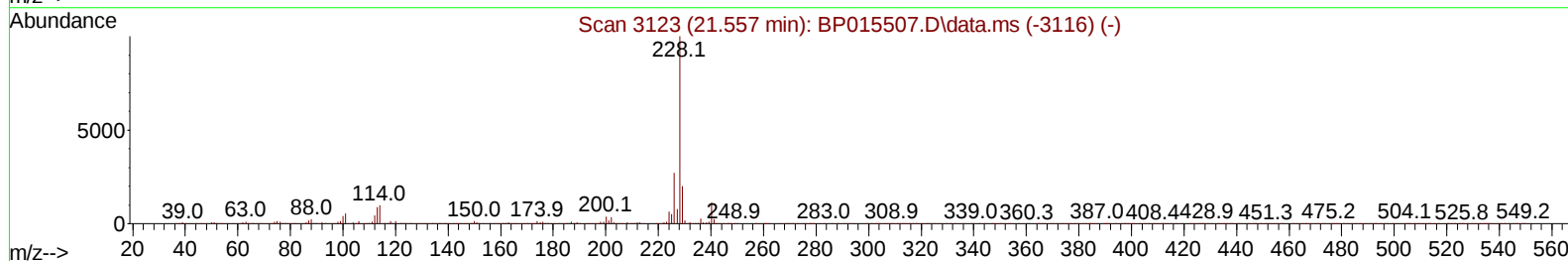
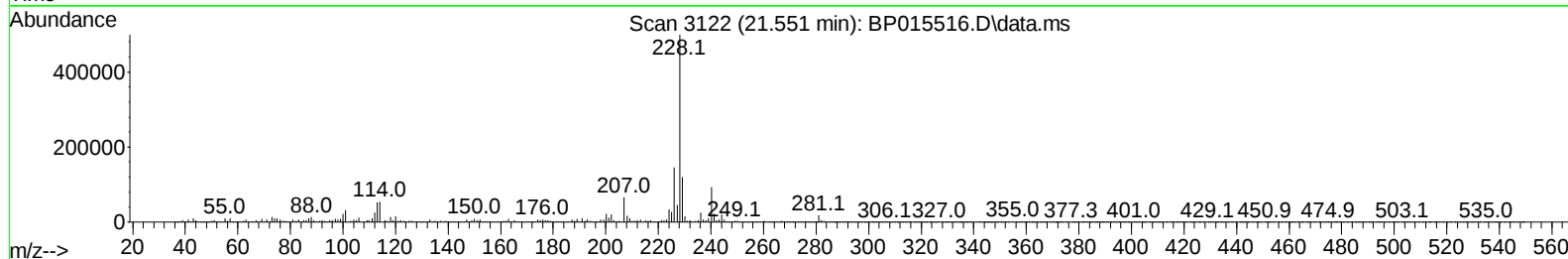
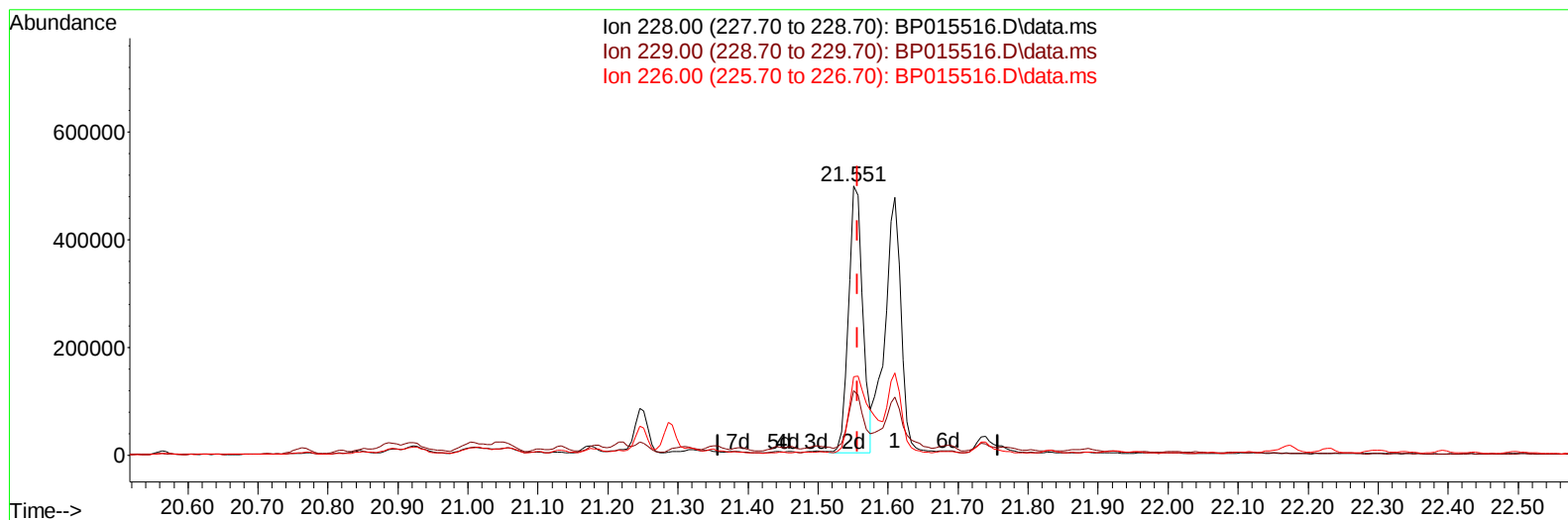
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP061423\  
 Data File : BP015516.D  
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Instrument :  
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Manual IntegrationsAPPROVED

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TIC: BP015516.D\data.ms

**(85) Benzo(a)anthracene**

**21.551min (-0.006) 7.01 ng/u1 m**

**response 701575**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.70  | 24.02# |
| 226.00 | 27.20  | 29.11  |
| 0.00   | 0.00   | 0.00   |

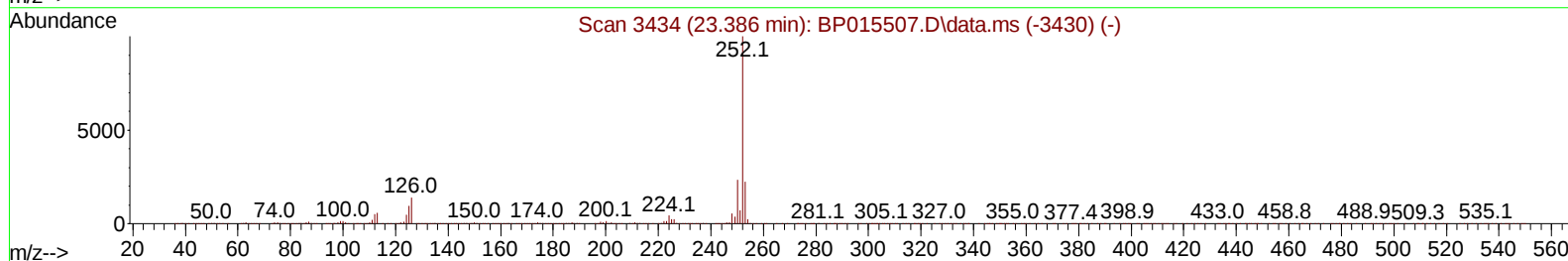
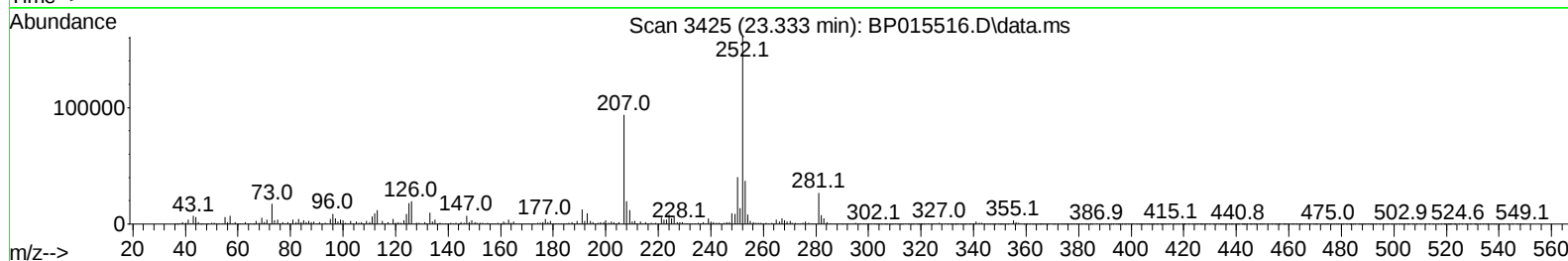
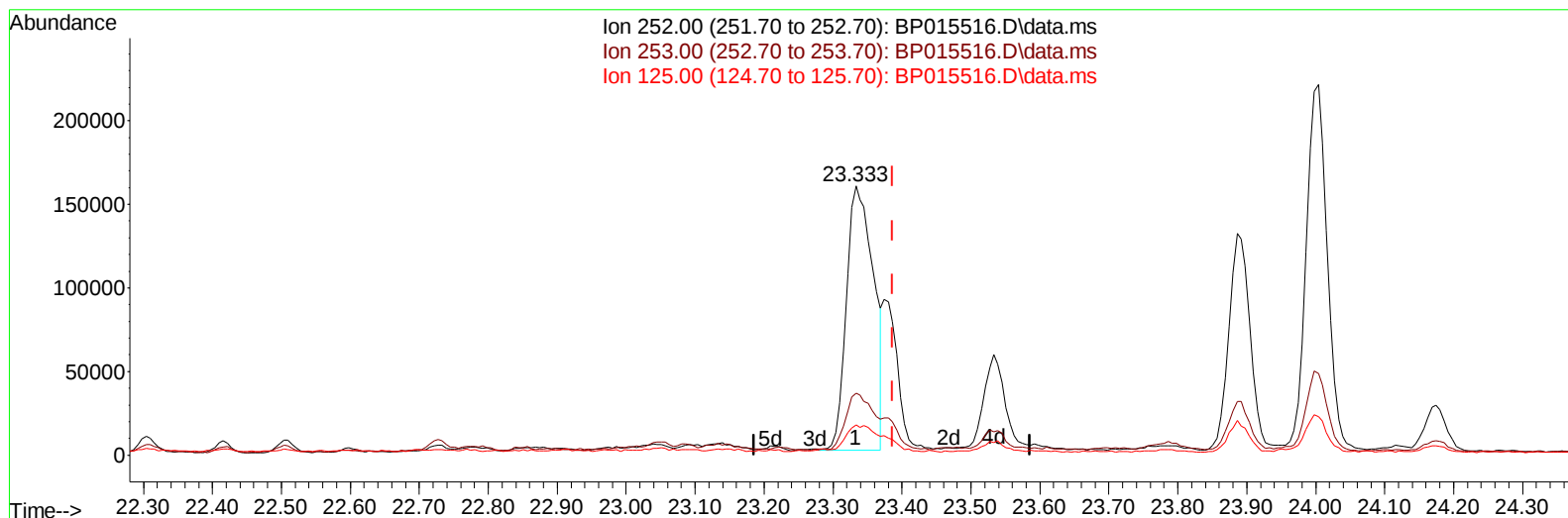
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP061423\  
 Data File : BP015516.D  
 Acq On : 14 Jun 2023 14:22  
 Operator : MA/JU  
 Sample : 02950-07  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EW984

Manual IntegrationsAPPROVED

Quant Time: Jun 14 23:32:18 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP060723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 09 23:33:38 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/15/2023  
 Supervised By :mohammad ahmed 06/16/2023



TIC: BP015516.D\data.ms

**(91) Benzo(k)fluoranthene**

**23.333min (-0.053) 4.05 ng/u1**

**response 430799**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.10  | 22.98  |
| 125.00 | 9.10   | 11.17# |
| 0.00   | 0.00   | 0.00   |

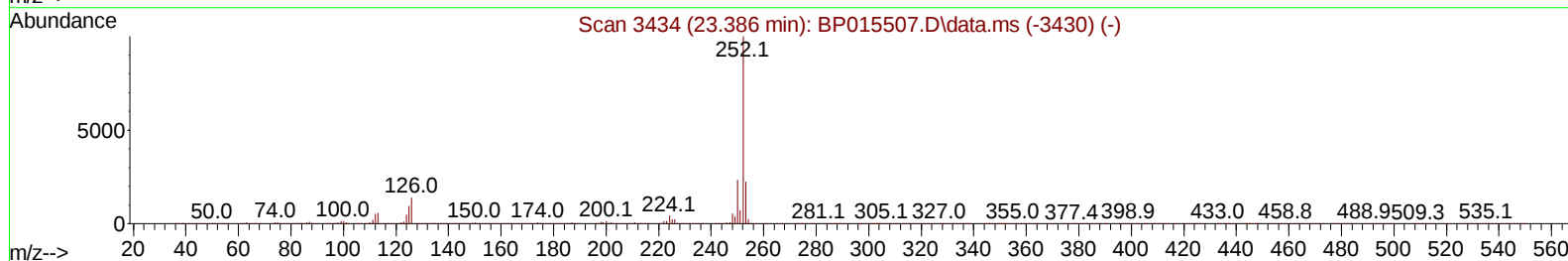
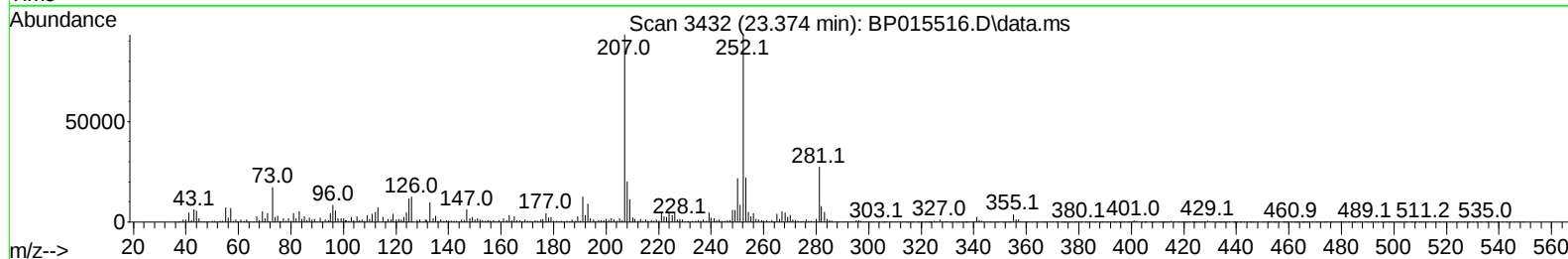
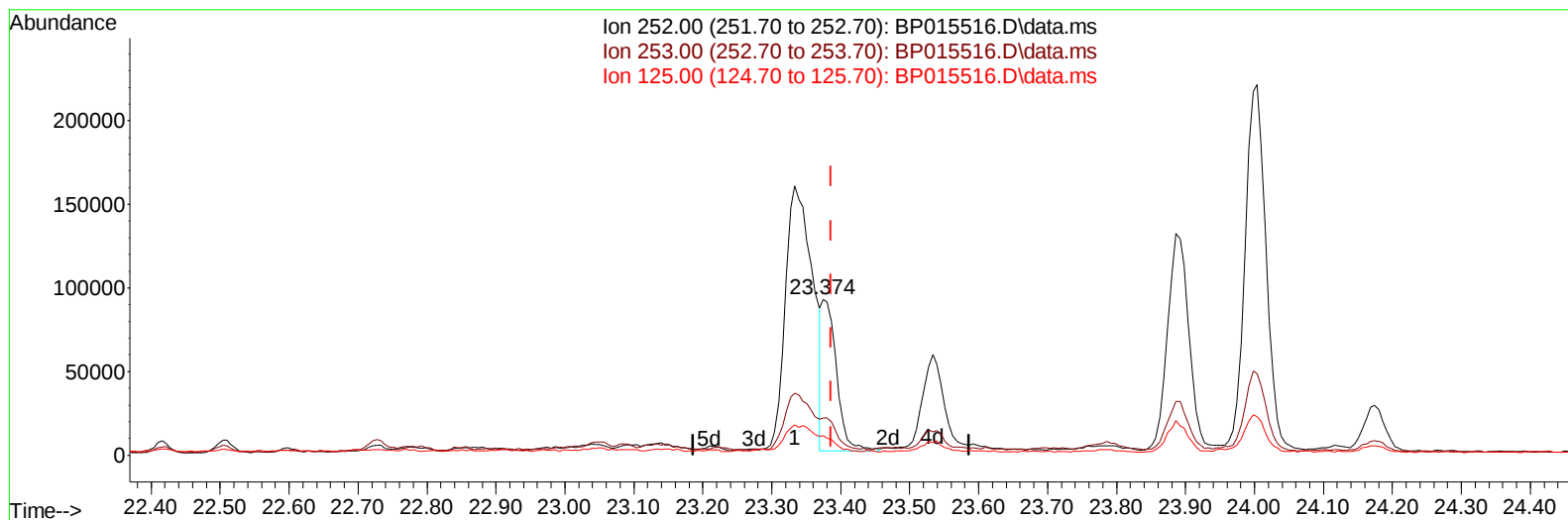
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP061423\  
 Data File : BP015516.D  
 Acq On : 14 Jun 2023 14:22  
 Operator : MA/JU  
 Sample : 02950-07  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EW984

Manual IntegrationsAPPROVED

Quant Time: Jun 14 23:32:18 2023  
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TIC: BP015516.D\data.ms

**(91) Benzo(k)fluoranthene**

**23.374min (-0.012) 1.28 ng/ul m**

**response 136775**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.10  | 23.71  |
| 125.00 | 9.10   | 12.51# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP061423\  
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 Acq On : 14 Jun 2023 14:22  
 Operator : MA/JU  
 Sample : 02950-07  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EW984

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/15/2023  
 Supervised By :mohammad ahmed 06/16/2023

Quant Time: Jun 14 23:32:51 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP060723.MA.M  
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 QLast Update : Fri Jun 09 23:33:38 2023  
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| Compound                      | R.T.   | Q   | Ion | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|-----|-----|----------|--------|--------|----------|
| -----                         |        |     |     |          |        |        |          |
| Internal Standards            |        |     |     |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.087  | 152 |     | 199823   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.916 | 136 |     | 942899   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.734 | 164 |     | 643649   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.486 | 188 |     | 1476091  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.569 | 240 |     | 1431208  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.121 | 264 |     | 1706222  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |     |     |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.405  | 96  |     | 12698    | 2.353  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 0.000  | 84  |     | 0d       | 0.000  | ng/ul  |          |
| 7) Phenol-d5                  | 7.246  | 99  |     | 231885   | 12.596 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.410  | 67  |     | 162761   | 14.804 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.616  | 132 |     | 191689   | 14.362 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.805  | 113 |     | 150964   | 9.992  | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.269  | 128 |     | 103221   | 13.944 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.993  | 143 |     | 118076   | 13.967 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.540 | 165 |     | 198944   | 12.901 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.063 | 131 |     | 139115   | 6.285  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.134 | 166 |     | 784361   | 15.454 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.428 | 160 |     | 855204   | 15.409 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.945 | 143 |     | 69355    | 7.630  | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.722 | 176 |     | 689696   | 16.114 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.851 | 200 |     | 91161    | 9.749  | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.586 | 188 |     | 1099381  | 16.370 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.810 | 212 |     | 1444901  | 18.863 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.951 | 264 |     | 1541146  | 18.002 | ng/ul  | 0.00     |
| Target Compounds              |        |     |     |          |        |        |          |
|                               |        |     |     |          |        | Qvalue |          |
| 16) Acetophenone              | 8.928  | 105 |     | 134640   | 5.584  | ng/ul  | 97       |
| 36) 2-Methylnaphthalene       | 12.569 | 142 |     | 152716   | 4.252  | ng/ul  | 99       |
| 37) 1-Methylnaphthalene       | 12.787 | 142 |     | 225804   | 6.244  | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.457 | 152 |     | 88095    | 1.433  | ng/ul# | 89       |
| 52) Acenaphthene              | 14.798 | 153 |     | 328626   | 7.735  | ng/ul  | 99       |
| 61) Fluorene                  | 15.781 | 166 |     | 276241   | 5.628  | ng/ul  | 98       |
| 72) Phenanthrene              | 17.533 | 178 |     | 2223476  | 28.070 | ng/ul  | 100      |
| 74) Anthracene                | 17.622 | 178 |     | 604508   | 7.521  | ng/ul  | 100      |
| 80) Fluoranthene              | 19.486 | 202 |     | 1097219  | 11.759 | ng/ul  | 99       |
| 82) Pyrene                    | 19.839 | 202 |     | 1613383  | 16.713 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.551 | 228 |     | 701575m  | 7.012  | ng/ul  |          |
| 87) Chrysene                  | 21.610 | 228 |     | 771713   | 8.160  | ng/ul  | 95       |
| 90) Benzo(b)fluoranthene      | 23.333 | 252 |     | 430799   | 3.911  | ng/ul# | 97       |
| 91) Benzo(k)fluoranthene      | 23.374 | 252 |     | 136775m  | 1.285  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.004 | 252 |     | 461224   | 4.803  | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 26.809 | 276 |     | 155975   | 1.255  | ng/ul# | 89       |
| 96) Benzo(g,h,i)perylene      | 27.639 | 276 |     | 144442   | 1.410  | ng/ul  | 99       |
| -----                         |        |     |     |          |        |        |          |

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

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