

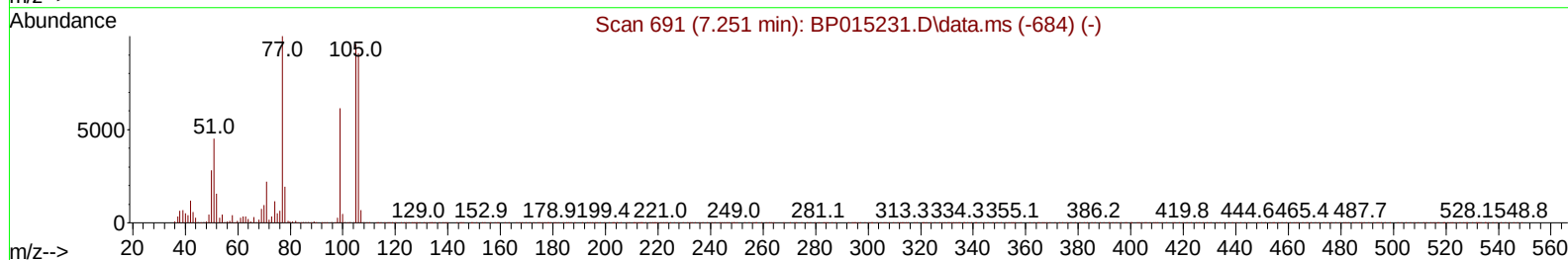
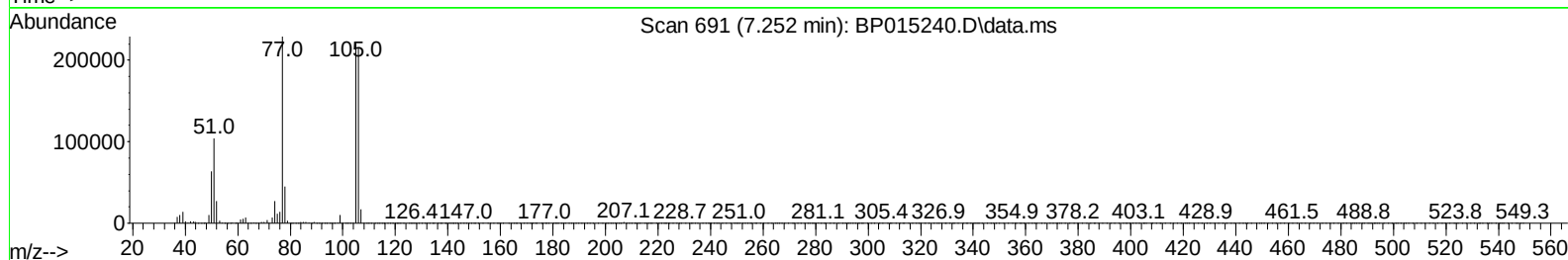
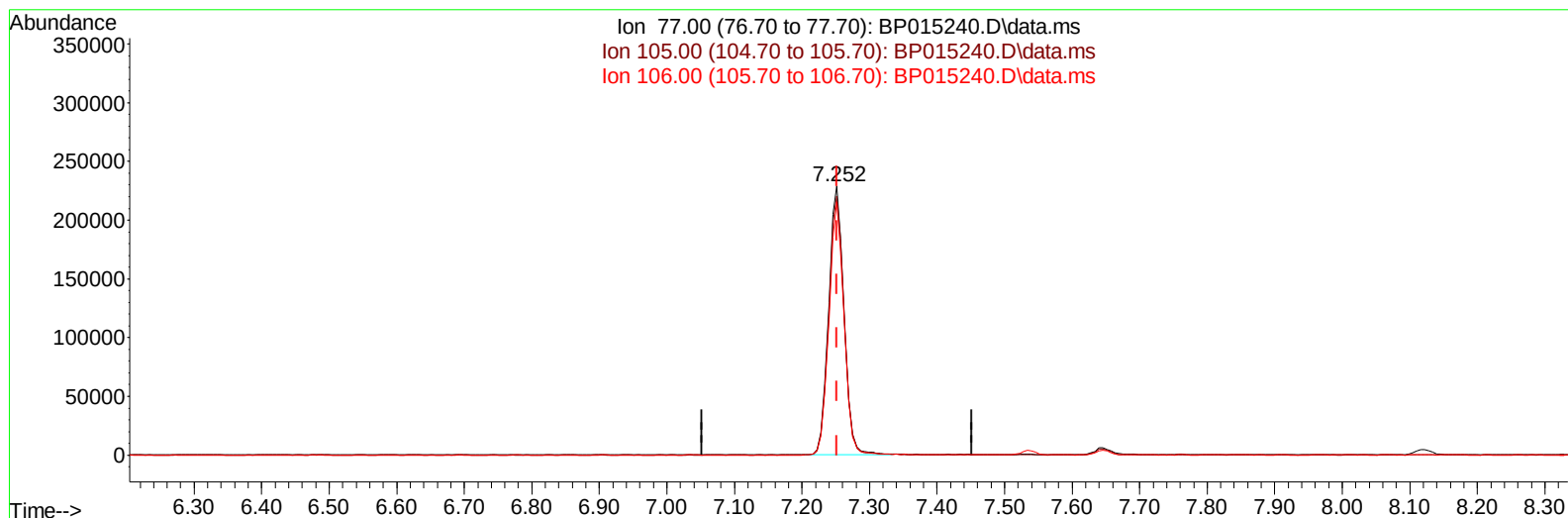
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052323\  
 Data File : BP015240.D  
 Acq On : 23 May 2023 14:52  
 Operator : CG/JU  
 Sample : 02861-07MS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 H0FL1MS

Manual IntegrationsAPPROVED

Quant Time: May 23 16:36:34 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP051123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 23 01:25:41 2023  
 Response via : Initial Calibration

Reviewed By :Christian Giraldo 05/24/2023  
 Supervised By :mohammad ahmed 05/24/2023



TIC: BP015240.D\data.ms

**(6) Benzaldehyde**

7.252min (-0.000) 69.34 ng/u1

response 361387

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 77.00  | 100.00 | 100.00 |
| 105.00 | 96.10  | 96.42  |
| 106.00 | 93.80  | 94.07  |
| 0.00   | 0.00   | 0.00   |

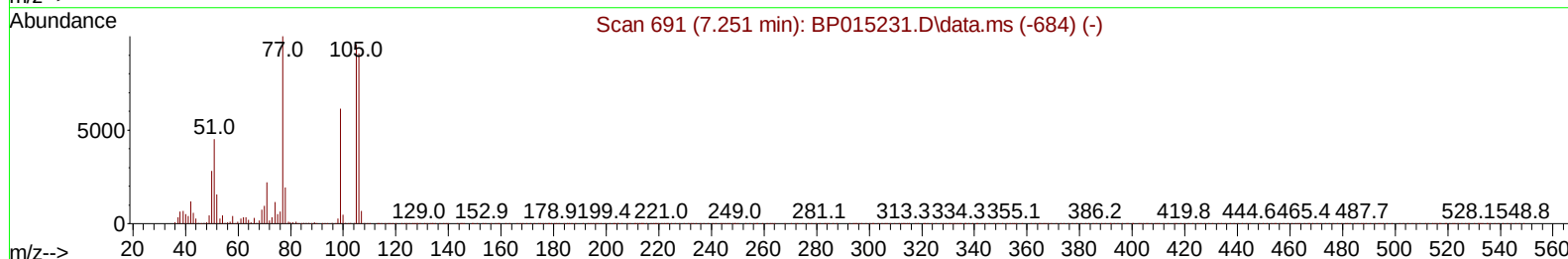
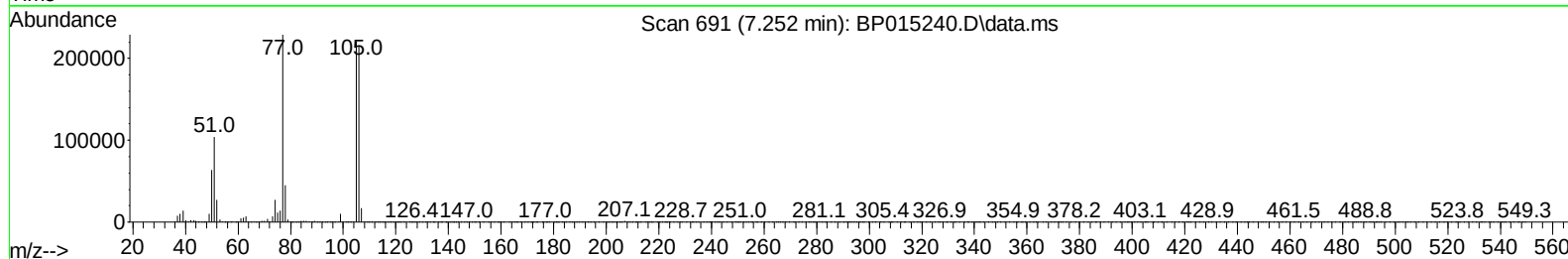
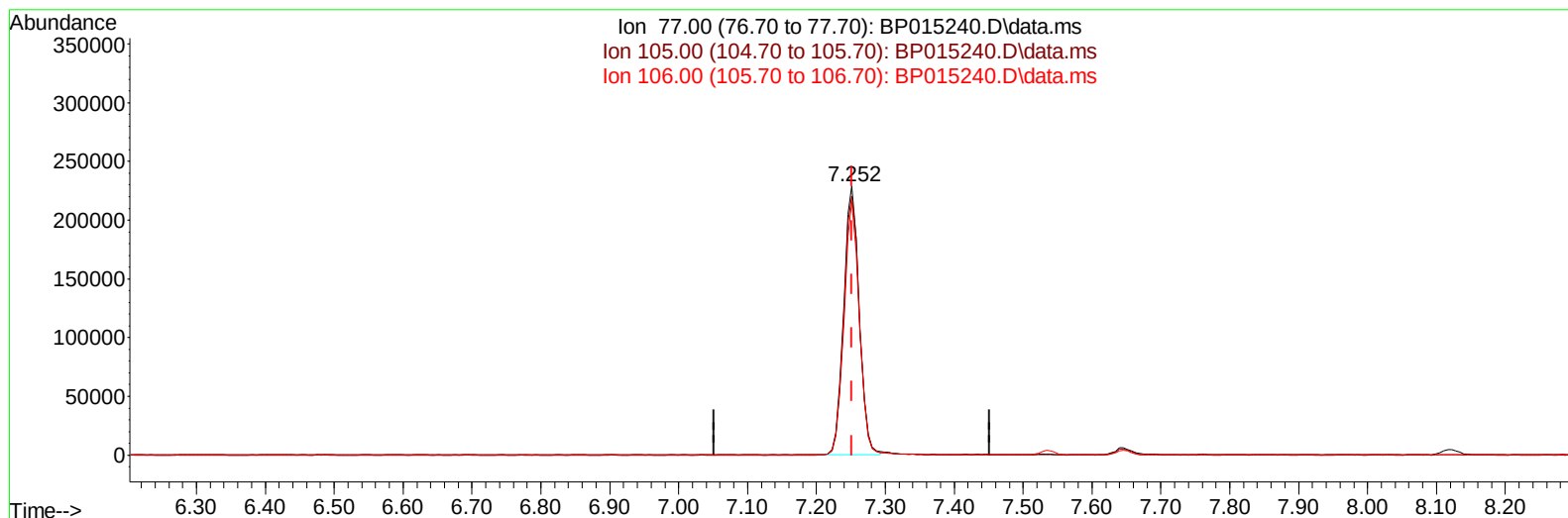
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052323\  
 Data File : BP015240.D  
 Acq On : 23 May 2023 14:52  
 Operator : CG/JU  
 Sample : 02861-07MS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 H0FL1MS

Manual IntegrationsAPPROVED

Quant Time: May 23 16:36:34 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP051123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 23 01:25:41 2023  
 Response via : Initial Calibration

Reviewed By :Christian Giraldo 05/24/2023  
 Supervised By :mohammad ahmed 05/24/2023



TIC: BP015240.D\data.ms

**(6) Benzaldehyde**

7.252min (-0.000) 68.77 ng/ul m

response 358403

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 77.00  | 100.00 | 100.00 |
| 105.00 | 96.10  | 96.42  |
| 106.00 | 93.80  | 94.07  |
| 0.00   | 0.00   | 0.00   |

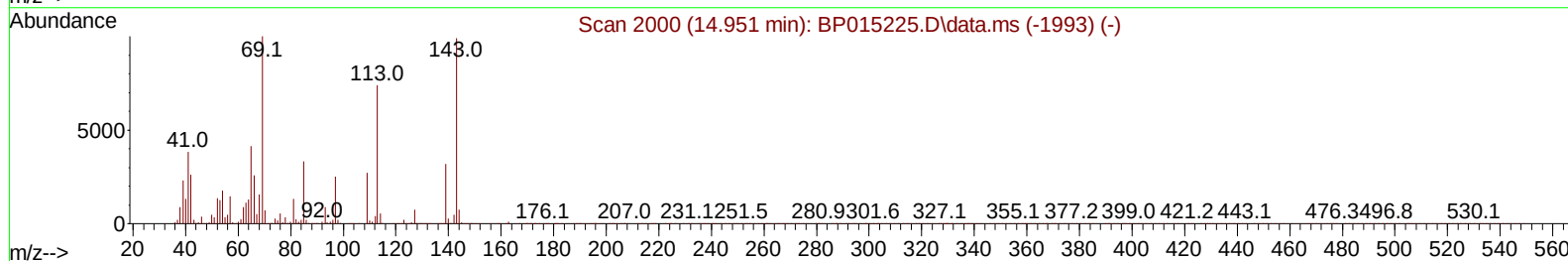
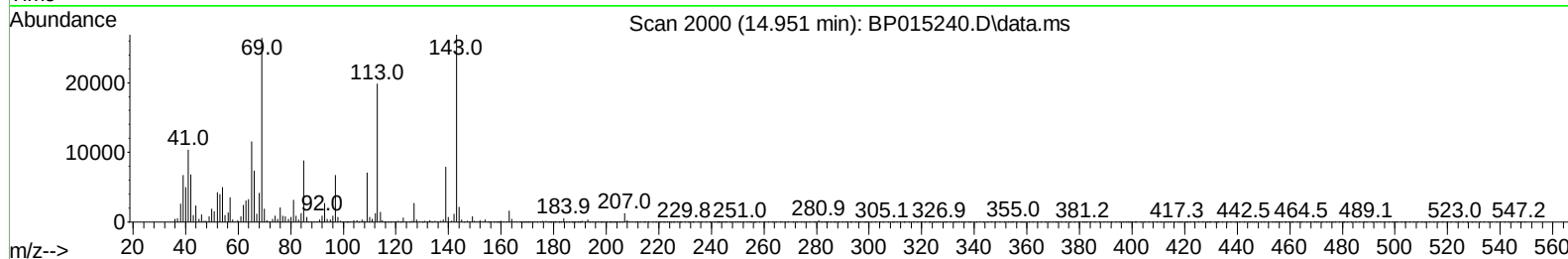
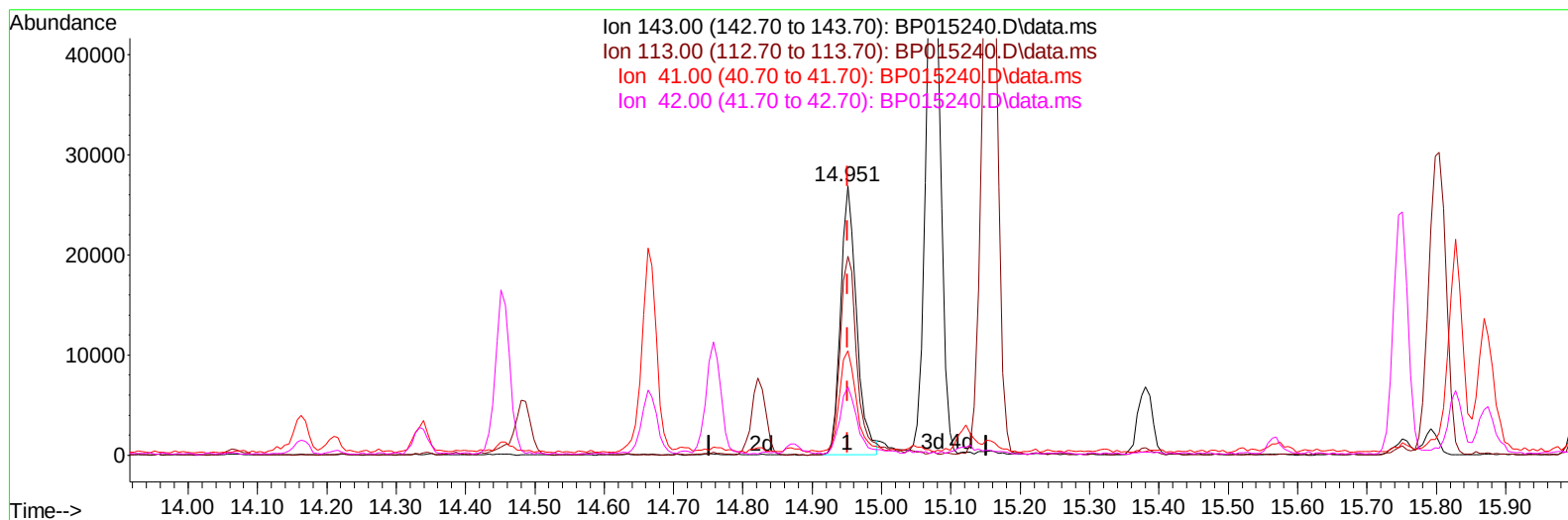
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052323\  
 Data File : BP015240.D  
 Acq On : 23 May 2023 14:52  
 Operator : CG/JU  
 Sample : 02861-07MS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 H0FL1MS

Manual IntegrationsAPPROVED

Quant Time: May 23 19:02:20 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP051123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 23 01:25:41 2023  
 Response via : Initial Calibration

Reviewed By :Christian Giraldo 05/24/2023  
 Supervised By :mohammad ahmed 05/24/2023



TIC: BP015240.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.951min (-0.000) 5.33 ng/u1

response 42579

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 67.30  | 73.85  |
| 41.00  | 36.10  | 38.70  |
| 42.00  | 24.50  | 25.35  |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052323\  
 Data File : BP015240.D  
 Acq On : 23 May 2023 14:52  
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 Sample : 02861-07MS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 H0FL1MS

Manual IntegrationsAPPROVED

Quant Time: May 23 23:05:56 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP051123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 23 01:25:41 2023  
 Response via : Initial Calibration

Reviewed By :Christian Giraldo 05/24/2023  
 Supervised By :mohammad ahmed 05/24/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.122  | 152  | 204229   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.951 | 136  | 884160   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.757 | 164  | 544135   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.510 | 188  | 1154047  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.586 | 240  | 810182   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.145 | 264  | 886181   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.428  | 96   | 24584    | 4.677  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.869  | 84   | 107618   | 7.223  | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.269  | 99   | 112059   | 5.910  | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.440  | 67   | 395130   | 36.080 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.646  | 132  | 362338   | 25.989 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.834  | 113  | 242460   | 16.047 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.299  | 128  | 265957   | 38.280 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.022 | 143  | 272879   | 35.299 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.563 | 165  | 470060   | 33.697 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.087 | 131  | 288987   | 14.002 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.163 | 166  | 1803024  | 43.850 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.457 | 160  | 1917447  | 40.773 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.951 | 143  | 44094m   | 5.523  | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.751 | 176  | 1471908  | 42.423 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.869 | 200  | 223687   | 30.756 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.610 | 188  | 2172110  | 41.104 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.827 | 212  | 2332342  | 49.636 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.980 | 264  | 1989368  | 45.222 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.464  | 88   | 26168    | 4.633  | ng/ul# | 92       |
| 5) Pyridine                   | 3.893  | 79   | 173026   | 11.166 | ng/ul  | 97       |
| 6) Benzaldehyde               | 7.252  | 77   | 358403m  | 68.766 | ng/ul  |          |
| 8) Phenol                     | 7.299  | 94   | 127188   | 6.541  | ng/ul# | 91       |
| 10) Bis(2-Chloroethyl)ether   | 7.534  | 93   | 532624   | 34.238 | ng/ul  | 98       |
| 12) 2-Chlorophenol            | 7.681  | 128  | 367694   | 24.934 | ng/ul  | 98       |
| 13) 2-Methylphenol            | 8.563  | 108  | 286745   | 19.081 | ng/ul  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.657  | 45   | 684515   | 35.121 | ng/ul  | 100      |
| 16) Acetophenone              | 8.957  | 105  | 831567   | 35.262 | ng/ul  | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.934  | 70   | 435104   | 35.180 | ng/ul  | 96       |
| 18) 4-Methylphenol            | 8.899  | 108  | 269783   | 16.310 | ng/ul  | 98       |
| 19) Hexachloroethane          | 9.210  | 117  | 190860   | 31.697 | ng/ul  | 93       |
| 22) Nitrobenzene              | 9.340  | 77   | 654234   | 38.127 | ng/ul  | 97       |
| 23) Isophorone                | 9.869  | 82   | 1262133  | 35.785 | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 10.057 | 139  | 283919   | 33.492 | ng/ul# | 92       |
| 26) 2,4-Dimethylphenol        | 10.110 | 107  | 486567   | 28.763 | ng/ul  | 96       |
| 27) Bis(2-Chloroethoxy)met... | 10.351 | 93   | 778032   | 36.255 | ng/ul  | 97       |
| 29) 2,4-Dichlorophenol        | 10.593 | 162  | 461881   | 32.779 | ng/ul  | 98       |
| 30) Naphthalene               | 10.998 | 128  | 1676347  | 34.874 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 11.110 | 127  | 446744   | 21.060 | ng/ul  | 100      |
| 33) Hexachlorobutadiene       | 11.281 | 225  | 308795   | 36.361 | ng/ul  | 99       |
| 34) Caprolactam               | 11.898 | 113  | 21153    | 3.982  | ng/ul  | 87       |
| 35) 4-Chloro-3-methylphenol   | 12.222 | 107  | 497745   | 31.284 | ng/ul  | 99       |

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 Sample : 02861-07MS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 H0FL1MS

Manual IntegrationsAPPROVED

Quant Time: May 23 23:05:56 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP051123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 23 01:25:41 2023  
 Response via : Initial Calibration

Reviewed By :Christian Giraldo 05/24/2023  
 Supervised By :mohammad ahmed 05/24/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 36) 2-Methylnaphthalene       | 12.598 | 142  | 1175851  | 36.305 | ng/ul | 100      |
| 37) 1-Methylnaphthalene       | 12.816 | 142  | 1220843  | 37.536 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.963 | 216  | 645761   | 39.681 | ng/ul | 97       |
| 40) Hexachlorocyclopentadiene | 12.934 | 237  | 203987   | 19.346 | ng/ul | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.198 | 196  | 409954   | 35.675 | ng/ul | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.269 | 196  | 455071   | 36.523 | ng/ul | 99       |
| 43) 1,1'-Biphenyl             | 13.598 | 154  | 1654267  | 39.184 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.639 | 162  | 1288561  | 39.083 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.845 | 65   | 423057   | 44.846 | ng/ul | 92       |
| 47) Dimethylphthalate         | 14.210 | 163  | 1772653  | 41.396 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.339 | 165  | 385952   | 45.493 | ng/ul | 98       |
| 50) Acenaphthylene            | 14.486 | 152  | 1999104  | 38.099 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.669 | 138  | 319993   | 41.888 | ng/ul | 100      |
| 52) Acenaphthene              | 14.822 | 153  | 1404849  | 39.201 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.875 | 184  | 86670    | 15.387 | ng/ul | 94       |
| 55) 4-Nitrophenol             | 14.969 | 109  | 36579    | 6.229  | ng/ul | 88       |
| 56) Dibenzofuran              | 15.157 | 168  | 1989751  | 39.917 | ng/ul | 98       |
| 57) 2,4-Dinitrotoluene        | 15.122 | 165  | 533575   | 43.464 | ng/ul | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.381 | 232  | 374283   | 35.593 | ng/ul | 98       |
| 59) Diethylphthalate          | 15.569 | 149  | 1813790  | 42.468 | ng/ul | 100      |
| 61) Fluorene                  | 15.804 | 166  | 1597450  | 39.878 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.792 | 204  | 803811   | 41.068 | ng/ul | 96       |
| 63) 4-Nitroaniline            | 15.828 | 138  | 324201   | 49.145 | ng/ul | 89       |
| 66) 4,6-Dinitro-2-methylph... | 15.886 | 198  | 223418   | 29.765 | ng/ul | 99       |
| 67) N-Nitrosodiphenylamine    | 16.010 | 169  | 1205414  | 35.523 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether | 16.692 | 248  | 528039   | 44.422 | ng/ul | 99       |
| 69) Hexachlorobenzene         | 16.810 | 284  | 610046   | 43.428 | ng/ul | 98       |
| 70) Atrazine                  | 16.957 | 200  | 285560   | 22.767 | ng/ul | 99       |
| 71) Pentachlorophenol         | 17.157 | 266  | 267957   | 30.495 | ng/ul | 99       |
| 72) Phenanthrene              | 17.557 | 178  | 2563818  | 40.798 | ng/ul | 100      |
| 74) Anthracene                | 17.645 | 178  | 2509303  | 39.487 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.563 | 216  | 676103   | 41.320 | ng/uL | 99       |
| 76) Pentachlorobenzene        | 15.075 | 250  | 689657   | 41.977 | ng/uL | 100      |
| 77) Carbazole                 | 17.910 | 167  | 2225177  | 39.933 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.439 | 149  | 3087628  | 43.028 | ng/ul | 99       |
| 80) Fluoranthene              | 19.504 | 202  | 2799450  | 48.880 | ng/ul | 98       |
| 82) Pyrene                    | 19.857 | 202  | 2796621  | 47.286 | ng/ul | 98       |
| 83) Butylbenzylphthalate      | 20.710 | 149  | 1254494  | 47.846 | ng/ul | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.498 | 252  | 569234   | 31.991 | ng/ul | 96       |
| 85) Benzo(a)anthracene        | 21.568 | 228  | 2438351  | 43.527 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.468 | 149  | 1829163  | 48.458 | ng/ul | 100      |
| 87) Chrysene                  | 21.627 | 228  | 2294059  | 42.839 | ng/ul | 98       |
| 89) Di-n-octyl phthalate      | 22.445 | 149  | 2847137  | 46.911 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.357 | 252  | 2401194  | 42.742 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.410 | 252  | 2382756  | 44.171 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.033 | 252  | 2085854  | 42.006 | ng/ul | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.856 | 276  | 2841001  | 44.186 | ng/ul | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.874 | 278  | 2353487  | 44.591 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 27.692 | 276  | 2355459  | 44.926 | ng/ul | 97       |

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

**Instrument :**

BNA\_P

**ClientSampleId :**

H0FL1MS

**Manual IntegrationsAPPROVED**

Reviewed By :Christian Giraldo 05/24/2023

Supervised By :mohammad ahmed 05/24/2023

