

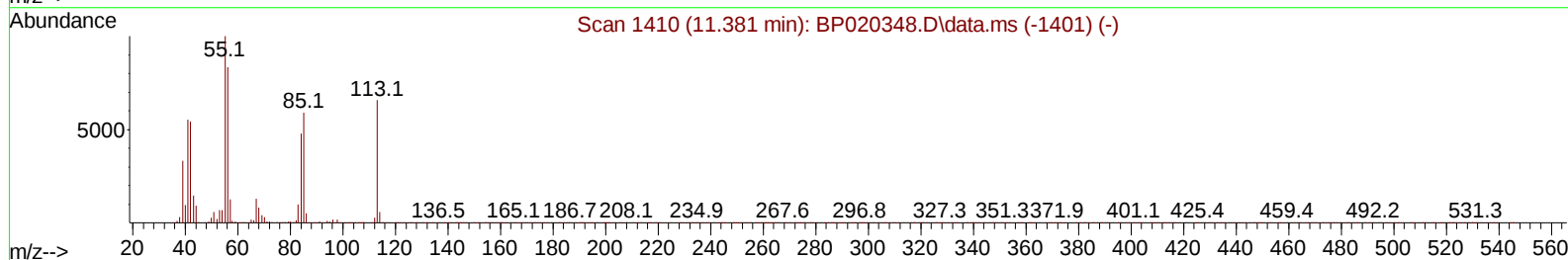
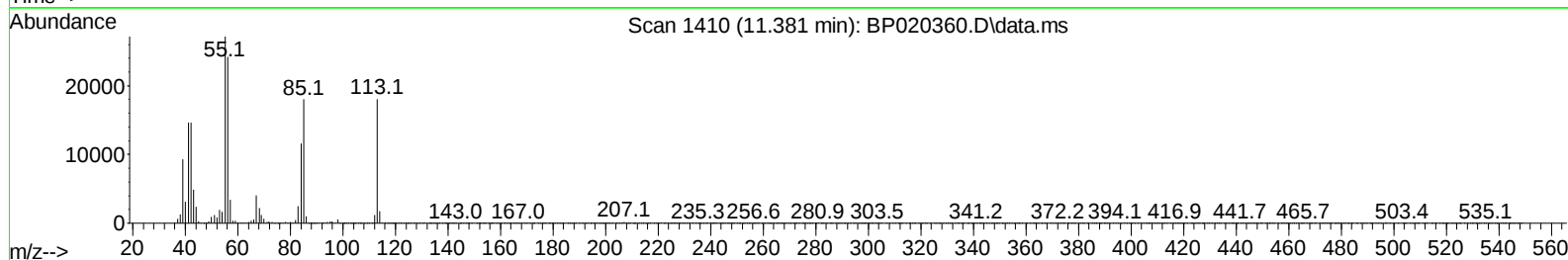
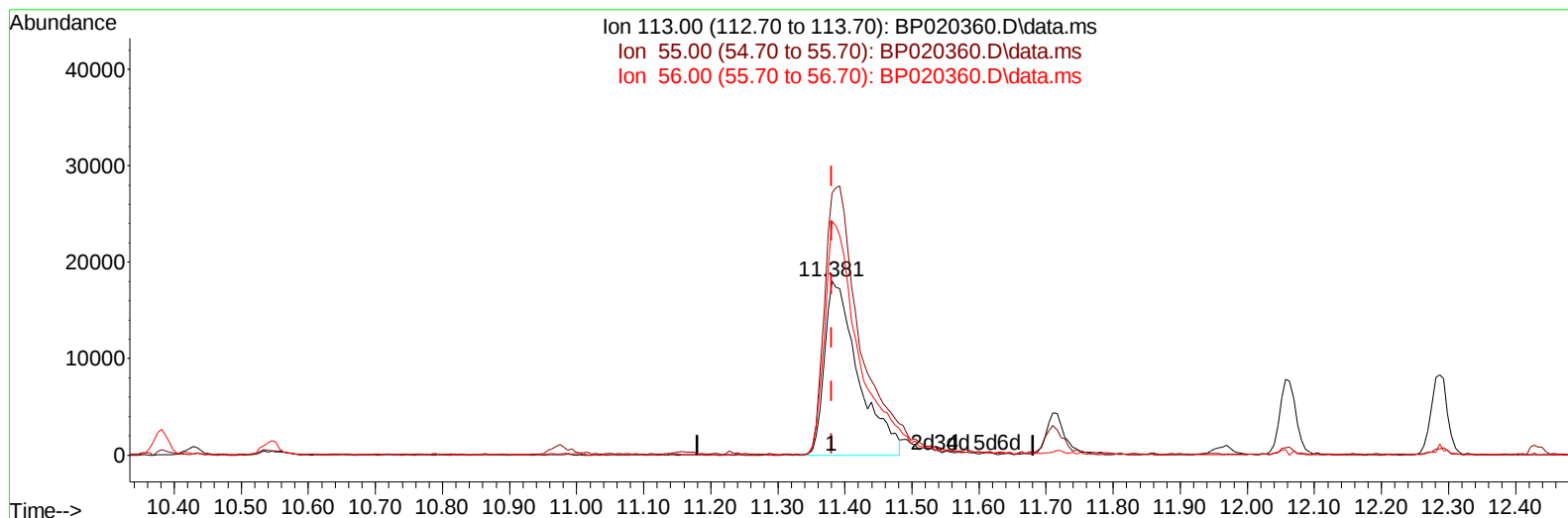
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051324\  
Data File : BP020360.D  
Acq On : 13 May 2024 19:19  
Operator : MA/JU  
Sample : P2371-02MS  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A43Q5MS

Manual IntegrationsAPPROVED

Quant Time: May 13 22:29:40 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon May 13 10:50:47 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/14/2024  
Supervised By :mohammad ahmed 05/15/2024



TIC: BP020360.D\data.ms

(34) Caprolactam

11.381min (+ 0.000) 39.73 ng/ul

response 63169

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 163.80 | 150.51 |
| 56.00  | 131.80 | 134.19 |
| 0.00   | 0.00   | 0.00   |

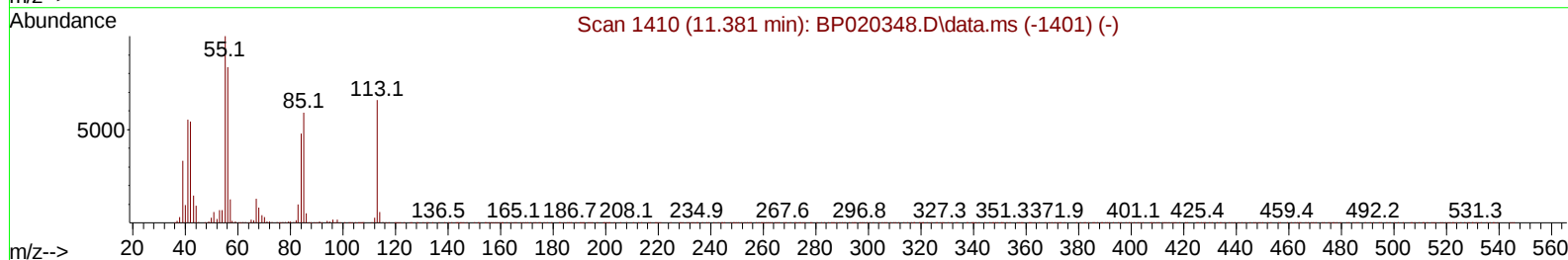
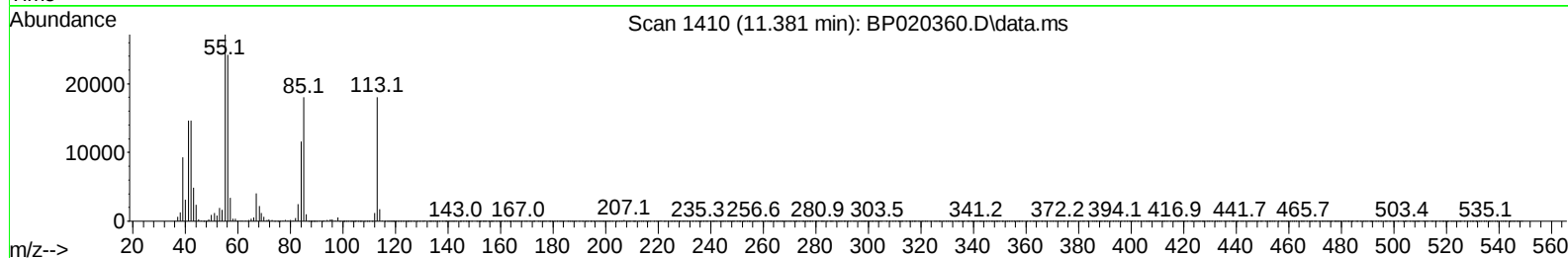
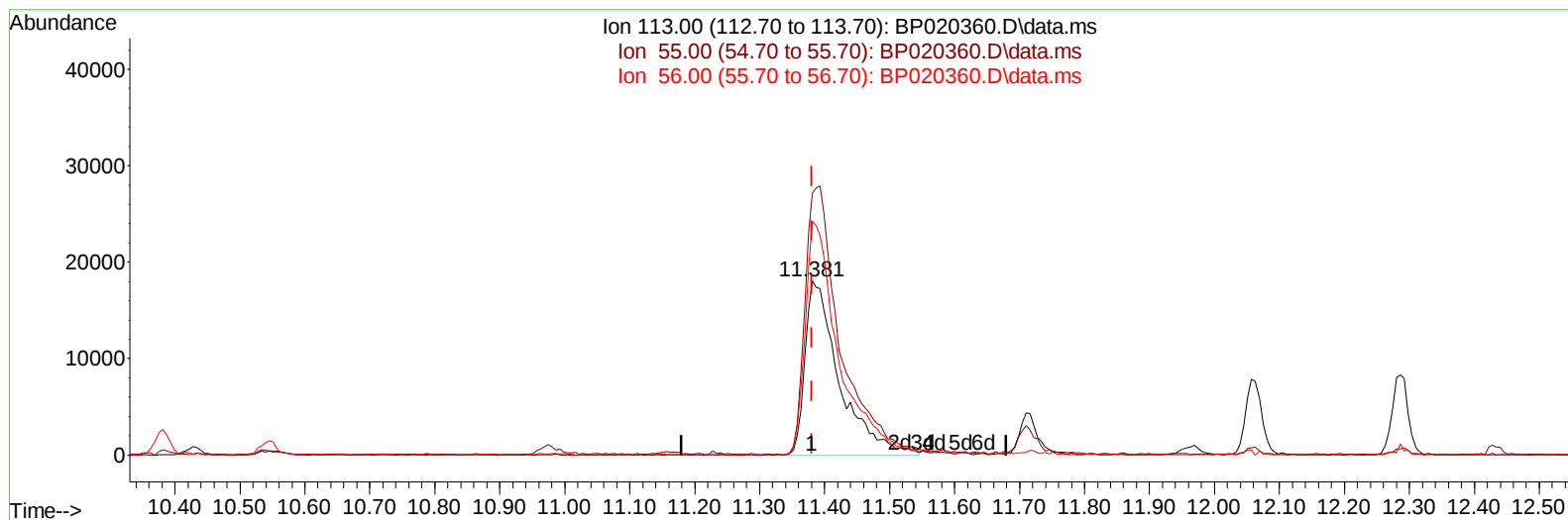
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051324\  
 Data File : BP020360.D  
 Acq On : 13 May 2024 19:19  
 Operator : MA/JU  
 Sample : P2371-02MS  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A43Q5MS

Manual IntegrationsAPPROVED

Quant Time: May 13 22:29:40 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon May 13 10:50:47 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/14/2024  
 Supervised By :mohammad ahmed 05/15/2024



TIC: BP020360.D\data.ms

(34) Caprolactam

11.381min (+ 0.000) 41.83 ng/ul m

response 66501

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 163.80 | 150.51 |
| 56.00  | 131.80 | 134.19 |
| 0.00   | 0.00   | 0.00   |

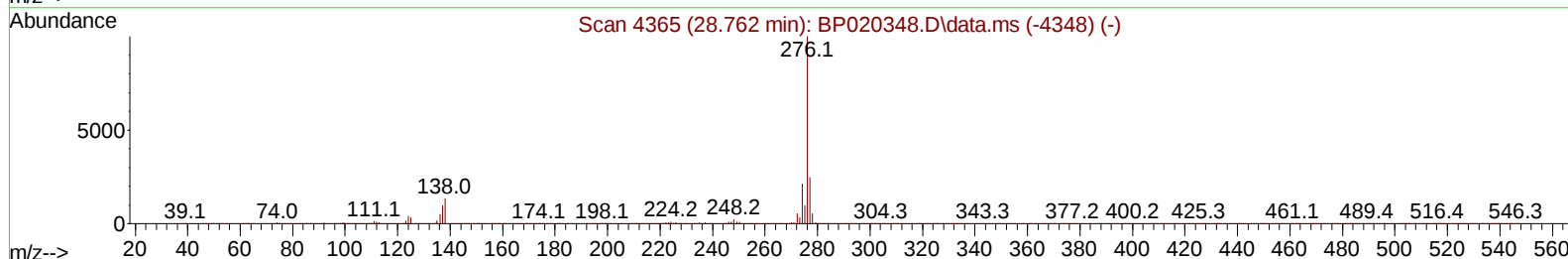
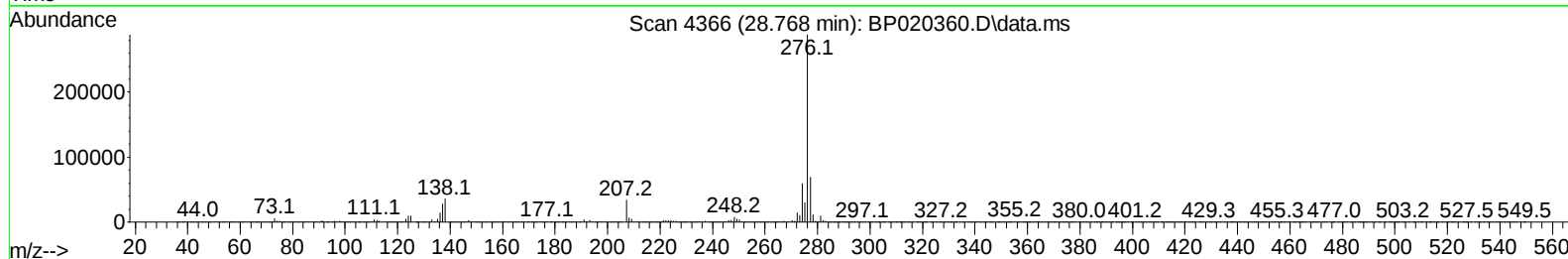
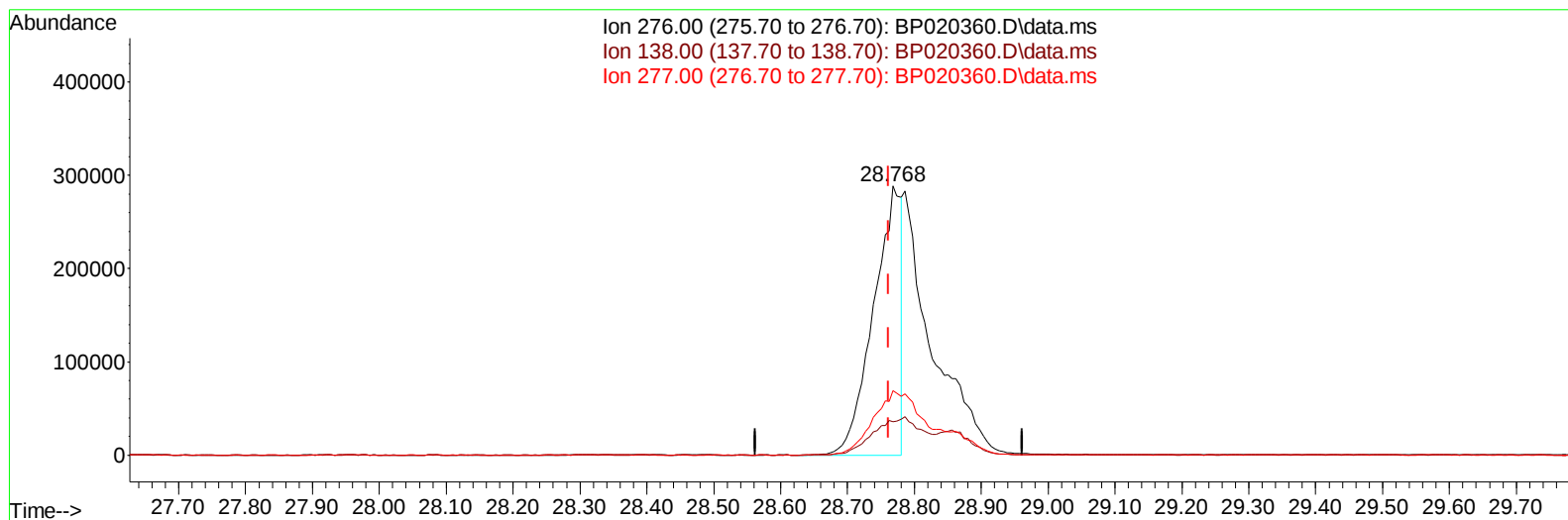
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051324\  
Data File : BP020360.D  
Acq On : 13 May 2024 19:19  
Operator : MA/JU  
Sample : P2371-02MS  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A43Q5MS

Manual IntegrationsAPPROVED

Quant Time: May 13 22:29:40 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon May 13 10:50:47 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/14/2024  
Supervised By :mohammad ahmed 05/15/2024



TIC: BP020360.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

28.768min (+ 0.006) 22.23 ng/u1

response 829892

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 15.40  | 12.49  |
| 277.00 | 23.70  | 24.05  |
| 0.00   | 0.00   | 0.00   |

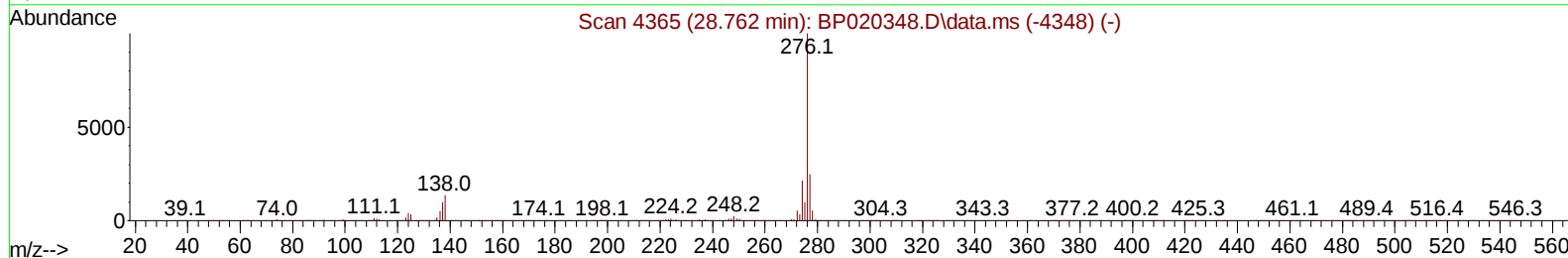
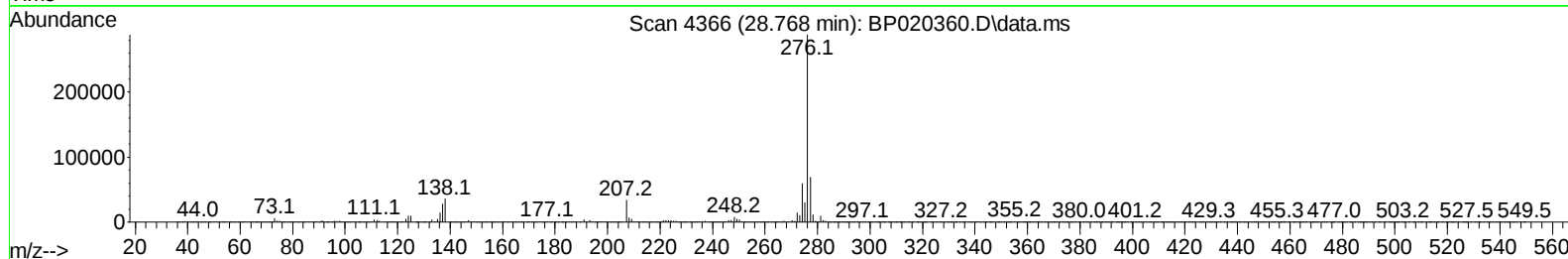
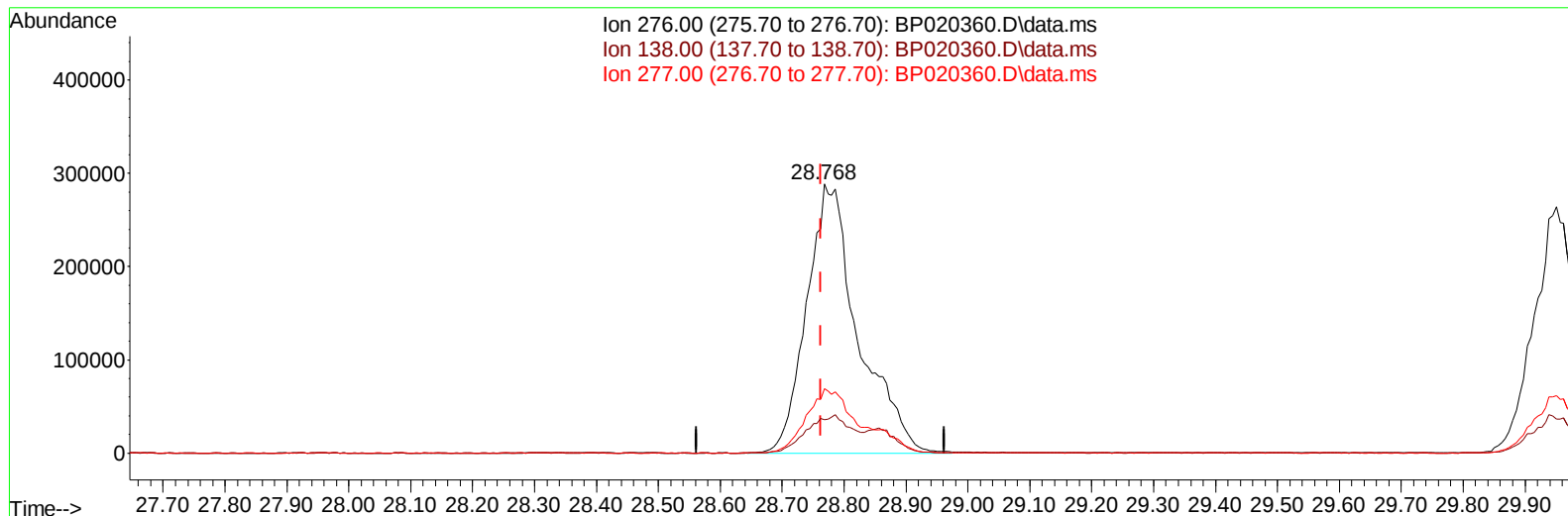
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051324\  
Data File : BP020360.D  
Acq On : 13 May 2024 19:19  
Operator : MA/JU  
Sample : P2371-02MS  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A43Q5MS

Manual IntegrationsAPPROVED

Quant Time: May 13 22:29:40 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon May 13 10:50:47 2024  
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Supervised By :mohammad ahmed 05/15/2024



TIC: BP020360.D\data.ms

**(94) Indeno(1,2,3-cd)pyrene**

28.768min (+ 0.006) 44.63 ng/ul m

response 1665928

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 15.40  | 12.49  |
| 277.00 | 23.70  | 24.05  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051324\  
 Data File : BP020360.D  
 Acq On : 13 May 2024 19:19  
 Operator : MA/JU  
 Sample : P2371-02MS  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A43Q5MS

Manual IntegrationsAPPROVED

Quant Time: May 13 22:51:04 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon May 13 10:50:47 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/14/2024  
 Supervised By :mohammad ahmed 05/15/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.610  | 152  | 74761    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.381 | 136  | 299125   | 20.000 | ng/ul  | # 0.00   |
| 38) Acenaphthene-d10          | 14.287 | 164  | 202385   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.128 | 188  | 449947   | 20.000 | ng/ul  | 0.01     |
| 79) Chrysene-d12              | 21.610 | 240  | 474542   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.974 | 264  | 537992   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.217  | 96   | 9727     | 5.495  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.611  | 84   | 135132   | 26.272 | ng/ul  | -0.01    |
| 7) Phenol-d5                  | 6.799  | 99   | 201793   | 31.430 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.963  | 67   | 117979   | 30.250 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.146  | 132  | 154826   | 33.733 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.316  | 113  | 156819   | 30.211 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.769  | 128  | 78611    | 35.095 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.481  | 143  | 91521    | 35.680 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.016 | 165  | 170912   | 36.513 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.546 | 131  | 215102   | 32.834 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.704 | 166  | 542183   | 36.685 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 13.975 | 160  | 588000   | 36.016 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.557 | 143  | 67274    | 29.617 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.310 | 176  | 446993   | 36.261 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.469 | 200  | 96849    | 33.920 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.228 | 188  | 722852   | 37.136 | ng/ul  | 0.01     |
| 81) Pyrene-d10                | 19.627 | 212  | 906908   | 32.694 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.727 | 264  | 959613   | 36.890 | ng/ul  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.246  | 88   | 29098    | 14.486 | ng/uL  | 99       |
| 5) Pyridine                   | 3.628  | 79   | 192627   | 37.026 | ng/ul  | 97       |
| 6) Benzaldehyde               | 6.781  | 77   | 154968   | 48.020 | ng/ul  | 97       |
| 8) Phenol                     | 6.828  | 94   | 258332   | 38.983 | ng/ul  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.058  | 93   | 192012   | 37.029 | ng/ul  | 98       |
| 12) 2-Chlorophenol            | 7.181  | 128  | 199130   | 41.554 | ng/ul  | 95       |
| 13) 2-Methylphenol            | 8.052  | 108  | 188666   | 38.168 | ng/ul  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.128  | 45   | 229164   | 35.428 | ng/ul  | 98       |
| 16) Acetophenone              | 8.434  | 105  | 325233   | 37.752 | ng/ul  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.416  | 70   | 172586   | 36.916 | ng/ul  | 94       |
| 18) 4-Methylphenol            | 8.387  | 108  | 207333   | 38.591 | ng/ul  | 99       |
| 19) Hexachloroethane          | 8.652  | 117  | 84234    | 38.438 | ng/ul  | 95       |
| 22) Nitrobenzene              | 8.810  | 77   | 258074   | 40.135 | ng/ul  | 98       |
| 23) Isophorone                | 9.334  | 82   | 476891   | 38.569 | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 9.510  | 139  | 119342   | 44.917 | ng/ul  | 91       |
| 26) 2,4-Dimethylphenol        | 9.569  | 107  | 198787   | 34.293 | ng/ul  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.810  | 93   | 264350   | 38.565 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.052 | 162  | 208732   | 45.844 | ng/ul  | 99       |
| 30) Naphthalene               | 10.428 | 128  | 628052   | 40.735 | ng/ul  | 100      |
| 32) 4-Chloroaniline           | 10.569 | 127  | 244821   | 38.216 | ng/ul  | 98       |
| 33) Hexachlorobutadiene       | 10.693 | 225  | 149407   | 42.248 | ng/ul  | 98       |
| 34) Caprolactam               | 11.381 | 113  | 66501m   | 41.831 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.710 | 107  | 247477   | 43.655 | ng/ul  | 100      |

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 Operator : MA/JU  
 Sample : P2371-02MS  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A43Q5MS

Manual IntegrationsAPPROVED

Quant Time: May 13 22:51:04 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon May 13 10:50:47 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/14/2024  
 Supervised By :mohammad ahmed 05/15/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 36) 2-Methylnaphthalene       | 12.063 | 142  | 453972   | 42.318 | ng/ul | 97       |
| 37) 1-Methylnaphthalene       | 12.287 | 142  | 455591   | 42.203 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.434 | 216  | 291730   | 46.219 | ng/ul | 100      |
| 40) Hexachlorocyclopentadiene | 12.393 | 237  | 81132    | 23.635 | ng/ul | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.698 | 196  | 185181   | 46.784 | ng/ul | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.781 | 196  | 204371   | 47.982 | ng/ul | 95       |
| 43) 1,1'-Biphenyl             | 13.104 | 154  | 616347   | 43.058 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.145 | 162  | 486112   | 42.796 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.381 | 65   | 165566   | 43.944 | ng/ul | 97       |
| 47) Dimethylphthalate         | 13.751 | 163  | 629852   | 42.191 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 13.887 | 165  | 134307   | 45.256 | ng/ul | 98       |
| 50) Acenaphthylene            | 14.004 | 152  | 772593   | 42.073 | ng/ul | 98       |
| 51) 3-Nitroaniline            | 14.234 | 138  | 127494   | 46.060 | ng/ul | 99       |
| 52) Acenaphthene              | 14.357 | 153  | 510198   | 41.344 | ng/ul | 100      |
| 53) 2,4-Dinitrophenol         | 14.469 | 184  | 72179    | 39.624 | ng/ul | 93       |
| 55) 4-Nitrophenol             | 14.569 | 109  | 88727    | 37.518 | ng/ul | 93       |
| 56) Dibenzofuran              | 14.704 | 168  | 745150   | 43.904 | ng/ul | 98       |
| 57) 2,4-Dinitrotoluene        | 14.710 | 165  | 201707   | 47.274 | ng/ul | 91       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.939 | 232  | 184855   | 48.331 | ng/ul | 94       |
| 59) Diethylphthalate          | 15.157 | 149  | 638385   | 42.839 | ng/ul | 99       |
| 61) Fluorene                  | 15.375 | 166  | 619432   | 43.925 | ng/ul | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.369 | 204  | 332103   | 44.390 | ng/ul | 95       |
| 63) 4-Nitroaniline            | 15.428 | 138  | 120197   | 52.107 | ng/ul | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.486 | 198  | 124109   | 41.685 | ng/ul | 97       |
| 67) N-Nitrosodiphenylamine    | 15.598 | 169  | 526148   | 41.997 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether | 16.292 | 248  | 212115   | 43.522 | ng/ul | 95       |
| 69) Hexachlorobenzene         | 16.398 | 284  | 251540   | 44.561 | ng/ul | 96       |
| 70) Atrazine                  | 16.598 | 200  | 209624   | 47.188 | ng/ul | 100      |
| 71) Pentachlorophenol         | 16.775 | 266  | 148351   | 43.480 | ng/ul | 98       |
| 72) Phenanthrene              | 17.169 | 178  | 1000219  | 43.570 | ng/ul | 99       |
| 74) Anthracene                | 17.263 | 178  | 975143   | 41.763 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.057 | 216  | 277899   | 41.557 | ng/uL | 98       |
| 76) Pentachlorobenzene        | 14.610 | 250  | 291863   | 43.614 | ng/uL | 98       |
| 77) Carbazole                 | 17.563 | 167  | 903930   | 44.939 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.151 | 149  | 1108035  | 45.446 | ng/ul | 99       |
| 80) Fluoranthene              | 19.280 | 202  | 1267145  | 38.816 | ng/ul | 99       |
| 82) Pyrene                    | 19.657 | 202  | 1339984  | 39.450 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.627 | 149  | 526409   | 40.826 | ng/ul | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.527 | 252  | 376865   | 39.022 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.592 | 228  | 1355666  | 42.119 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.533 | 149  | 768225   | 41.300 | ng/ul | 99       |
| 87) Chrysene                  | 21.663 | 228  | 1296295  | 43.454 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.821 | 149  | 1331712  | 38.652 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.904 | 252  | 1389516  | 43.418 | ng/ul | 98       |
| 91) Benzo(k)fluoranthene      | 23.974 | 252  | 1380723  | 42.335 | ng/ul | 100      |
| 93) Benzo(a)pyrene            | 24.798 | 252  | 1175956  | 38.618 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.768 | 276  | 1665928m | 44.628 | ng/ul |          |
| 95) Dibenzo(a,h)anthracene    | 28.862 | 278  | 1337289  | 43.312 | ng/ul | 98       |
| 96) Benzo(g,h,i)perylene      | 29.950 | 276  | 1283428  | 42.629 | ng/ul | 98       |

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

**Instrument :**  
BNA\_P  
**ClientSampleId :**  
A43Q5MS

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 05/14/2024  
Supervised By :mohammad ahmed 05/15/2024

Manual IntegrationsAPPROVED

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