

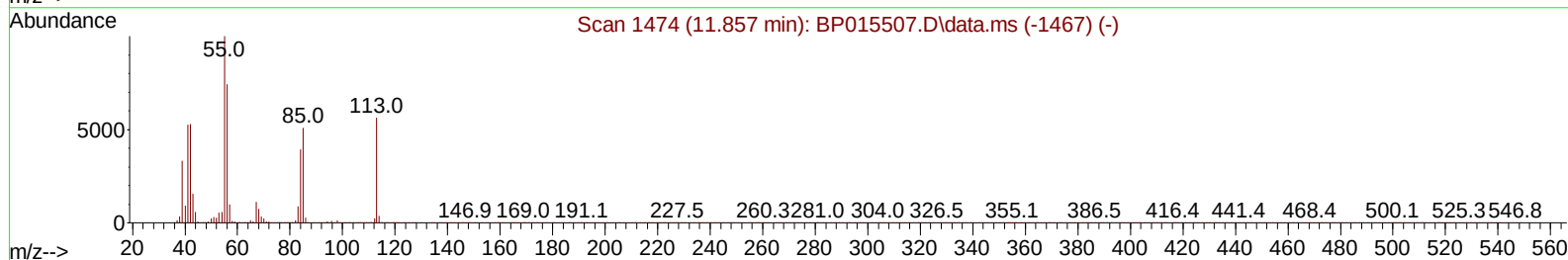
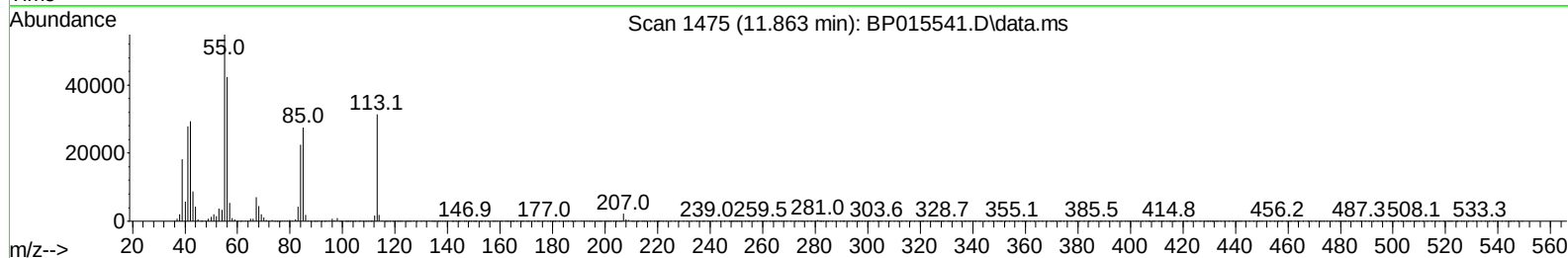
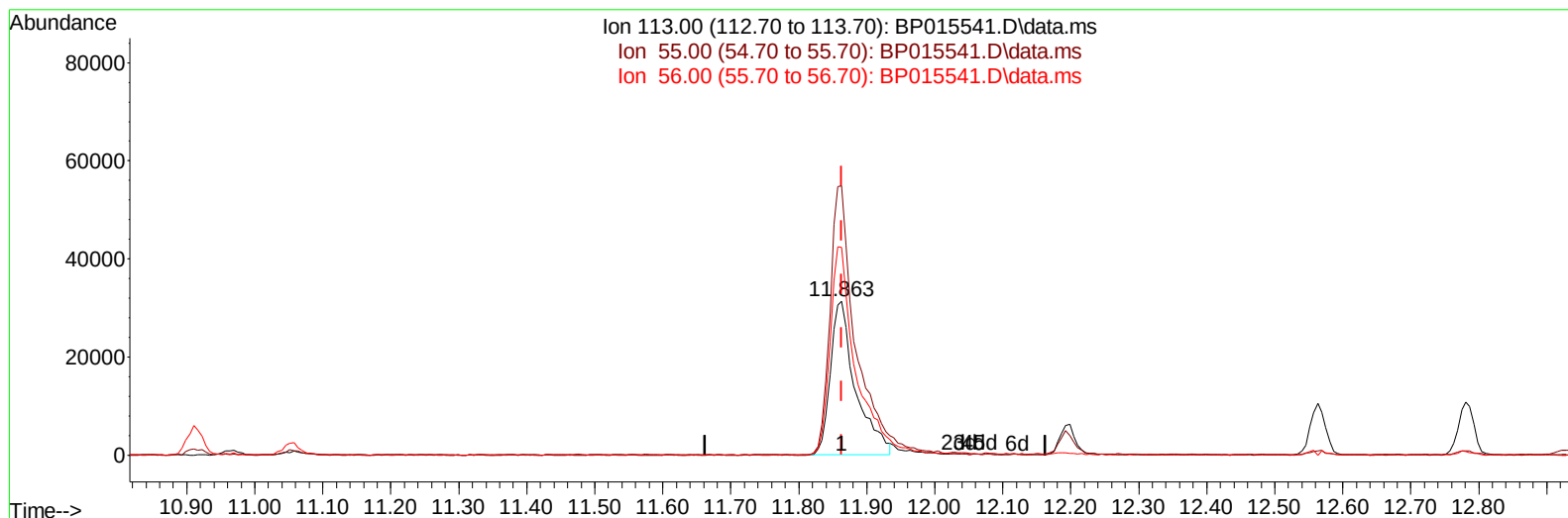
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP061423\  
 Data File : BP015541.D  
 Acq On : 15 Jun 2023 04:58  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 15 05:36:53 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP060723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 15 05:36:46 2023  
 Response via : Initial Calibration

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



TIC: BP015541.D\data.ms

**(34) Caprolactam**

**11.863min ( 0.000) 18.27 ng/ul**

**response 80786**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 159.90 | 174.85 |
| 56.00  | 126.40 | 135.18 |
| 0.00   | 0.00   | 0.00   |

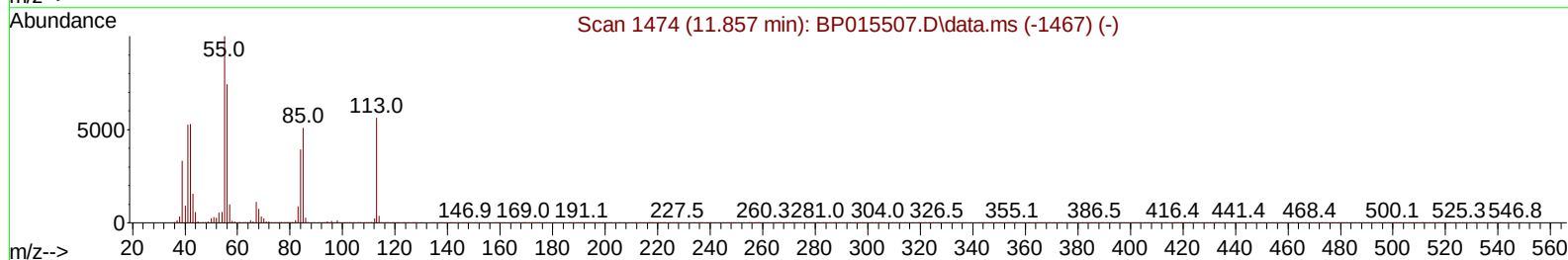
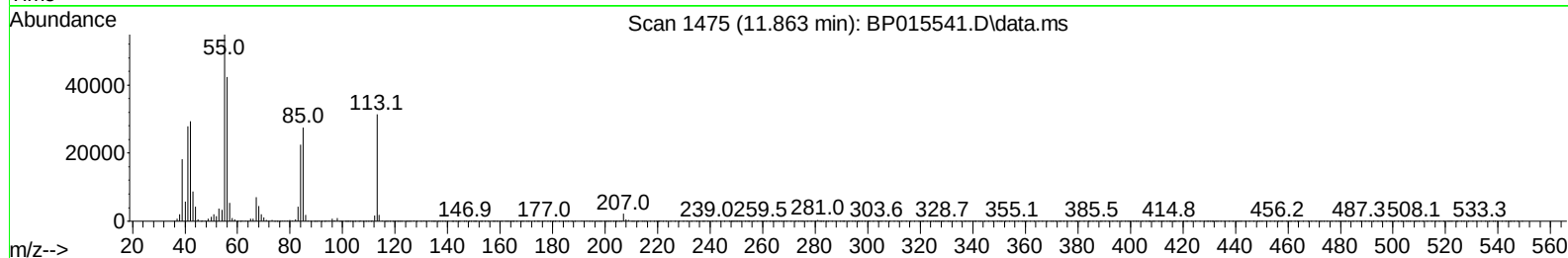
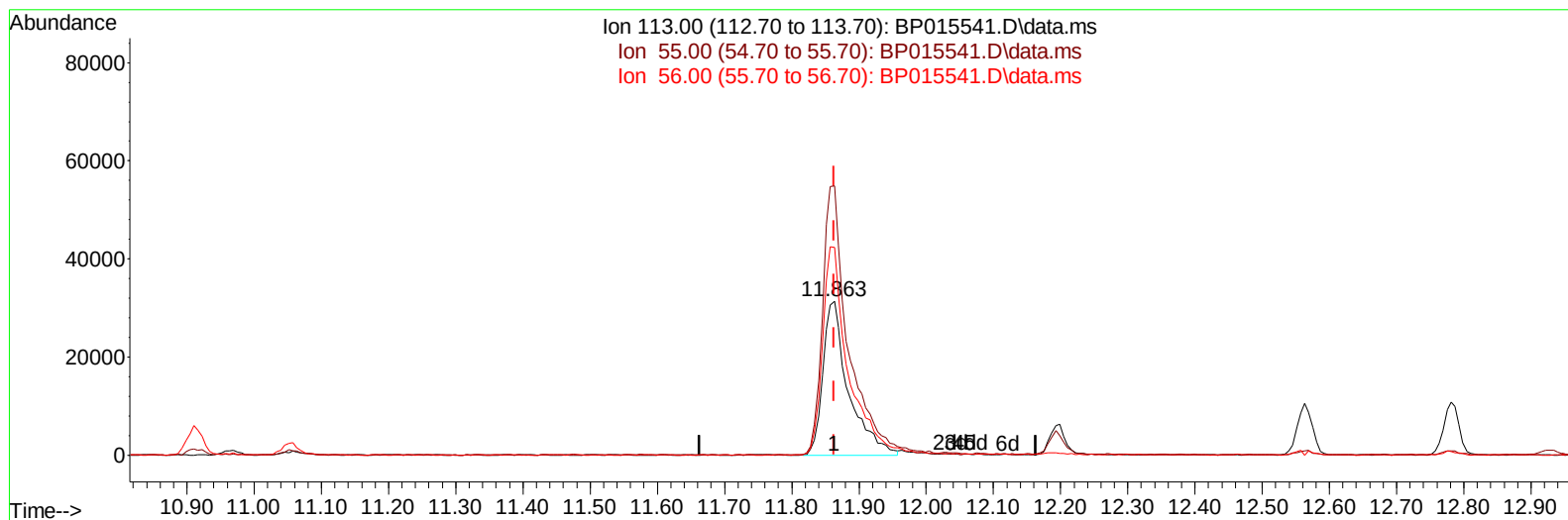
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP061423\  
 Data File : BP015541.D  
 Acq On : 15 Jun 2023 04:58  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 15 05:36:53 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP060723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 15 05:36:46 2023  
 Response via : Initial Calibration

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



TIC: BP015541.D\data.ms

**(34) Caprolactam**

**11.863min ( 0.000) 18.69 ng/ul m**

**response 82672**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 159.90 | 174.85 |
| 56.00  | 126.40 | 135.18 |
| 0.00   | 0.00   | 0.00   |

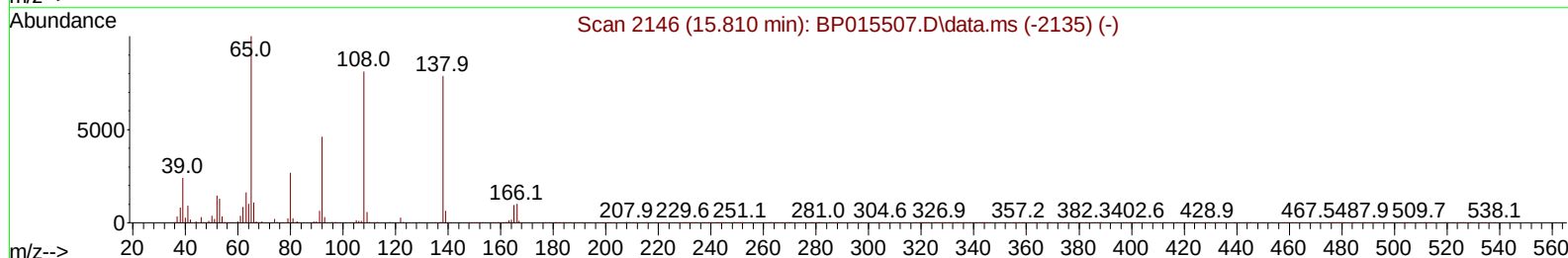
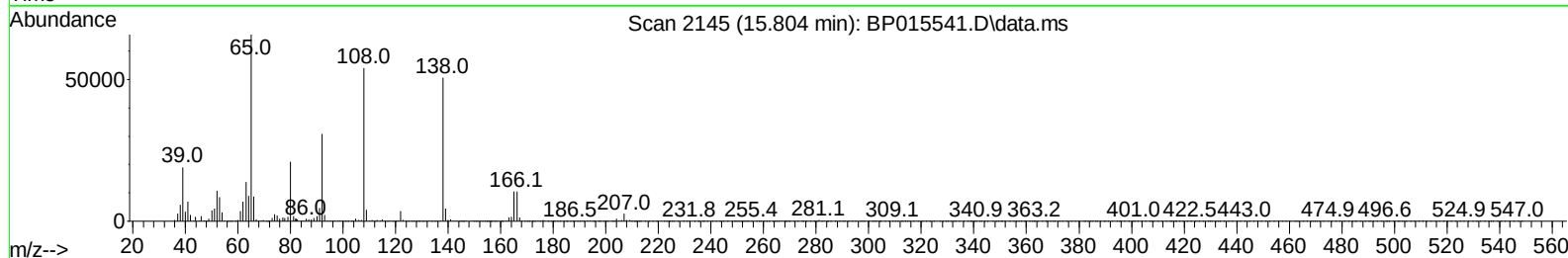
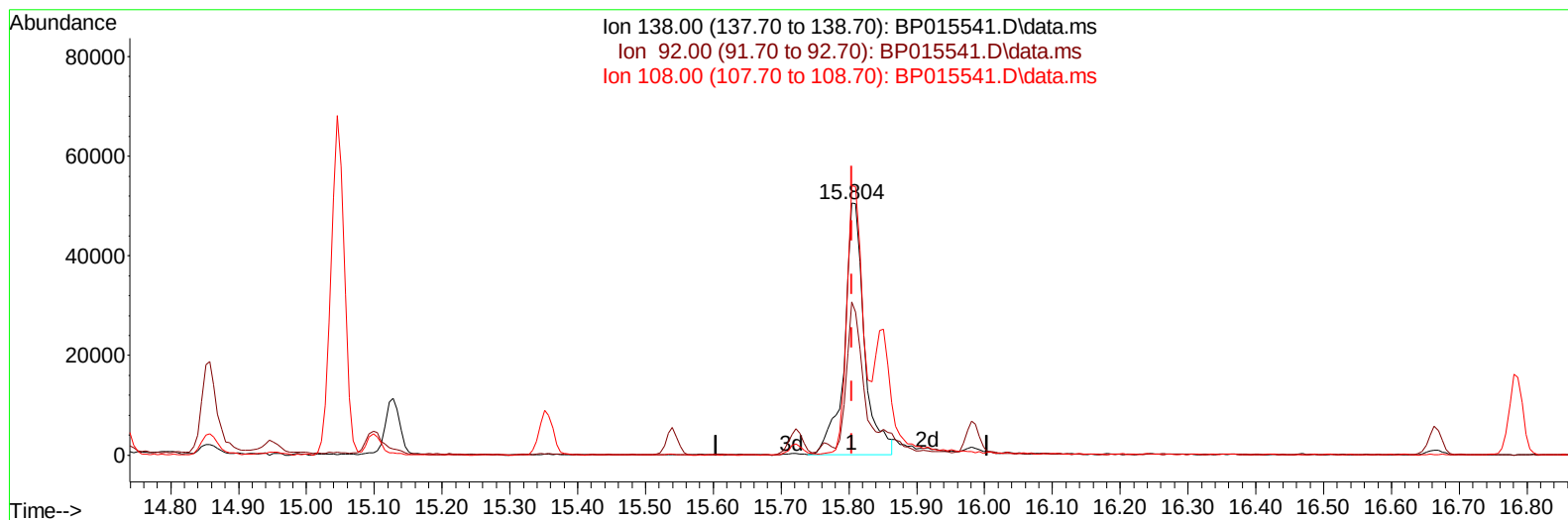
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP061423\  
 Data File : BP015541.D  
 Acq On : 15 Jun 2023 04:58  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 15 05:36:53 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP060723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 15 05:36:46 2023  
 Response via : Initial Calibration

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



TIC: BP015541.D\data.ms

**(63) 4-Nitroaniline**

**15.804min ( 0.000) 16.14 ng/ul**

**response 103089**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 138.00 | 100.00 | 100.00 |
| 92.00  | 55.80  | 60.84  |
| 108.00 | 98.00  | 106.77 |
| 0.00   | 0.00   | 0.00   |

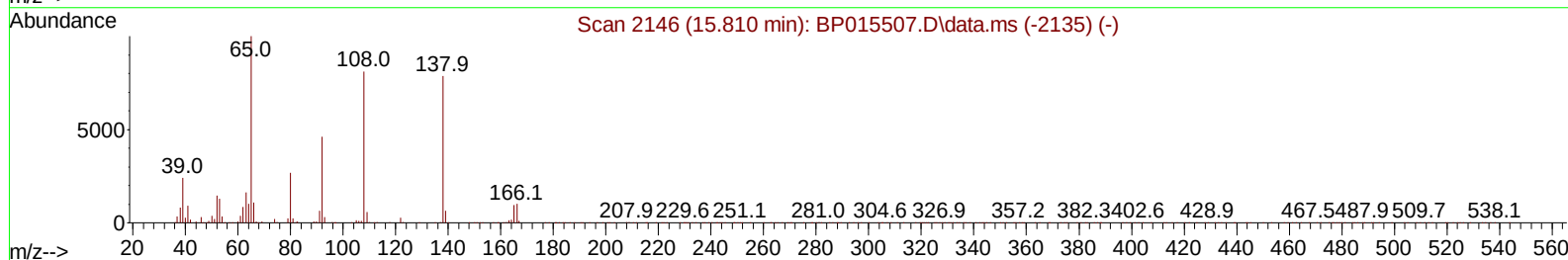
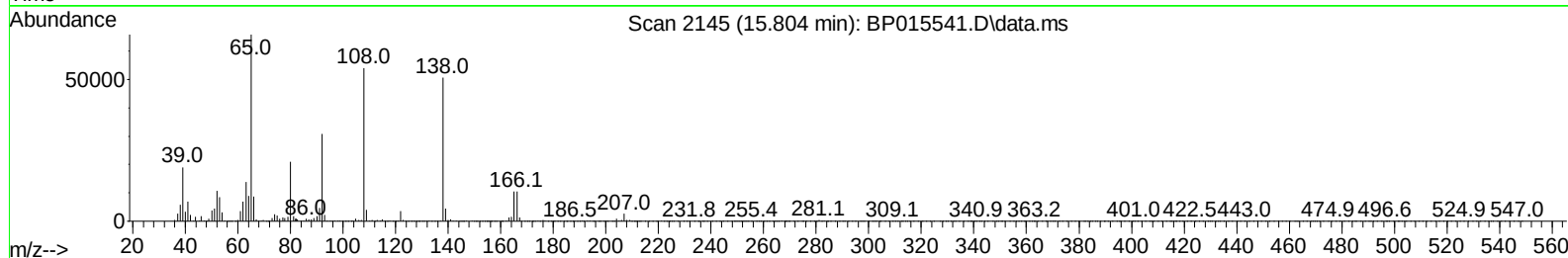
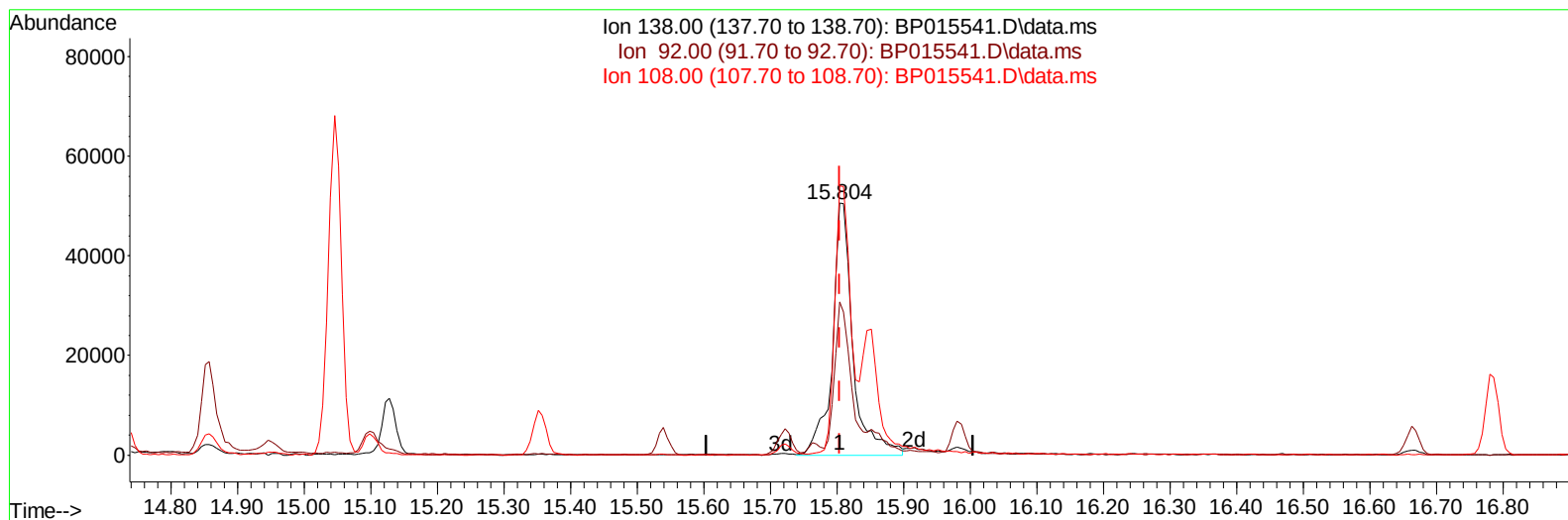
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP061423\  
 Data File : BP015541.D  
 Acq On : 15 Jun 2023 04:58  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 15 05:37:22 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP060723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 15 05:36:46 2023  
 Response via : Initial Calibration

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



TIC: BP015541.D\data.ms

**(63) 4-Nitroaniline**

**15.804min ( 0.000) 16.97 ng/ul m**

**response 108406**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 138.00 | 100.00 | 100.00 |
| 92.00  | 55.80  | 60.84  |
| 108.00 | 98.00  | 106.77 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP061423\  
 Data File : BP015541.D  
 Acq On : 15 Jun 2023 04:58  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 15 05:38:02 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP060723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 15 05:36:46 2023  
 Response via : Initial Calibration

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

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.087  | 152  | 157275   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.910 | 136  | 722449   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.728 | 164  | 489022   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.486 | 188  | 1136815  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.569 | 240  | 1118118  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.116 | 264  | 1204845  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.405  | 96   | 32646    | 7.686  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.846  | 84   | 216008   | 19.580 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.240  | 99   | 288567   | 19.916 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.405  | 67   | 174251   | 20.137 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.611  | 132  | 211322   | 20.116 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.799  | 113  | 240080   | 20.189 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.263  | 128  | 116325   | 20.509 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.993  | 143  | 135473   | 20.915 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.534 | 165  | 247802   | 20.972 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.057 | 131  | 344517   | 20.313 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.134 | 166  | 786254   | 20.389 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.428 | 160  | 875888   | 20.772 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.934 | 143  | 118136   | 17.107 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.722 | 176  | 678156   | 20.854 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.851 | 200  | 141159   | 19.601 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.586 | 188  | 1071040  | 20.707 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.810 | 212  | 1282267  | 21.427 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.951 | 264  | 1224718  | 20.259 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.440  | 88   | 34017    | 7.582  | ng/ul# | 86       |
| 5) Pyridine                   | 3.864  | 79   | 231955   | 20.281 | ng/ul  | 95       |
| 6) Benzaldehyde               | 7.222  | 77   | 93070    | 16.805 | ng/ul  | 99       |
| 8) Phenol                     | 7.269  | 94   | 299596   | 20.042 | ng/ul  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.505  | 93   | 235420   | 19.919 | ng/ul  | 99       |
| 12) 2-Chlorophenol            | 7.646  | 128  | 223649   | 20.150 | ng/ul  | 98       |
| 13) 2-Methylphenol            | 8.534  | 108  | 231888   | 20.162 | ng/ul  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.616  | 45   | 319491   | 20.399 | ng/ul  | 98       |
| 16) Acetophenone              | 8.922  | 105  | 399960   | 21.075 | ng/ul  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.905  | 70   | 211889   | 20.687 | ng/ul  | 98       |
| 18) 4-Methylphenol            | 8.863  | 108  | 256619   | 20.279 | ng/ul  | 96       |
| 19) Hexachloroethane          | 9.175  | 117  | 96644    | 20.605 | ng/ul  | 99       |
| 22) Nitrobenzene              | 9.305  | 77   | 319070   | 21.212 | ng/ul  | 98       |
| 23) Isophorone                | 9.834  | 82   | 604178   | 20.065 | ng/ul  | 98       |
| 25) 2-Nitrophenol             | 10.022 | 139  | 148170   | 21.187 | ng/ul  | 94       |
| 26) 2,4-Dimethylphenol        | 10.075 | 107  | 306608   | 20.674 | ng/ul  | 96       |
| 27) Bis(2-Chloroethoxy)met... | 10.316 | 93   | 351399   | 20.073 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.557 | 162  | 251706   | 21.426 | ng/ul  | 99       |
| 30) Naphthalene               | 10.963 | 128  | 797214   | 20.364 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 11.081 | 127  | 356609   | 20.321 | ng/ul  | 100      |
| 33) Hexachlorobutadiene       | 11.240 | 225  | 166950   | 21.072 | ng/ul  | 97       |
| 34) Caprolactam               | 11.863 | 113  | 82672m   | 18.694 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.193 | 107  | 296734   | 20.847 | ng/ul  | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP061423\  
 Data File : BP015541.D  
 Acq On : 15 Jun 2023 04:58  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC020

Manual IntegrationsAPPROVED

Quant Time: Jun 15 05:38:02 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP060723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 15 05:36:46 2023  
 Response via : Initial Calibration

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

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.563 | 142  | 563086   | 20.460 | ng/ul  | 100      |
| 37) 1-Methylnaphthalene       | 12.781 | 142  | 563236   | 20.326 | ng/ul  | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 12.928 | 216  | 325894   | 21.401 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.899 | 237  | 136090   | 21.802 | ng/ul  | 95       |
| 41) 2,4,6-Trichlorophenol     | 13.169 | 196  | 215365   | 21.249 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.246 | 196  | 232072   | 21.013 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.563 | 154  | 781534   | 20.666 | ng/ul  | 100      |
| 44) 2-Chloronaphthalene       | 13.610 | 162  | 617450   | 20.810 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.822 | 65   | 202504   | 21.325 | ng/ul  | 96       |
| 47) Dimethylphthalate         | 14.181 | 163  | 819848   | 20.591 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.310 | 165  | 171946   | 21.079 | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.451 | 152  | 964103   | 20.647 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.645 | 138  | 120083   | 17.833 | ng/ul  | 98       |
| 52) Acenaphthene              | 14.793 | 153  | 666651   | 20.653 | ng/ul  | 100      |
| 53) 2,4-Dinitrophenol         | 14.857 | 184  | 116787   | 23.800 | ng/ul  | 98       |
| 55) 4-Nitrophenol             | 14.945 | 109  | 125705   | 18.872 | ng/ul  | 95       |
| 56) Dibenzofuran              | 15.128 | 168  | 945200   | 20.661 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 15.098 | 165  | 248707   | 20.730 | ng/ul  | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.357 | 232  | 212797   | 21.339 | ng/ul# | 96       |
| 59) Diethylphthalate          | 15.540 | 149  | 840965   | 20.609 | ng/ul  | 100      |
| 61) Fluorene                  | 15.781 | 166  | 770662   | 20.665 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.769 | 204  | 393399   | 20.930 | ng/ul  | 100      |
| 63) 4-Nitroaniline            | 15.804 | 138  | 108406m  | 16.972 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.863 | 198  | 143855   | 19.585 | ng/ul# | 90       |
| 67) N-Nitrosodiphenylamine    | 15.981 | 169  | 666786   | 20.675 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.663 | 248  | 253936   | 20.879 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.787 | 284  | 299188   | 20.855 | ng/ul  | 96       |
| 70) Atrazine                  | 16.939 | 200  | 269520   | 20.927 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 17.134 | 266  | 168513   | 20.782 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.528 | 178  | 1270651  | 20.828 | ng/ul  | 99       |
| 74) Anthracene                | 17.622 | 178  | 1276997  | 20.630 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.534 | 216  | 337215   | 21.493 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 15.045 | 250  | 350709   | 21.349 | ng/uL  | 99       |
| 77) Carbazole                 | 17.892 | 167  | 1146498  | 20.571 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.416 | 149  | 1484238  | 20.989 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.486 | 202  | 1574208  | 21.596 | ng/ul  | 97       |
| 82) Pyrene                    | 19.839 | 202  | 1617050  | 21.442 | ng/ul  | 97       |
| 83) Butylbenzylphthalate      | 20.692 | 149  | 726676   | 21.801 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.480 | 252  | 498624   | 18.876 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.551 | 228  | 1630007  | 20.853 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.445 | 149  | 1075116  | 21.821 | ng/ul  | 100      |
| 87) Chrysene                  | 21.610 | 228  | 1517102  | 20.534 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.416 | 149  | 1873128  | 23.655 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.327 | 252  | 1662761  | 21.380 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.380 | 252  | 1535473  | 20.424 | ng/ul  | 100      |
| 93) Benzo(a)pyrene            | 24.004 | 252  | 1368873  | 20.188 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.810 | 276  | 1640331  | 18.693 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.827 | 278  | 1350746  | 18.894 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 27.639 | 276  | 1333232  | 18.436 | ng/ul  | 99       |

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

**Instrument :**  
BNA\_P  
**LabSampleId :**  
SSTDCCC020

**Manual IntegrationsAPPROVED**

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

