

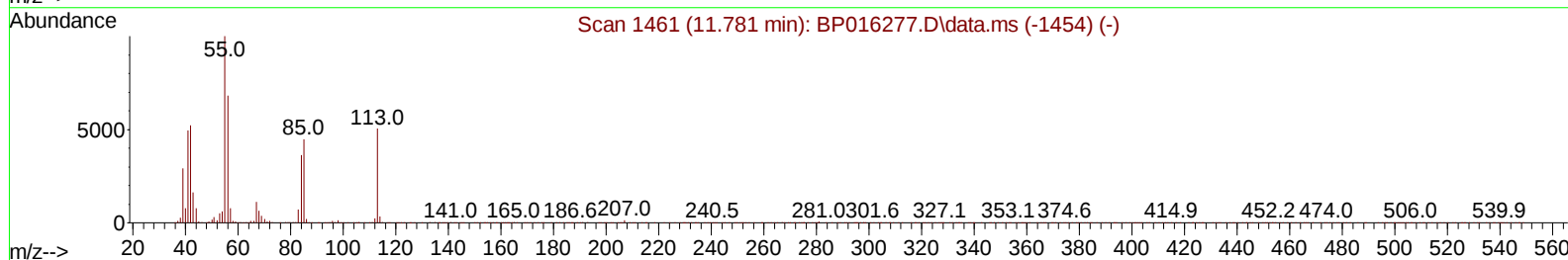
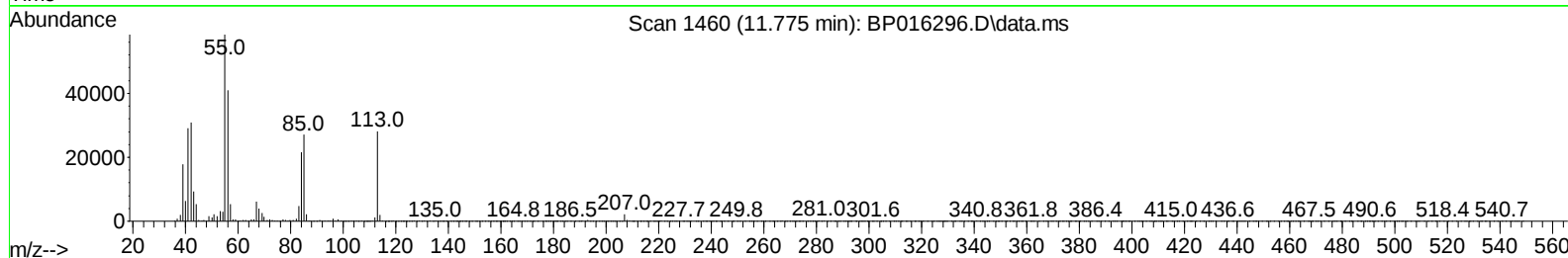
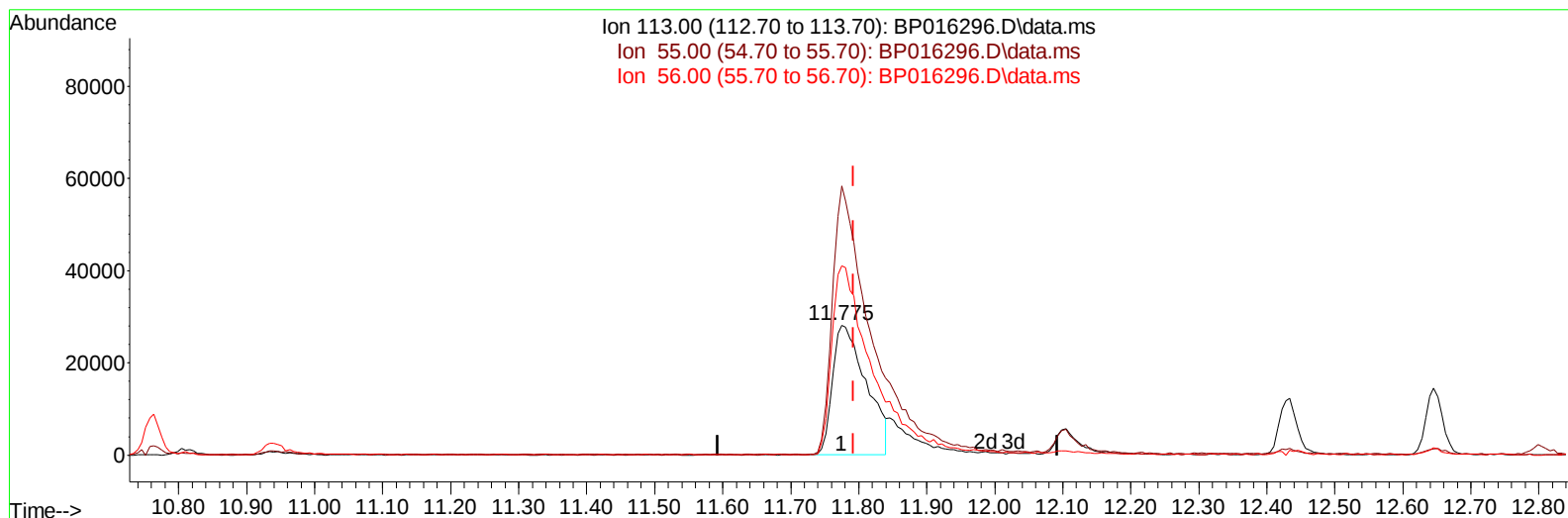
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071723\  
 Data File : BP016296.D  
 Acq On : 18 Jul 2023 15:55  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Jul 18 23:28:30 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071223.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 14 23:53:26 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/19/2023  
 Supervised By :mohammad ahmed 07/19/2023



TIC: BP016296.D\data.ms

**(34) Caprolactam**

**11.775min (-0.018) 18.46 ng/ul**

**response 97109**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 184.80 | 207.10 |
| 56.00  | 129.70 | 145.59 |
| 0.00   | 0.00   | 0.00   |

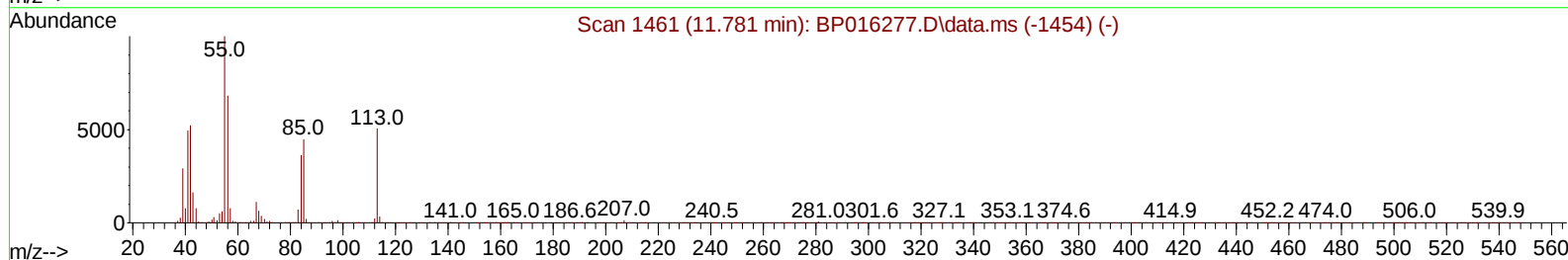
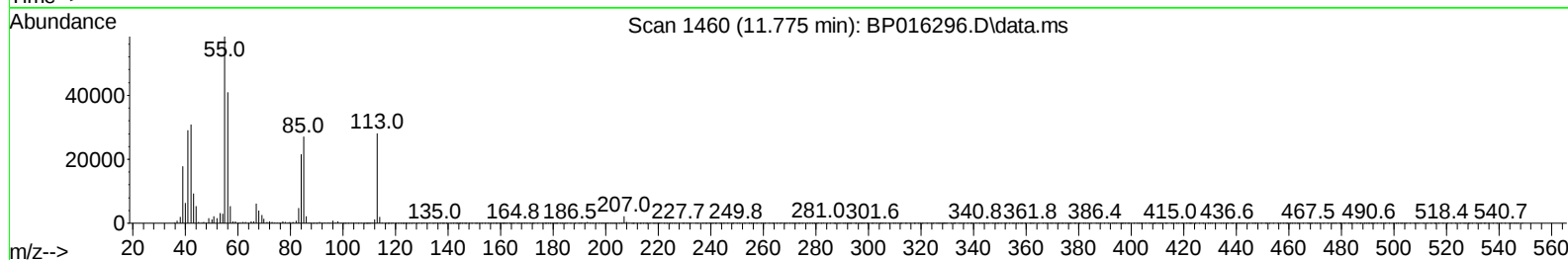
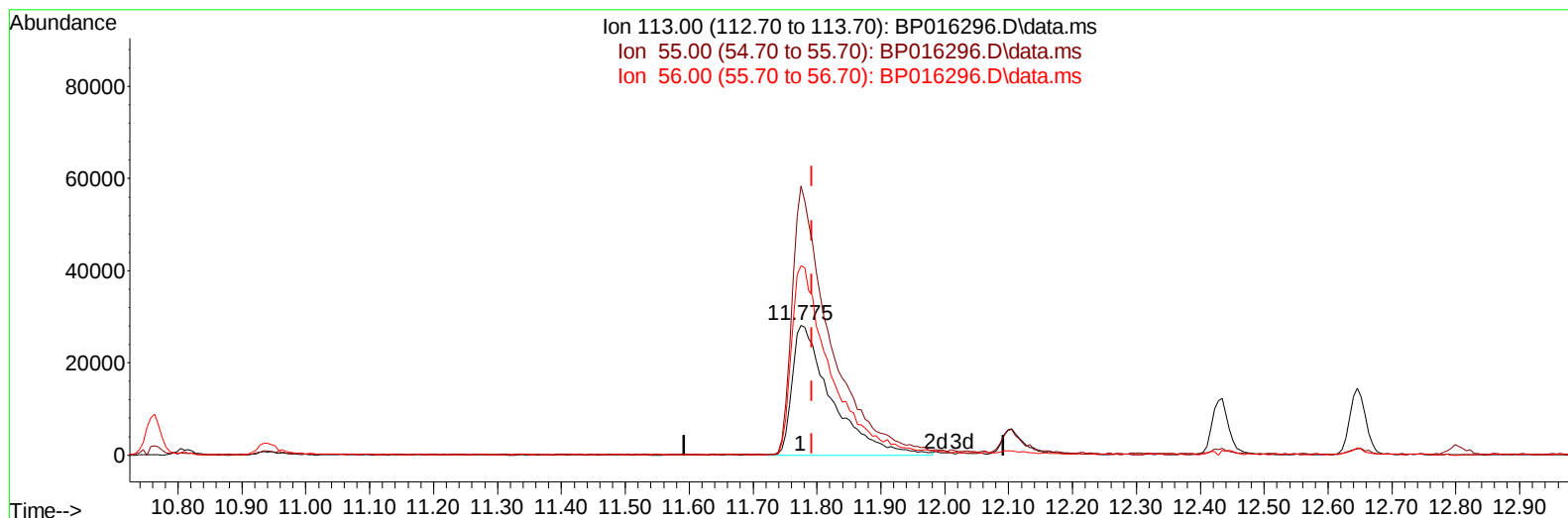
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 Data File : BP016296.D  
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Instrument :  
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Manual IntegrationsAPPROVED

Quant Time: Jul 18 23:28:30 2023  
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 QLast Update : Fri Jul 14 23:53:26 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/19/2023  
 Supervised By :mohammad ahmed 07/19/2023



TIC: BP016296.D\data.ms

**(34) Caprolactam**

11.775min (-0.018) 22.78 ng/ul m

response 119830

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 184.80 | 207.10 |
| 56.00  | 129.70 | 145.59 |
| 0.00   | 0.00   | 0.00   |

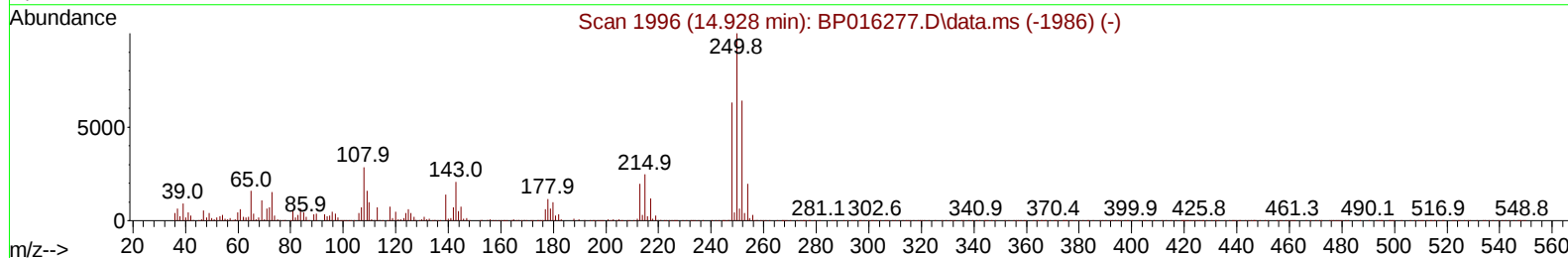
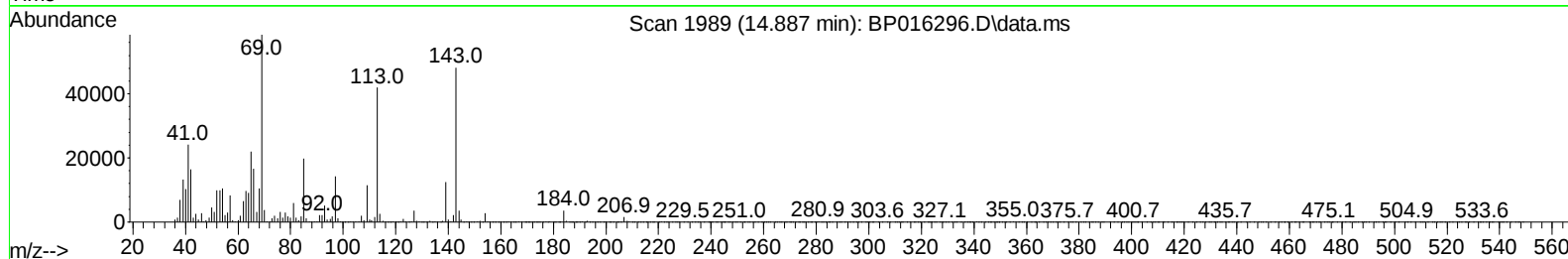
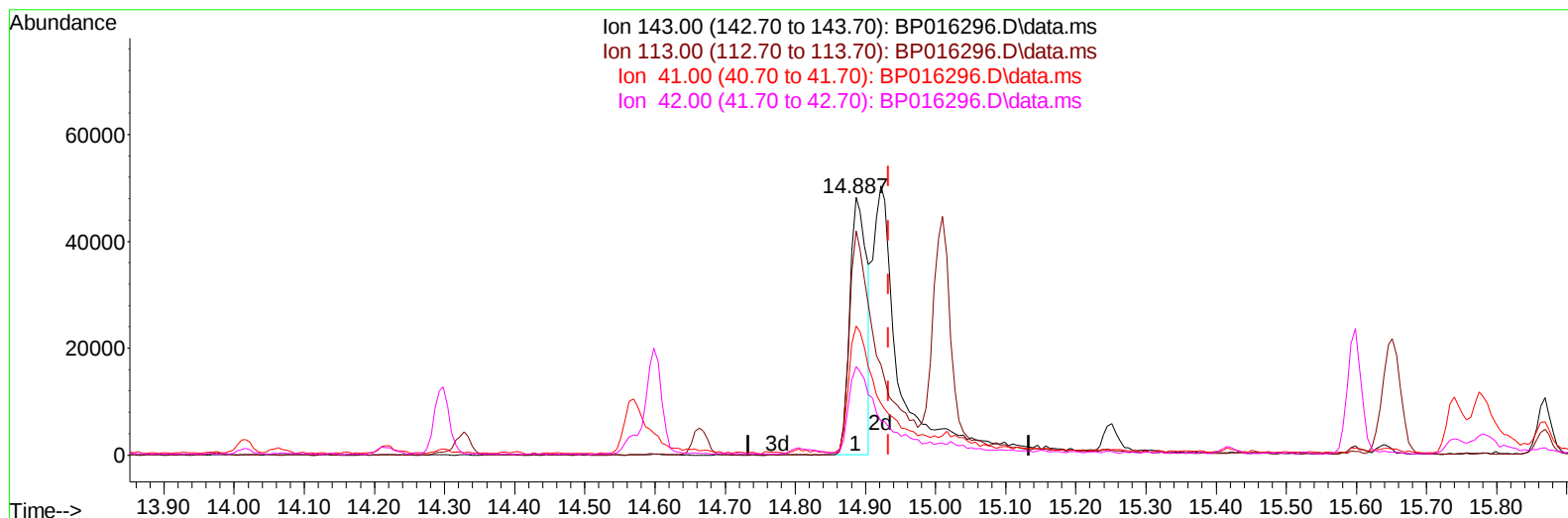
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 Data File : BP016296.D  
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Instrument :  
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Manual IntegrationsAPPROVED

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TIC: BP016296.D\data.ms

**(54) 4-Nitrophenol-d4 (S)**

**14.887min (-0.047) 8.35 ng/u1**

**response 81564**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 79.50  | 87.05  |
| 41.00  | 49.30  | 50.25  |
| 42.00  | 32.70  | 34.26  |

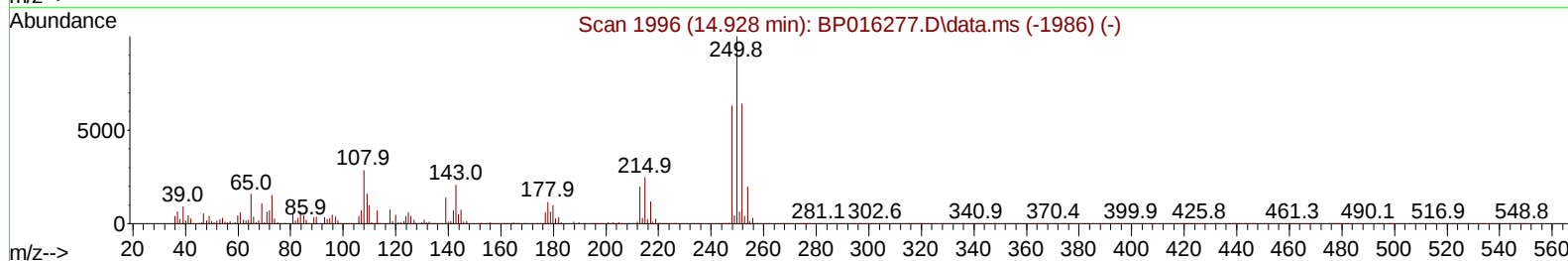
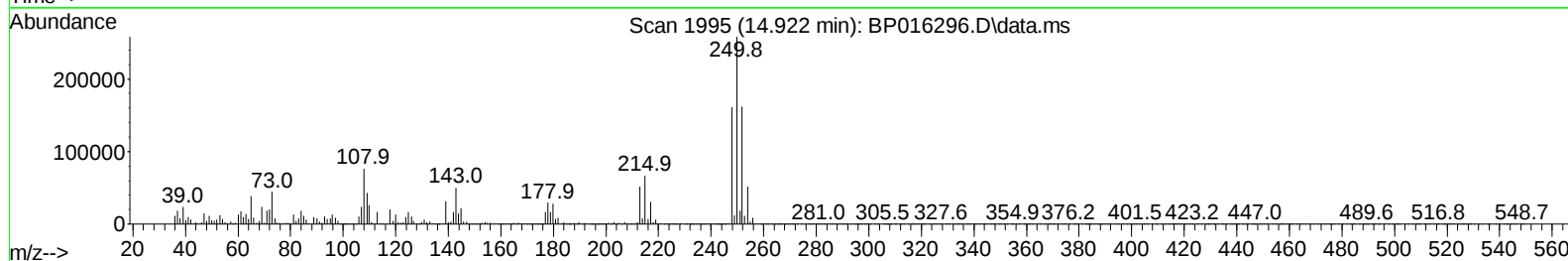
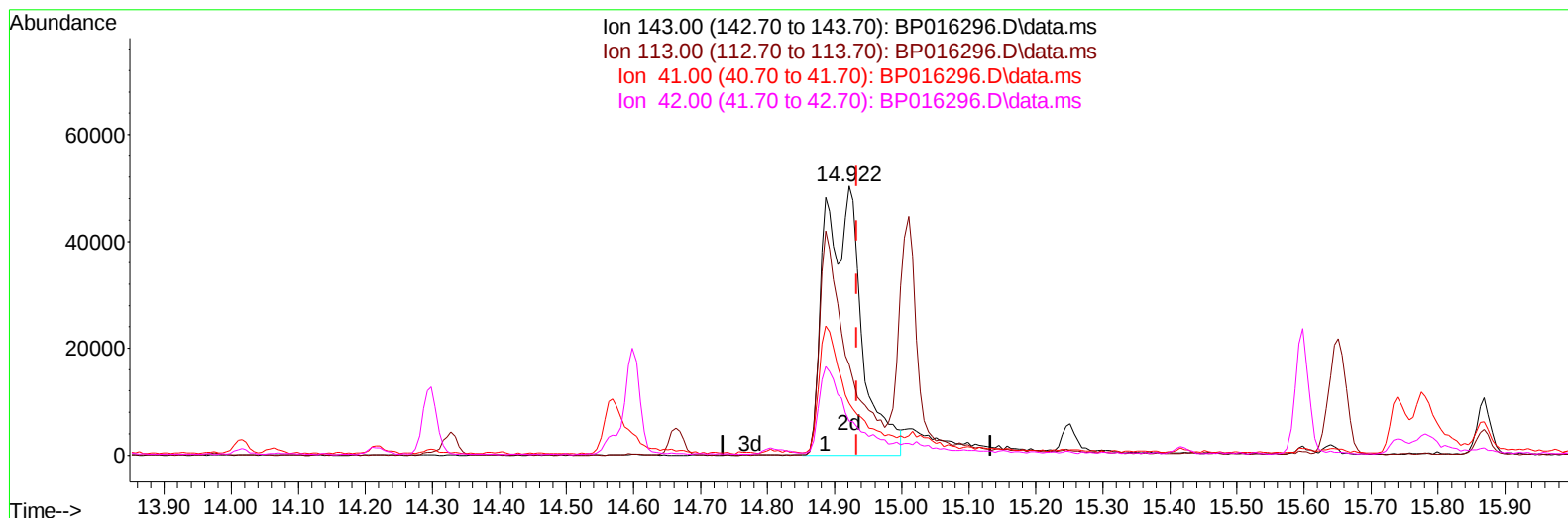
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071723\  
 Data File : BP016296.D  
 Acq On : 18 Jul 2023 15:55  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Jul 18 23:28:30 2023  
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 QLast Update : Fri Jul 14 23:53:26 2023  
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Reviewed By :Yogesh Patel 07/19/2023  
 Supervised By :mohammad ahmed 07/19/2023



TIC: BP016296.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.922min (-0.012) 19.72 ng/ul m

response 192674

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 79.50  | 33.67# |
| 41.00  | 49.30  | 19.18# |
| 42.00  | 32.70  | 12.72# |

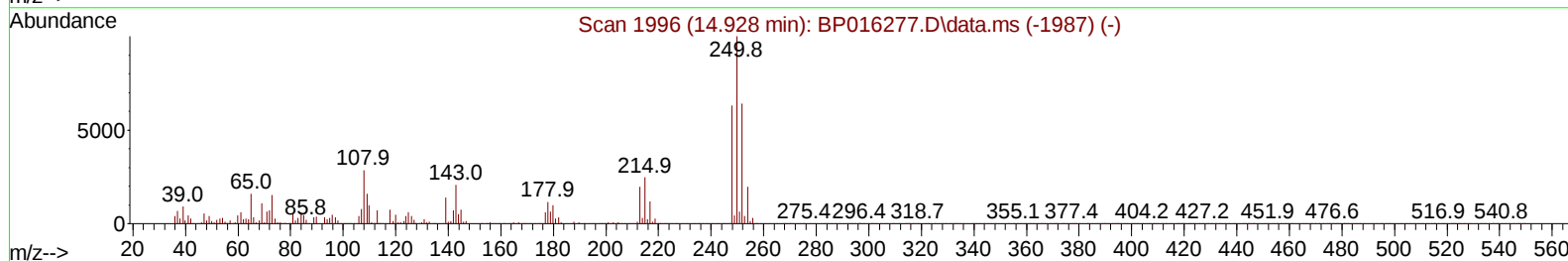
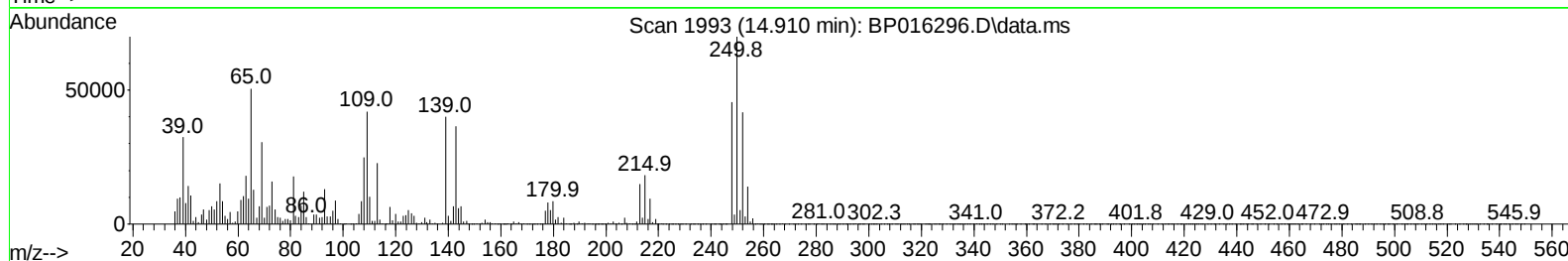
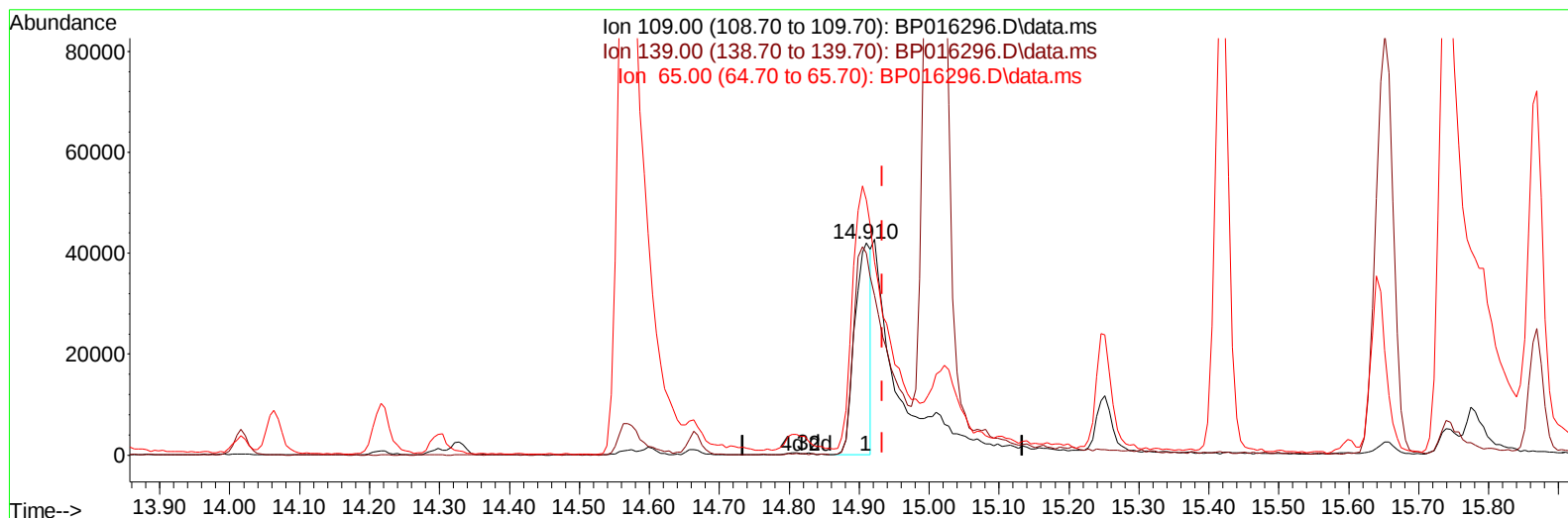
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 Data File : BP016296.D  
 Acq On : 18 Jul 2023 15:55  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Jul 18 23:28:30 2023  
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 QLast Update : Fri Jul 14 23:53:26 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/19/2023  
 Supervised By :mohammad ahmed 07/19/2023



TIC: BP016296.D\data.ms

**(55) 4-Nitrophenol**

**14.910min (-0.023) 9.24 ng/u1**

**response 68729**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 109.00 | 100.00 | 100.00 |
| 139.00 | 96.00  | 95.43  |
| 65.00  | 115.30 | 120.39 |
| 0.00   | 0.00   | 0.00   |

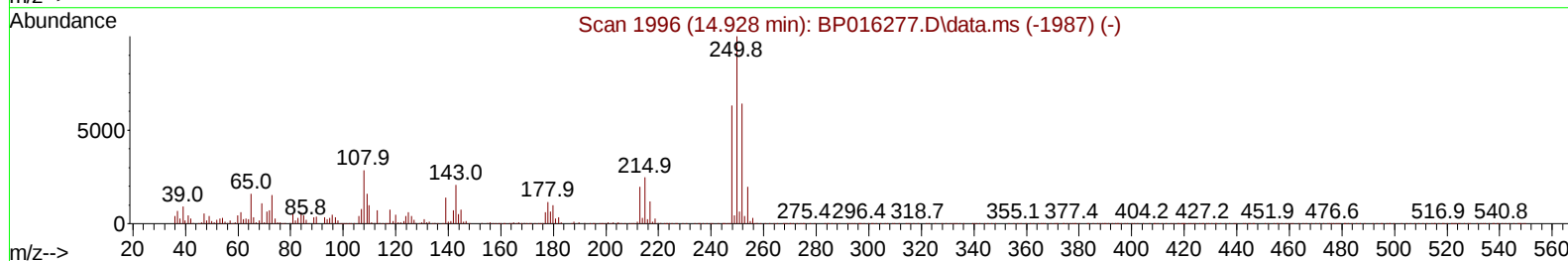
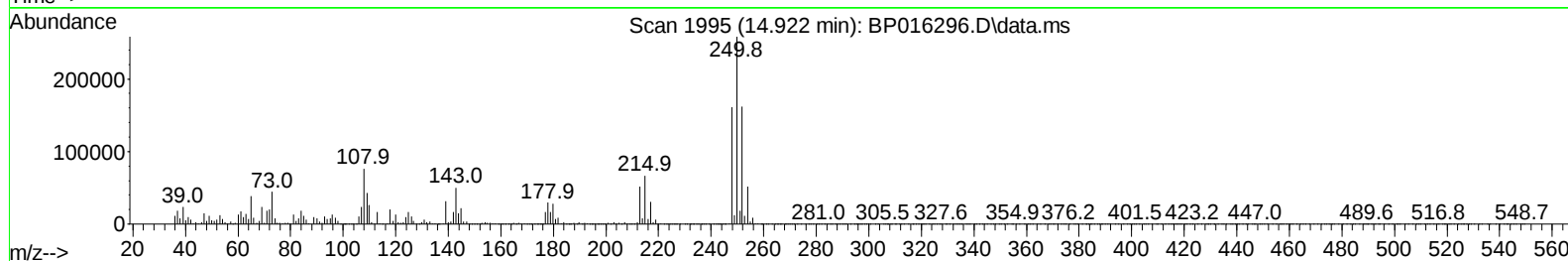
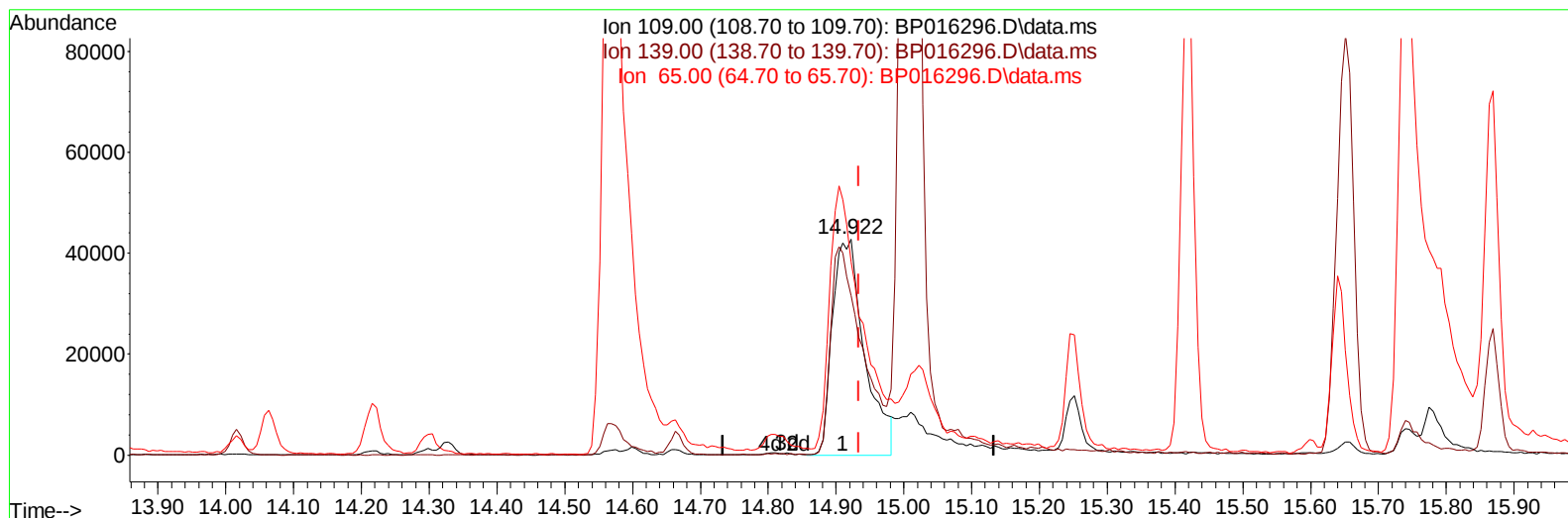
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 Data File : BP016296.D  
 Acq On : 18 Jul 2023 15:55  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Jul 18 23:28:30 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071223.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 14 23:53:26 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/19/2023  
 Supervised By :mohammad ahmed 07/19/2023



TIC: BP016296.D\data.ms

**(55) 4-Nitrophenol**

**14.922min (-0.012) 18.84 ng/ul m**

**response 140078**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 109.00 | 100.00 | 100.00 |
| 139.00 | 96.00  | 73.86# |
| 65.00  | 115.30 | 89.37# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071723\  
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 Acq On : 18 Jul 2023 15:55  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Jul 19 00:57:53 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071223.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 14 23:53:26 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/19/2023  
 Supervised By :mohammad ahmed 07/19/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.946  | 152  | 220173   | 20.000 | ng/ul  | -0.02    |
| 20) Naphthalene-d8            | 10.763 | 136  | 1037669  | 20.000 | ng/ul  | -0.01    |
| 38) Acenaphthene-d10          | 14.598 | 164  | 627730   | 20.000 | ng/ul  | -0.01    |
| 64) Phenanthrene-d10          | 17.363 | 188  | 1633586  | 20.000 | ng/ul  | -0.01    |
| 79) Chrysene-d12              | 21.463 | 240  | 1595350  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.957 | 264  | 1665658  | 20.000 | ng/ul  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.281  | 96   | 55487    | 8.918  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.728  | 84   | 364928   | 23.517 | ng/ul  | -0.01    |
| 7) Phenol-d5                  | 7.134  | 99   | 470792   | 23.673 | ng/ul  | -0.02    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.275  | 67   | 317596   | 23.617 | ng/ul  | -0.02    |
| 11) 2-Chlorophenol-d4         | 7.475  | 132  | 364398   | 25.383 | ng/ul  | -0.02    |
| 15) 4-Methylphenol-d8         | 8.687  | 113  | 324668   | 20.266 | ng/ul  | -0.02    |
| 21) Nitrobenzene-d5           | 9.140  | 128  | 187050   | 26.129 | ng/ul  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.863  | 143  | 209139   | 25.632 | ng/ul  | -0.02    |
| 28) 2,4-Dichlorophenol-d3     | 10.422 | 165  | 332238   | 23.514 | ng/ul  | -0.02    |
| 31) 4-Chloroaniline-d4        | 10.940 | 131  | 434530   | 19.187 | ng/ul  | -0.02    |
| 46) Dimethylphthalate-d6      | 14.016 | 166  | 1070718  | 22.361 | ng/ul  | -0.01    |
| 49) Acenaphthylene-d8         | 14.298 | 160  | 1067857  | 20.349 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.922 | 143  | 192674m  | 19.716 | ng/ul  | -0.01    |
| 60) Fluorene-d10              | 15.598 | 176  | 979686   | 24.447 | ng/ul  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.781 | 200  | 153375   | 16.264 | ng/ul  | -0.01    |
| 73) Anthracene-d10            | 17.469 | 188  | 1543212  | 21.597 | ng/ul  | -0.01    |
| 81) Pyrene-d10                | 19.704 | 212  | 1867135  | 22.555 | ng/ul  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 23.786 | 264  | 1737732  | 21.724 | ng/ul  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.317  | 88   | 62522    | 9.161  | ng/uL  | 94       |
| 5) Pyridine                   | 3.746  | 79   | 386551   | 24.320 | ng/ul  | 98       |
| 6) Benzaldehyde               | 7.105  | 77   | 317822   | 25.594 | ng/ul  | 96       |
| 8) Phenol                     | 7.158  | 94   | 509209   | 23.886 | ng/ul  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.369  | 93   | 411468   | 23.733 | ng/ul  | 98       |
| 12) 2-Chlorophenol            | 7.510  | 128  | 376346   | 25.266 | ng/ul  | 97       |
| 13) 2-Methylphenol            | 8.416  | 108  | 340070   | 21.194 | ng/ul  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.469  | 45   | 563457   | 20.026 | ng/ul  | 99       |
| 16) Acetophenone              | 8.799  | 105  | 613823   | 23.235 | ng/ul  | 100      |
| 17) N-Nitroso-di-n-propyla... | 8.763  | 70   | 339419   | 23.965 | ng/ul  | 98       |
| 18) 4-Methylphenol            | 8.757  | 108  | 409229   | 23.323 | ng/ul  | 98       |
| 19) Hexachloroethane          | 9.010  | 117  | 161893   | 23.841 | ng/ul  | 100      |
| 22) Nitrobenzene              | 9.181  | 77   | 507636   | 24.406 | ng/ul  | 99       |
| 23) Isophorone                | 9.699  | 82   | 974834   | 23.644 | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 9.899  | 139  | 221979   | 25.321 | ng/ul  | 97       |
| 26) 2,4-Dimethylphenol        | 9.957  | 107  | 466662   | 24.207 | ng/ul  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.181 | 93   | 583509   | 24.306 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.446 | 162  | 326450   | 22.470 | ng/ul  | 99       |
| 30) Naphthalene               | 10.810 | 128  | 1158408  | 21.272 | ng/ul  | 98       |
| 32) 4-Chloroaniline           | 10.963 | 127  | 434224   | 19.278 | ng/ul  | 99       |
| 33) Hexachlorobutadiene       | 11.069 | 225  | 213414   | 21.628 | ng/ul  | 99       |
| 34) Caprolactam               | 11.775 | 113  | 119830m  | 22.783 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.104 | 107  | 435626   | 24.298 | ng/ul  | 97       |

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 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Jul 19 00:57:53 2023  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 14 23:53:26 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/19/2023  
 Supervised By :mohammad ahmed 07/19/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 36) 2-Methylnaphthalene       | 12.434 | 142  | 866875   | 23.742 | ng/ul | 100      |
| 37) 1-Methylnaphthalene       | 12.646 | 142  | 881814   | 23.483 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.804 | 216  | 457835   | 25.608 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.751 | 237  | 160650   | 22.889 | ng/ul | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.063 | 196  | 302953   | 26.821 | ng/ul | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.157 | 196  | 325709   | 27.123 | ng/ul | 98       |
| 43) 1,1'-Biphenyl             | 13.434 | 154  | 1145539  | 25.017 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.487 | 162  | 920326   | 25.582 | ng/ul | 100      |
| 45) 2-Nitroaniline            | 13.728 | 65   | 305911   | 26.092 | ng/ul | 96       |
| 47) Dimethylphthalate         | 14.063 | 163  | 1060848  | 21.935 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.216 | 165  | 188122   | 20.633 | ng/ul | 97       |
| 50) Acenaphthylene            | 14.328 | 152  | 1209924  | 20.075 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.569 | 138  | 199111   | 21.505 | ng/ul | 96       |
| 52) Acenaphthene              | 14.663 | 153  | 843818   | 20.700 | ng/ul | 100      |
| 53) 2,4-Dinitrophenol         | 14.810 | 184  | 130632   | 20.470 | ng/ul | 95       |
| 55) 4-Nitrophenol             | 14.922 | 109  | 140078m  | 18.836 | ng/ul |          |
| 56) Dibenzofuran              | 15.010 | 168  | 1239528  | 22.324 | ng/ul | 98       |
| 57) 2,4-Dinitrotoluene        | 15.028 | 165  | 317816   | 23.630 | ng/ul | 88       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.251 | 232  | 277989   | 25.507 | ng/ul | 99       |
| 59) Diethylphthalate          | 15.422 | 149  | 1180595  | 23.474 | ng/ul | 100      |
| 61) Fluorene                  | 15.657 | 166  | 1126782  | 24.292 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.639 | 204  | 546041   | 24.340 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.739 | 138  | 209046   | 24.584 | ng/ul | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.798 | 198  | 167924   | 17.037 | ng/ul | 98       |
| 67) N-Nitrosodiphenylamine    | 15.869 | 169  | 948277   | 21.900 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.539 | 248  | 341054   | 21.969 | ng/ul | 99       |
| 69) Hexachlorobenzene         | 16.663 | 284  | 401234   | 21.461 | ng/ul | 99       |
| 70) Atrazine                  | 16.828 | 200  | 353882   | 20.610 | ng/ul | 98       |
| 71) Pentachlorophenol         | 17.034 | 266  | 203149   | 21.669 | ng/ul | 99       |
| 72) Phenanthrene              | 17.410 | 178  | 1813558  | 21.307 | ng/ul | 100      |
| 74) Anthracene                | 17.510 | 178  | 1858180  | 21.726 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.404 | 216  | 489731   | 22.836 | ng/uL | 99       |
| 76) Pentachlorobenzene        | 14.928 | 250  | 407767   | 20.144 | ng/uL | 98       |
| 77) Carbazole                 | 17.798 | 167  | 1666721  | 21.373 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.304 | 149  | 2091147  | 21.407 | ng/ul | 99       |
| 80) Fluoranthene              | 19.380 | 202  | 2193604  | 22.660 | ng/ul | 99       |
| 82) Pyrene                    | 19.739 | 202  | 2292673  | 22.183 | ng/ul | 98       |
| 83) Butylbenzylphthalate      | 20.580 | 149  | 1016812  | 22.812 | ng/ul | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.380 | 252  | 661862   | 17.756 | ng/ul | 97       |
| 85) Benzo(a)anthracene        | 21.445 | 228  | 2267735  | 21.829 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.327 | 149  | 1508773  | 22.659 | ng/ul | 99       |
| 87) Chrysene                  | 21.504 | 228  | 2177707  | 20.692 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.263 | 149  | 2475714  | 23.729 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.180 | 252  | 1933918  | 20.326 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.233 | 252  | 2040819  | 21.078 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.839 | 252  | 1995220  | 21.169 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.580 | 276  | 2152287  | 18.441 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.580 | 278  | 1794096  | 18.845 | ng/ul | 100      |
| 96) Benzo(g,h,i)perylene      | 27.404 | 276  | 1522041  | 16.338 | ng/ul | 99       |

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

**Instrument :**  
BNA\_P  
**LabSampleId :**  
SSTDCCC020EC

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 07/19/2023  
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