

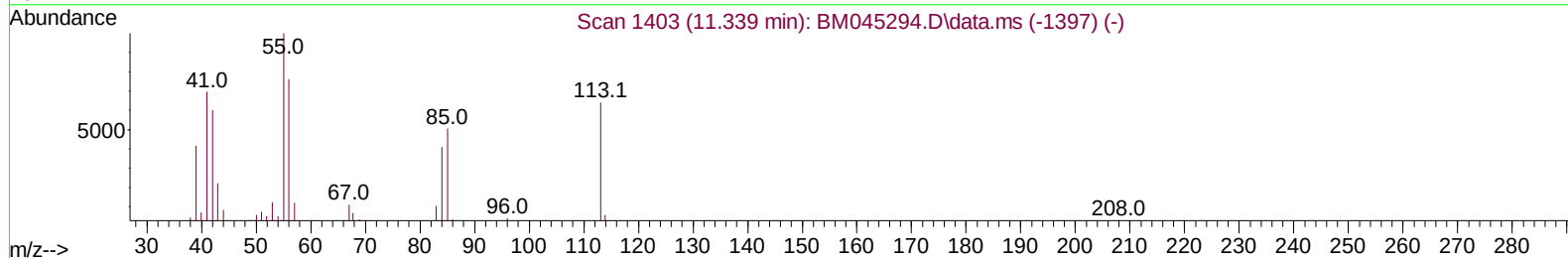
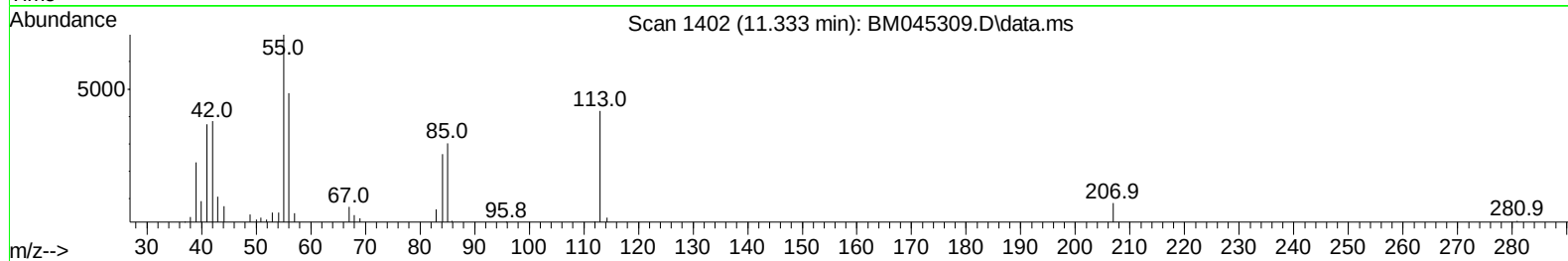
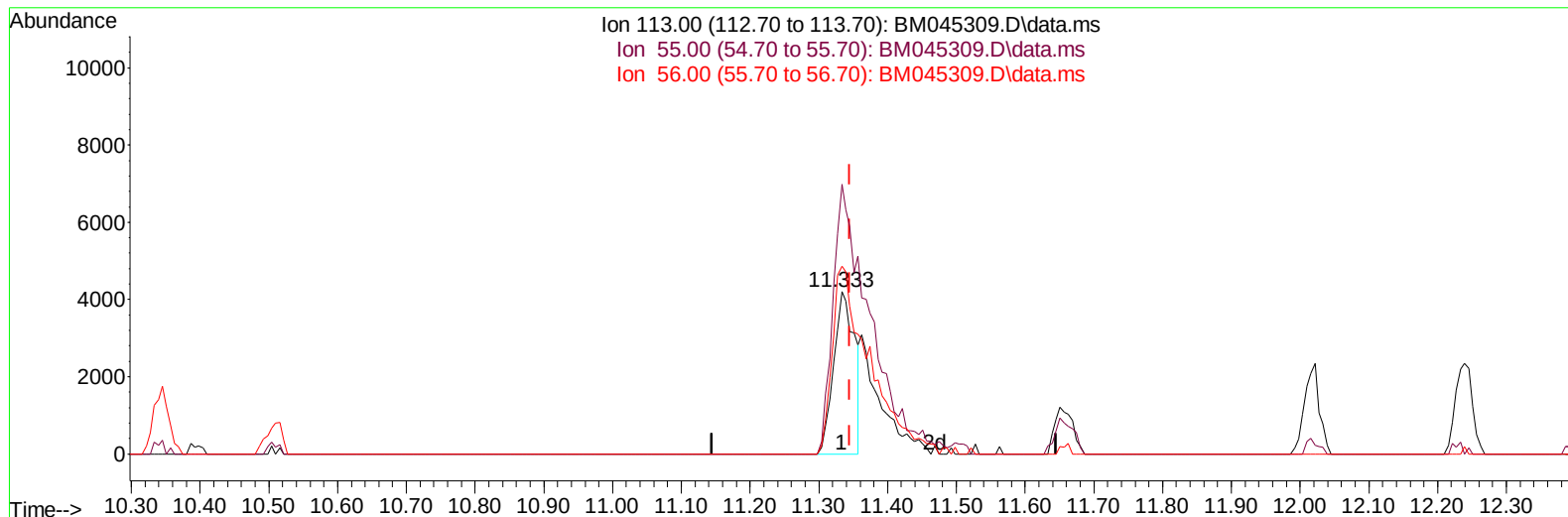
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM041524\  
Data File : BM045309.D  
Acq On : 17 Apr 2024 09:27  
Operator : MA/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 70 Sample Multiplier: 1

Instrument :  
BNA\_M  
LabSampleId :  
SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Apr 17 11:06:34 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM040524.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Apr 15 22:24:11 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/17/2024  
Supervised By :mohammad ahmed 04/18/2024



TIC: BM045309.D\data.ms

**(34) Caprolactam**

**11.333min (-0.012) 8.96 ng/u1**

**response 8897**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 156.70 | 165.83 |
| 56.00  | 114.80 | 115.47 |
| 0.00   | 0.00   | 0.00   |

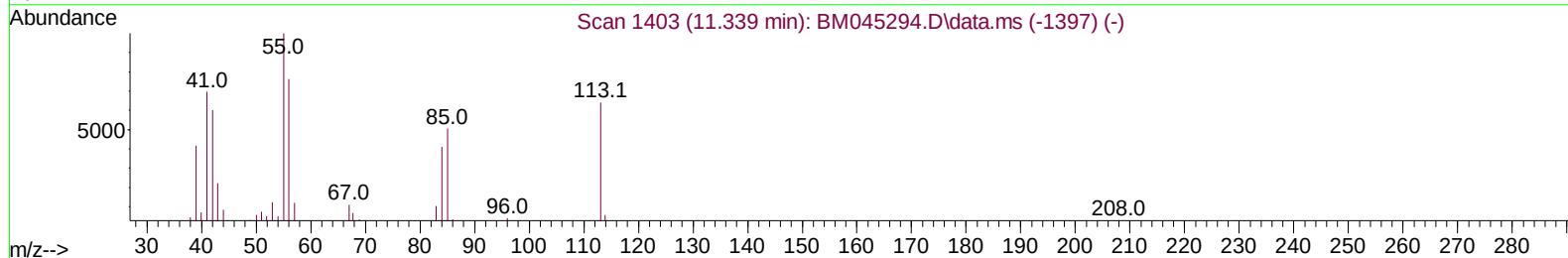
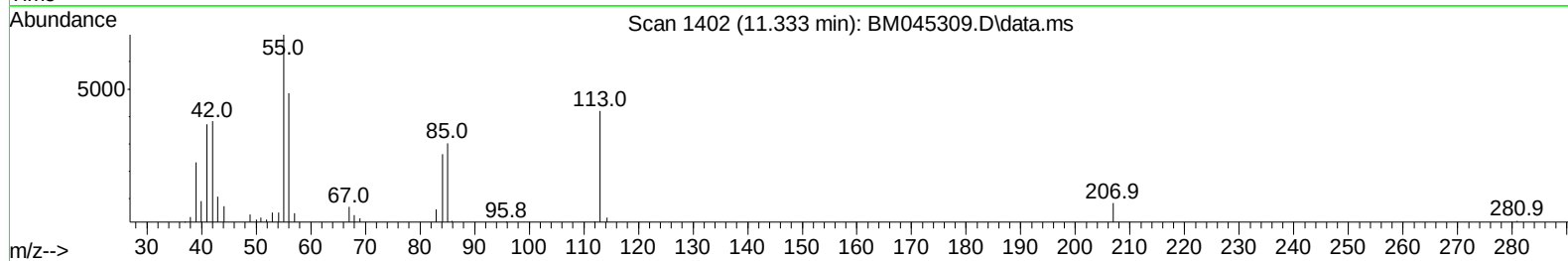
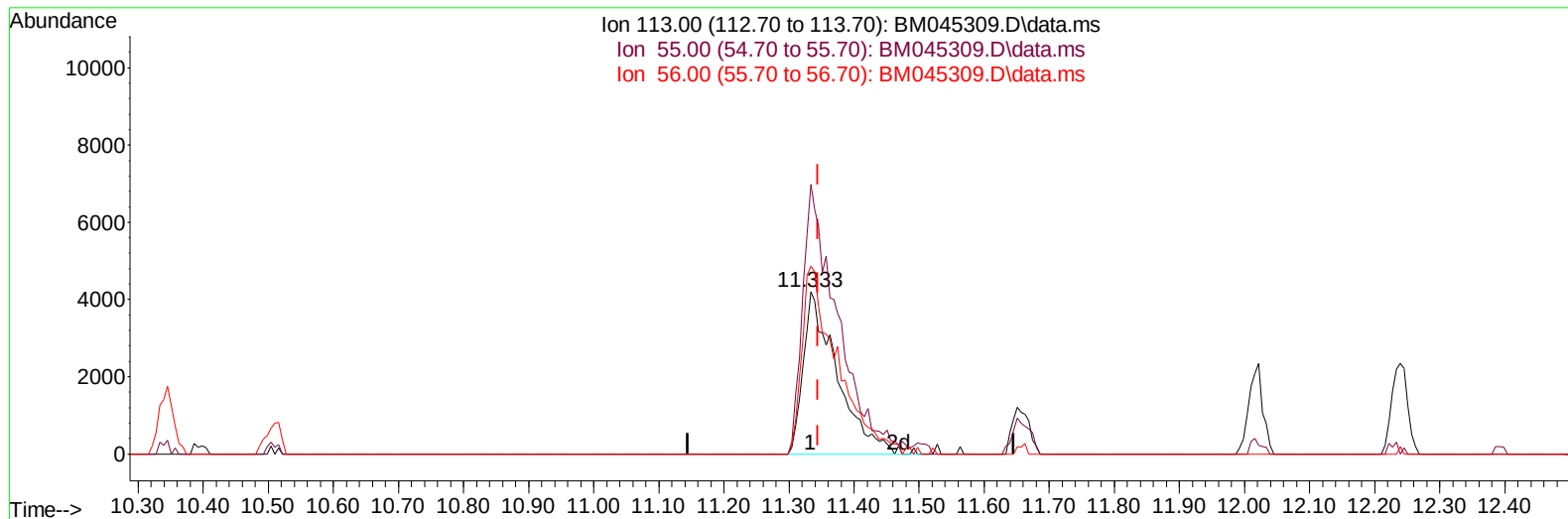
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Data File : BM045309.D  
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ALS Vial : 70 Sample Multiplier: 1

Instrument :  
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LabSampleId :  
SSTDCCC020EC

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 04/18/2024



TIC: BM045309.D\data.ms

**(34) Caprolactam**

11.333min (-0.012) 15.41 ng/ul m

response 15305

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 156.70 | 165.83 |
| 56.00  | 114.80 | 115.47 |
| 0.00   | 0.00   | 0.00   |

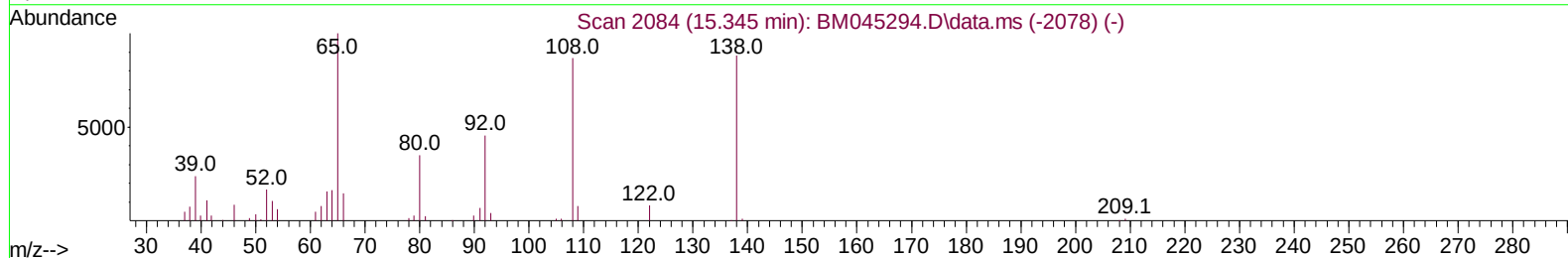
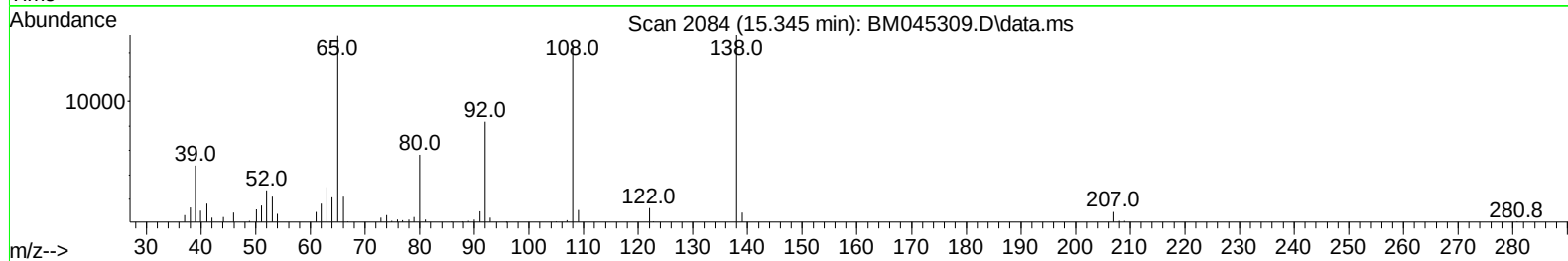
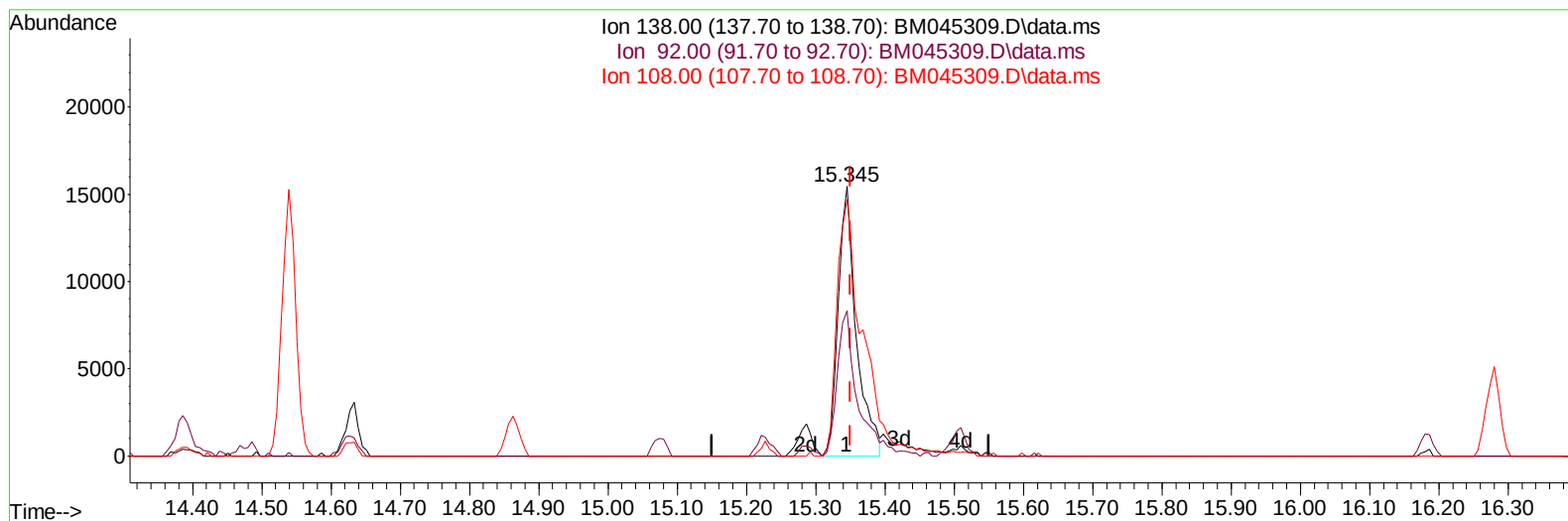
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM041524\  
Data File : BM045309.D  
Acq On : 17 Apr 2024 09:27  
Operator : MA/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 70 Sample Multiplier: 1

Instrument :  
BNA\_M  
LabSampleId :  
SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Apr 17 11:06:34 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM040524.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Apr 15 22:24:11 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/17/2024  
Supervised By :mohammad ahmed 04/18/2024



TIC: BM045309.D\data.ms

**(63) 4-Nitroaniline**

**15.345min (-0.006) 16.58 ng/ul**

**response 28046**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 138.00 | 100.00 | 100.00 |
| 92.00  | 49.70  | 53.94  |
| 108.00 | 83.00  | 95.06  |
| 0.00   | 0.00   | 0.00   |

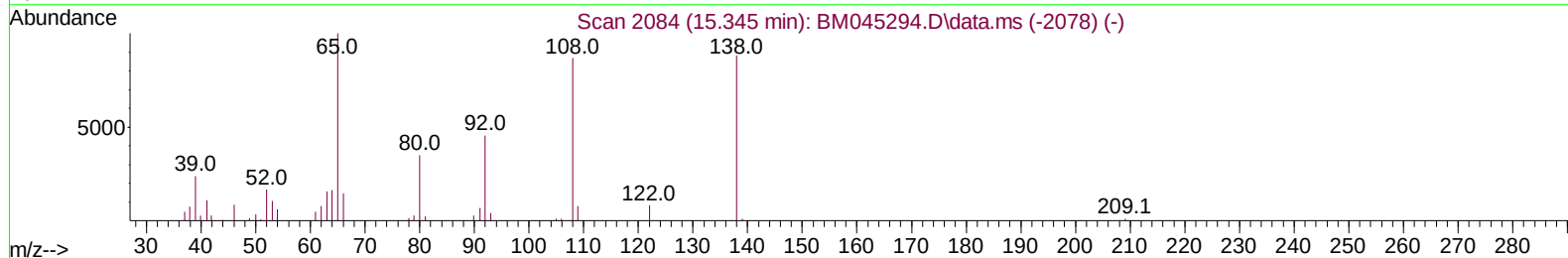
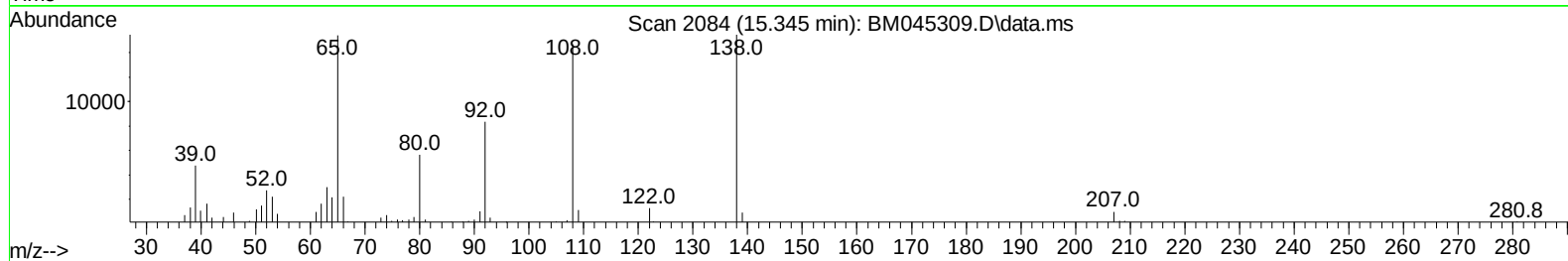
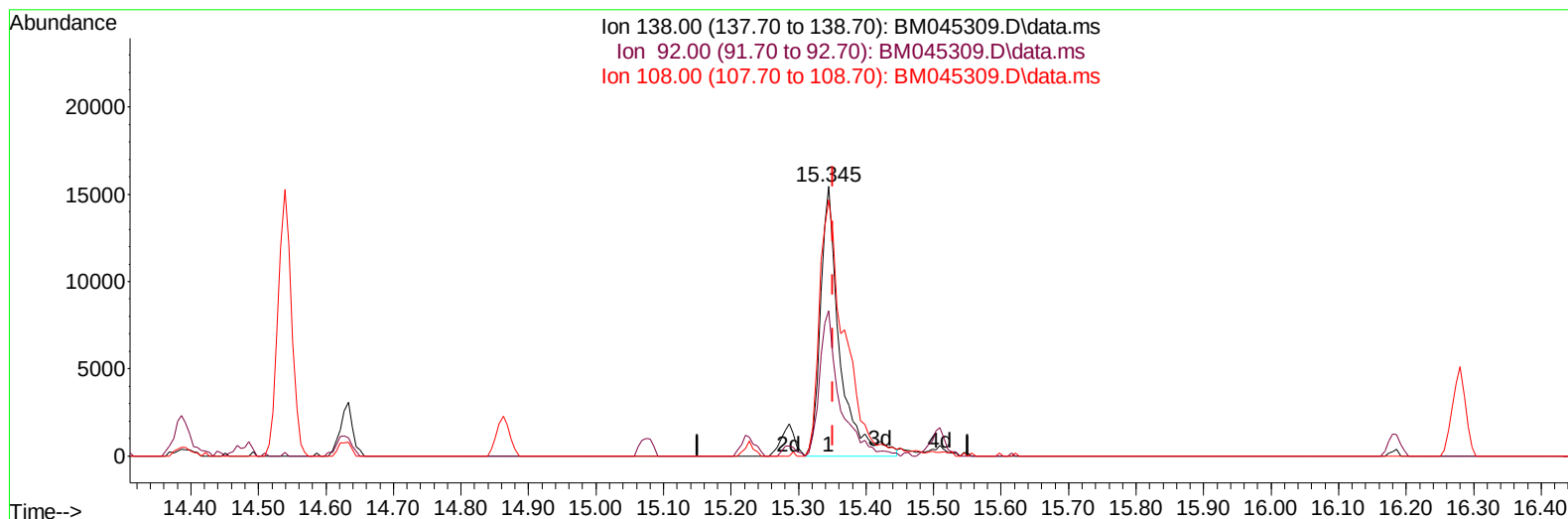
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM041524\  
Data File : BM045309.D  
Acq On : 17 Apr 2024 09:27  
Operator : MA/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 70 Sample Multiplier: 1

Instrument :  
BNA\_M  
LabSampleId :  
SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Apr 17 11:06:34 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM040524.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Apr 15 22:24:11 2024  
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Reviewed By :Yogesh Patel 04/17/2024  
Supervised By :mohammad ahmed 04/18/2024



TIC: BM045309.D\data.ms

**(63) 4-Nitroaniline**

**15.345min (-0.006) 17.93 ng/ul m**

**response 30321**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 138.00 | 100.00 | 100.00 |
| 92.00  | 49.70  | 53.94  |
| 108.00 | 83.00  | 95.06  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM041524\  
 Data File : BM045309.D  
 Acq On : 17 Apr 2024 09:27  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 70 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Apr 17 11:07:33 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM040524.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Apr 15 22:24:11 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/17/2024  
 Supervised By :mohammad ahmed 04/18/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.575  | 152  | 48965    | 20.000 | ng/ul  | -0.01    |
| 20) Naphthalene-d8            | 10.345 | 136  | 195828   | 20.000 | ng/ul  | -0.01    |
| 38) Acenaphthene-d10          | 14.227 | 164  | 119552   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 16.986 | 188  | 232630   | 20.000 | ng/ul  | -0.01    |
| 79) Chrysene-d12              | 21.197 | 240  | 237931   | 20.000 | ng/ul  | -0.01    |
| 88) Perylene-d12              | 23.397 | 264  | 301290   | 20.000 | ng/ul  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.175  | 96   | 10301    | 7.856  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.575  | 84   | 60959    | 17.095 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.757  | 99   | 73531    | 17.714 | ng/ul  | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 6.934  | 67   | 48748    | 19.711 | ng/ul  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.110  | 132  | 65415    | 20.115 | ng/ul  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.286  | 113  | 58786    | 18.093 | ng/ul  | -0.01    |
| 21) Nitrobenzene-d5           | 8.739  | 128  | 30429    | 20.229 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.445  | 143  | 32676    | 20.581 | ng/ul  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 9.980  | 165  | 59834    | 20.555 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.504 | 131  | 84331    | 18.196 | ng/ul  | -0.02    |
| 46) Dimethylphthalate-d6      | 13.651 | 166  | 168007   | 20.183 | ng/ul  | -0.01    |
| 49) Acenaphthylene-d8         | 13.916 | 160  | 197627   | 20.097 | ng/ul  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.463 | 143  | 26216    | 15.091 | ng/ul  | -0.01    |
| 60) Fluorene-d10              | 15.227 | 176  | 142797   | 19.242 | ng/ul  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.374 | 200  | 23405    | 16.969 | ng/ul  | -0.01    |
| 73) Anthracene-d10            | 17.086 | 188  | 217943   | 20.826 | ng/ul  | -0.01    |
| 81) Pyrene-d10                | 19.392 | 212  | 238911   | 20.392 | ng/ul  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 23.256 | 264  | 298067   | 20.280 | ng/ul  | -0.02    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.210  | 88   | 9933     | 7.253  | ng/uL  | 91       |
| 5) Pyridine                   | 3.593  | 79   | 65198    | 17.256 | ng/ul  | 97       |
| 6) Benzaldehyde               | 6.745  | 77   | 46357    | 24.091 | ng/ul  | 89       |
| 8) Phenol                     | 6.787  | 94   | 76561    | 17.811 | ng/ul# | 94       |
| 10) Bis(2-Chloroethyl)ether   | 7.022  | 93   | 65903    | 19.644 | ng/ul  | 97       |
| 12) 2-Chlorophenol            | 7.139  | 128  | 67428    | 19.759 | ng/ul  | 94       |
| 13) 2-Methylphenol            | 8.022  | 108  | 57574    | 18.146 | ng/ul  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.098  | 45   | 77743    | 19.429 | ng/ul# | 95       |
| 16) Acetophenone              | 8.404  | 105  | 97717    | 18.498 | ng/ul  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.386  | 70   | 47342    | 18.981 | ng/ul# | 90       |
| 18) 4-Methylphenol            | 8.351  | 108  | 62366    | 18.236 | ng/ul  | 99       |
| 19) Hexachloroethane          | 8.622  | 117  | 31766    | 21.165 | ng/ul  | 97       |
| 22) Nitrobenzene              | 8.781  | 77   | 78134    | 21.172 | ng/ul  | 95       |
| 23) Isophorone                | 9.298  | 82   | 135984   | 20.055 | ng/ul  | 98       |
| 25) 2-Nitrophenol             | 9.481  | 139  | 36369    | 20.638 | ng/ul  | 92       |
| 26) 2,4-Dimethylphenol        | 9.539  | 107  | 67736    | 19.938 | ng/ul  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.786  | 93   | 84140    | 20.932 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.004 | 162  | 60264    | 20.491 | ng/ul  | 94       |
| 30) Naphthalene               | 10.392 | 128  | 206743   | 19.943 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.528 | 127  | 80789    | 17.915 | ng/ul  | 98       |
| 33) Hexachlorobutadiene       | 10.657 | 225  | 38765    | 21.199 | ng/ul  | 93       |
| 34) Caprolactam               | 11.333 | 113  | 15305m   | 15.415 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.657 | 107  | 56951    | 19.480 | ng/ul  | 97       |

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 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 70 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Apr 17 11:07:33 2024  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Apr 15 22:24:11 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/17/2024  
 Supervised By :mohammad ahmed 04/18/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.016 | 142  | 136877   | 20.222 | ng/ul  | 99       |
| 37) 1-Methylnaphthalene       | 12.239 | 142  | 134574   | 19.647 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.386 | 216  | 67016    | 20.497 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.351 | 237  | 43294    | 21.874 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.645 | 196  | 43307    | 20.305 | ng/ul  | 91       |
| 42) 2,4,5-Trichlorophenol     | 12.721 | 196  | 46774    | 19.904 | ng/ul  | 93       |
| 43) 1,1'-Biphenyl             | 13.051 | 154  | 174571   | 20.679 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.092 | 162  | 141014   | 20.560 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.327 | 65   | 38358    | 20.260 | ng/ul  | 99       |
| 47) Dimethylphthalate         | 13.704 | 163  | 174335   | 20.037 | ng/ul# | 98       |
| 48) 2,6-Dinitrotoluene        | 13.833 | 165  | 32278    | 18.928 | ng/ul# | 83       |
| 50) Acenaphthylene            | 13.945 | 152  | 231082   | 20.120 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.168 | 138  | 33511    | 18.015 | ng/ul  | 86       |
| 52) Acenaphthene              | 14.292 | 153  | 152041   | 19.839 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.386 | 184  | 13669    | 13.482 | ng/ul  | 98       |
| 55) 4-Nitrophenol             | 14.480 | 109  | 24871    | 16.279 | ng/ul# | 79       |
| 56) Dibenzofuran              | 14.627 | 168  | 201829   | 19.245 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 14.627 | 165  | 47838    | 18.741 | ng/ul# | 80       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.863 | 232  | 37402    | 18.596 | ng/ul# | 97       |
| 59) Diethylphthalate          | 15.074 | 149  | 178070   | 20.061 | ng/ul  | 98       |
| 61) Fluorene                  | 15.286 | 166  | 163632   | 18.512 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.286 | 204  | 75809    | 18.298 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.345 | 138  | 30321m   | 17.929 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.392 | 198  | 24709    | 16.728 | ng/ul  | 97       |
| 67) N-Nitrosodiphenylamine    | 15.510 | 169  | 135826   | 21.644 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.186 | 248  | 49032    | 21.641 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.280 | 284  | 61563    | 20.889 | ng/ul  | 93       |
| 70) Atrazine                  | 16.474 | 200  | 45189    | 19.576 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.639 | 266  | 31315    | 17.492 | ng/ul  | 96       |
| 72) Phenanthrene              | 17.027 | 178  | 259819   | 20.754 | ng/ul  | 99       |
| 74) Anthracene                | 17.121 | 178  | 264601   | 20.663 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.004 | 216  | 66250    | 22.595 | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 14.539 | 250  | 67803    | 21.734 | ng/uL  | 95       |
| 77) Carbazole                 | 17.409 | 167  | 235668   | 19.086 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 17.974 | 149  | 303689   | 21.809 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.056 | 202  | 287472   | 20.804 | ng/ul  | 99       |
| 82) Pyrene                    | 19.421 | 202  | 307745   | 20.638 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.350 | 149  | 131072   | 20.980 | ng/ul  | 93       |
| 84) 3,3'-Dichlorobenzidine    | 21.133 | 252  | 100919   | 19.076 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.186 | 228  | 313977   | 19.448 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.133 | 149  | 205757   | 21.069 | ng/ul  | 98       |
| 87) Chrysene                  | 21.239 | 228  | 297831   | 19.790 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.009 | 149  | 357551   | 18.862 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.738 | 252  | 347572   | 19.793 | ng/ul  | 97       |
| 91) Benzo(k)fluoranthene      | 22.786 | 252  | 356697   | 20.181 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 23.303 | 252  | 343812   | 20.117 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.597 | 276  | 460260   | 20.790 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 25.609 | 278  | 391066   | 21.128 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 26.268 | 276  | 376217   | 21.542 | ng/ul  | 98       |

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

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**LabSampleId :**  
SSTDCCC020EC

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