Quantitation Report (Qedit)

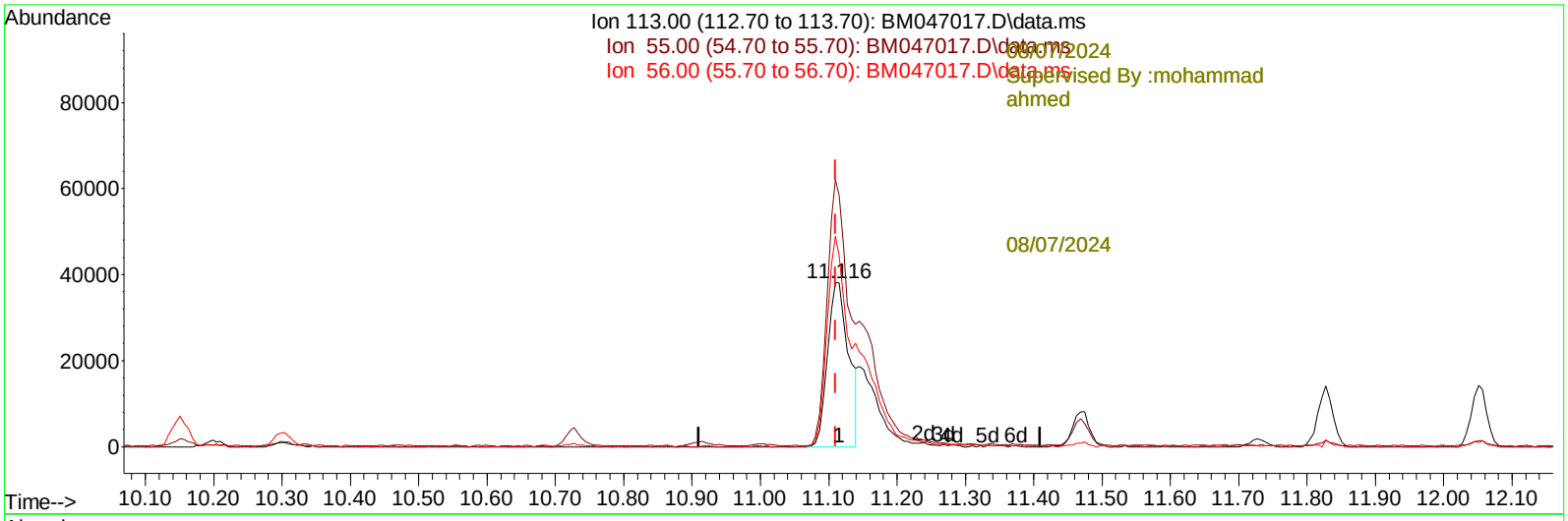
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080524\
Data File : BM047017.D
Acq On : 06 Aug 2024 08:54
Operator : RC/JU
Sample : P3382-05MS
Misc :
ALS Vial : 35 Sample Multiplier: 1

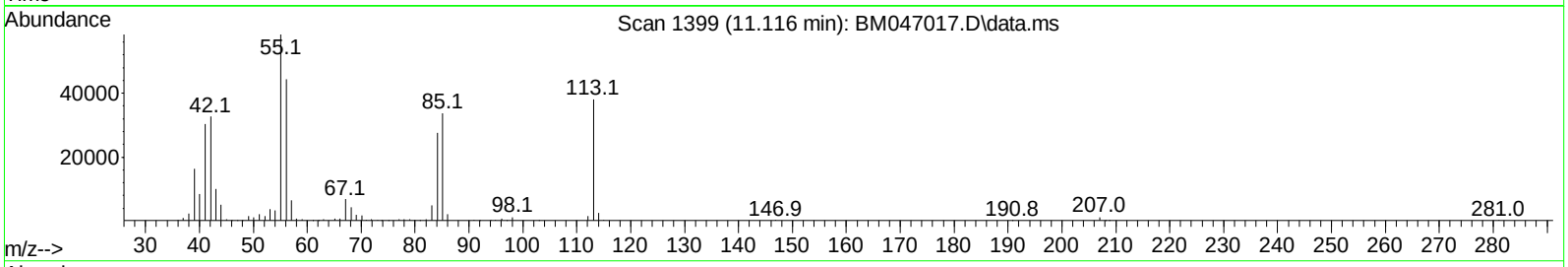
Quant Time: Aug 07 00:55:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM080224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 06 04:53:02 2024
Response via : Initial Calibration

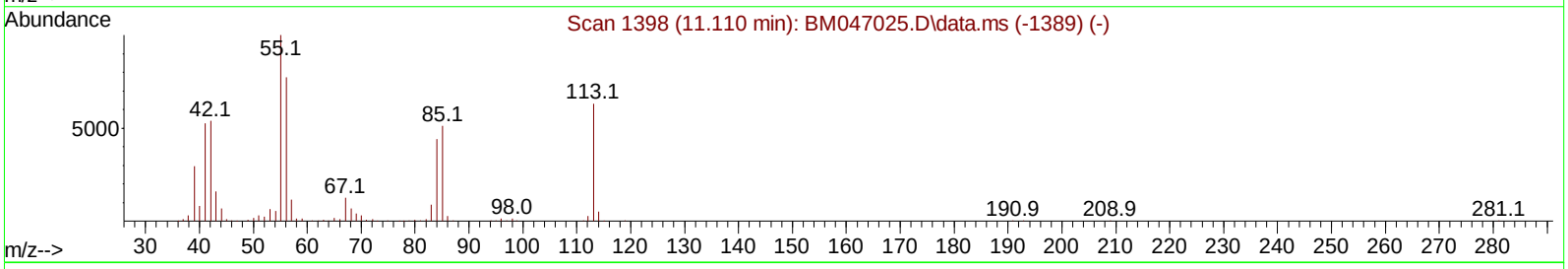
**Instrument :**
BNA_M
**ClientSampleId :**
E20R9MS

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/07/2024
Supervised By :mohammad ahmed 08/07/2024




TIC: BM047017.D\data.ms

**(34) Caprolactam**

**11.116min (+ 0.006) 15.32 ng/ul**

**response 82472**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 132.90 | 153.31 |
| 56.00 | 118.20 | 116.57 |
| 0.00 | 0.00 | 0.00 |

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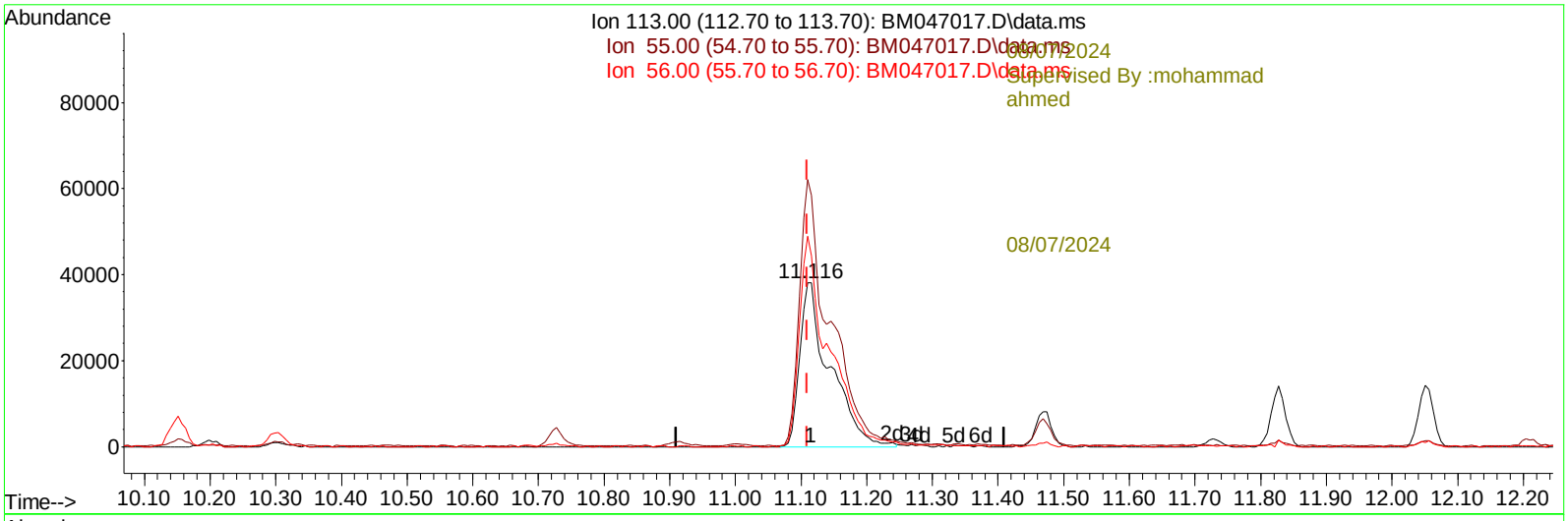
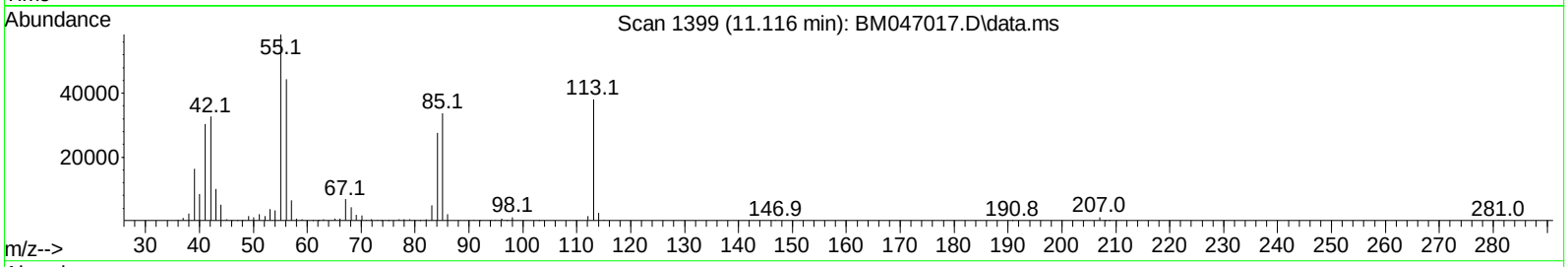
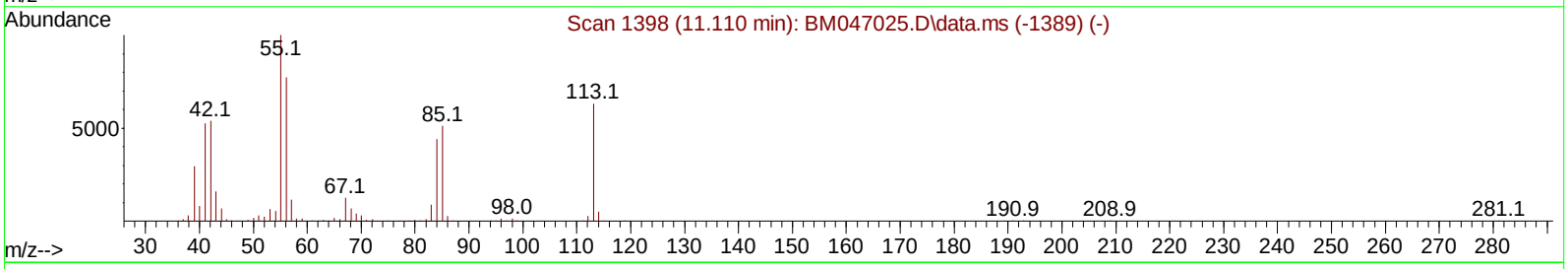
**Instrument :**
BNA_M
**ClientSampleId :**
E20R9MS

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/07/2024
Supervised By :mohammad ahmed 08/07/2024




TIC: BM047017.D\data.ms

**(34) Caprolactam**

**11.116min (+ 0.006) 22.59 ng/ul m**

**response 121616**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 132.90 | 153.31 |
| 56.00 | 118.20 | 116.57 |
| 0.00 | 0.00 | 0.00 |

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QLast Update : Tue Aug 06 04:53:02 2024
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**Instrument :**
BNA_M
**ClientSampleId :**
E20R9MS

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/07/2024
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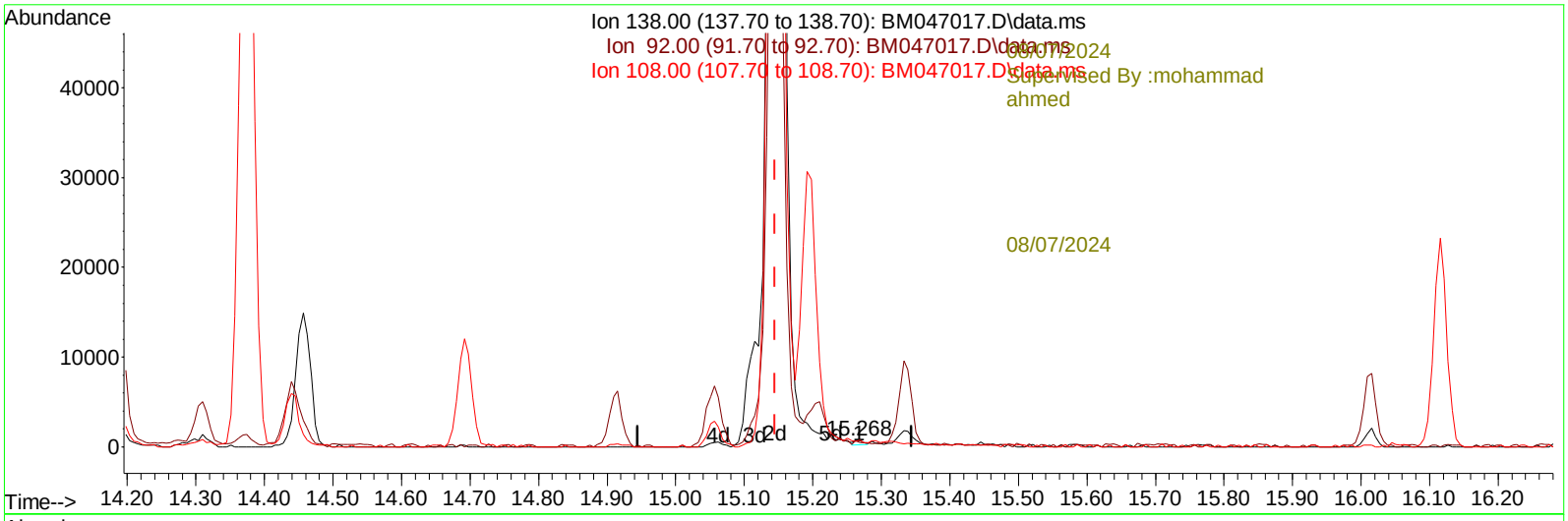


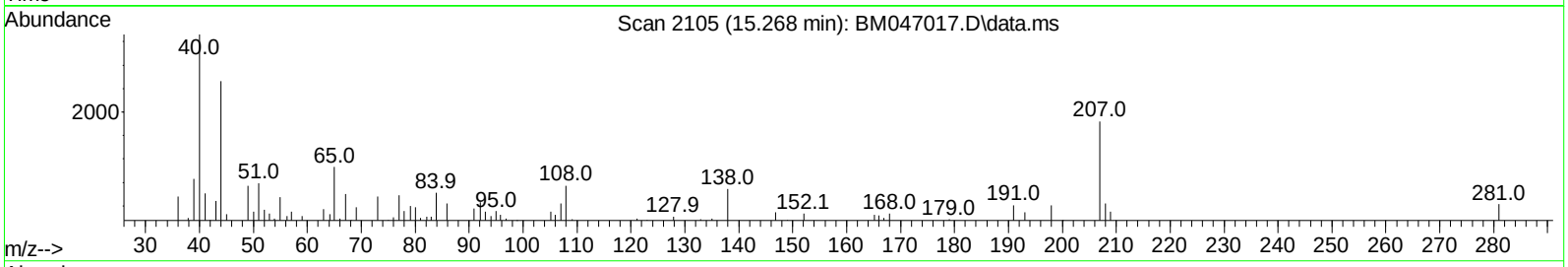


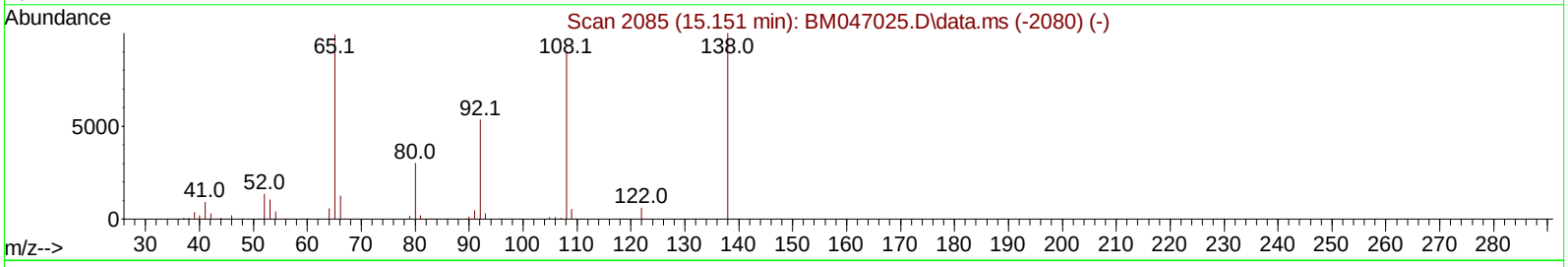


TIC: BM047017.D\data.ms

**(63) 4-Nitroaniline**

**15.268min (+ 0.123) 0.04 ng/ul**

**response 440**

| Ion | Exp% | Act% |
|---|---|---|
| 138.00 | 100.00 | 100.00 |
| 92.00 | 59.60 | 66.72 |
| 108.00 | 109.10 | 108.61 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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Operator : RC/JU
Sample : P3382-05MS
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 07 00:55:24 2024
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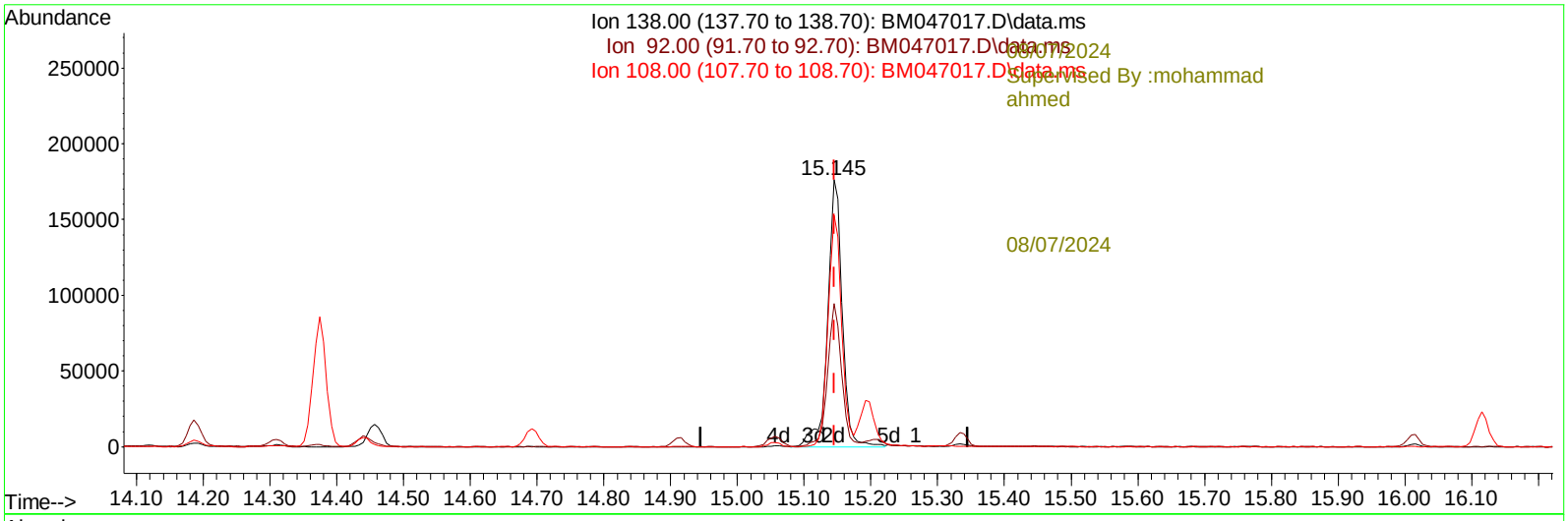
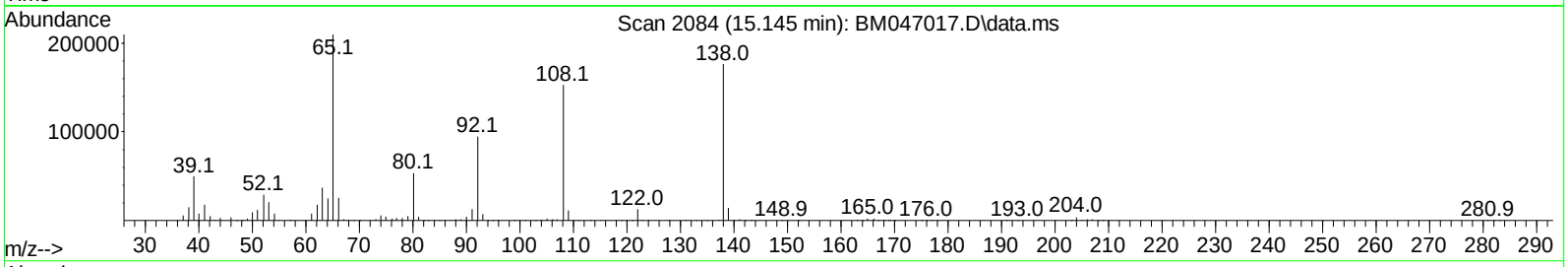
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 06 04:53:02 2024
Response via : Initial Calibration

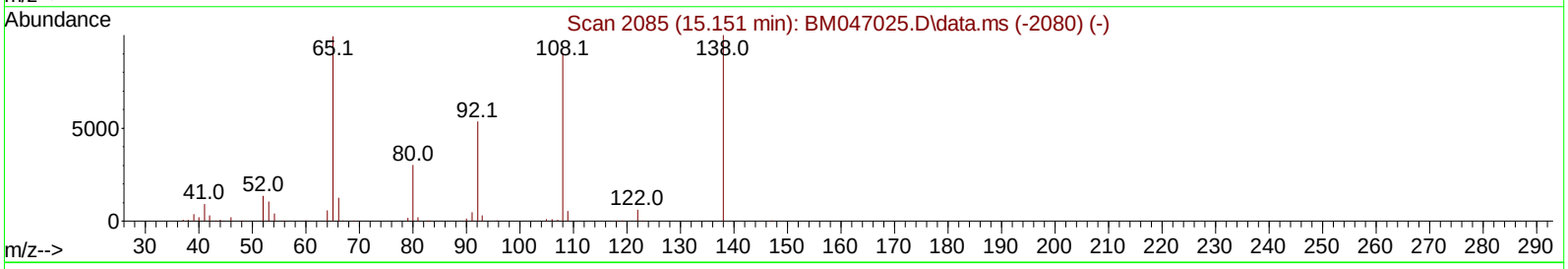
**Instrument :**
BNA_M
**ClientSampleId :**
E20R9MS

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/07/2024
Supervised By :mohammad ahmed 08/07/2024




TIC: BM047017.D\data.ms

**(63) 4-Nitroaniline**

**15.145min (-0.000) 25.68 ng/ul m**

**response 268289**

| Ion | Exp% | Act% |
|---|---|---|
| 138.00 | 100.00 | 100.00 |
| 92.00 | 59.60 | 53.68 |
| 108.00 | 109.10 | 86.74# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080524\
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Acq On : 06 Aug 2024 08:54
Operator : RC/JU
Sample : P3382-05MS
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 07 00:56:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM080224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 06 04:53:02 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
E20R9MS

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/07/2024
Supervised By :mohammad ahmed 08/07/2024

08/07/2024
Supervised By :mohammad ahmed

08/07/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.392 | 152 | 266170 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.151 | 136 | 1059428 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.051 | 164 | 696043 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 16.809 | 188 | 1452062 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.050 | 240 | 1213832 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.756 | 264 | 1376714 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.016 | 96 | 19835 | 2.952 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.404 | 84 | 303272 | 16.549 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.598 | 99 | 444883 | 22.003 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 6.751 | 67 | 278949 | 20.967 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 6.939 | 132 | 355507 | 20.756 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.116 | 113 | 364386 | 22.749 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.539 | 128 | 180538 | 21.237 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.251 | 143 | 211314 | 22.762 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 9.786 | 165 | 403520 | 22.638 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.298 | 131 | 502901 | 21.468 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.480 | 166 | 1225180 | 23.021 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 13.739 | 160 | 1377374 | 23.186 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.292 | 143 | 209367 | 20.346 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.057 | 176 | 1026636 | 22.550 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.198 | 200 | 184268 | 20.086 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 16.909 | 188 | 1597959 | 23.214 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.227 | 212 | 1785395 | 25.695 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.574 | 264 | 1765034 | 24.347 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.051 | 88 | 44147 | 5.905 | ng/uL | 99 |
| 5) Pyridine | 3.428 | 79 | 309284 | 17.047 | ng/ul | 92 |
| 6) Benzaldehyde | 6.557 | 77 | 270286 | 23.273 | ng/ul | 99 |
| 8) Phenol | 6.628 | 94 | 466609 | 22.915 | ng/ul | 93 |
| 10) Bis(2-Chloroethyl)ether | 6.839 | 93 | 380658 | 21.932 | ng/ul | 97 |
| 12) 2-Chlorophenol | 6.969 | 128 | 375553 | 21.643 | ng/ul | 98 |
| 13) 2-Methylphenol | 7.851 | 108 | 358603 | 23.118 | ng/ul | 97 |
| 14) 2,2'-oxybis(1-Chloropr... | 7.922 | 45 | 491607 | 23.637 | ng/ul | 99 |
| 16) Acetophenone | 8.210 | 105 | 571663 | 22.675 | ng/ul | 96 |
| 17) N-Nitroso-di-n-propyla... | 8.204 | 70 | 308876 | 23.233 | ng/ul | 97 |
| 18) 4-Methylphenol | 8.181 | 108 | 392231 | 23.403 | ng/ul | 99 |
| 19) Hexachloroethane | 8.451 | 117 | 159830 | 18.909 | ng/ul | 89 |
| 22) Nitrobenzene | 8.581 | 77 | 469918 | 20.689 | ng/ul | 95 |
| 23) Isophorone | 9.110 | 82 | 886477 | 22.810 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.280 | 139 | 233074 | 22.950 | ng/ul# | 93 |
| 26) 2,4-Dimethylphenol | 9.363 | 107 | 397407 | 19.852 | ng/ul | 96 |
| 27) Bis(2-Chloroethoxy)met... | 9.592 | 93 | 535089 | 22.335 | ng/ul | 100 |
| 29) 2,4-Dichlorophenol | 9.816 | 162 | 404260 | 22.740 | ng/ul | 98 |
| 30) Naphthalene | 10.204 | 128 | 1218634 | 21.725 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.322 | 127 | 470961 | 20.702 | ng/ul | 98 |
| 33) Hexachlorobutadiene | 10.492 | 225 | 246907 | 19.251 | ng/ul | 98 |
| 34) Caprolactam | 11.116 | 113 | 121616m | 22.590 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.469 | 107 | 425331 | 23.202 | ng/ul | 100 |

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**Instrument :**
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E20R9MS

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/07/2024
Supervised By :mohammad ahmed 08/07/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 11.827 | 142 | 884876 | 22.592 | ng/ul | 99 |
| 37) 1-Methylnaphthalene | 12.051 | 142 | 879475 | 22.181 | ng/ul | 100 |
| 39) 1,2,4,5-Tetrachloroben... | 12.210 | 216 | 483151 | 22.133 | ng/ul | 97 |
| 40) Hexachlorocyclopentadiene | 12.186 | 237 | 206773 | 14.380 | ng/ul | 99 |
| 41) 2,4,6-Trichlorophenol | 12.463 | 196 | 339546 | 23.764 | ng/ul | 97 |
| 42) 2,4,5-Trichlorophenol | 12.539 | 196 | 365982 | 23.724 | ng/ul | 99 |
| 43) 1,1'-Biphenyl | 12.874 | 154 | 1179360 | 22.648 | ng/ul | 97 |
| 44) 2-Chloronaphthalene | 12.910 | 162 | 938628 | 22.698 | ng/ul | 98 |
| 45) 2-Nitroaniline | 13.127 | 65 | 294095 | 23.403 | ng/ul | 99 |
| 47) Dimethylphthalate | 13.527 | 163 | 1213486 | 22.723 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 13.645 | 165 | 254701 | 24.534 | ng/ul# | 84 |
| 50) Acenaphthylene | 13.768 | 152 | 1449705 | 23.107 | ng/ul | 100 |
| 51) 3-Nitroaniline | 13.974 | 138 | 258344 | 24.435 | ng/ul | 94 |
| 52) Acenaphthene | 14.115 | 153 | 1008241 | 22.291 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.186 | 184 | 97442 | 13.303 | ng/ul | 92 |
| 55) 4-Nitrophenol | 14.310 | 109 | 187867 | 18.039 | ng/ul# | 82 |
| 56) Dibenzofuran | 14.457 | 168 | 1411335 | 22.233 | ng/ul | 95 |
| 57) 2,4-Dinitrotoluene | 14.439 | 165 | 370814 | 23.373 | ng/ul | 94 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.692 | 232 | 309516 | 22.569 | ng/ul# | 95 |
| 59) Diethylphthalate | 14.910 | 149 | 1245456 | 21.679 | ng/ul | 99 |
| 61) Fluorene | 15.110 | 166 | 1154167 | 22.043 | ng/ul | 98 |
| 62) 4-Chlorophenyl-phenyle... | 15.115 | 204 | 553800 | 21.485 | ng/ul | 96 |
| 63) 4-Nitroaniline | 15.145 | 138 | 268289m | 25.678 | ng/ul | |
| 66) 4,6-Dinitro-2-methylph... | 15.210 | 198 | 218277 | 21.744 | ng/ul# | 90 |
| 67) N-Nitrosodiphenylamine | 15.333 | 169 | 1011700 | 23.506 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.015 | 248 | 369231 | 23.493 | ng/ul | 92 |
| 69) Hexachlorobenzene | 16.115 | 284 | 428374 | 23.147 | ng/ul | 100 |
| 70) Atrazine | 16.309 | 200 | 346124 | 20.497 | ng/ul | 98 |
| 71) Pentachlorophenol | 16.468 | 266 | 261850 | 20.898 | ng/ul | 97 |
| 72) Phenanthrene | 16.856 | 178 | 1858623 | 22.834 | ng/ul | 100 |
| 74) Anthracene | 16.945 | 178 | 1835212 | 22.357 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 12.827 | 216 | 477925 | 22.876 | ng/uL | 96 |
| 76) Pentachlorobenzene | 14.374 | 250 | 470803 | 21.771 | ng/uL | 99 |
| 77) Carbazole | 17.227 | 167 | 1786105 | 23.471 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 17.815 | 149 | 2234708 | 23.093 | ng/ul | 98 |
| 80) Fluoranthene | 18.886 | 202 | 2140011 | 25.770 | ng/ul | 99 |
| 82) Pyrene | 19.250 | 202 | 2218454 | 25.072 | ng/ul | 97 |
| 83) Butylbenzylphthalate | 20.192 | 149 | 1017848 | 26.319 | ng/ul | 99 |
| 84) 3,3'-Dichlorobenzidine | 20.974 | 252 | 643433 | 21.623 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.033 | 228 | 2087553 | 23.548 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 20.991 | 149 | 1458172 | 25.827 | ng/ul | 99 |
| 87) Chrysene | 21.086 | 228 | 1935717 | 22.894 | ng/ul | 100 |
| 89) Di-n-octyl phthalate | 22.033 | 149 | 2516949 | 25.915 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 22.909 | 252 | 2062632 | 24.221 | ng/ul | 98 |
| 91) Benzo(k)fluoranthene | 22.968 | 252 | 2020269 | 24.007 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 23.632 | 252 | 1839658 | 23.188 | ng/ul | 98 |
| 94) Indeno(1,2,3-cd)pyrene | 26.768 | 276 | 2372174 | 23.337 | ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 26.826 | 278 | 1908678 | 23.377 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 27.703 | 276 | 1856618 | 23.118 | ng/ul | 97 |

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

08/07/2024
Supervised By :mohammad ahmed
08/07/2024

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**ClientSampleId :**
E20R9MS

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/07/2024
Supervised By :mohammad ahmed 08/07/2024

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