Quantitation Report (Qedit)

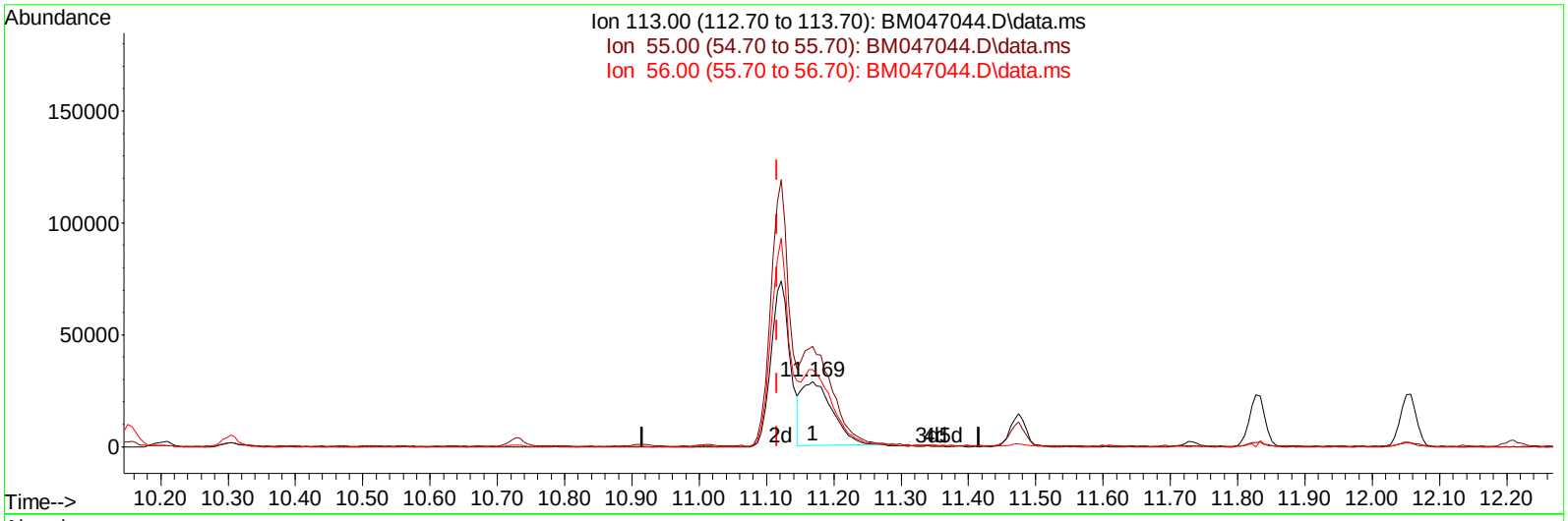
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080624\
Data File : BM047044.D
Acq On : 07 Aug 2024 06:02
Operator : RC/JU
Sample : P3328-22MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

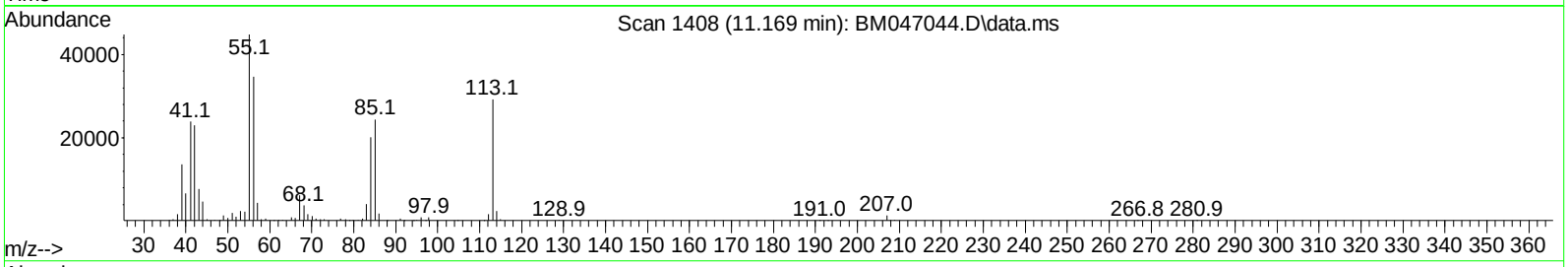
Quant Time: Aug 07 07:45:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM080224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 07 04:48:25 2024
Response via : Initial Calibration

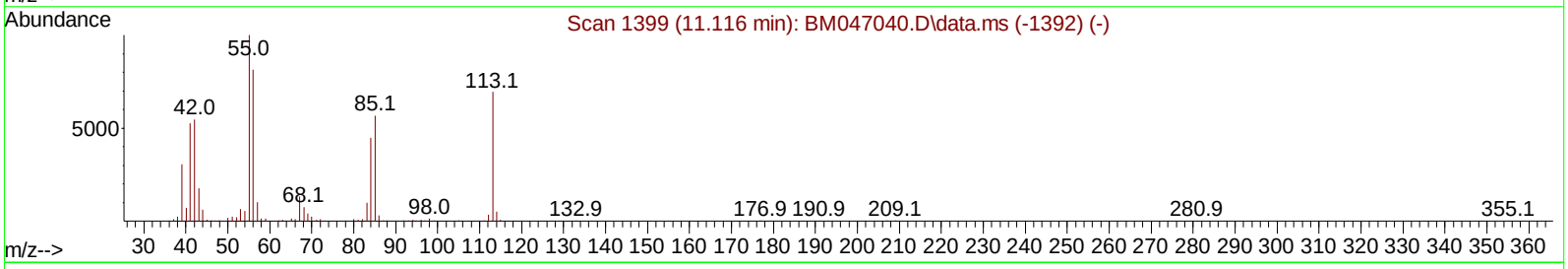
**Instrument :**
BNA_M
**ClientSampleId :**
E20N1MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/30/2024




TIC: BM047044.D\data.ms

**(34) Caprolactam**

**11.169min (+ 0.053) 12.30 ng/ul**

**response 91482**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 132.90 | 153.40 |
| 56.00 | 118.20 | 118.44 |
| 0.00 | 0.00 | 0.00 |

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**Instrument :**
BNA_M
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E20N1MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/08/2024
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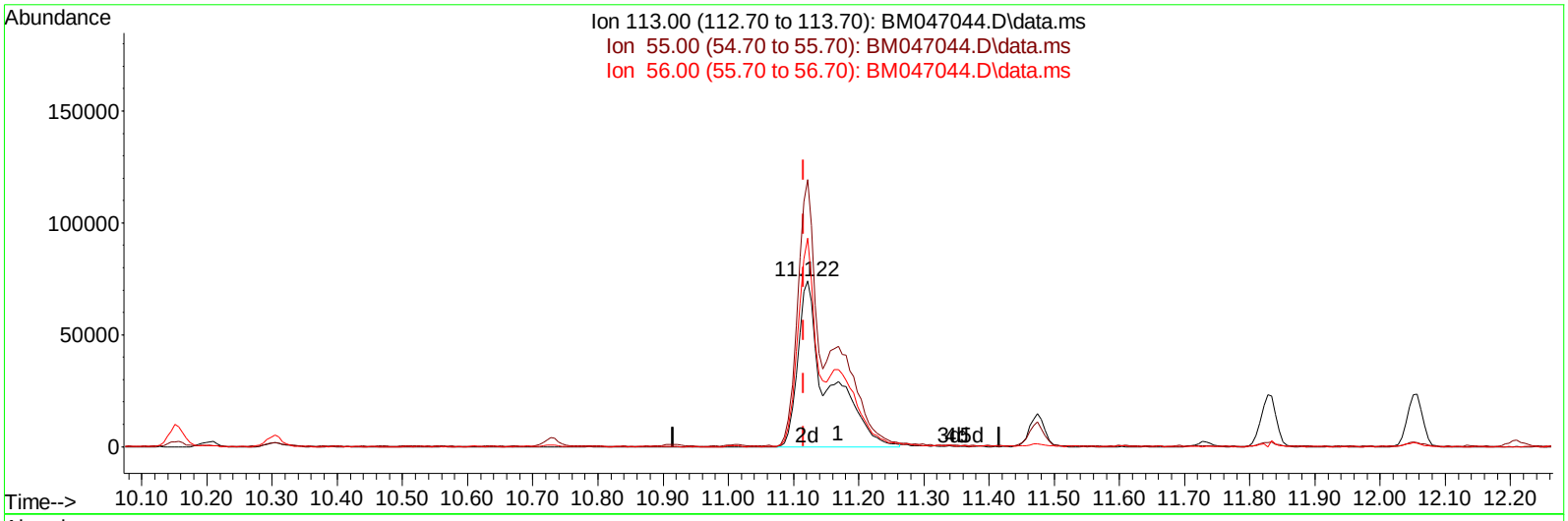


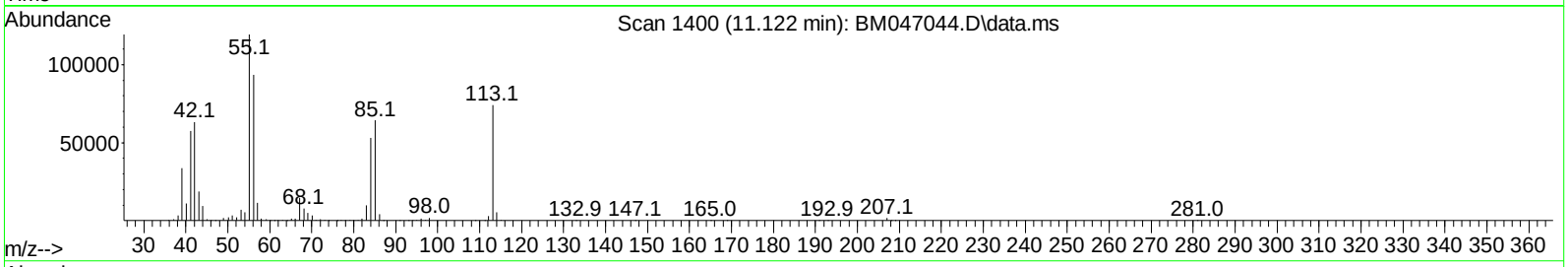


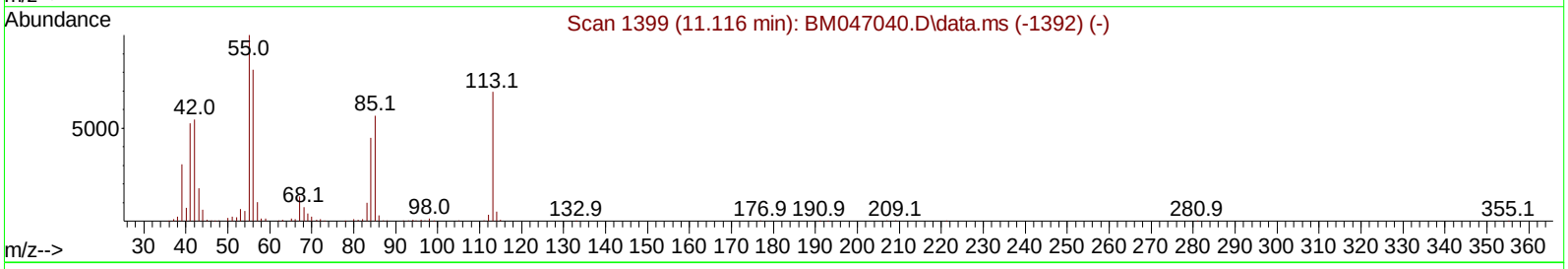


TIC: BM047044.D\data.ms

**(34) Caprolactam**

**11.122min (+ 0.006) 32.40 ng/ul m**

**response 240894**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 132.90 | 161.10# |
| 56.00 | 118.20 | 125.97 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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Misc :
ALS Vial : 20 Sample Multiplier: 1

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**Instrument :**
BNA_M
**ClientSampleId :**
E20N1MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/08/2024
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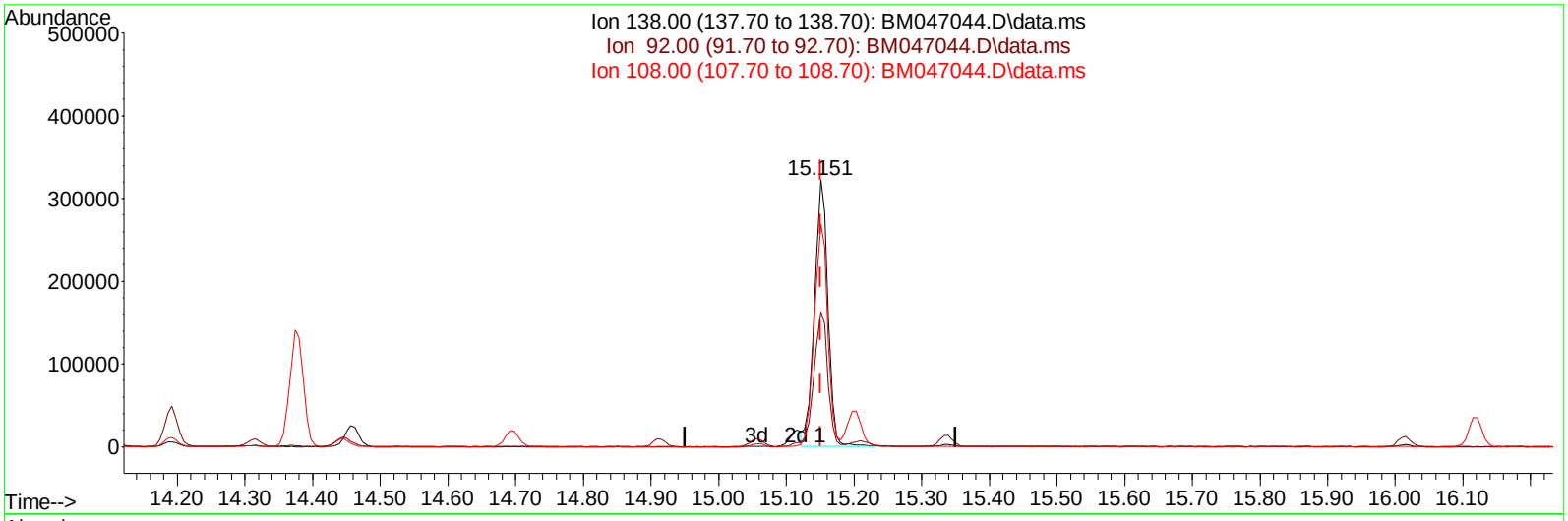


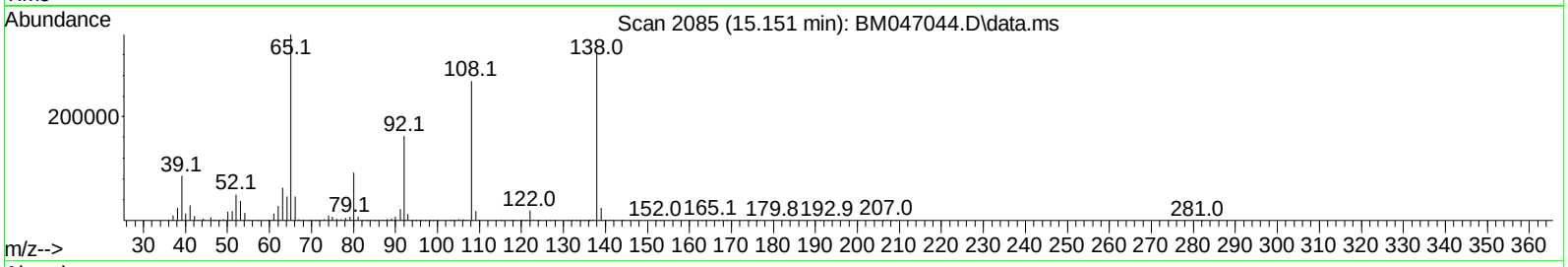


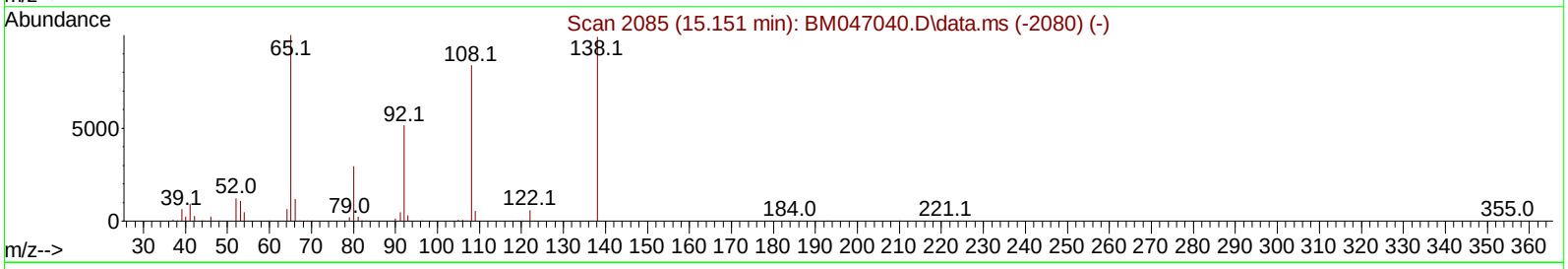


TIC: BM047044.D\data.ms

**(63) 4-Nitroaniline**

**15.151min (-0.000) 32.87 ng/ul**

**response 446433**

| Ion | Exp% | Act% |
|---|---|---|
| 138.00 | 100.00 | 100.00 |
| 92.00 | 59.60 | 50.50 |
| 108.00 | 109.10 | 83.36# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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QLast Update : Wed Aug 07 04:48:25 2024
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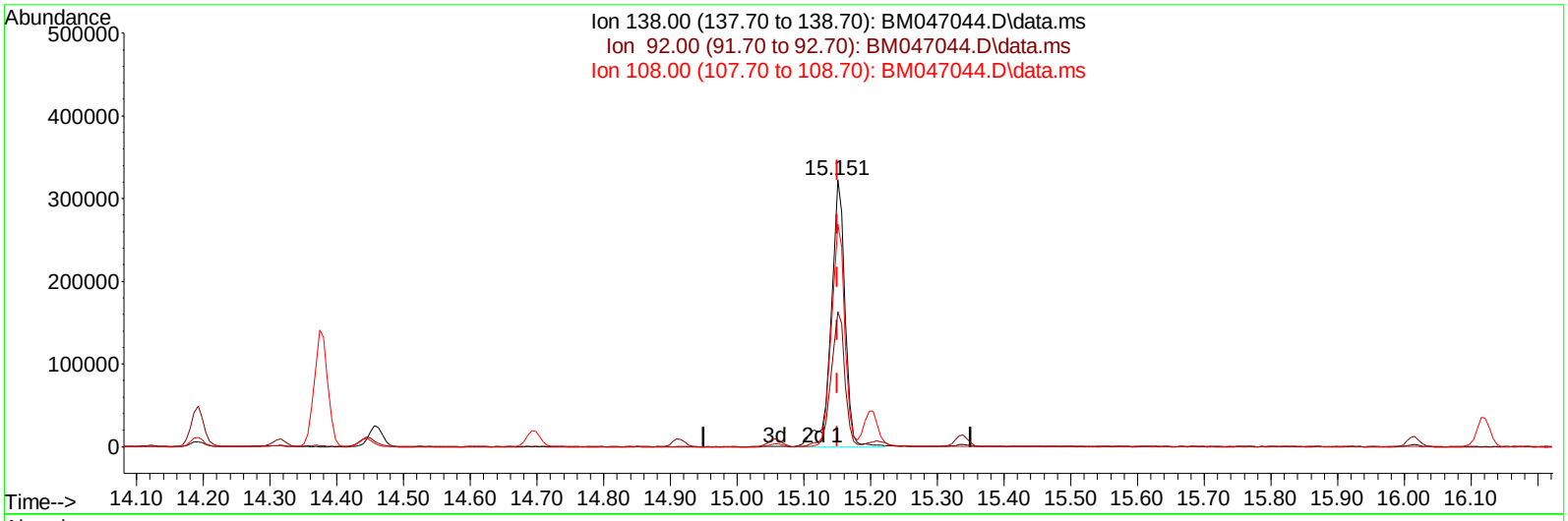
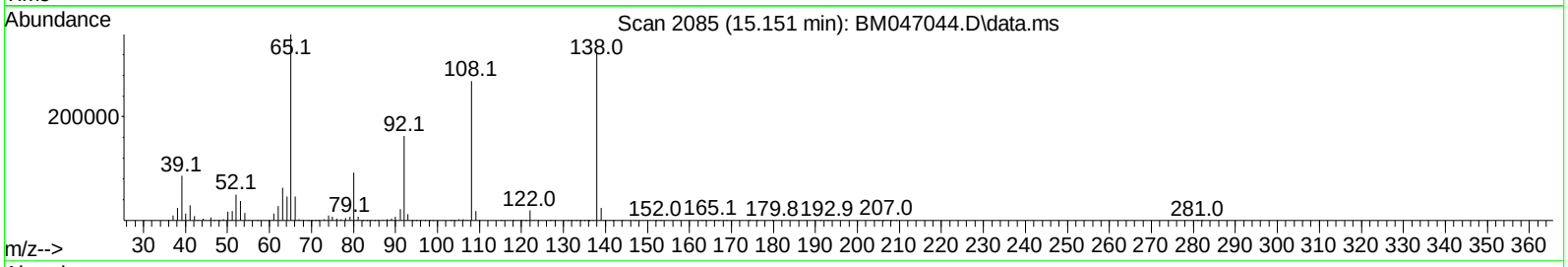
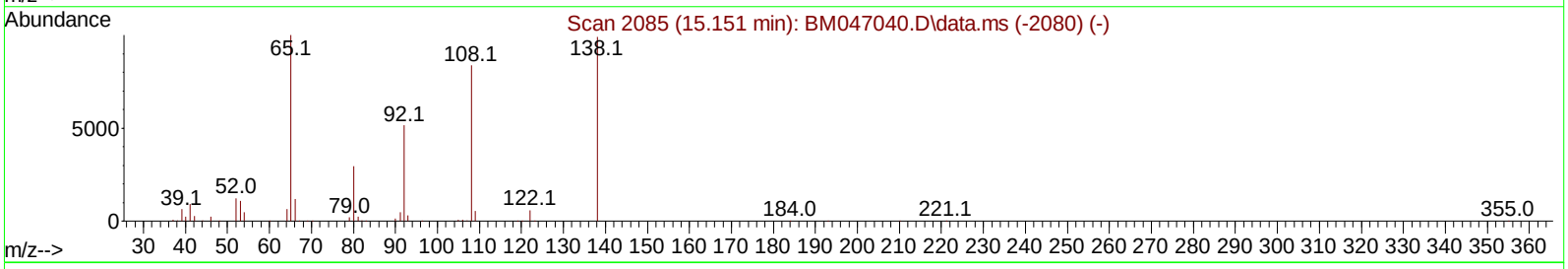
**Instrument :**
BNA_M
**ClientSampleId :**
E20N1MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/30/2024




TIC: BM047044.D\data.ms

**(63) 4-Nitroaniline**

**15.151min (-0.000) 34.80 ng/ul m**

**response 472610**

| Ion | Exp% | Act% |
|---|---|---|
| 138.00 | 100.00 | 100.00 |
| 92.00 | 59.60 | 50.50 |
| 108.00 | 109.10 | 83.36# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

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Sample : P3328-22MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 07 08:41:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM080224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 07 04:48:25 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
E20N1MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/30/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.398 | 152 | 377672 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.151 | 136 | 1463241 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.051 | 164 | 904756 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 16.815 | 188 | 1846505 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.050 | 240 | 1461703 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.756 | 264 | 1650725 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.016 | 96 | 35276 | 3.700 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.404 | 84 | 465428 | 17.899 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.604 | 99 | 740085 | 25.796 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 6.757 | 67 | 463213 | 24.538 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 6.939 | 132 | 602078 | 24.774 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.122 | 113 | 581904 | 25.603 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.545 | 128 | 310754 | 26.466 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.257 | 143 | 354993 | 27.685 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 9.792 | 165 | 659659 | 26.795 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.304 | 131 | 804898 | 24.877 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.480 | 166 | 1811518 | 26.186 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 13.739 | 160 | 2086704 | 27.023 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.298 | 143 | 337665 | 25.245 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.057 | 176 | 1507297 | 25.471 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.204 | 200 | 278140 | 23.842 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 16.909 | 188 | 2256708 | 25.780 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.227 | 212 | 2551077 | 30.488 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.574 | 264 | 2427186 | 27.924 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.051 | 88 | 92461 | 8.716 | ng/uL | 99 |
| 5) Pyridine | 3.422 | 79 | 644662 | 25.042 | ng/ul | 94 |
| 6) Benzaldehyde | 6.557 | 77 | 520062 | 31.559 | ng/ul | 98 |
| 8) Phenol | 6.634 | 94 | 882843 | 30.556 | ng/ul | 90 |
| 10) Bis(2-Chloroethyl)ether | 6.845 | 93 | 724168 | 29.406 | ng/ul | 97 |
| 12) 2-Chlorophenol | 6.969 | 128 | 716674 | 29.108 | ng/ul | 99 |
| 13) 2-Methylphenol | 7.857 | 108 | 662395 | 30.096 | ng/ul | 95 |
| 14) 2,2'-oxybis(1-Chloropr... | 7.922 | 45 | 938302 | 31.796 | ng/ul | 99 |
| 16) Acetophenone | 8.216 | 105 | 1039353 | 29.055 | ng/ul | 97 |
| 17) N-Nitroso-di-n-propyla... | 8.210 | 70 | 552923 | 29.311 | ng/ul | 96 |
| 18) 4-Methylphenol | 8.181 | 108 | 726283 | 30.541 | ng/ul | 95 |
| 19) Hexachloroethane | 8.451 | 117 | 316456 | 26.386 | ng/ul | 90 |
| 22) Nitrobenzene | 8.586 | 77 | 877073 | 27.959 | ng/ul | 93 |
| 23) Isophorone | 9.116 | 82 | 1608211 | 29.961 | ng/ul | 98 |
| 25) 2-Nitrophenol | 9.286 | 139 | 439020 | 31.298 | ng/ul# | 91 |
| 26) 2,4-Dimethylphenol | 9.369 | 107 | 614984 | 22.243 | ng/ul | 97 |
| 27) Bis(2-Chloroethoxy)met... | 9.598 | 93 | 993470 | 30.023 | ng/ul | 100 |
| 29) 2,4-Dichlorophenol | 9.816 | 162 | 746953 | 30.421 | ng/ul | 98 |
| 30) Naphthalene | 10.204 | 128 | 2232754 | 28.820 | ng/ul | 100 |
| 32) 4-Chloroaniline | 10.328 | 127 | 871391 | 27.734 | ng/ul | 100 |
| 33) Hexachlorobutadiene | 10.492 | 225 | 468276 | 26.435 | ng/ul | 100 |
| 34) Caprolactam | 11.122 | 113 | 240894m | 32.398 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.474 | 107 | 752133 | 29.707 | ng/ul | 96 |

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**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/08/2024
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| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 11.827 | 142 | 1586861 | 29.334 ng/ul | 99 |
| 37) 1-Methylnaphthalene | 12.051 | 142 | 1578712 | 28.829 ng/ul | 100 |
| 39) 1,2,4,5-Tetrachloroben... | 12.210 | 216 | 871862 | 30.727 ng/ul | 98 |
| 40) Hexachlorocyclopentadiene | 12.186 | 237 | 376521 | 20.144 ng/ul | 96 |
| 41) 2,4,6-Trichlorophenol | 12.469 | 196 | 616321 | 33.185 ng/ul | 97 |
| 42) 2,4,5-Trichlorophenol | 12.545 | 196 | 660056 | 32.916 ng/ul | 99 |
| 43) 1,1'-Biphenyl | 12.874 | 154 | 2077089 | 30.686 ng/ul | 97 |
| 44) 2-Chloronaphthalene | 12.910 | 162 | 1627863 | 30.285 ng/ul | 99 |
| 45) 2-Nitroaniline | 13.133 | 65 | 518970 | 31.771 ng/ul | 93 |
| 47) Dimethylphthalate | 13.533 | 163 | 2072892 | 29.862 ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 13.645 | 165 | 453078 | 33.575 ng/ul# | 85 |
| 50) Acenaphthylene | 13.768 | 152 | 2518896 | 30.887 ng/ul | 99 |
| 51) 3-Nitroaniline | 13.974 | 138 | 478267 | 34.801 ng/ul | 95 |
| 52) Acenaphthene | 14.116 | 153 | 1723031 | 29.306 ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.192 | 184 | 267734 | 28.119 ng/ul# | 86 |
| 55) 4-Nitrophenol | 14.315 | 109 | 327631 | 24.202 ng/ul# | 82 |
| 56) Dibenzofuran | 14.457 | 168 | 2390560 | 28.971 ng/ul | 93 |
| 57) 2,4-Dinitrotoluene | 14.445 | 165 | 637081 | 30.893 ng/ul | 93 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.698 | 232 | 537012 | 30.124 ng/ul# | 90 |
| 59) Diethylphthalate | 14.915 | 149 | 2070801 | 27.731 ng/ul | 97 |
| 61) Fluorene | 15.115 | 166 | 1947701 | 28.618 ng/ul | 98 |
| 62) 4-Chlorophenyl-phenyle... | 15.121 | 204 | 940996 | 28.086 ng/ul | 92 |
| 63) 4-Nitroaniline | 15.151 | 138 | 472610m | 34.799 ng/ul | |
| 66) 4,6-Dinitro-2-methylph... | 15.215 | 198 | 374305 | 29.322 ng/ul | 90 |
| 67) N-Nitrosodiphenylamine | 15.339 | 169 | 1673948 | 30.585 ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.015 | 248 | 614254 | 30.734 ng/ul | 90 |
| 69) Hexachlorobenzene | 16.121 | 284 | 715134 | 30.387 ng/ul | 96 |
| 70) Atrazine | 16.309 | 200 | 595719 | 27.742 ng/ul | 99 |
| 71) Pentachlorophenol | 16.474 | 266 | 476215 | 29.888 ng/ul | 98 |
| 72) Phenanthrene | 16.857 | 178 | 3079444 | 29.751 ng/ul | 100 |
| 74) Anthracene | 16.945 | 178 | 2998391 | 28.724 ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 12.833 | 216 | 868519 | 32.691 ng/uL | 96 |
| 76) Pentachlorobenzene | 14.380 | 250 | 807415 | 29.360 ng/uL | 99 |
| 77) Carbazole | 17.227 | 167 | 2899629 | 29.964 ng/ul | 99 |
| 78) Di-n-butylphthalate | 17.809 | 149 | 3574230 | 29.045 ng/ul | 98 |
| 80) Fluoranthene | 18.886 | 202 | 3540606 | 35.406 ng/ul | 99 |
| 82) Pyrene | 19.256 | 202 | 3629403 | 34.062 ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.192 | 149 | 1632907 | 35.062 ng/ul | 98 |
| 84) 3,3'-Dichlorobenzidine | 20.968 | 252 | 1068736 | 29.825 ng/ul | 97 |
| 85) Benzo(a)anthracene | 21.033 | 228 | 3339920 | 31.286 ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 20.992 | 149 | 2248233 | 33.068 ng/ul | 98 |
| 87) Chrysene | 21.092 | 228 | 3059086 | 30.045 ng/ul | 100 |
| 89) Di-n-octyl phthalate | 22.027 | 149 | 3937469 | 33.811 ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 22.909 | 252 | 3280055 | 32.123 ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 22.968 | 252 | 3190479 | 31.619 ng/ul | 99 |
| 93) Benzo(a)pyrene | 23.633 | 252 | 2868674 | 30.156 ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 26.768 | 276 | 3781125 | 31.023 ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 26.826 | 278 | 2998365 | 30.628 ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 27.709 | 276 | 2990967 | 31.060 ng/ul | 98 |

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

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