Quantitation Report (Qedit)

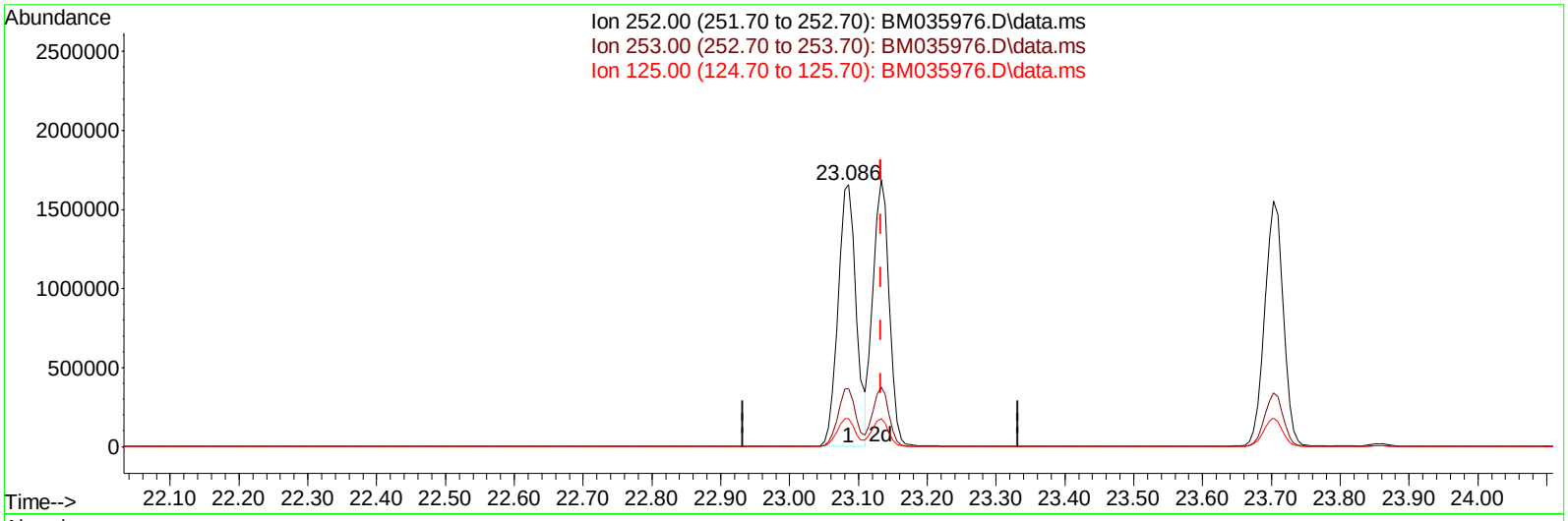
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072722\
Data File : BM035976.D
Acq On : 28 Jul 2022 07:07
Operator : CG/JU
Sample : PB146419BS
Misc :
ALS Vial : 32 Sample Multiplier: 1

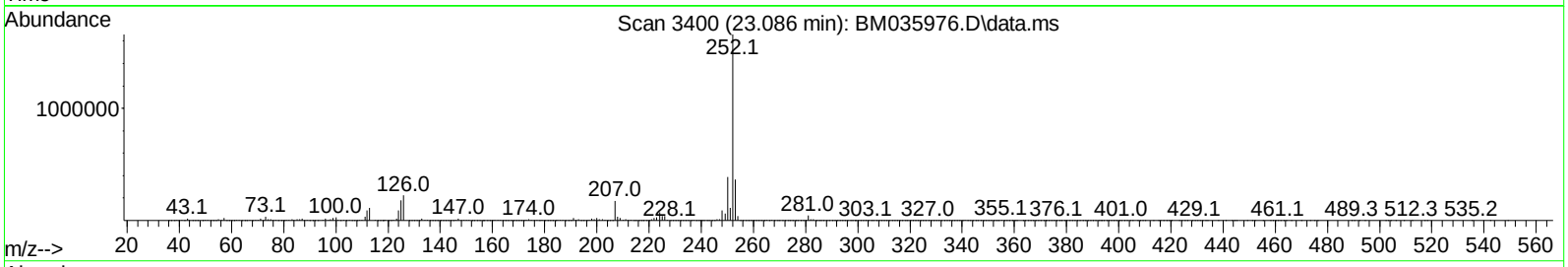
Quant Time: Jul 28 07:38:20 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM072522.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 27 23:55:50 2022
Response via : Initial Calibration

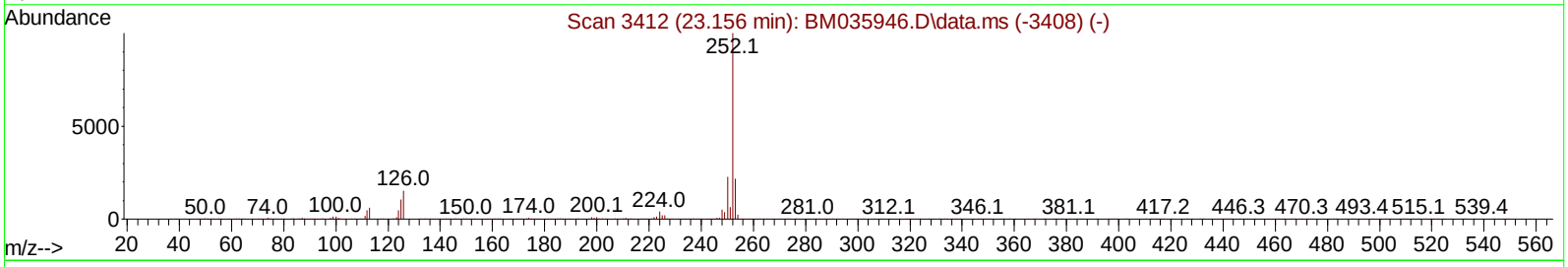
**Instrument :**
BNA_M
**ClientSampleId :**
SLCS419

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 07/28/2022
Supervised By :mohammad ahmed 07/29/2022




TIC: BM035976.D\data.ms

**(91) Benzo(k)fluoranthene**

**23.086min (-0.047) 38.68 ng/ul**

**response 3031634**

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.70 | 22.13 |
| 125.00 | 13.20 | 10.70 |
| 0.00 | 0.00 | 0.00 |

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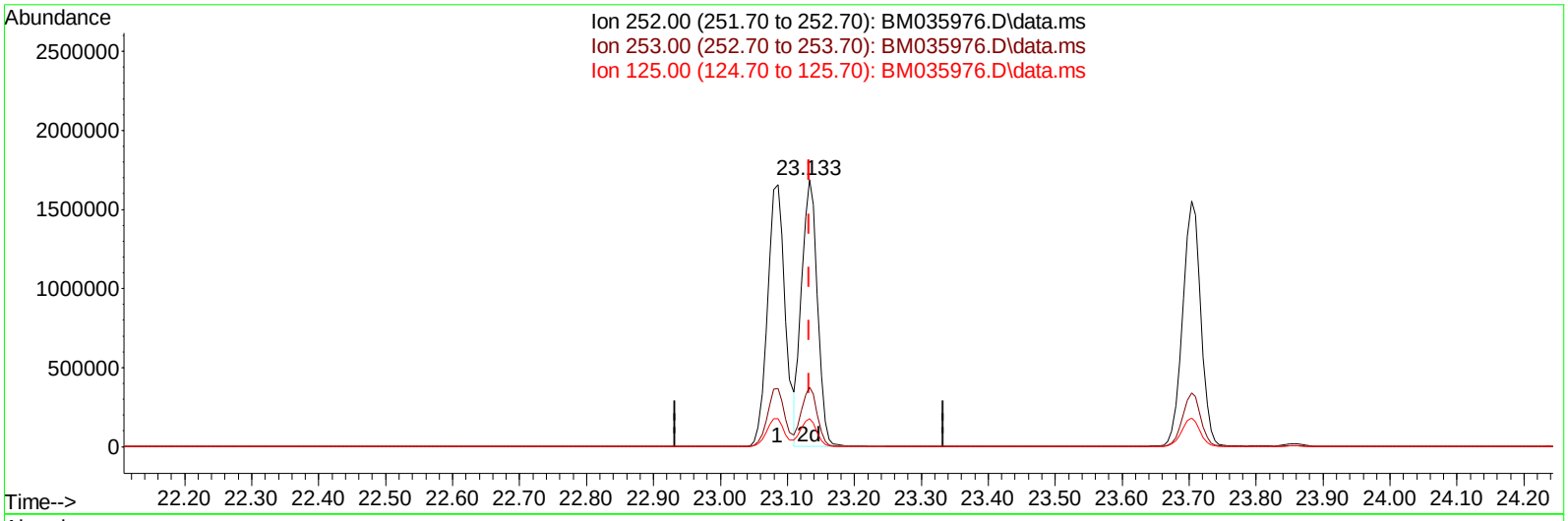


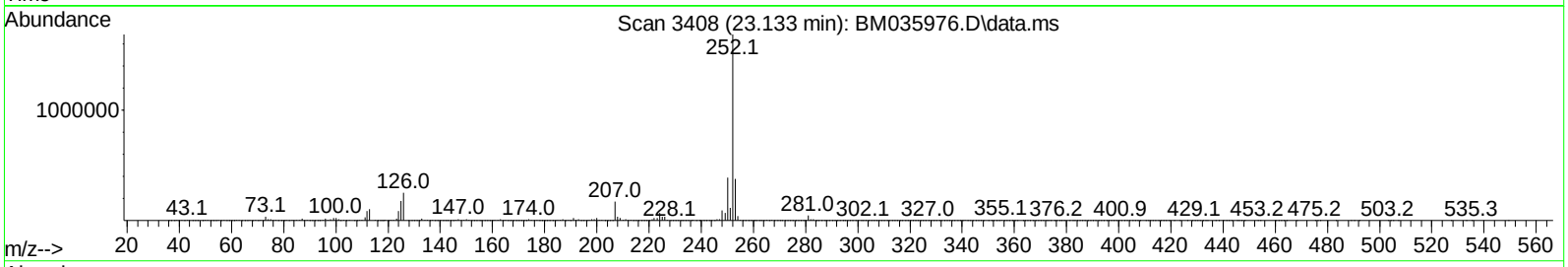


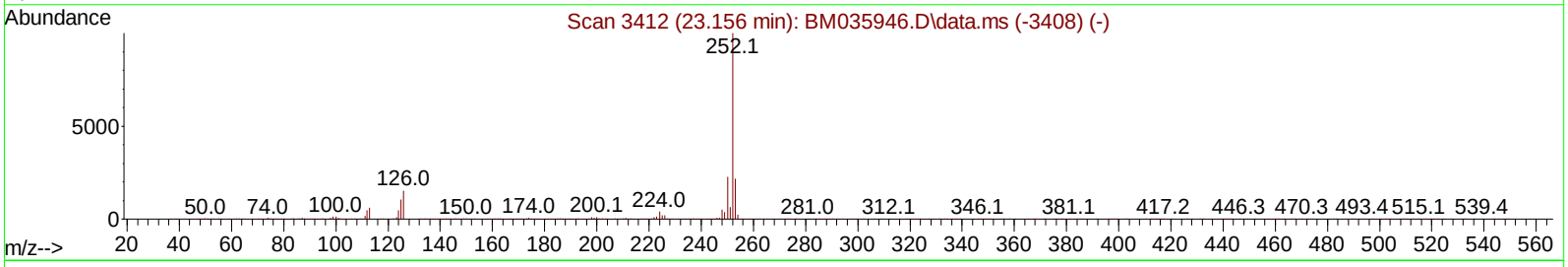


TIC: BM035976.D\data.ms

**(91) Benzo(k)fluoranthene**

**23.133min (+ 0.000) 35.58 ng/ul m**

**response 2789099**

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.70 | 22.24 |
| 125.00 | 13.20 | 10.43# |
| 0.00 | 0.00 | 0.00 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.881 | 152 | 258136 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.687 | 136 | 1073815 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.516 | 164 | 628680 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.257 | 188 | 1285068 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.433 | 240 | 1223043 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.803 | 264 | 1237711 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.269 | 96 | 45612 | 6.649 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.693 | 84 | 631490 | 33.602 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.046 | 99 | 774282 | 35.768 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.216 | 67 | 474883 | 32.907 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.410 | 132 | 670836 | 37.335 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.598 | 113 | 604975 | 34.497 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.051 | 128 | 322733 | 37.928 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.769 | 143 | 337432 | 40.703 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.310 | 165 | 591201 | 39.430 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.828 | 131 | 847250 | 33.379 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.933 | 166 | 1641318 | 38.327 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.210 | 160 | 2147084 | 39.296 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.722 | 143 | 329274 | 37.443 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.510 | 176 | 1463449 | 37.817 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.633 | 200 | 240439 | 34.808 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.357 | 188 | 2181008 | 37.540 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.645 | 212 | 2531432 | 37.346 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.656 | 264 | 2428603 | 38.649 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.305 | 88 | 91382 | 12.854 | ng/uL | 98 |
| 5) Pyridine | 3.716 | 79 | 655746 | 33.250 | ng/ul | 85 |
| 6) Benzaldehyde | 7.022 | 77 | 512081 | 56.363 | ng/ul | 95 |
| 8) Phenol | 7.075 | 94 | 796593 | 33.626 | ng/ul | 99 |
| 10) Bis(2-Chloroethyl)ether | 7.310 | 93 | 638388 | 33.520 | ng/ul | 95 |
| 12) 2-Chlorophenol | 7.446 | 128 | 668012 | 36.241 | ng/ul | 97 |
| 13) 2-Methylphenol | 8.328 | 108 | 600960 | 33.958 | ng/ul | 95 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.422 | 45 | 822325 | 32.712 | ng/ul | 96 |
| 16) Acetophenone | 8.710 | 105 | 935536 | 33.227 | ng/ul | 98 |
| 17) N-Nitroso-di-n-propyla... | 8.698 | 70 | 468072 | 33.336 | ng/ul | 93 |
| 18) 4-Methylphenol | 8.663 | 108 | 638422 | 33.627 | ng/ul | 100 |
| 19) Hexachloroethane | 8.963 | 117 | 277442 | 36.481 | ng/ul | 97 |
| 22) Nitrobenzene | 9.093 | 77 | 689043 | 35.387 | ng/ul | 97 |
| 23) Isophorone | 9.622 | 82 | 1300250 | 35.375 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.804 | 139 | 357756 | 38.898 | ng/ul | 95 |
| 26) 2,4-Dimethylphenol | 9.863 | 107 | 622118 | 33.103 | ng/ul | 97 |
| 27) Bis(2-Chloroethoxy)met... | 10.104 | 93 | 814002 | 35.114 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.334 | 162 | 580576 | 37.307 | ng/ul | 98 |
| 30) Naphthalene | 10.739 | 128 | 2043653 | 36.057 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.851 | 127 | 823815 | 32.673 | ng/ul | 98 |
| 33) Hexachlorobutadiene | 11.016 | 225 | 371491 | 38.668 | ng/ul | 99 |
| 34) Caprolactam | 11.634 | 113 | 186774 | 36.315 | ng/ul | 91 |
| 35) 4-Chloro-3-methylphenol | 11.981 | 107 | 602437 | 37.229 | ng/ul | 96 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.345 | 142 | 1339379 | 36.119 | ng/ul | 99 |
| 37) 1-Methylnaphthalene | 12.569 | 142 | 1344646 | 35.974 | ng/ul | 97 |
| 39) 1,2,4,5-Tetrachloroben... | 12.716 | 216 | 659005 | 36.825 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.686 | 237 | 329826 | 27.673 | ng/ul | 97 |
| 41) 2,4,6-Trichlorophenol | 12.957 | 196 | 445288 | 38.882 | ng/ul | 99 |
| 42) 2,4,5-Trichlorophenol | 13.028 | 196 | 482486 | 39.484 | ng/ul | 99 |
| 43) 1,1'-Biphenyl | 13.357 | 154 | 1734438 | 35.843 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.398 | 162 | 1353814 | 36.455 | ng/ul | 98 |
| 45) 2-Nitroaniline | 13.604 | 65 | 384855 | 37.590 | ng/ul | 99 |
| 47) Dimethylphthalate | 13.980 | 163 | 1601530 | 37.180 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.104 | 165 | 335373 | 39.215 | ng/ul | 97 |
| 50) Acenaphthylene | 14.239 | 152 | 2203261 | 36.452 | ng/ul | 100 |
| 51) 3-Nitroaniline | 14.427 | 138 | 391477 | 41.420 | ng/ul | 97 |
| 52) Acenaphthene | 14.580 | 153 | 1412075 | 36.011 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.633 | 184 | 155206 | 31.963 | ng/ul | 96 |
| 55) 4-Nitrophenol | 14.739 | 109 | 242756 | 36.093 | ng/ul | 84 |
| 56) Dibenzofuran | 14.916 | 168 | 1983856 | 36.565 | ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 14.886 | 165 | 472009 | 39.154 | ng/ul | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.139 | 232 | 385486 | 40.150 | ng/ul# | 94 |
| 59) Diethylphthalate | 15.345 | 149 | 1665678 | 38.229 | ng/ul | 99 |
| 61) Fluorene | 15.563 | 166 | 1610904 | 36.346 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.557 | 204 | 774356 | 36.465 | ng/ul | 98 |
| 63) 4-Nitroaniline | 15.592 | 138 | 408201 | 46.913 | ng/ul | 92 |
| 66) 4,6-Dinitro-2-methylph... | 15.645 | 198 | 230855 | 33.399 | ng/ul# | 97 |
| 67) N-Nitrosodiphenylamine | 15.774 | 169 | 1343263 | 35.555 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.451 | 248 | 473301 | 37.569 | ng/ul | 99 |
| 69) Hexachlorobenzene | 16.563 | 284 | 573505 | 37.362 | ng/ul | 98 |
| 70) Atrazine | 16.727 | 200 | 481114 | 36.716 | ng/ul | 99 |
| 71) Pentachlorophenol | 16.904 | 266 | 344169 | 36.701 | ng/ul | 98 |
| 72) Phenanthrene | 17.298 | 178 | 2509827 | 36.440 | ng/ul | 98 |
| 74) Anthracene | 17.392 | 178 | 2521797 | 36.488 | ng/ul | 98 |
| 75) 1,2,3,4-Tetrachloroben... | 13.322 | 216 | 668293 | 33.442 | ng/uL | 97 |
| 76) Pentachlorobenzene | 14.833 | 250 | 656741 | 36.254 | ng/uL | 99 |
| 77) Carbazole | 17.663 | 167 | 2350852 | 36.828 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.227 | 149 | 2960551 | 41.107 | ng/ul | 99 |
| 80) Fluoranthene | 19.310 | 202 | 2946623 | 36.384 | ng/ul | 99 |
| 82) Pyrene | 19.674 | 202 | 2990552 | 35.826 | ng/ul | 97 |
| 83) Butylbenzylphthalate | 20.574 | 149 | 1309297 | 43.126 | ng/ul | 97 |
| 84) 3,3'-Dichlorobenzidine | 21.356 | 252 | 973277 | 43.124 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.421 | 228 | 2896878 | 37.631 | ng/ul | 100 |
| 86) Bis(2-ethylhexyl)phtha... | 21.351 | 149 | 1928182 | 43.954 | ng/ul | 100 |
| 87) Chrysene | 21.474 | 228 | 2801447 | 37.298 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.268 | 149 | 3173509 | 39.704 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.086 | 252 | 3031634 | 36.702 | ng/ul# | 97 |
| 91) Benzo(k)fluoranthene | 23.133 | 252 | 2789099m | 35.582 | ng/ul | |
| 93) Benzo(a)pyrene | 23.703 | 252 | 2923807 | 37.162 | ng/ul# | 96 |
| 94) Indeno(1,2,3-cd)pyrene | 26.280 | 276 | 3396174 | 40.497 | ng/ul# | 93 |
| 95) Dibenzo(a,h)anthracene | 26.297 | 278 | 2909773 | 40.442 | ng/ul | 96 |
| 96) Benzo(g,h,i)perylene | 27.038 | 276 | 2909300 | 41.863 | ng/ul | 94 |

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

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