

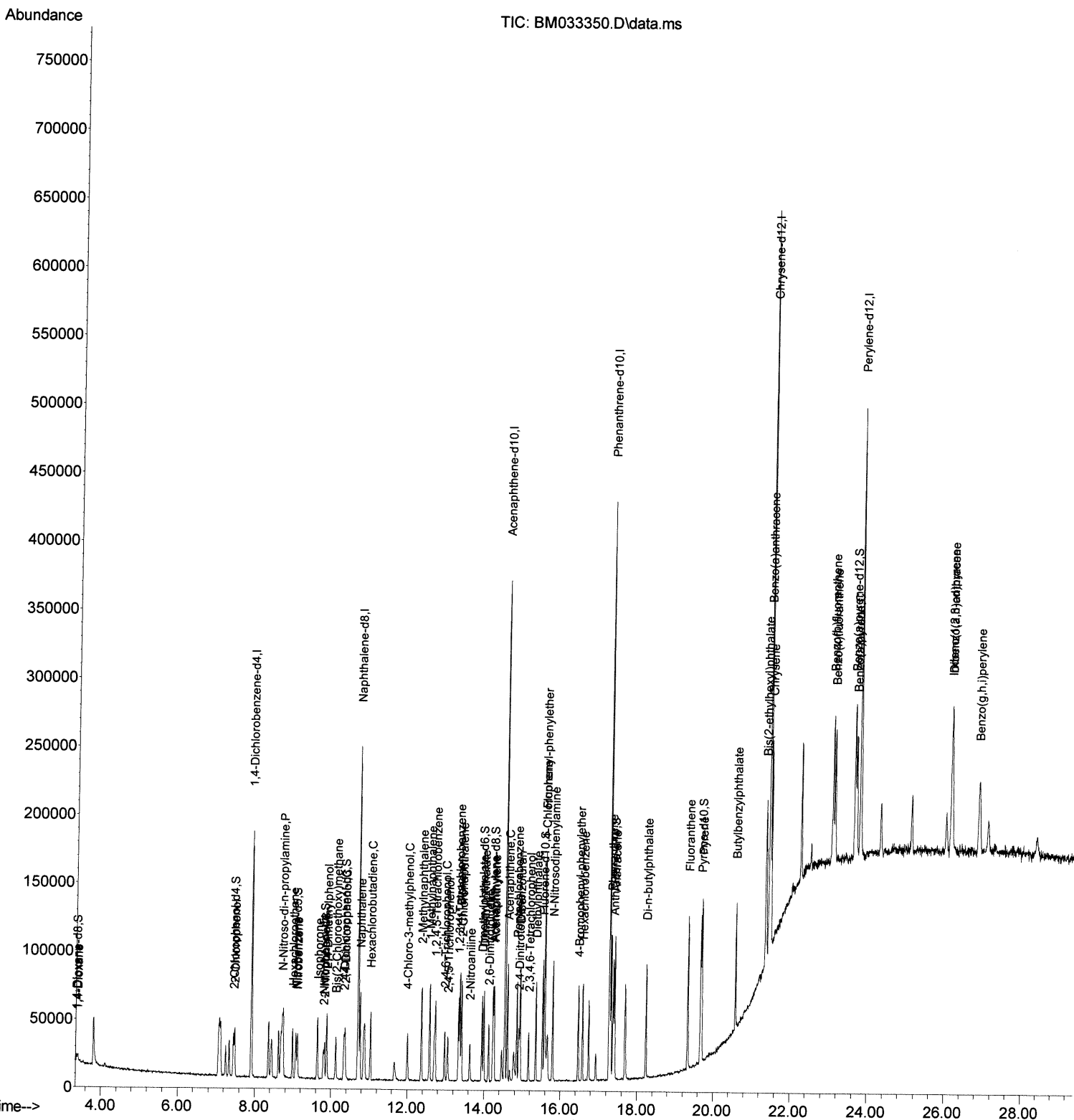
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120921\
 Data File : BM033350.D
 Acq On : 09 Dec 2021 09:41
 Operator : CG/JU
 Sample : SST00511
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SST005011

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/10/2021
 Supervised By :mohammad ahmed 12/15/2021

Quant Time: Dec 09 13:03:44 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM120921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 09 13:01:40 2021
 Response via : Initial Calibration



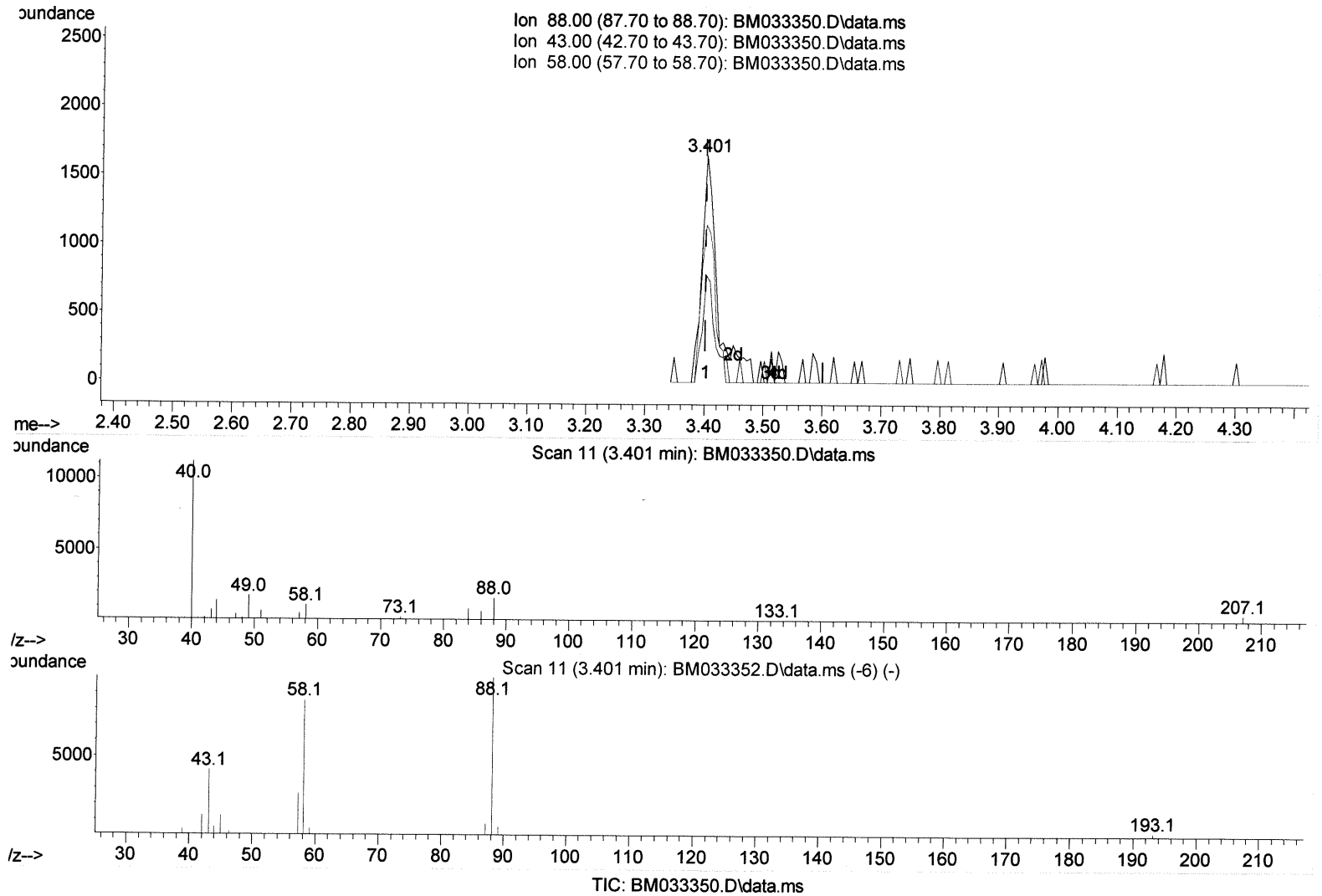
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(2) 1,4-Dioxane

3.401min (+ 0.000) 2.04 ng/uL

response 2406

| Ion | Exp% | Act% |
|-------|--------|--------|
| 88.00 | 100.00 | 100.00 |
| 43.00 | 45.30 | 47.09 |
| 58.00 | 85.60 | 69.37 |
| 0.00 | 0.00 | 0.00 |

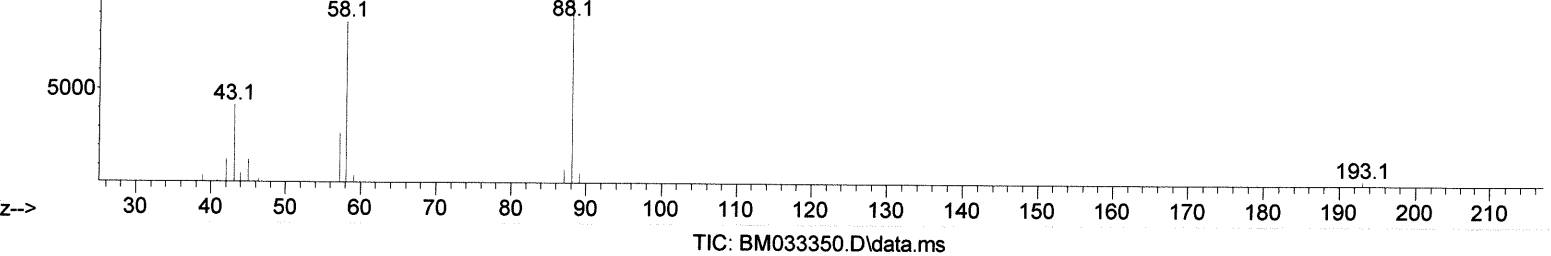
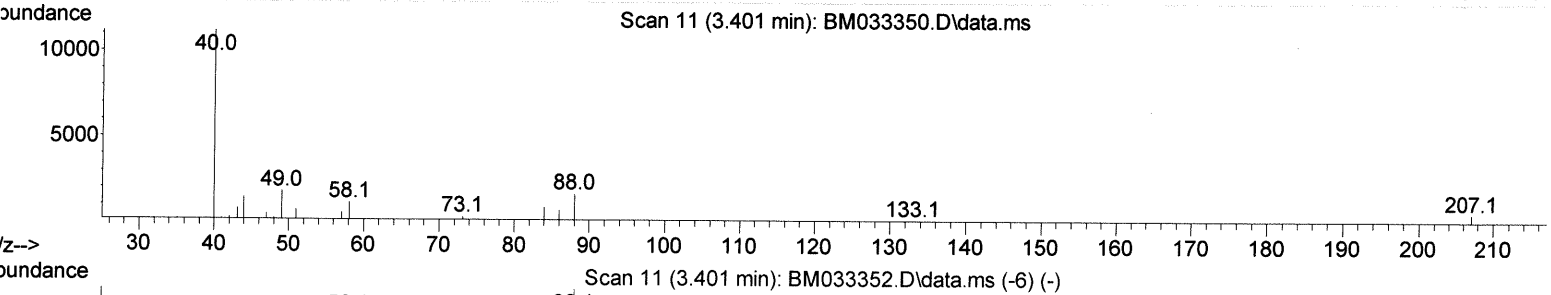
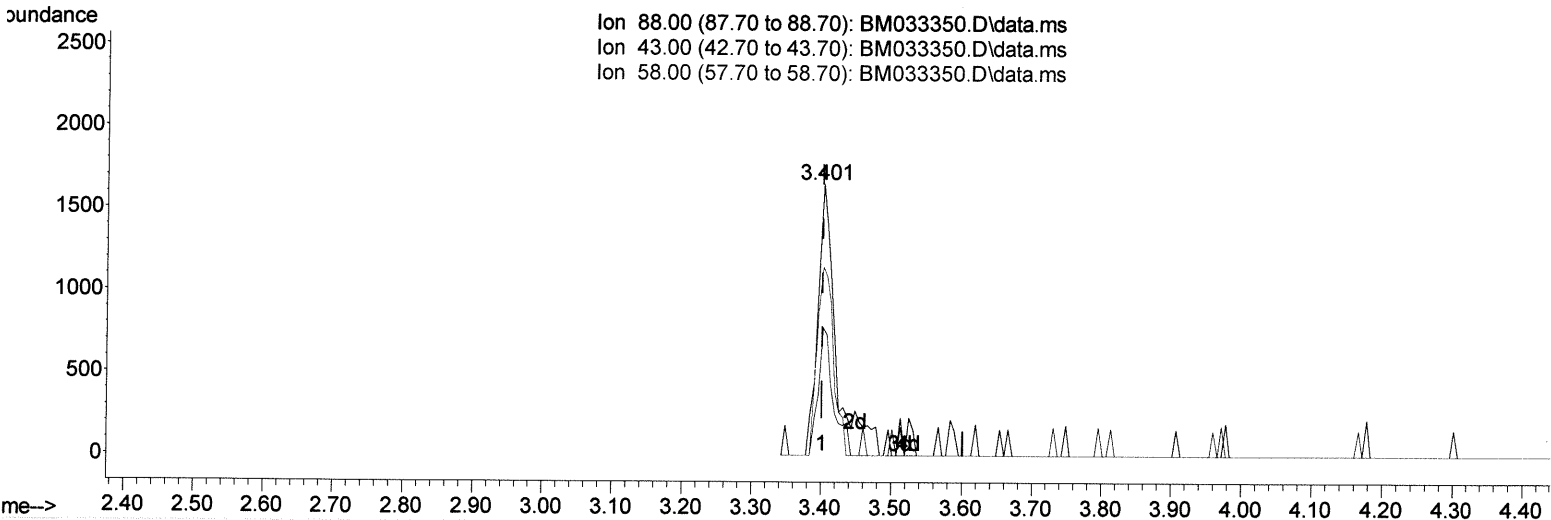
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(2) 1,4-Dioxane

3.401min (+ 0.000) 2.25 ng/uL m

| | | |
|----------|--------|--------|
| response | 2650 | |
| Ion | Exp% | Act% |
| 88.00 | 100.00 | 100.00 |
| 43.00 | 45.30 | 47.09 |
| 58.00 | 85.60 | 69.37 |
| 0.00 | 0.00 | 0.00 |

34 124 23/21

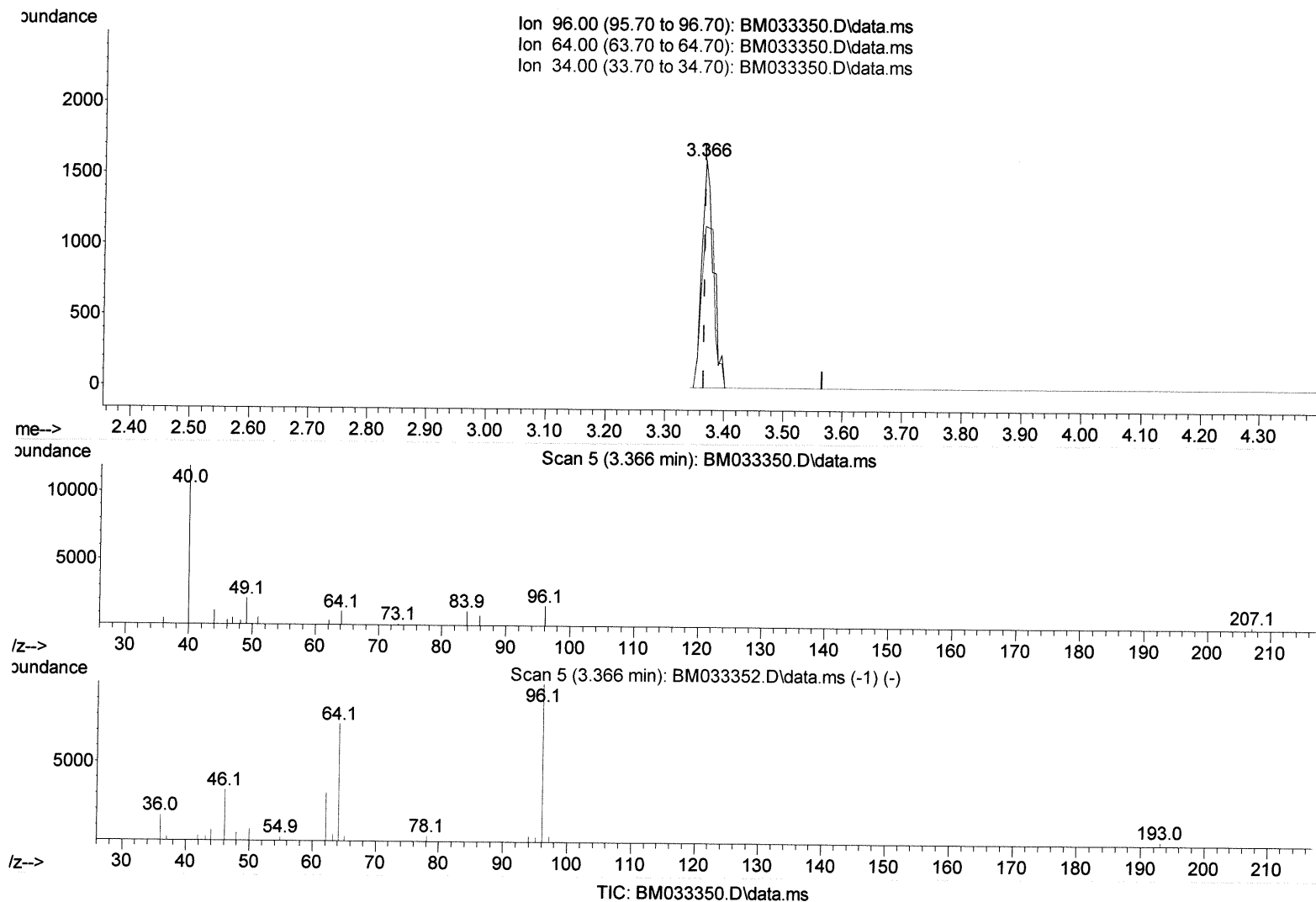
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 Misc :
 ALS Vial : 3 Sample Multiplier: 1

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(3) 1,4-Dioxane-d8 (S)

3.366min (0.000) 1.81 ng/uL

response 2102

| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 74.20 | 70.91 |
| 34.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

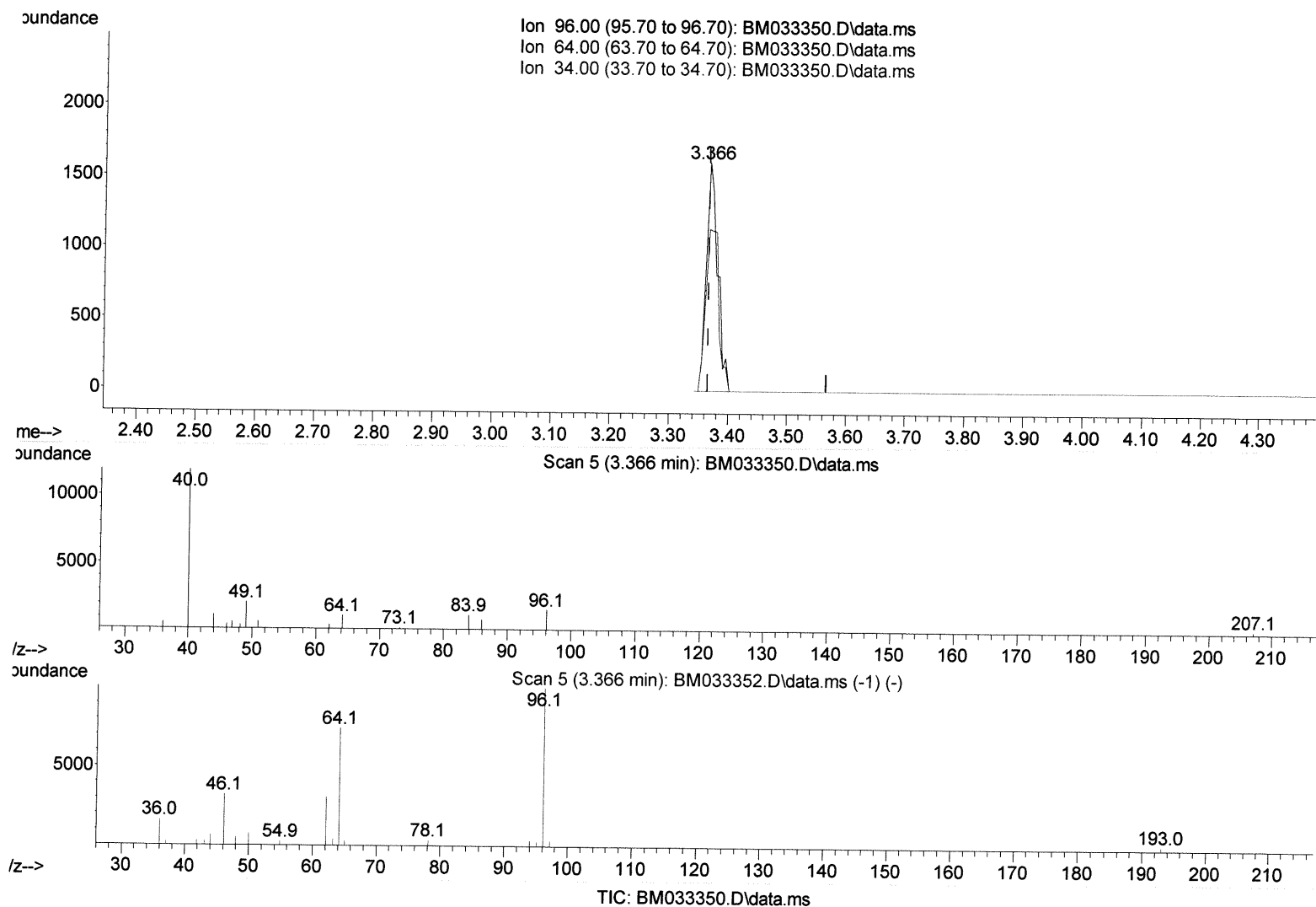
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Instrument :
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(3) 1,4-Dioxane-d8 (S)

3.366min (0.000) 1.88 ng/uL m

response 2179

| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 74.20 | 70.91 |
| 34.00 | 0.00 | 0.00 |
| 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 | 7.907 | 152 | 44772 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.707 | 136 | 181096 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.536 | 164 | 115636 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.271 | 188 | 240197 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.436 | 240 | 235477 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.753 | 264 | 236752 | 20.000 | ng/ul | 0.00 |

| | | | | | | |
|-------------------------------|--------|-----|-------|-------|-------|------|
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.366 | 96 | 2179m | 1.876 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 0.000 | 84 | 0d | 0.000 | ng/ul | 0.00 |
| 7) Phenol-d5 | 0.000 | 99 | 0d | 0.000 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 0.000 | 67 | 0d | 0.000 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.448 | 132 | 12066 | 4.207 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 0.000 | 113 | 0d | 0.000 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.072 | 128 | 6537 | 5.028 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.795 | 143 | 5780 | 4.439 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.336 | 165 | 10520 | 3.528 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 0.000 | 131 | 0d | 0.000 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.942 | 166 | 38122 | 4.495 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.230 | 160 | 44766 | 4.097 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 0.000 | 143 | 0d | 0.000 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.524 | 176 | 33929 | 4.459 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 0.000 | 200 | 0d | 0.000 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.371 | 188 | 50971 | 4.402 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.659 | 212 | 57270 | 4.116 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.606 | 264 | 53910 | 4.243 | ng/ul | 0.00 |

| | | | | | | |
|-------------------------------|--------|-----|-------|-------|--------|-----|
| Target Compounds | | | | | | |
| 2) 1,4-Dioxane | 3.401 | 88 | 2650m | 2.247 | ng/uL | 93 |
| 12) 2-Chlorophenol | 7.478 | 128 | 12550 | 4.239 | ng/ul | 91 |
| 17) N-Nitroso-di-n-propyla... | 8.713 | 70 | 12253 | 4.902 | ng/ul | 85 |
| 19) Hexachloroethane | 8.989 | 117 | 6715 | 4.979 | ng/ul# | 96 |
| 22) Nitrobenzene | 9.113 | 77 | 18385 | 5.067 | ng/ul | 99 |
| 23) Isophorone | 9.642 | 82 | 31081 | 4.686 | ng/ul | 97 |
| 25) 2-Nitrophenol | 9.825 | 139 | 5982 | 4.334 | ng/ul | 95 |
| 26) 2,4-Dimethylphenol | 9.883 | 107 | 16525 | 4.557 | ng/ul | 98 |
| 27) Bis(2-Chloroethoxy)met... | 10.119 | 93 | 17756 | 4.499 | ng/ul | 96 |
| 29) 2,4-Dichlorophenol | 10.360 | 162 | 11712 | 4.050 | ng/ul | 100 |
| 30) Naphthalene | 10.754 | 128 | 45325 | 4.707 | ng/ul | 97 |
| 33) Hexachlorobutadiene | 11.030 | 225 | 9498 | 4.217 | ng/ul | 94 |
| 35) 4-Chloro-3-methylphenol | 11.995 | 107 | 12837 | 4.077 | ng/ul | 96 |
| 36) 2-Methylnaphthalene | 12.366 | 142 | 29150 | 4.369 | ng/ul | 100 |
| 37) 1-Methylnaphthalene | 12.583 | 142 | 30901 | 4.537 | ng/ul | 98 |
| 39) 1,2,4,5-Tetrachloroben... | 12.724 | 216 | 16224 | 4.217 | ng/ul | 91 |
| 41) 2,4,6-Trichlorophenol | 12.977 | 196 | 7900 | 3.487 | ng/ul | 89 |
| 42) 2,4,5-Trichlorophenol | 13.054 | 196 | 8691 | 3.577 | ng/ul | 99 |
| 43) 1,1'-Biphenyl | 13.371 | 154 | 40206 | 4.463 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.413 | 162 | 30914 | 4.449 | ng/ul | 95 |
| 45) 2-Nitroaniline | 13.630 | 65 | 8850 | 4.832 | ng/ul | 98 |
| 47) Dimethylphthalate | 13.989 | 163 | 38587 | 4.668 | ng/ul | 82 |
| 48) 2,6-Dinitrotoluene | 14.118 | 165 | 6488 | 4.587 | ng/ul# | |

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|-------------------------------|--------|------|----------|-------|--------|----------|
| 50) Acenaphthylene | 14.260 | 152 | 47841 | 4.315 | ng/ul | 96 |
| 52) Acenaphthene | 14.601 | 153 | 33128 | 4.580 | ng/ul | 97 |
| 56) Dibenzofuran | 14.930 | 168 | 48006 | 4.528 | ng/ul | 100 |
| 57) 2,4-Dinitrotoluene | 14.907 | 165 | 8760 | 4.503 | ng/ul# | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.165 | 232 | 7061 | 3.561 | ng/ul# | 90 |
| 59) Diethylphthalate | 15.348 | 149 | 37635 | 4.545 | ng/ul | 97 |
| 61) Fluorene | 15.577 | 166 | 38328 | 4.548 | ng/ul | 98 |
| 62) 4-Chlorophenyl-phenyle... | 15.571 | 204 | 20263 | 4.607 | ng/ul | 89 |
| 67) N-Nitrosodiphenylamine | 15.789 | 169 | 30729 | 4.350 | ng/ul | 92 |
| 68) 4-Bromophenyl-phenylether | 16.471 | 248 | 10729 | 4.017 | ng/ul | 90 |
| 69) Hexachlorobenzene | 16.577 | 284 | 12908 | 4.218 | ng/ul | 99 |
| 72) Phenanthrene | 17.312 | 178 | 62848 | 4.724 | ng/ul | 98 |
| 74) Anthracene | 17.406 | 178 | 61732 | 4.627 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.336 | 216 | 17181 | 4.355 | ng/ul# | 86 |
| 76) Pentachlorobenzene | 14.848 | 250 | 16180 | 4.183 | ng/ul | 97 |
| 78) Di-n-butylphthalate | 18.230 | 149 | 55563 | 4.287 | ng/ul | 98 |
| 80) Fluoranthene | 19.324 | 202 | 68760 | 4.218 | ng/ul | 96 |
| 82) Pyrene | 19.683 | 202 | 73128 | 4.418 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.571 | 149 | 23347 | 4.128 | ng/ul | 98 |
| 85) Benzo(a)anthracene | 21.418 | 228 | 68525 | 4.499 | ng/ul | 98 |
| 86) Bis(2-ethylhexyl)phtha... | 21.336 | 149 | 34106 | 4.255 | ng/ul# | 98 |
| 87) Chrysene | 21.471 | 228 | 70069 | 4.711 | ng/ul | 98 |
| 90) Benzo(b)fluoranthene | 23.053 | 252 | 71175 | 4.464 | ng/ul | 98 |
| 91) Benzo(k)fluoranthene | 23.100 | 252 | 66894 | 4.580 | ng/ul | 97 |
| 93) Benzo(a)pyrene | 23.653 | 252 | 68418 | 4.540 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 26.129 | 276 | 76573 | 4.563 | ng/ul | 100 |
| 95) Dibenzo(a,h)anthracene | 26.141 | 278 | 66274 | 4.616 | ng/ul | 100 |
| 96) Benzo(g,h,i)perylene | 26.859 | 276 | 65301 | 4.483 | ng/ul | 96 |

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