Quantitation Report (Qedit)

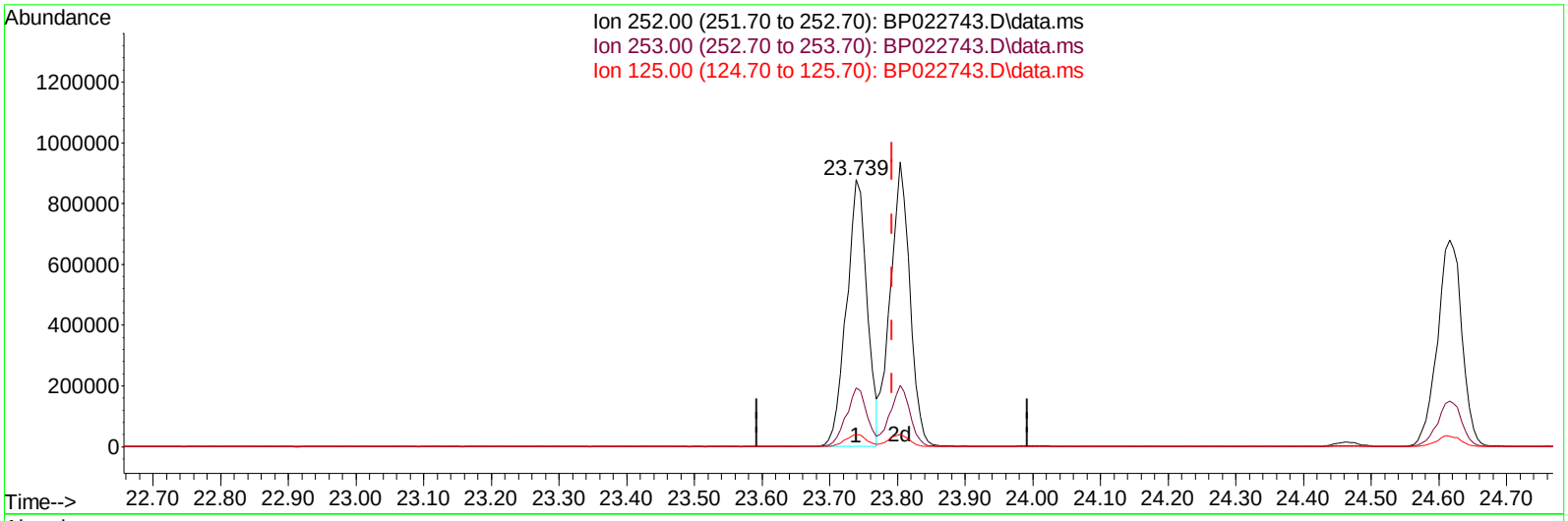
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103024\
Data File : BP022743.D
Acq On : 30 Oct 2024 19:51
Operator : RC/JU
Sample : P4493-02MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

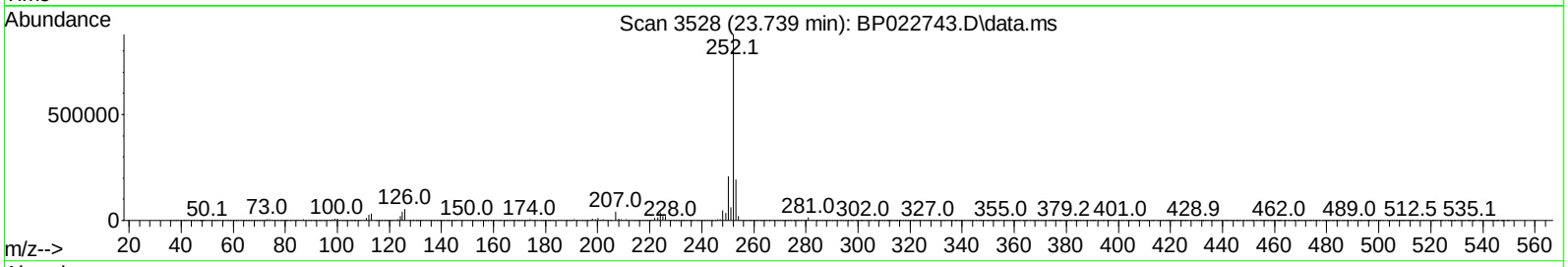
Quant Time: Oct 31 12:36:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 30 10:56:39 2024
Response via : Initial Calibration

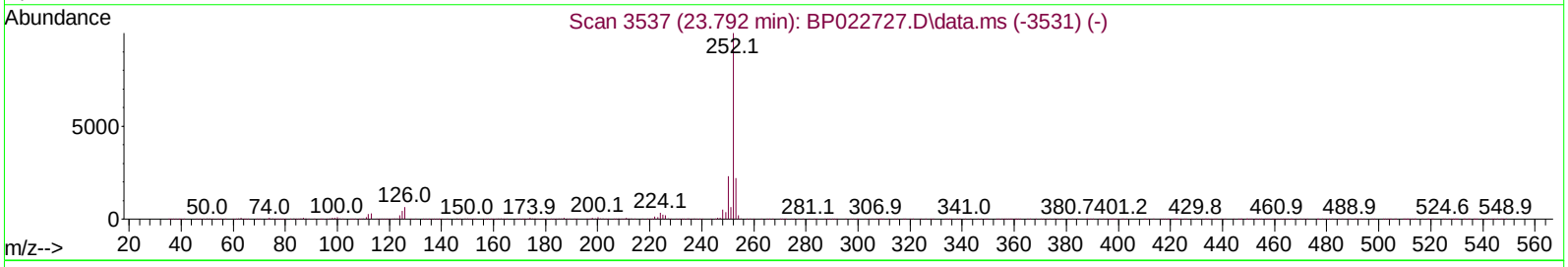
**Instrument :**
BNA_P
**ClientSampleId :**
A4F31MS

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/05/2024




TIC: BP022743.D\data.ms

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

**23.739min (-0.053) 37.42 ng/ul**

**response 1862290**

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.70 | 21.96 |
| 125.00 | 5.70 | 4.73 |
| 0.00 | 0.00 | 0.00 |

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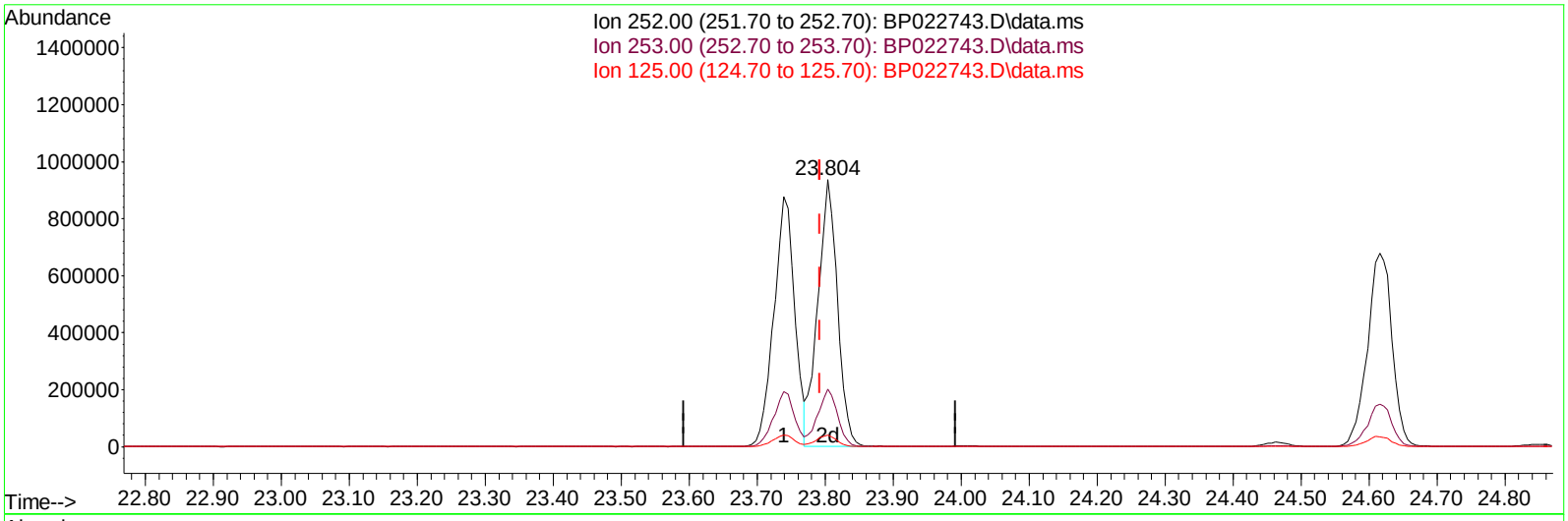


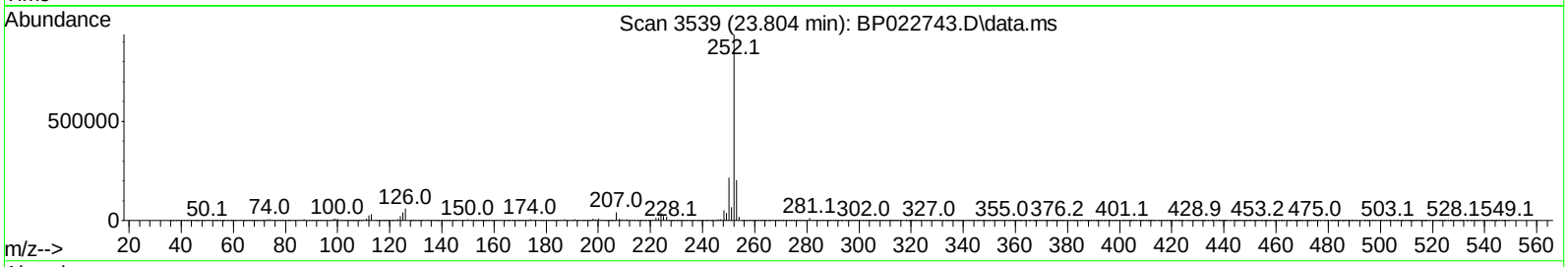


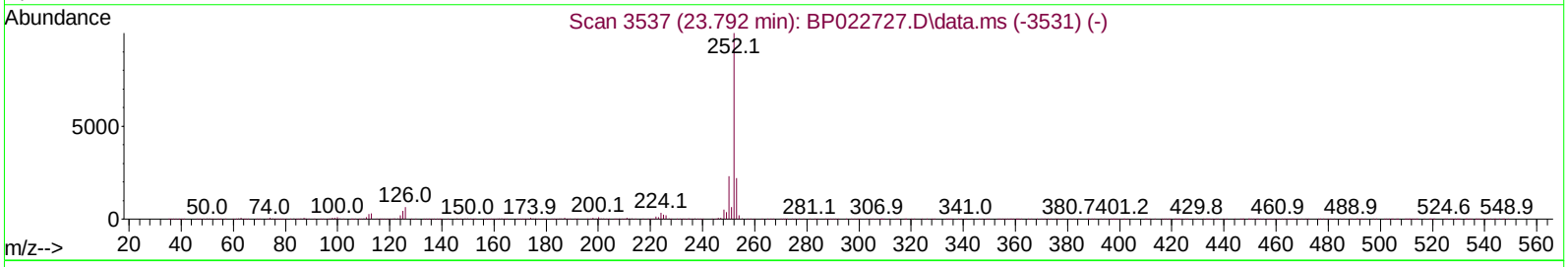


TIC: BP022743.D\data.ms

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

**23.804min (+ 0.012) 37.88 ng/ul m**

**response 1885309**

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.70 | 21.69 |
| 125.00 | 5.70 | 4.44# |
| 0.00 | 0.00 | 0.00 |

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 30 10:56:39 2024
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
A4F31MS

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/05/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.634 | 152 | 89673 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.393 | 136 | 350022 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.257 | 164 | 277354 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.063 | 188 | 674722 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.510 | 240 | 679418 | 20.000 | ng/ul | 0.01 |
| 88) Perylene-d12 | 24.768 | 264 | 807526 | 20.000 | ng/ul | 0.02 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.181 | 96 | 8597 | 3.726 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.587 | 84 | 119685 | 18.893 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.834 | 99 | 186290 | 24.679 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 6.981 | 67 | 105304 | 23.736 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.181 | 132 | 142250 | 26.558 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.346 | 113 | 155027 | 25.735 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.781 | 128 | 69286 | 25.744 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.493 | 143 | 86776 | 27.850 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.034 | 165 | 187754 | 28.351 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.534 | 131 | 171346 | 21.897 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.669 | 166 | 570277 | 25.879 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 13.951 | 160 | 611175 | 26.113 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.498 | 143 | 81216 | 21.969 | ng/ul | -0.01 |
| 60) Fluorene-d10 | 15.275 | 176 | 500925 | 26.208 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.416 | 200 | 90712 | 20.442 | ng/ul | 0.01 |
| 73) Anthracene-d10 | 17.169 | 188 | 840074 | 26.467 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.545 | 212 | 1046344 | 29.123 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.545 | 264 | 1187978 | 27.547 | ng/ul | 0.02 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.211 | 88 | 26569 | 10.708 | ng/uL | 92 |
| 5) Pyridine | 3.605 | 79 | 196908 | 30.315 | ng/ul | 96 |
| 6) Benzaldehyde | 6.799 | 77 | 23661 | 5.800 | ng/ul | 92 |
| 8) Phenol | 6.858 | 94 | 284979 | 36.287 | ng/ul | 98 |
| 10) Bis(2-Chloroethyl)ether | 7.069 | 93 | 200949 | 34.189 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.211 | 128 | 206330 | 37.253 | ng/ul | 95 |
| 13) 2-Methylphenol | 8.081 | 108 | 207758 | 36.452 | ng/ul | 99 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.146 | 45 | 225091 | 32.952 | ng/ul | 98 |
| 16) Acetophenone | 8.446 | 105 | 341092 | 34.297 | ng/ul | 97 |
| 17) N-Nitroso-di-n-propyla... | 8.434 | 70 | 171182 | 33.974 | ng/ul | 97 |
| 18) 4-Methylphenol | 8.411 | 108 | 226411 | 35.809 | ng/ul | 96 |
| 19) Hexachloroethane | 8.693 | 117 | 91716 | 35.556 | ng/ul | 98 |
| 22) Nitrobenzene | 8.822 | 77 | 275279 | 34.266 | ng/ul | 99 |
| 23) Isophorone | 9.346 | 82 | 485910 | 33.735 | ng/ul | 98 |
| 25) 2-Nitrophenol | 9.522 | 139 | 126842 | 37.773 | ng/ul | 96 |
| 26) 2,4-Dimethylphenol | 9.587 | 107 | 257951 | 35.341 | ng/ul | 97 |
| 27) Bis(2-Chloroethoxy)met... | 9.810 | 93 | 273558 | 33.449 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.057 | 162 | 251195 | 38.518 | ng/ul | 99 |
| 30) Naphthalene | 10.446 | 128 | 670113 | 35.944 | ng/ul | 98 |
| 32) 4-Chloroaniline | 10.557 | 127 | 189791 | 24.571 | ng/ul | 96 |
| 33) Hexachlorobutadiene | 10.722 | 225 | 202908 | 36.916 | ng/ul | 98 |
| 34) Caprolactam | 11.352 | 113 | 71514 | 34.014 | ng/ul | 90 |
| 35) 4-Chloro-3-methylphenol | 11.699 | 107 | 269513 | 37.878 | ng/ul | 98 |

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BNA_P
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**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/05/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.057 | 142 | 502764 | 36.738 | ng/ul | 97 |
| 37) 1-Methylnaphthalene | 12.275 | 142 | 494102 | 35.374 | ng/ul | 98 |
| 39) 1,2,4,5-Tetrachloroben... | 12.434 | 216 | 377757 | 36.835 | ng/ul | 96 |
| 40) Hexachlorocyclopentadiene | 12.404 | 237 | 94490 | 15.123 | ng/ul | 97 |
| 41) 2,4,6-Trichlorophenol | 12.687 | 196 | 241618 | 37.455 | ng/ul | 98 |
| 42) 2,4,5-Trichlorophenol | 12.763 | 196 | 269475 | 39.232 | ng/ul | 99 |
| 43) 1,1'-Biphenyl | 13.081 | 154 | 714748 | 35.753 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.122 | 162 | 593216 | 36.248 | ng/ul | 100 |
| 45) 2-Nitroaniline | 13.340 | 65 | 171356 | 35.066 | ng/ul | 93 |
| 47) Dimethylphthalate | 13.716 | 163 | 750688 | 34.187 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 13.846 | 165 | 159725 | 38.457 | ng/ul | 91 |
| 50) Acenaphthylene | 13.975 | 152 | 851289 | 35.046 | ng/ul | 98 |
| 51) 3-Nitroaniline | 14.181 | 138 | 136572 | 35.010 | ng/ul | 97 |
| 52) Acenaphthene | 14.322 | 153 | 606632 | 35.317 | ng/ul | 98 |
| 53) 2,4-Dinitrophenol | 14.404 | 184 | 79370 | 25.973 | ng/ul | 93 |
| 55) 4-Nitrophenol | 14.516 | 109 | 145077 | 35.358 | ng/ul | 95 |
| 56) Dibenzofuran | 14.663 | 168 | 908025 | 35.192 | ng/ul | 100 |
| 57) 2,4-Dinitrotoluene | 14.645 | 165 | 239578 | 37.121 | ng/ul | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.910 | 232 | 244070 | 38.069 | ng/ul | 96 |
| 59) Diethylphthalate | 15.104 | 149 | 739303 | 35.094 | ng/ul | 99 |
| 61) Fluorene | 15.328 | 166 | 751670 | 35.754 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.310 | 204 | 424959 | 35.348 | ng/ul | 95 |
| 63) 4-Nitroaniline | 15.357 | 138 | 149698 | 38.137 | ng/ul | 93 |
| 66) 4,6-Dinitro-2-methylph... | 15.434 | 198 | 136555 | 28.569 | ng/ul | 98 |
| 67) N-Nitrosodiphenylamine | 15.551 | 169 | 645461 | 35.723 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.240 | 248 | 306158 | 37.627 | ng/ul | 97 |
| 69) Hexachlorobenzene | 16.351 | 284 | 379446 | 37.886 | ng/ul | 98 |
| 70) Atrazine | 16.534 | 200 | 279123 | 37.164 | ng/ul | 96 |
| 71) Pentachlorophenol | 16.716 | 266 | 235073 | 36.504 | ng/ul | 98 |
| 72) Phenanthrene | 17.110 | 178 | 1299259 | 35.992 | ng/ul | 99 |
| 74) Anthracene | 17.204 | 178 | 1257097 | 34.896 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.051 | 216 | 378230 | 36.816 | ng/uL | 97 |
| 76) Pentachlorobenzene | 14.587 | 250 | 412940 | 36.360 | ng/uL | 99 |
| 77) Carbazole | 17.486 | 167 | 1121044 | 35.170 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.069 | 149 | 1259584 | 35.713 | ng/ul | 100 |
| 80) Fluoranthene | 19.198 | 202 | 1703182 | 41.235 | ng/ul | 97 |
| 82) Pyrene | 19.575 | 202 | 1766051 | 39.893 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.528 | 149 | 583656 | 37.867 | ng/ul | 99 |
| 84) 3,3'-Dichlorobenzidine | 21.410 | 252 | 398717 | 24.619 | ng/ul | 96 |
| 85) Benzo(a)anthracene | 21.486 | 228 | 1778415 | 37.338 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.422 | 149 | 808121 | 36.527 | ng/ul | 97 |
| 87) Chrysene | 21.557 | 228 | 1640506 | 37.146 | ng/ul | 100 |
| 89) Di-n-octyl phthalate | 22.663 | 149 | 1374667 | 35.788 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.739 | 252 | 1862290 | 36.637 | ng/ul# | 99 |
| 91) Benzo(k)fluoranthene | 23.804 | 252 | 1885309m | 37.883 | ng/ul | |
| 93) Benzo(a)pyrene | 24.616 | 252 | 1703321 | 36.410 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 28.480 | 276 | 2354163 | 37.710 | ng/ul# | 96 |
| 95) Dibenzo(a,h)anthracene | 28.539 | 278 | 1867492 | 36.941 | ng/ul# | 98 |
| 96) Benzo(g,h,i)perylene | 29.615 | 276 | 1821269 | 37.507 | ng/ul | 98 |

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

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BNA_P
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