



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052424\  
 Data File : BN031666.D  
 Acq On : 24 May 2024 18:18  
 Operator : MA/JU  
 Sample : P2548-02DL 2X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :

BNA\_N

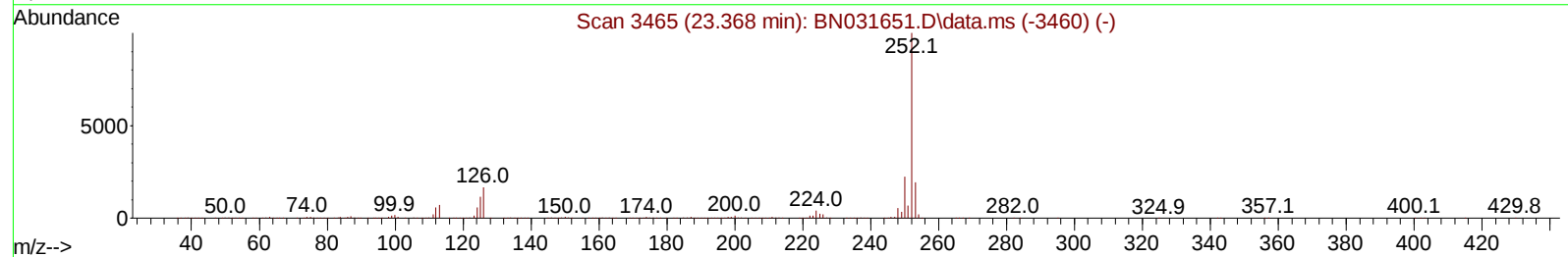
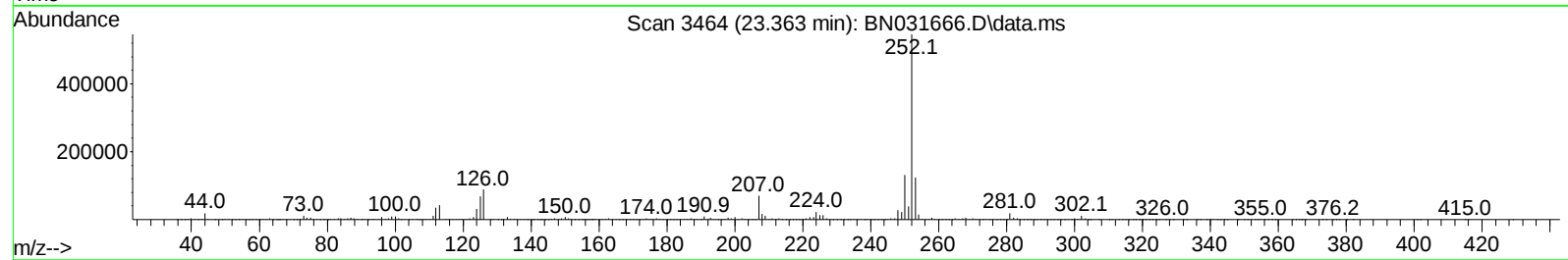
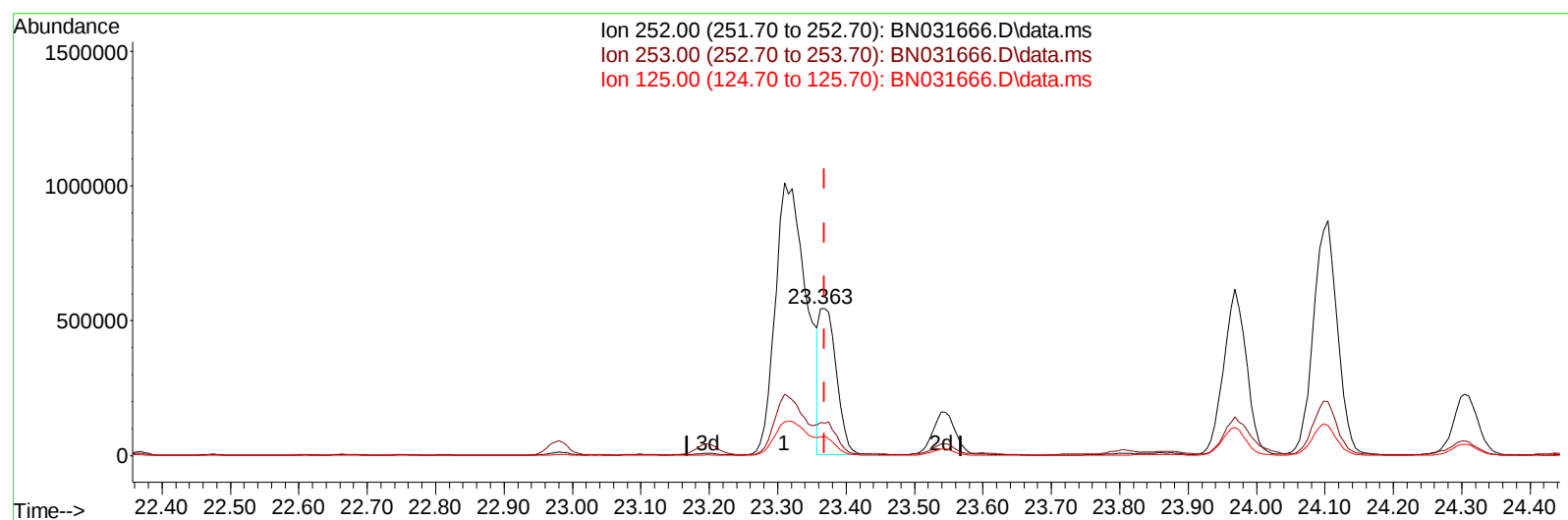
ClientSampleId :

BH5X9DL

Manual IntegrationsAPPROVED

Quant Time: May 24 22:44:16 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 21 23:42:49 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 05/25/2024  
 Supervised By :mohammad ahmed 05/27/2024



TIC: BN031666.D\data.ms

(91) Benzo(k)fluoranthene

23.363min (-0.006) 9.97 ng/u1 m

response 947228

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.70  | 22.71  |
| 125.00 | 11.60  | 12.56  |
| 0.00   | 0.00   | 0.00   |

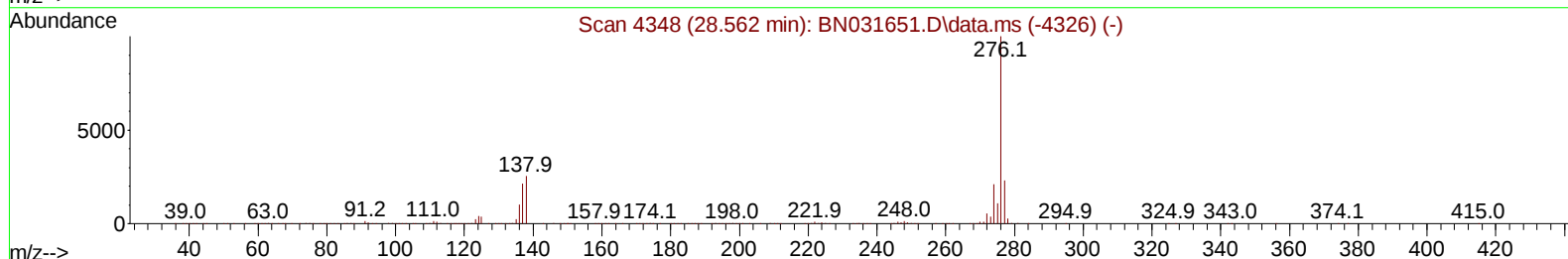
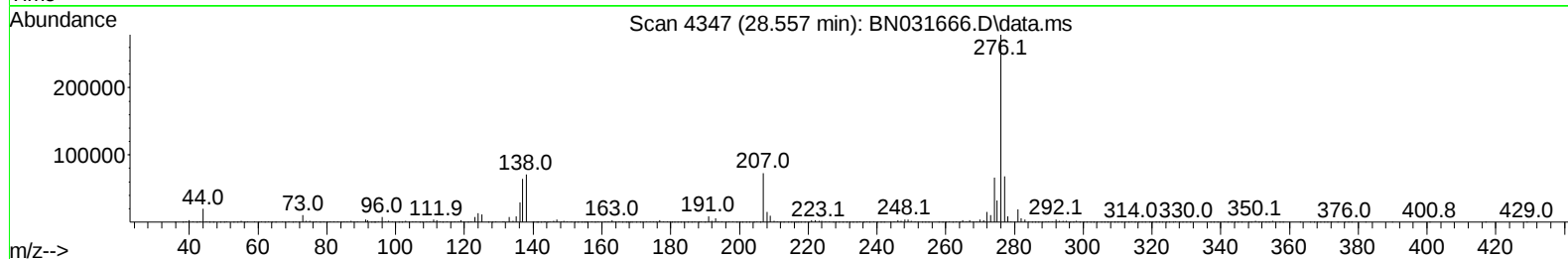
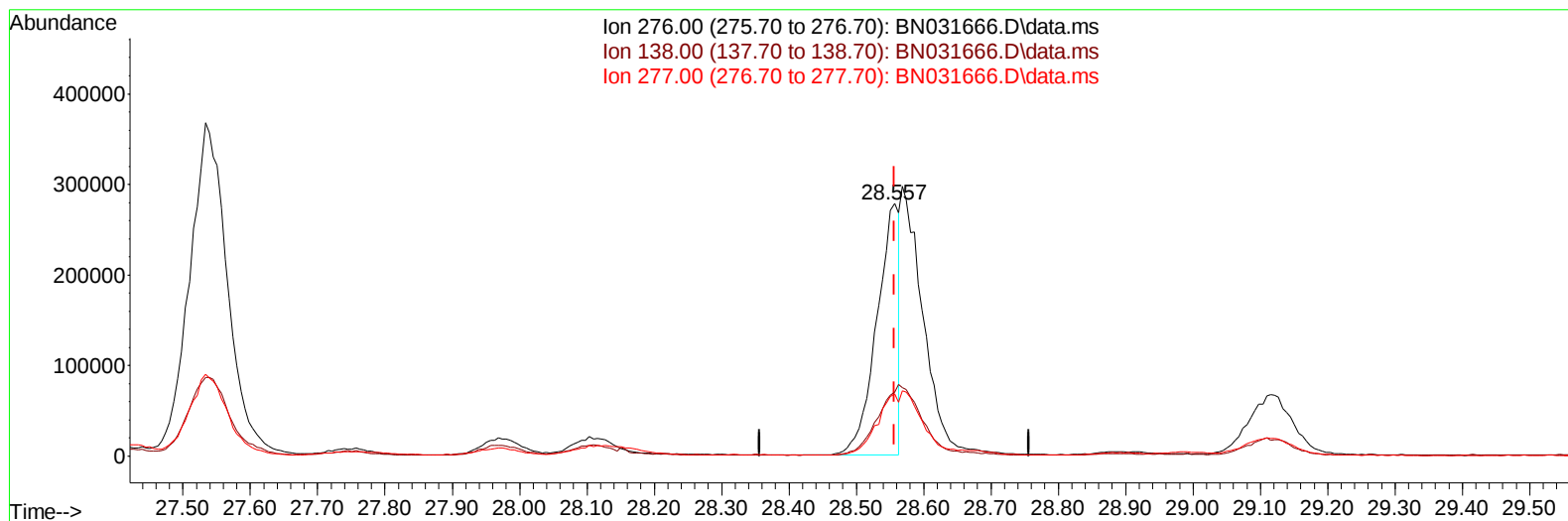
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Reviewed By :Yogesh Patel 05/25/2024  
Supervised By :mohammad ahmed 05/27/2024



TIC: BN031666.D\data.ms

(96) Benzo(g,h,i)perylene

28.557min (+ 0.000) 7.23 ng/u1

response 641590

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 24.40  | 25.44  |
| 277.00 | 22.00  | 24.47  |
| 0.00   | 0.00   | 0.00   |

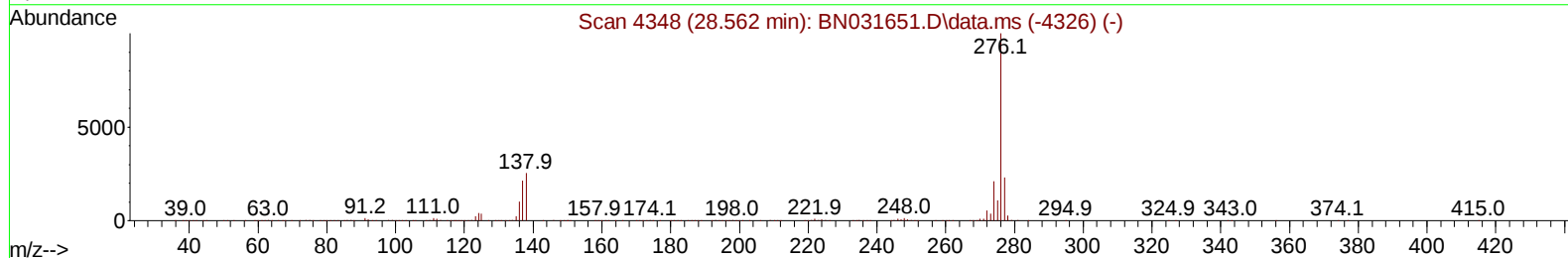
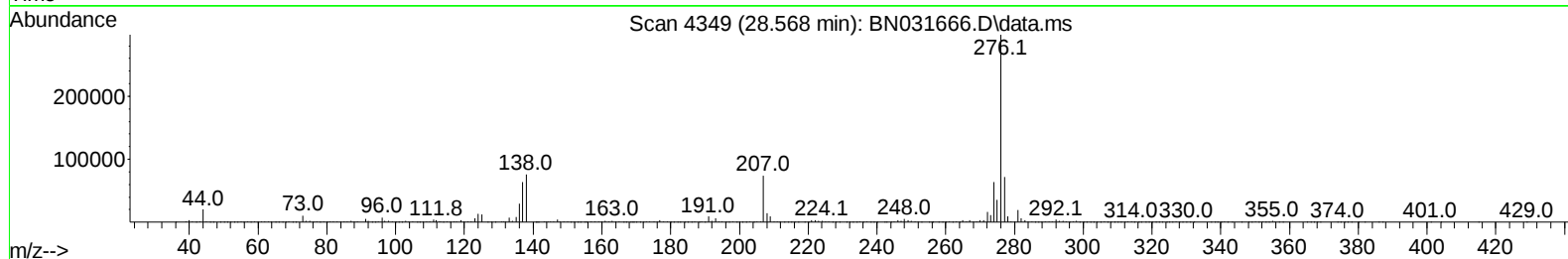
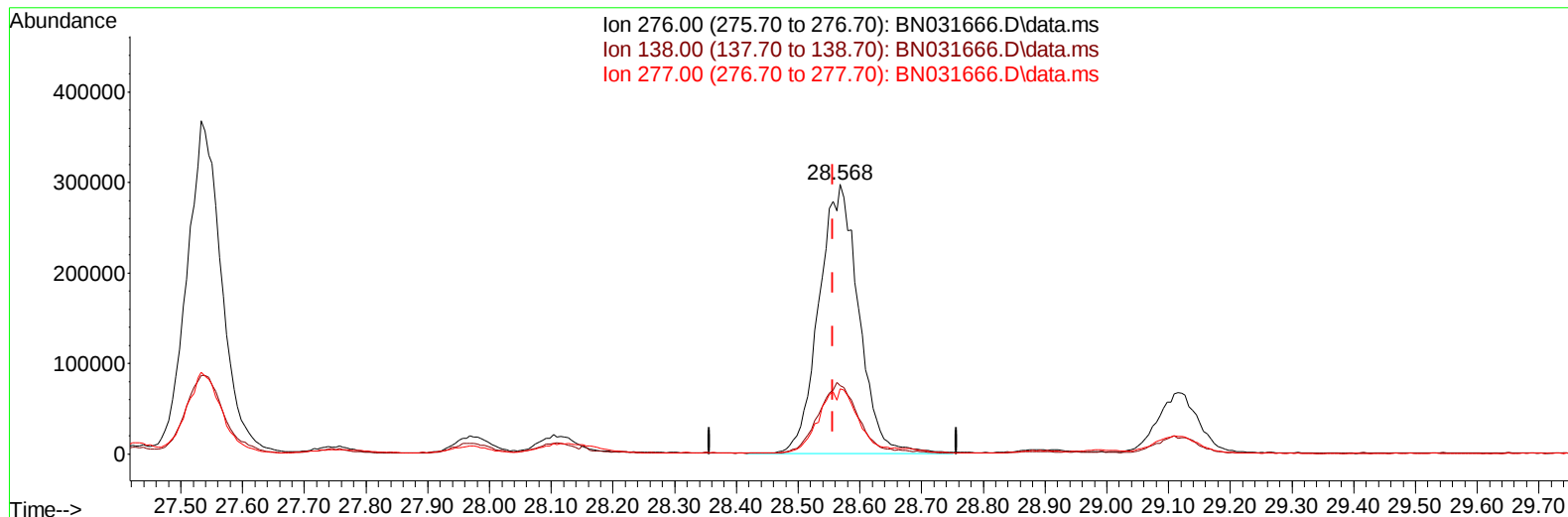
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Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
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Manual IntegrationsAPPROVED

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TIC: BN031666.D\data.ms

(96) Benzo(g,h,i)perylene

28.568min (+ 0.012) 14.95 ng/ul m

response 1326546

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 24.40  | 25.42  |
| 277.00 | 22.00  | 24.11  |
| 0.00   | 0.00   | 0.00   |

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| Compound                      | R.T.   | Q   | Ion | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|-----|-----|----------|--------|--------|----------|
| -----                         |        |     |     |          |        |        |          |
| Internal Standards            |        |     |     |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.693  | 152 |     | 495099   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.469 | 136 |     | 1943006  | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.328 | 164 |     | 954642   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.069 | 188 |     | 1518680  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.304 | 240 |     | 1316633  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.239 | 264 |     | 1596605  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |     |     |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.205  | 96  |     | 13812    | 1.106  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.611  | 84  |     | 100100   | 2.872  | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.852  | 99  |     | 229907   | 5.641  | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.028  | 67  |     | 149516   | 6.117  | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.222  | 132 |     | 189723   | 6.041  | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.387  | 113 |     | 145886   | 4.624  | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.840  | 128 |     | 86000    | 5.848  | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.558  | 143 |     | 76304    | 5.434  | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.087 | 165 |     | 149783   | 5.455  | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.610 | 131 |     | 110823   | 2.800  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.740 | 166 |     | 395164   | 6.568  | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.016 | 160 |     | 477859   | 6.337  | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.516 | 143 |     | 29284    | 2.573  | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.322 | 176 |     | 325161   | 6.237  | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.440 | 200 |     | 15551    | 2.368  | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.169 | 188 |     | 419703   | 6.528  | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.463 | 212 |     | 465436   | 5.636  | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.033 | 264 |     | 500398   | 6.658  | ng/ul  | 0.00     |
| Target Compounds              |        |     |     |          |        |        |          |
|                               |        |     |     |          |        | Qvalue |          |
| 30) Naphthalene               | 10.522 | 128 |     | 274365   | 2.744  | ng/ul  | 99       |
| 36) 2-Methylnaphthalene       | 12.140 | 142 |     | 75060    | 1.147  | ng/ul  | 96       |
| 52) Acenaphthene              | 14.387 | 153 |     | 238973   | 4.237  | ng/ul  | 92       |
| 56) Dibenzofuran              | 14.728 | 168 |     | 221074   | 2.936  | ng/ul  | 99       |
| 61) Fluorene                  | 15.375 | 166 |     | 231004   | 3.917  | ng/ul  | 99       |
| 72) Phenanthrene              | 17.116 | 178 |     | 3704695  | 48.067 | ng/ul  | 99       |
| 74) Anthracene                | 17.204 | 178 |     | 735309   | 9.509  | ng/ul  | 97       |
| 77) Carbazole                 | 17.475 | 167 |     | 490726   | 7.437  | ng/ul  | 99       |
| 80) Fluoranthene              | 19.134 | 202 |     | 4800964  | 47.031 | ng/ul  | 99       |
| 82) Pyrene                    | 19.498 | 202 |     | 4046708  | 38.655 | ng/ul  | 100      |
| 83) Butylbenzylphthalate      | 20.404 | 149 |     | 66684    | 1.877  | ng/ul  | 100      |
| 85) Benzo(a)anthracene        | 21.286 | 228 |     | 2287628  | 25.838 | ng/ul  | 99       |
| 87) Chrysene                  | 21.345 | 228 |     | 2259434  | 27.627 | ng/ul  | 96       |
| 90) Benzo(b)fluoranthene      | 23.310 | 252 |     | 3187334  | 34.209 | ng/ul  | 97       |
| 91) Benzo(k)fluoranthene      | 23.363 | 252 |     | 947228m  | 9.973  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.104 | 252 |     | 2118980  | 23.676 | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.533 | 276 |     | 1428778  | 13.302 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 27.592 | 278 |     | 375195   | 4.242  | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 28.568 | 276 |     | 1326546m | 14.948 | ng/ul  |          |
| -----                         |        |     |     |          |        |        |          |

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

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