

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080416\  
 Data File : BM006885.D  
 Acq On : 05 Aug 2016 04:13  
 Operator : UM/SJ  
 Sample : H4224-04  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BDJL4

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 1 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080316.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 6.792    | 709        | 715      | 730       | rBV   | 625387      | 1485759    | 26.64%       | 2.240%     |
| 2      | 6.910    | 730        | 735      | 747       | rVB   | 552054      | 971491     | 17.42%       | 1.465%     |
| 3      | 7.116    | 763        | 770      | 781       | rBV   | 810506      | 1510528    | 27.08%       | 2.277%     |
| 4      | 7.563    | 839        | 846      | 862       | rVB   | 1183750     | 2058745    | 36.91%       | 3.104%     |
| 5      | 8.316    | 968        | 974      | 1001      | rBV2  | 690802      | 1793687    | 32.16%       | 2.704%     |
| 6      | 8.728    | 1038       | 1044     | 1060      | rBV   | 793533      | 1596856    | 28.63%       | 2.407%     |
| 7      | 9.451    | 1160       | 1167     | 1183      | rBV   | 630364      | 1441938    | 25.85%       | 2.174%     |
| 8      | 10.004   | 1254       | 1261     | 1276      | rBV3  | 663082      | 1781909    | 31.95%       | 2.686%     |
| 9      | 10.339   | 1309       | 1318     | 1332      | rBV   | 1526018     | 2867703    | 51.41%       | 4.323%     |
| 10     | 10.516   | 1339       | 1348     | 1366      | rBV   | 622703      | 1755368    | 31.47%       | 2.646%     |
| 11     | 13.639   | 1873       | 1879     | 1884      | rBV   | 1890970     | 2802616    | 50.25%       | 4.225%     |
| 12     | 13.686   | 1884       | 1887     | 1901      | rVB   | 674001      | 1253904    | 22.48%       | 1.890%     |
| 13     | 13.910   | 1918       | 1925     | 1936      | rBV   | 1966509     | 3156260    | 56.59%       | 4.758%     |
| 14     | 14.216   | 1967       | 1977     | 1992      | rBV2  | 2188325     | 3704169    | 66.41%       | 5.584%     |
| 15     | 14.539   | 2025       | 2032     | 2052      | rBV3  | 302033      | 1213745    | 21.76%       | 1.830%     |
| 16     | 15.068   | 2118       | 2122     | 2126      | rBV4  | 44256       | 60694      | 1.09%        | 0.092%     |
| 17     | 15.221   | 2139       | 2148     | 2162      | rBV   | 2605734     | 4116123    | 73.80%       | 6.205%     |
| 18     | 15.380   | 2170       | 2175     | 2186      | rBV2  | 560535      | 1106398    | 19.84%       | 1.668%     |
| 19     | 15.457   | 2186       | 2188     | 2203      | rVB10 | 65799       | 157759     | 2.83%        | 0.238%     |
| 20     | 15.933   | 2264       | 2269     | 2276      | rBV4  | 72521       | 147685     | 2.65%        | 0.223%     |
| 21     | 16.727   | 2400       | 2404     | 2408      | rBV2  | 57614       | 79769      | 1.43%        | 0.120%     |
| 22     | 16.909   | 2431       | 2435     | 2440      | rBV   | 104459      | 163139     | 2.92%        | 0.246%     |
| 23     | 16.974   | 2440       | 2446     | 2456      | rVV   | 3009832     | 4559123    | 81.74%       | 6.873%     |
| 24     | 17.074   | 2456       | 2463     | 2475      | rVB   | 2854543     | 4453006    | 79.84%       | 6.713%     |
| 25     | 17.392   | 2510       | 2517     | 2525      | rBV   | 1069217     | 1562874    | 28.02%       | 2.356%     |
| 26     | 17.886   | 2596       | 2601     | 2607      | rBV7  | 35612       | 81477      | 1.46%        | 0.123%     |
| 27     | 19.380   | 2850       | 2855     | 2866      | rBV   | 3667578     | 5392653    | 96.68%       | 8.130%     |
| 28     | 20.897   | 3109       | 3113     | 3119      | rBV7  | 142981      | 247644     | 4.44%        | 0.373%     |
| 29     | 21.180   | 3156       | 3161     | 3170      | rBV   | 3941426     | 5577738    | 100.00%      | 8.409%     |
| 30     | 23.233   | 3504       | 3510     | 3520      | rVB2  | 2456590     | 4613211    | 82.71%       | 6.955%     |
| 31     | 23.368   | 3527       | 3533     | 3544      | rVB   | 2384598     | 4617676    | 82.79%       | 6.961%     |

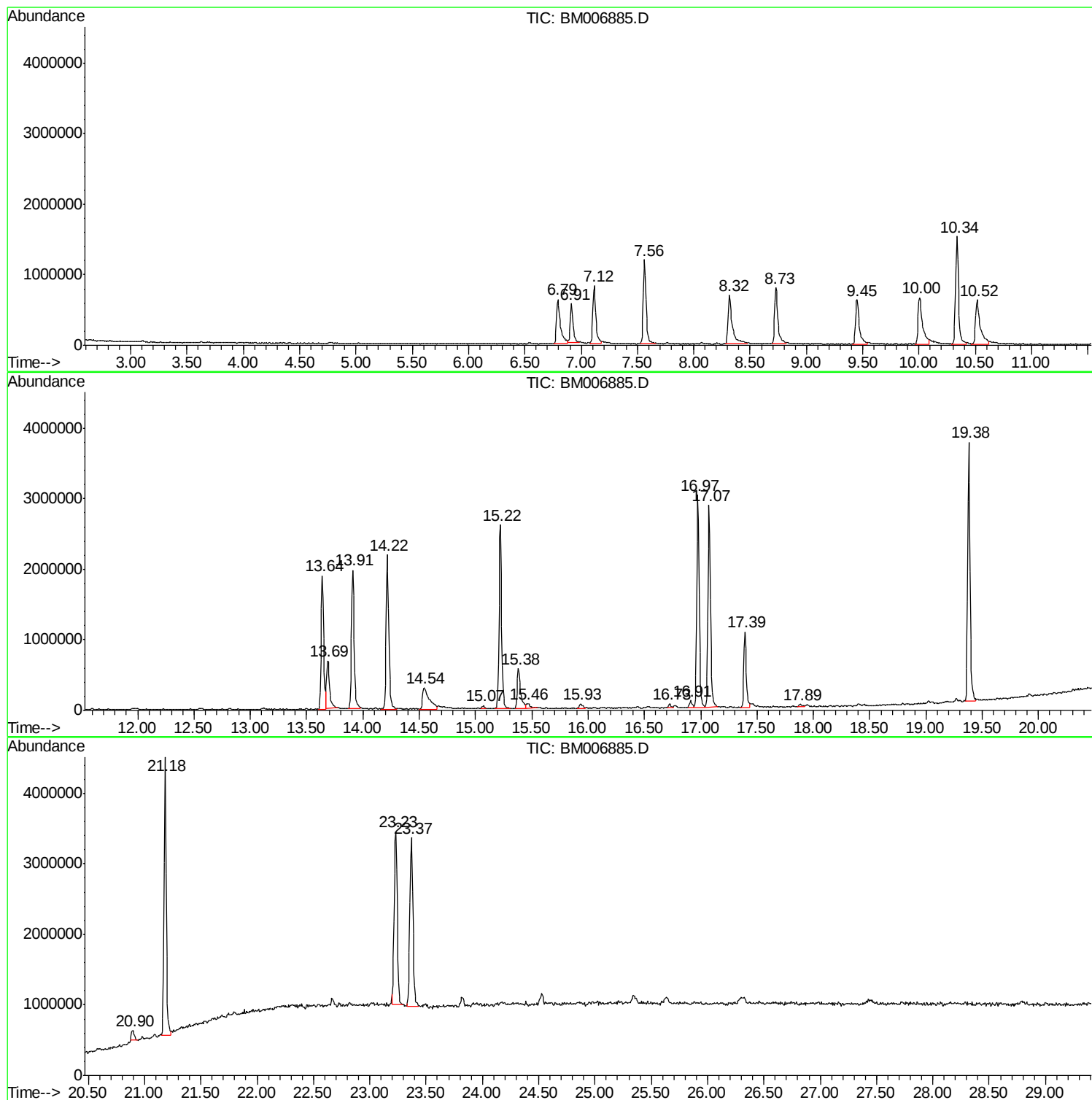
Sum of corrected areas: 66331647

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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080316.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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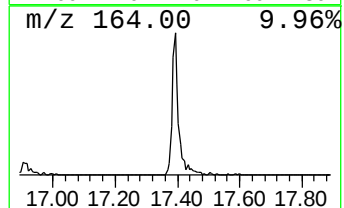
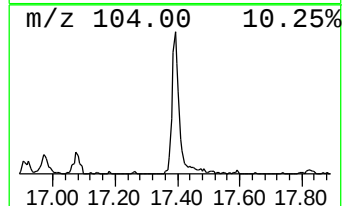
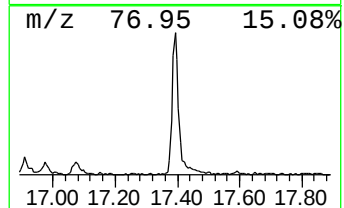
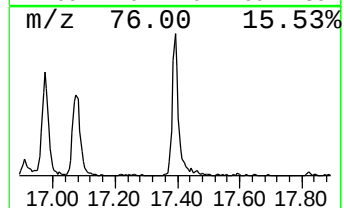
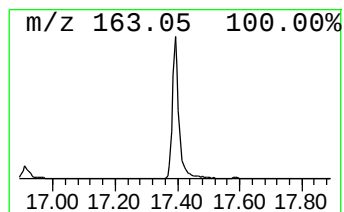
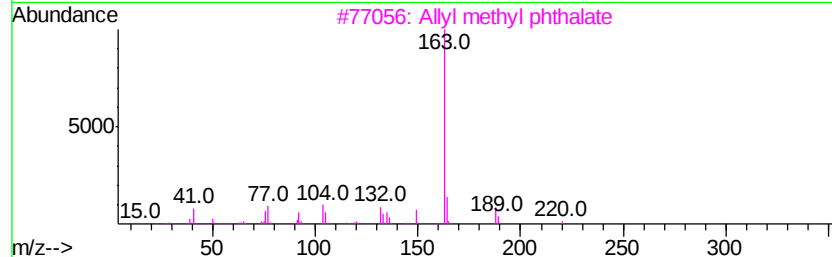
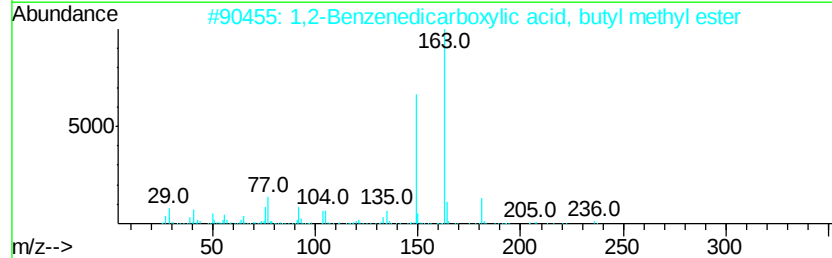
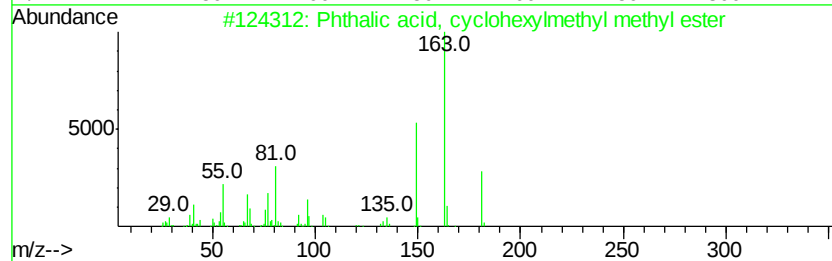
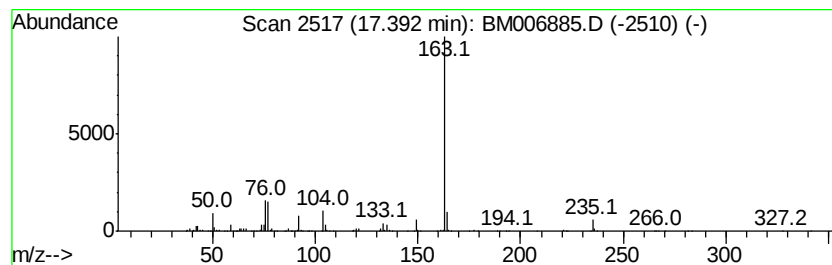
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Phthalic acid, cyclohexylme... Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 17.39 | 6.86 ng/ul | 1562870 | Phenanthrene-d10 | 16.97 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Phthalic acid, cvclohexylmethyl ... | 276 | C16H20O4   | 1000309-05-8 | 78   |
| 2    |    | 1,2-Benzenedicarboxylic acid, bu... | 236 | C13H16O4   | 034006-76-3  | 78   |
| 3    |    | Allyl methyl phthalate              | 220 | C12H12O4   | 1000373-89-1 | 74   |
| 4    |    | Phthalic acid, 3,5-difluoropheny... | 292 | C15H10F2O4 | 1000315-61-0 | 72   |
| 5    |    | Phthalic acid, 3-chlorophenyl me... | 290 | C15H11ClO4 | 1000315-72-2 | 72   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Phthalic acid, cy... | 17.39 | 6.9     | ng/ul | 1562870  | 4                     | 16.97 | 4559120 | 20.0 |