

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\  
 Data File : BF100799.D  
 Acq On : 22 Nov 2017 00:39  
 Operator : SJ/JU  
 Sample : I6466-03  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHAP-5-E(7-8)

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON Filtering: 5  
 Sampling : 1 Min Area: 3 % of largest Peak  
 Start Thrs: 0.2 Max Peaks: 100  
 Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 5.098       | 508           | 512         | 525          | rBB      | 223516         | 264808        | 15.98%          | 1.891%        |
| 2         | 5.493       | 574           | 579         | 582          | rBV      | 1537904        | 1475567       | 89.04%          | 10.535%       |
| 3         | 6.498       | 745           | 750         | 760          | rBV      | 1462584        | 1550727       | 93.57%          | 11.072%       |
| 4         | 6.640       | 770           | 774         | 778          | rBV      | 1623696        | 1531980       | 92.44%          | 10.938%       |
| 5         | 6.869       | 810           | 813         | 817          | rBV      | 495365         | 438538        | 26.46%          | 3.131%        |
| 6         | 7.028       | 836           | 840         | 843          | rBV      | 1433135        | 1183973       | 71.44%          | 8.453%        |
| 7         | 7.434       | 904           | 909         | 912          | rBV      | 1045566        | 927781        | 55.98%          | 6.624%        |
| 8         | 8.151       | 1027          | 1031        | 1035         | rBV      | 701945         | 583694        | 35.22%          | 4.168%        |
| 9         | 8.704       | 1121          | 1125        | 1129         | rBV      | 63311          | 53381         | 3.22%           | 0.381%        |
| 10        | 9.228       | 1209          | 1214        | 1217         | rBV      | 1980093        | 1657268       | 100.00%         | 11.833%       |
| 11        | 9.616       | 1277          | 1280        | 1285         | rBB      | 32015          | 28708         | 1.73%           | 0.205%        |
| 12        | 9.910       | 1326          | 1330        | 1334         | rBV      | 731437         | 628042        | 37.90%          | 4.484%        |
| 13        | 10.622      | 1447          | 1451        | 1454         | rBV      | 227470         | 181308        | 10.94%          | 1.295%        |
| 14        | 10.698      | 1460          | 1464        | 1467         | rBV      | 1020160        | 870466        | 52.52%          | 6.215%        |
| 15        | 11.398      | 1579          | 1583        | 1586         | rBV      | 662046         | 580713        | 35.04%          | 4.146%        |
| 16        | 12.792      | 1817          | 1820        | 1823         | rBV      | 23347          | 18929         | 1.14%           | 0.135%        |
| 17        | 12.980      | 1847          | 1852        | 1855         | rBV      | 1383307        | 1186209       | 71.58%          | 8.469%        |
| 18        | 13.863      | 1999          | 2002        | 2006         | rBV2     | 23713          | 25388         | 1.53%           | 0.181%        |
| 19        | 14.033      | 2027          | 2031        | 2038         | rVB      | 505349         | 420259        | 25.36%          | 3.001%        |
| 20        | 15.510      | 2277          | 2282        | 2288         | rBV      | 321586         | 398018        | 24.02%          | 2.842%        |

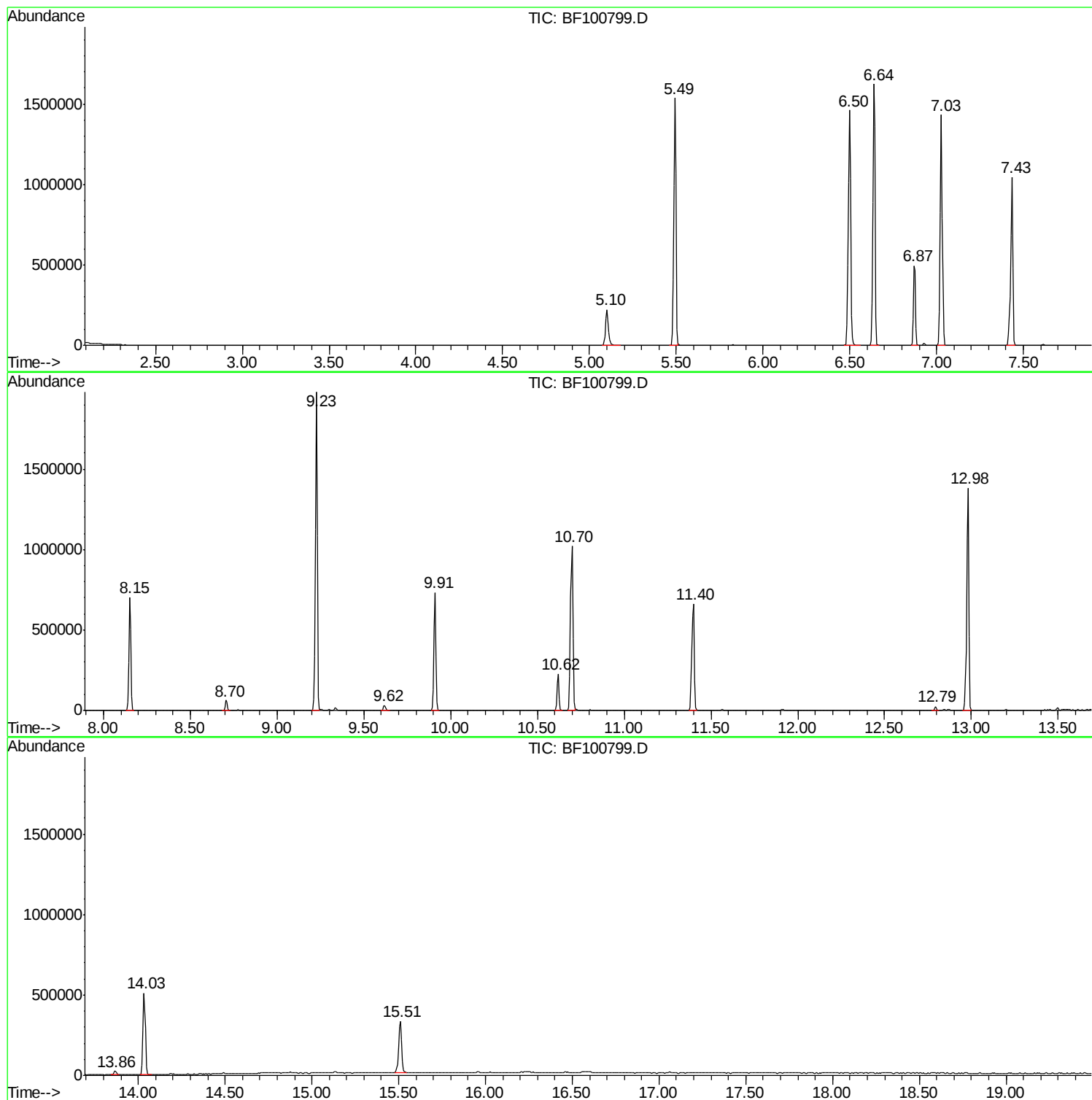
Sum of corrected areas: 14005757

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ClientSampleId :  
CHAP-5-E(7-8)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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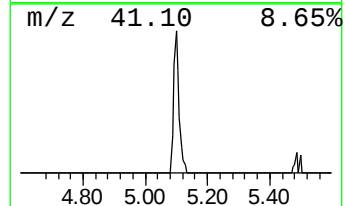
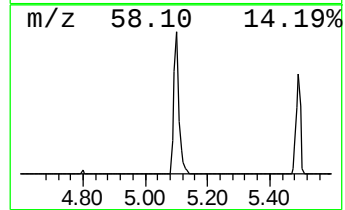
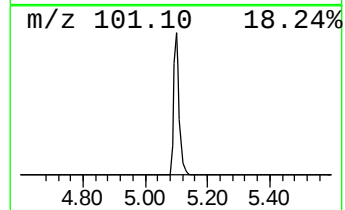
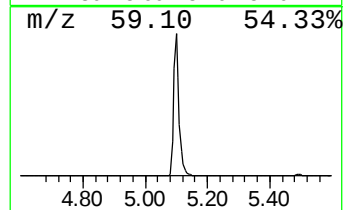
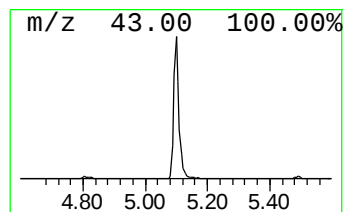
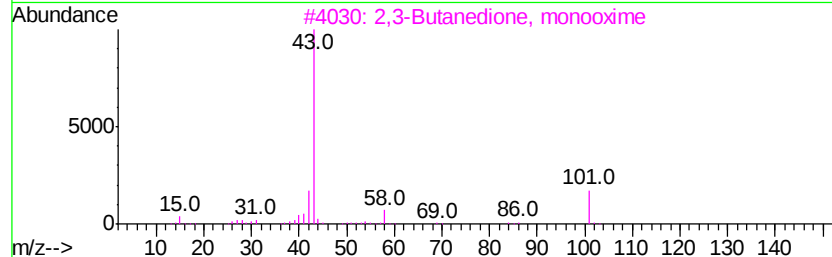
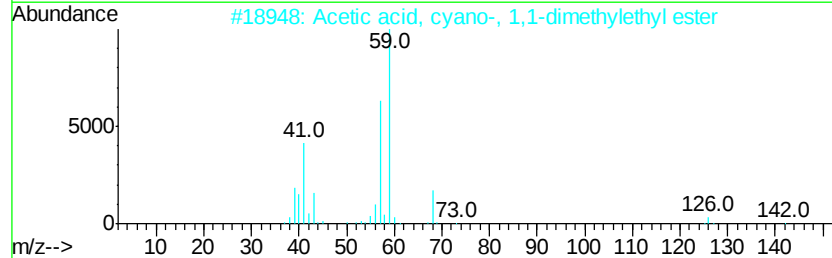
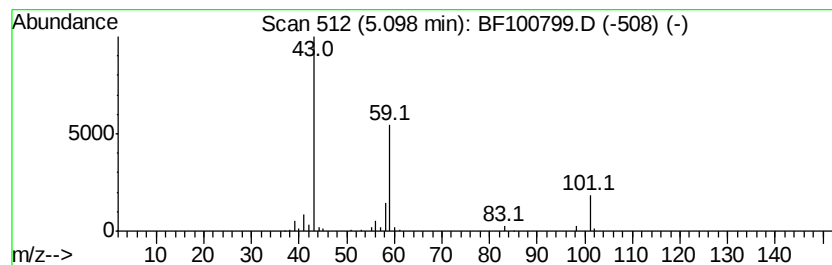
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TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.10 | 12.08 ng | 264808 | 1,4-Dichlorobenzene-d4 | 6.87 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 38   |
| 2    |    | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 23   |
| 3    |    | 2,3-Butanedione, monooxime           | 101 | C4H7NO2  | 000057-71-6 | 9    |
| 4    |    | Butane, 1-ethoxy-                    | 102 | C6H14O   | 000628-81-9 | 9    |
| 5    |    | Morpholine, 4-methyl-                | 101 | C5H11NO  | 000109-02-4 | 9    |



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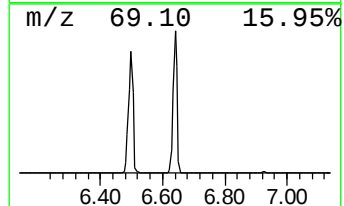
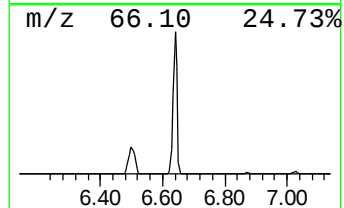
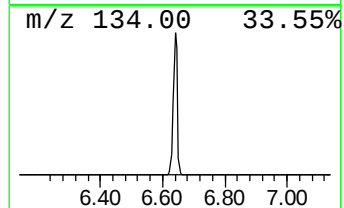
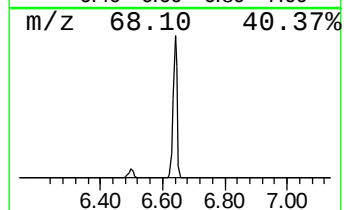
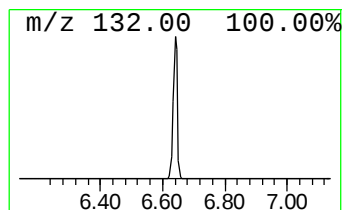
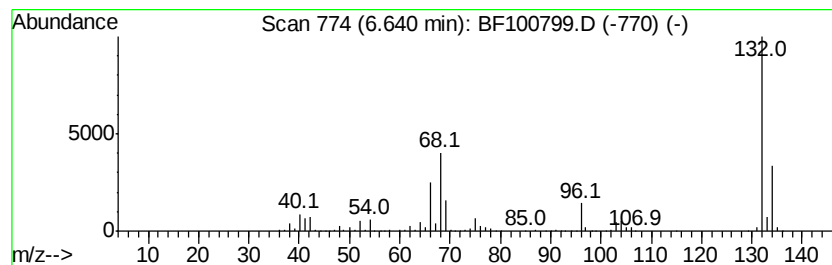
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Peak Number 2 unknown6.64 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.64 | 69.87 ng | 1531980 | 1,4-Dichlorobenzene-d4 | 6.87 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 16   |
| 3    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |
| 4    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 5    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 9    |



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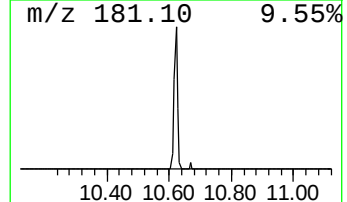
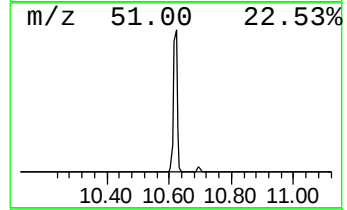
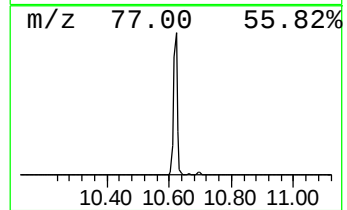
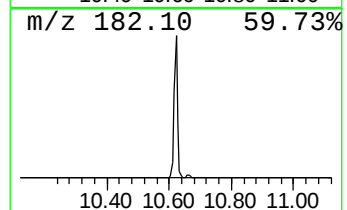
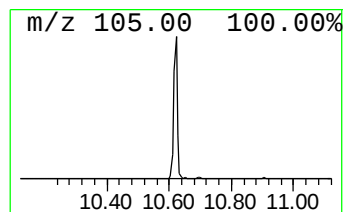
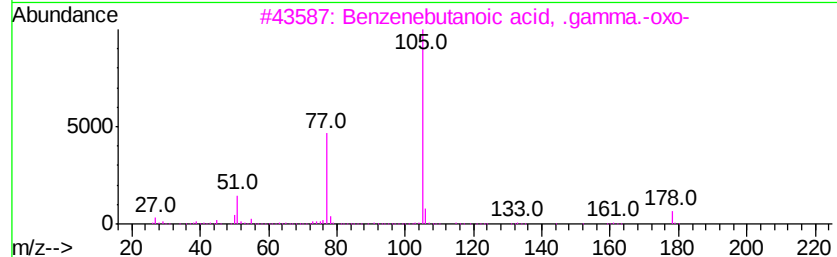
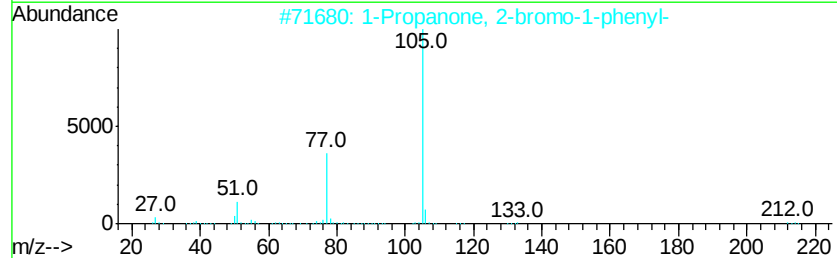
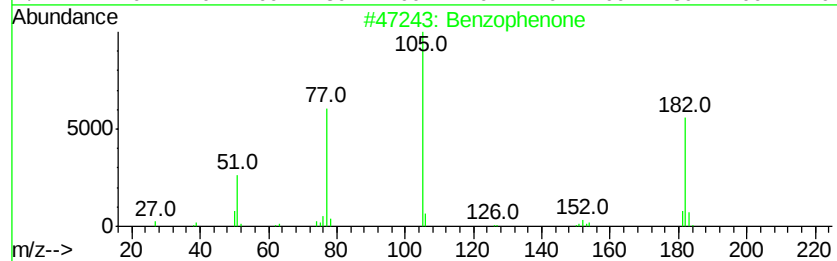
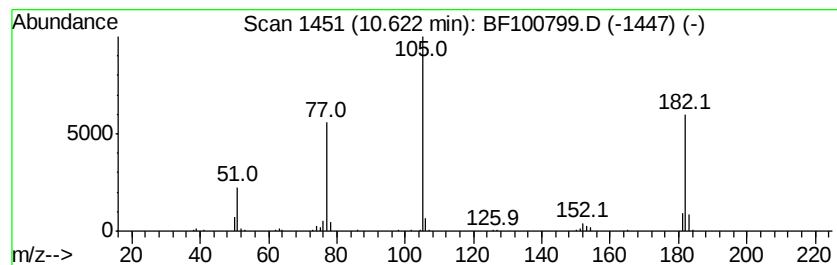
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CHAP-5-E(7-8)

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Peak Number 4 Benzophenone Concentration Rank 4

| R.T.    | EstConc | Area                               | Relative to ISTD | R.T.           |
|---------|---------|------------------------------------|------------------|----------------|
| 10.62   | 5.77 ng | 181308                             | Acenaphthene-d10 | 9.91           |
| Hit# of | 5       | Tentative ID                       | MW MolForm       | CAS# Qual      |
| 1       |         | Benzophenone                       | 182 C13H10O      | 000119-61-9 96 |
| 2       |         | 1-Propanone, 2-bromo-1-phenyl-     | 212 C9H9BrO      | 002114-00-3 47 |
| 3       |         | Benzenebutanoic acid, .gamma.-oxo- | 178 C10H10O3     | 002051-95-8 47 |
| 4       |         | 1-Propanone, 3-chloro-1-phenyl-    | 168 C9H9ClO      | 000936-59-4 47 |
| 5       |         | Vinyl benzoate                     | 148 C9H8O2       | 000769-78-8 47 |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|------|--------|------|
|                      |       |         |       |          | #                     | RT   | Resp   | Conc |
| 2-Pentanone, 4-hy... | 5.10  | 12.1    | ng    | 264808   | 1                     | 6.87 | 438538 | 20.0 |
| unknown6.64          | 6.64  | 69.9    | ng    | 1531980  | 1                     | 6.87 | 438538 | 20.0 |
| Benzophenone         | 10.62 | 5.8     | ng    | 181308   | 3                     | 9.91 | 628042 | 20.0 |