

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012218\  
 Data File : BM013722.D  
 Acq On : 23 Jan 2018 08:31  
 Operator : SJ/JU  
 Sample : J1220-05  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F6A07

## 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\SOM-EPA-BM011018.M  
 Title : SVOA 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         | 3.158       | 26            | 29          | 37           | rVB2     | 78112          | 114873        | 1.96%           | 0.194%        |
| 2         | 6.793       | 640           | 647         | 658          | rBV2     | 1033517        | 1870693       | 31.93%          | 3.163%        |
| 3         | 6.951       | 668           | 674         | 684          | rBV      | 777676         | 1188923       | 20.30%          | 2.010%        |
| 4         | 7.145       | 700           | 707         | 715          | rBV      | 1079946        | 1739122       | 29.69%          | 2.940%        |
| 5         | 7.604       | 777           | 785         | 794          | rBV      | 729964         | 1184309       | 20.22%          | 2.002%        |
| 6         | 8.316       | 899           | 906         | 918          | rBV      | 1215235        | 2027075       | 34.60%          | 3.427%        |
| 7         | 8.763       | 976           | 982         | 992          | rVB      | 1063645        | 1733220       | 29.59%          | 2.930%        |
| 8         | 9.481       | 1096          | 1104        | 1115         | rBV      | 900477         | 1536310       | 26.23%          | 2.597%        |
| 9         | 10.010      | 1188          | 1194        | 1205         | rBV      | 1228590        | 2202191       | 37.59%          | 3.723%        |
| 10        | 10.381      | 1247          | 1257        | 1267         | rBV      | 921978         | 1552231       | 26.50%          | 2.624%        |
| 11        | 10.534      | 1276          | 1283        | 1296         | rBV      | 1036861        | 1924130       | 32.85%          | 3.253%        |
| 12        | 13.674      | 1810          | 1817        | 1822         | rBV      | 2129529        | 3082149       | 52.61%          | 5.211%        |
| 13        | 13.722      | 1822          | 1825        | 1833         | rVB      | 537716         | 766946        | 13.09%          | 1.297%        |
| 14        | 13.951      | 1855          | 1864        | 1874         | rBV      | 2599705        | 3749424       | 64.01%          | 6.339%        |
| 15        | 14.169      | 1894          | 1901        | 1905         | rBV      | 101632         | 139981        | 2.39%           | 0.237%        |
| 16        | 14.257      | 1909          | 1916        | 1927         | rVB2     | 1254049        | 1914353       | 32.68%          | 3.236%        |
| 17        | 14.480      | 1949          | 1954        | 1970         | rBV      | 796960         | 1443064       | 24.63%          | 2.440%        |
| 18        | 15.121      | 2059          | 2063        | 2069         | rVB      | 119985         | 154016        | 2.63%           | 0.260%        |
| 19        | 15.257      | 2080          | 2086        | 2093         | rVB      | 3061122        | 4310660       | 73.59%          | 7.288%        |
| 20        | 15.392      | 2104          | 2109        | 2122         | rBV      | 905596         | 1353791       | 23.11%          | 2.289%        |
| 21        | 15.504      | 2122          | 2128        | 2131         | rBV6     | 42693          | 78906         | 1.35%           | 0.133%        |
| 22        | 15.986      | 2206          | 2210        | 2219         | rVB      | 112495         | 160597        | 2.74%           | 0.272%        |
| 23        | 16.780      | 2340          | 2345        | 2348         | rBV      | 64824          | 78314         | 1.34%           | 0.132%        |
| 24        | 17.010      | 2378          | 2384        | 2391         | rBV2     | 1612150        | 2272166       | 38.79%          | 3.841%        |
| 25        | 17.110      | 2395          | 2401        | 2413         | rVB2     | 3286812        | 4713869       | 80.47%          | 7.969%        |
| 26        | 17.915      | 2533          | 2538        | 2547         | rBV2     | 239407         | 383034        | 6.54%           | 0.648%        |
| 27        | 19.204      | 2753          | 2757        | 2771         | rBV2     | 156215         | 278608        | 4.76%           | 0.471%        |
| 28        | 19.321      | 2775          | 2777        | 2784         | rVB2     | 48536          | 65711         | 1.12%           | 0.111%        |
| 29        | 19.415      | 2786          | 2793        | 2801         | rBV      | 4188201        | 5505306       | 93.98%          | 9.307%        |
| 30        | 20.933      | 3047          | 3051        | 3059         | rBV5     | 200365         | 307930        | 5.26%           | 0.521%        |
| 31        | 21.209      | 3093          | 3098        | 3107         | rBV      | 2184961        | 2802770       | 47.85%          | 4.738%        |
| 32        | 23.274      | 3441          | 3449        | 3462         | rBV      | 3230292        | 5857967       | 100.00%         | 9.903%        |
| 33        | 23.409      | 3466          | 3472        | 3482         | rVB      | 1398949        | 2658142       | 45.38%          | 4.494%        |

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Integration Parameters: LSCINT.P  
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Sampling : 1 Min Area: 1 % 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

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Title : SVOA CALIBRATION

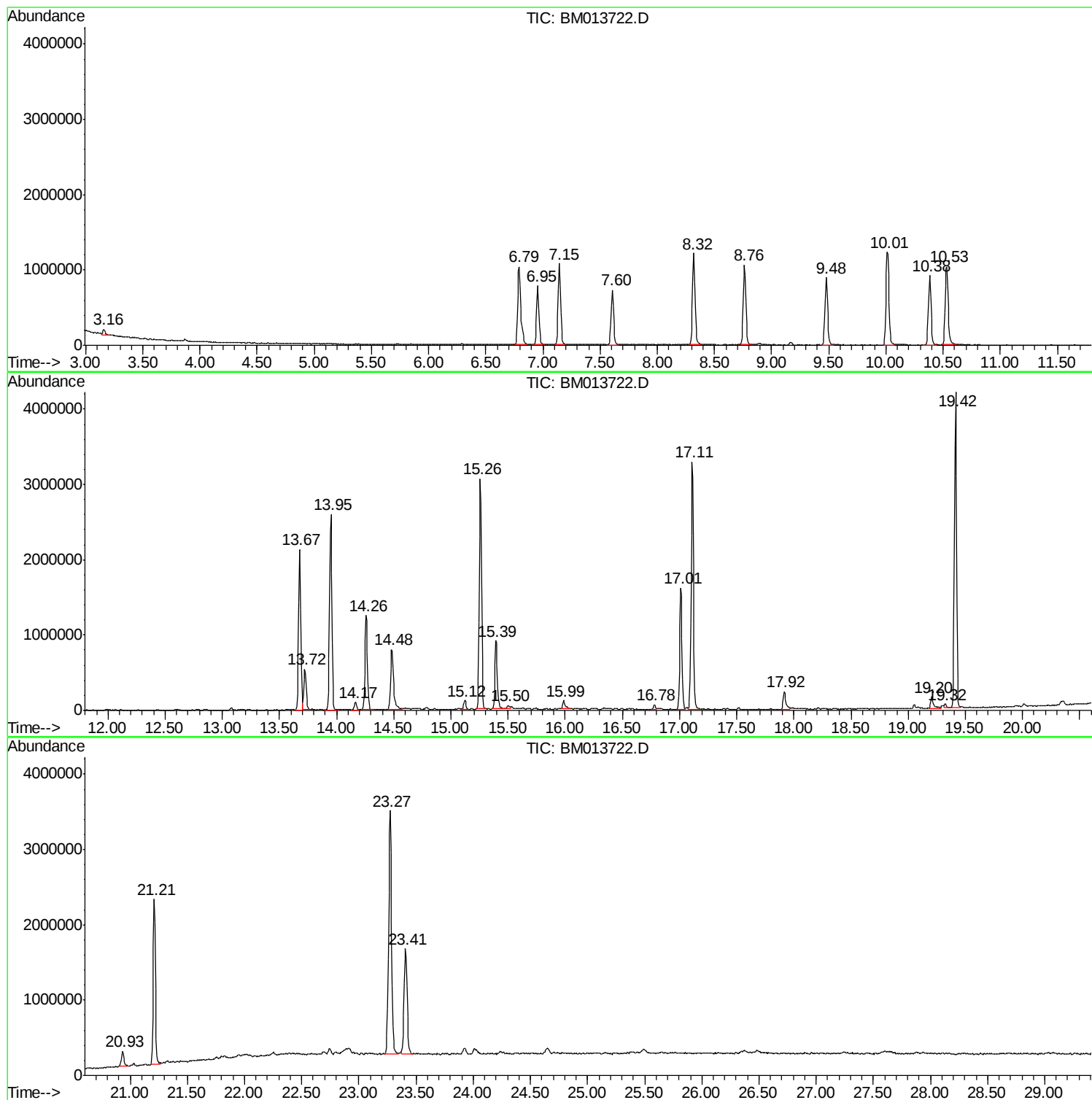
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION

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



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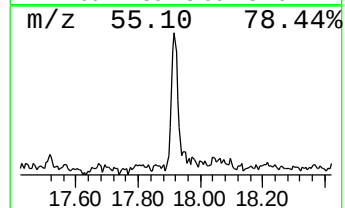
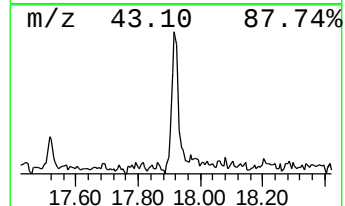
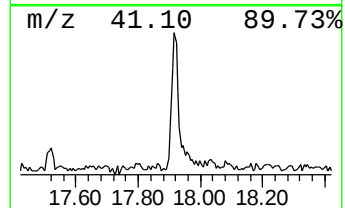
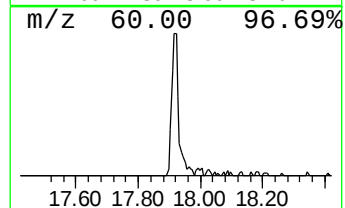
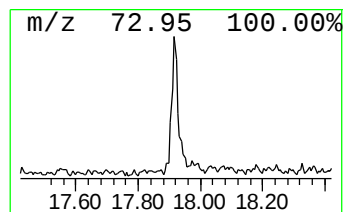
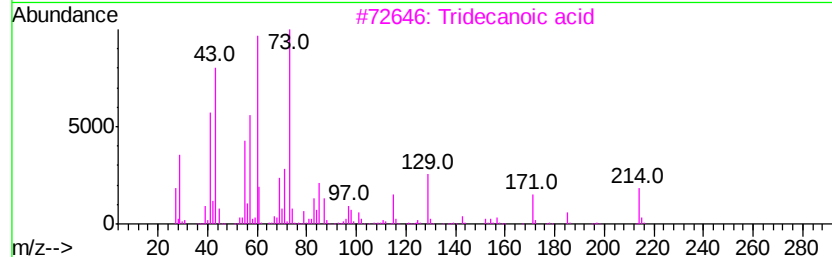
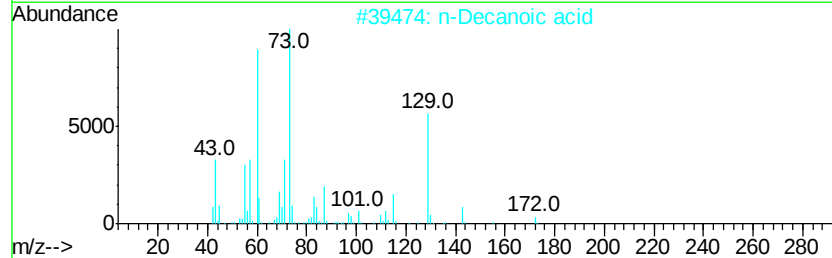
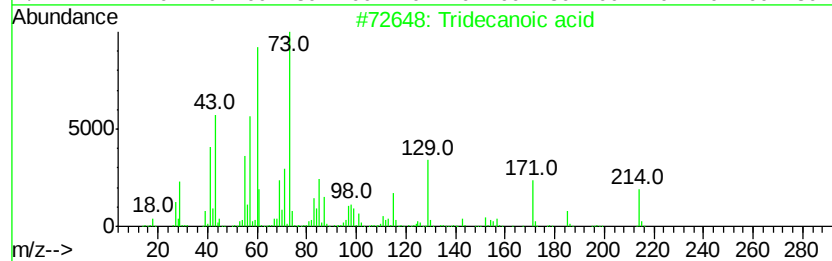
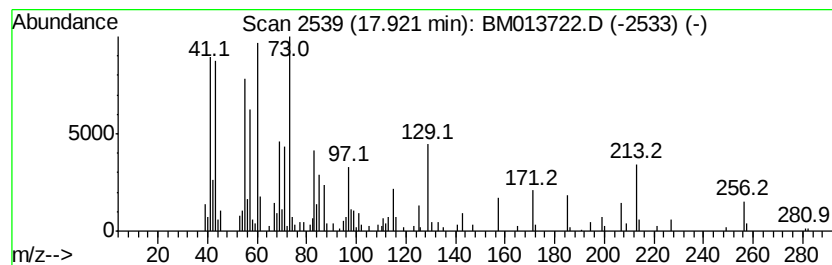
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Tridecanoic acid Concentration Rank 1

| R.T.      | EstConc             | Area   | Relative to ISTD | R.T.        |      |
|-----------|---------------------|--------|------------------|-------------|------|
| 17.92     | 3.37 ng/ul          | 383034 | Phenanthrene-d10 | 17.01       |      |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#        | Qual |
| 1         | Tridecanoic acid    | 214    | C13H26O2         | 000638-53-9 | 86   |
| 2         | n-Decanoic acid     | 172    | C10H20O2         | 000334-48-5 | 78   |
| 3         | Tridecanoic acid    | 214    | C13H26O2         | 000638-53-9 | 70   |
| 4         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 70   |
| 5         | Tridecanoic acid    | 214    | C13H26O2         | 000638-53-9 | 68   |



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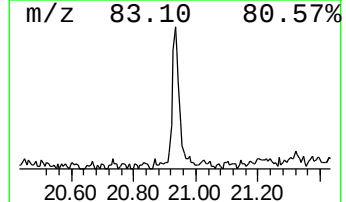
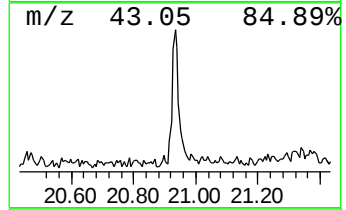
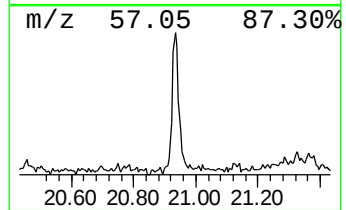
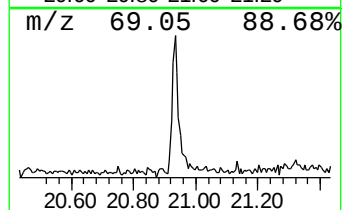
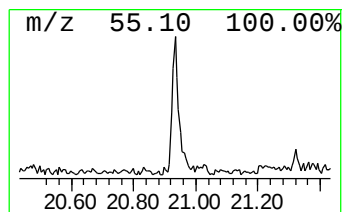
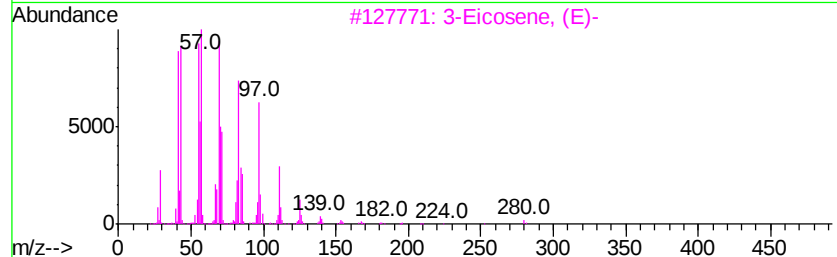
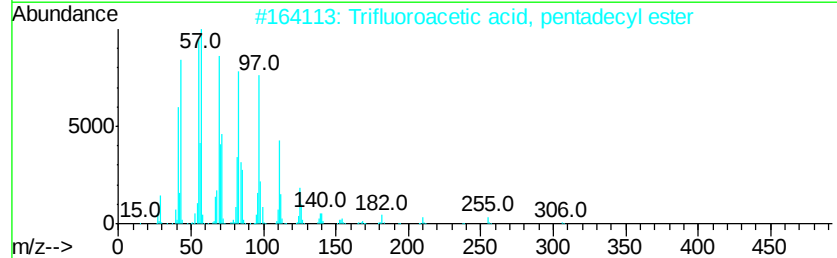
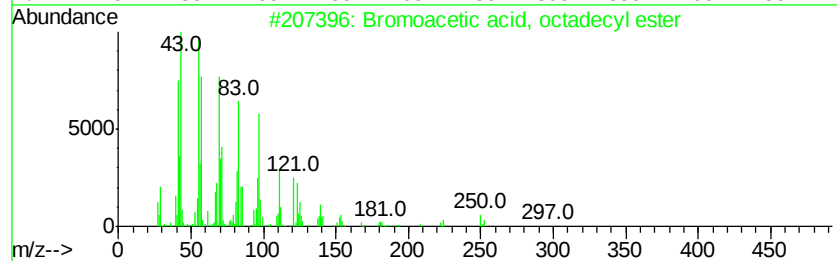
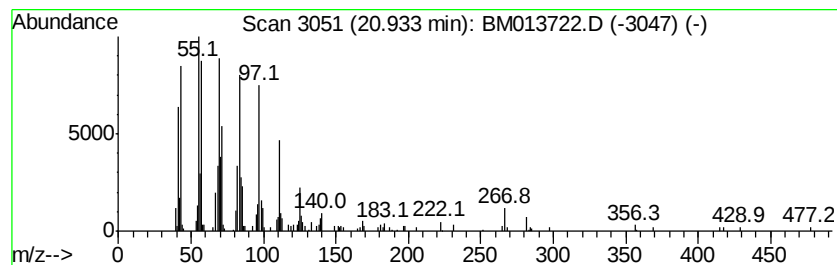
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Peak Number 2 Bromoacetic acid, octadecyl... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.93 | 2.20 ng/ul | 307930 | Chrysene-d12     | 21.21 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Bromoacetic acid, octadecyl ester   | 390 | C20H39BrO2 | 018992-03-5 | 91   |
| 2    |    | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2 | 959010-23-2 | 87   |
| 3    |    | 3-Eicosene, (E)-                    | 280 | C20H40     | 074685-33-9 | 86   |
| 4    |    | n-Tetracosanol-1                    | 354 | C24H50O    | 000506-51-4 | 70   |
| 5    |    | Cyclododecane                       | 168 | C12H24     | 000294-62-2 | 70   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Tridecanoic acid     | 17.92 | 3.4     | ng/ul | 383034   | 4                     | 17.01 | 2272170 | 20.0 |
| Bromoacetic acid,... | 20.93 | 2.2     | ng/ul | 307930   | 5                     | 21.21 | 2802770 | 20.0 |