

Data Path : Z:\HPCHEM1\BNA M\DATA\BM013017\  
 Data File : BM008939.D  
 Acq On : 31 Jan 2017 07:30  
 Operator : SJ/MA  
 Sample : I1467-13  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BDMW0

## 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-BM013017.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         | 7.069       | 753           | 762         | 772          | rVB2     | 341709         | 617574        | 24.92%          | 2.551%        |
| 2         | 7.245       | 782           | 792         | 799          | rBV      | 214222         | 338619        | 13.66%          | 1.399%        |
| 3         | 7.445       | 820           | 826         | 833          | rVB2     | 341087         | 533407        | 21.52%          | 2.204%        |
| 4         | 7.916       | 900           | 906         | 913          | rBV      | 418490         | 651748        | 26.30%          | 2.693%        |
| 5         | 8.610       | 1016          | 1024        | 1032         | rBV2     | 353365         | 568953        | 22.95%          | 2.350%        |
| 6         | 9.081       | 1096          | 1104        | 1110         | rBV      | 347413         | 568045        | 22.92%          | 2.347%        |
| 7         | 9.798       | 1218          | 1226        | 1235         | rBV2     | 288900         | 481876        | 19.44%          | 1.991%        |
| 8         | 10.334      | 1310          | 1317        | 1323         | rBV      | 397329         | 652003        | 26.31%          | 2.694%        |
| 9         | 10.722      | 1375          | 1383        | 1392         | rVB      | 461173         | 799122        | 32.24%          | 3.301%        |
| 10        | 10.857      | 1399          | 1406        | 1412         | rBV2     | 239763         | 387879        | 15.65%          | 1.602%        |
| 11        | 13.957      | 1927          | 1933        | 1938         | rBV      | 564454         | 775697        | 31.30%          | 3.205%        |
| 12        | 14.004      | 1938          | 1941        | 1949         | rVB      | 110216         | 147654        | 5.96%           | 0.610%        |
| 13        | 14.245      | 1976          | 1982        | 1989         | rBV      | 608896         | 892234        | 36.00%          | 3.686%        |
| 14        | 14.551      | 2028          | 2034        | 2041         | rBV      | 655833         | 987957        | 39.86%          | 4.082%        |
| 15        | 14.739      | 2058          | 2066        | 2075         | rBV      | 360840         | 519260        | 20.95%          | 2.145%        |
| 16        | 15.380      | 2170          | 2175        | 2180         | rVB3     | 26524          | 48938         | 1.97%           | 0.202%        |
| 17        | 15.545      | 2198          | 2203        | 2212         | rVB      | 799239         | 1131178       | 45.64%          | 4.673%        |
| 18        | 15.657      | 2216          | 2222        | 2231         | rBV2     | 258950         | 360103        | 14.53%          | 1.488%        |
| 19        | 16.245      | 2318          | 2322        | 2330         | rBV2     | 35049          | 63130         | 2.55%           | 0.261%        |
| 20        | 17.033      | 2451          | 2456        | 2461         | rBV2     | 29769          | 42344         | 1.71%           | 0.175%        |
| 21        | 17.304      | 2495          | 2502        | 2507         | rBV      | 837589         | 1208200       | 48.75%          | 4.991%        |
| 22        | 17.398      | 2512          | 2518        | 2525         | rVB      | 932688         | 1288190       | 51.97%          | 5.322%        |
| 23        | 18.168      | 2645          | 2649        | 2654         | rBV      | 155119         | 204346        | 8.24%           | 0.844%        |
| 24        | 19.445      | 2862          | 2866        | 2874         | rBV3     | 92726          | 113911        | 4.60%           | 0.471%        |
| 25        | 19.598      | 2887          | 2892        | 2898         | rVB      | 2238912        | 2478560       | 100.00%         | 10.240%       |
| 26        | 19.686      | 2901          | 2907        | 2918         | rVB      | 1113527        | 1510115       | 60.93%          | 6.239%        |
| 27        | 20.639      | 3064          | 3069        | 3074         | rBV      | 2179793        | 2292954       | 92.51%          | 9.473%        |
| 28        | 21.156      | 3153          | 3157        | 3161         | rBV4     | 108878         | 134666        | 5.43%           | 0.556%        |
| 29        | 21.468      | 3205          | 3210        | 3216         | rBV      | 1236935        | 1536123       | 61.98%          | 6.346%        |
| 30        | 23.674      | 3579          | 3585        | 3594         | rVB      | 787700         | 1534539       | 61.91%          | 6.340%        |
| 31        | 23.827      | 3604          | 3611        | 3619         | rVB      | 674507         | 1336365       | 53.92%          | 5.521%        |

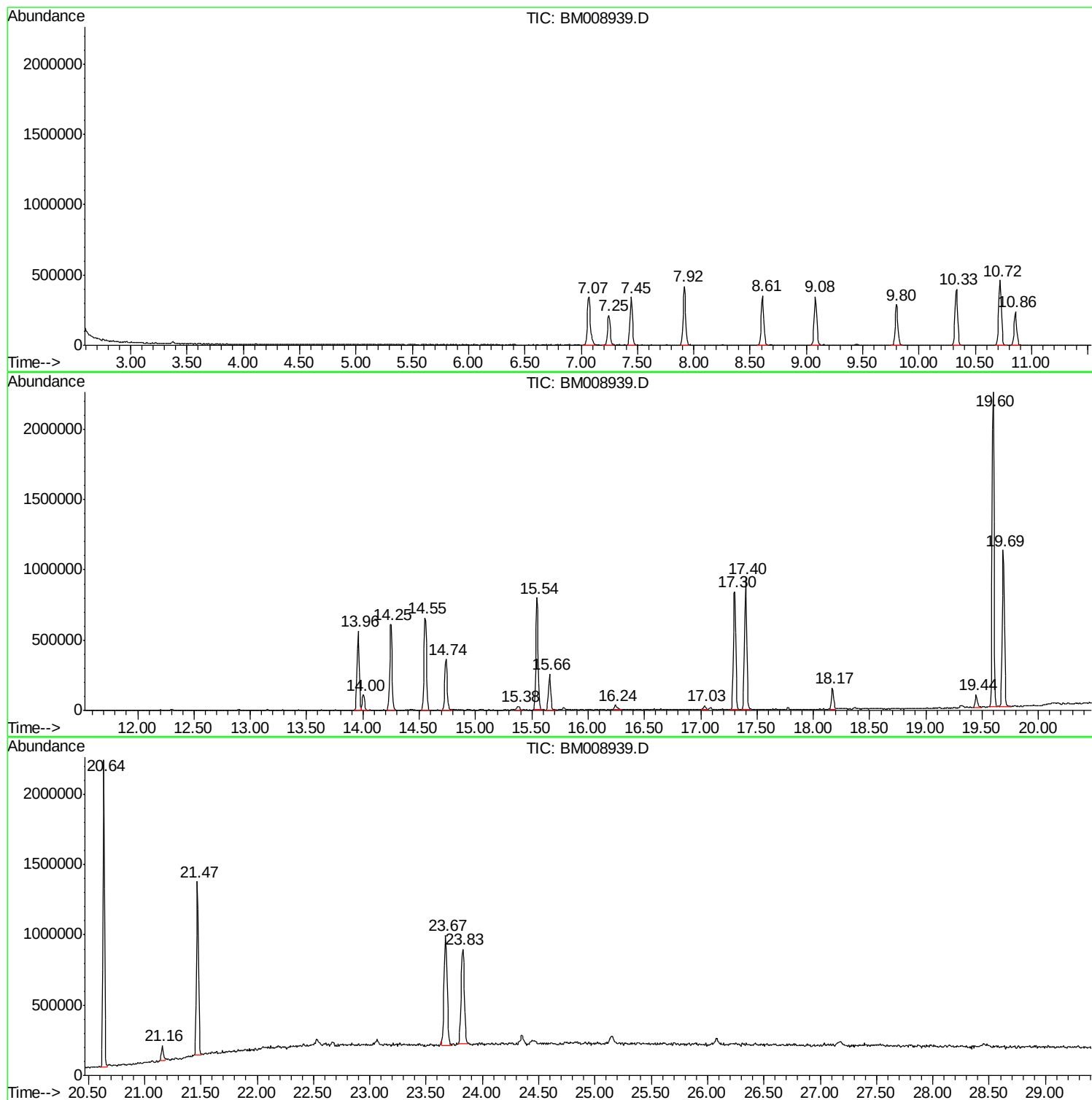
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM013017.M  
Quant Title : SVOA CALIBRATION

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



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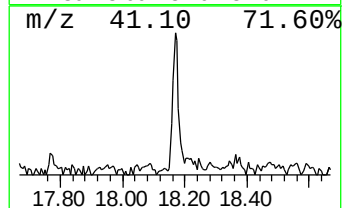
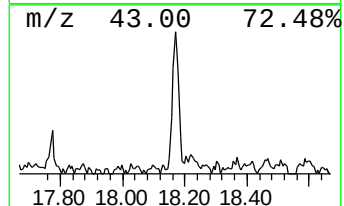
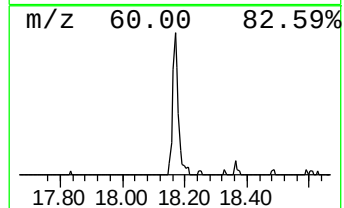
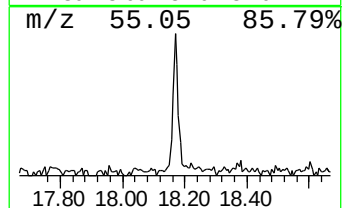
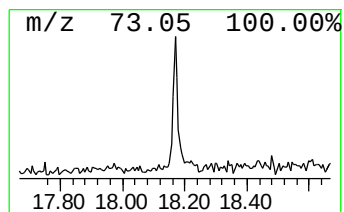
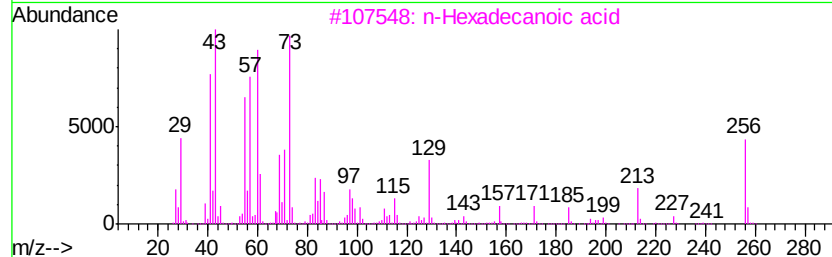
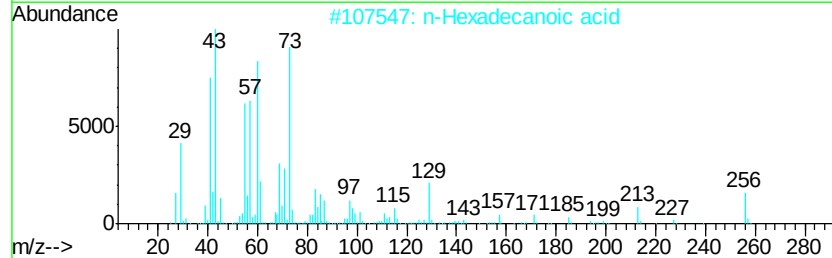
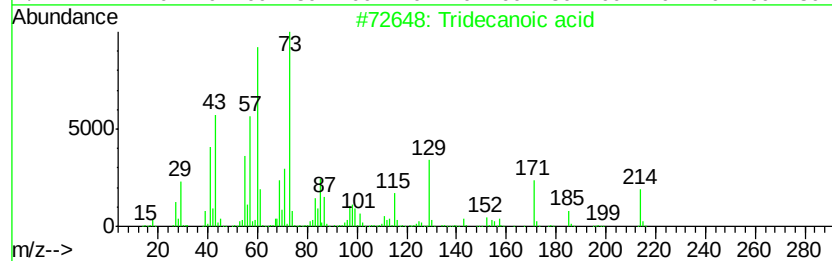
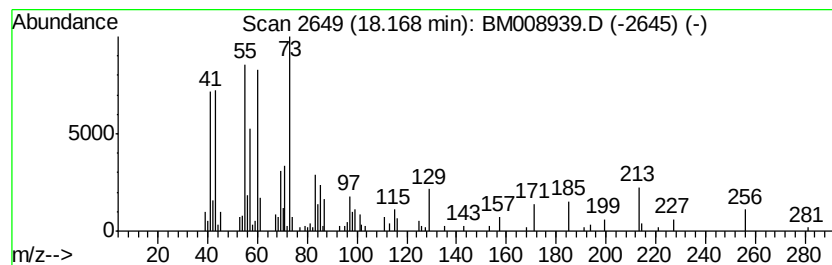
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Peak Number 1 Tridecanoic acid Concentration Rank 3

| R.T.      | EstConc             | Area   | Relative to ISTD |             | R.T.  |
|-----------|---------------------|--------|------------------|-------------|-------|
| 18.17     | 3.38 ng/ul          | 204346 | Phenanthrene-d10 |             | 17.30 |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#        | Qual  |
| 1         | Tridecanoic acid    | 214    | C13H26O2         | 000638-53-9 | 70    |
| 2         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 70    |
| 3         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 68    |
| 4         | Undecanoic acid     | 186    | C11H22O2         | 000112-37-8 | 52    |
| 5         | Tetradecanoic acid  | 228    | C14H28O2         | 000544-63-8 | 50    |



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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM013017.M  
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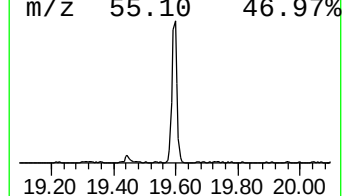
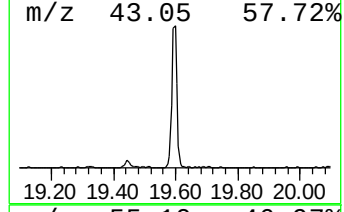
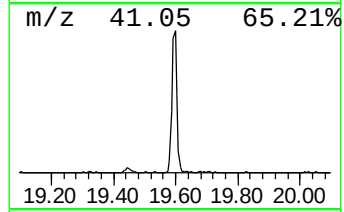
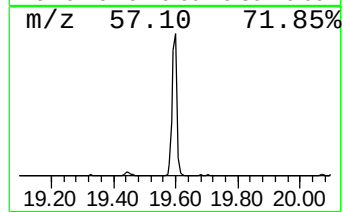
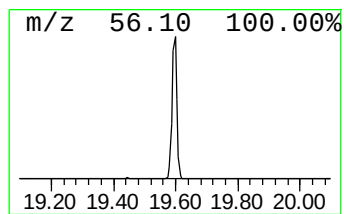
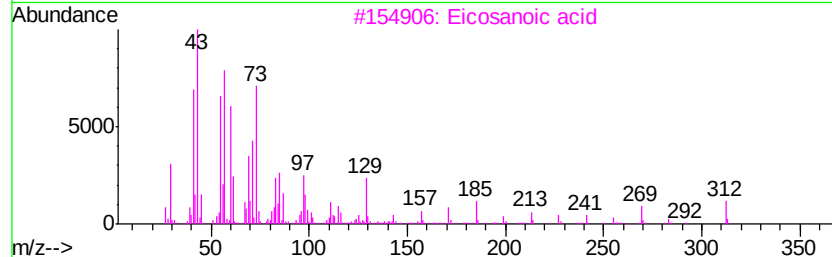
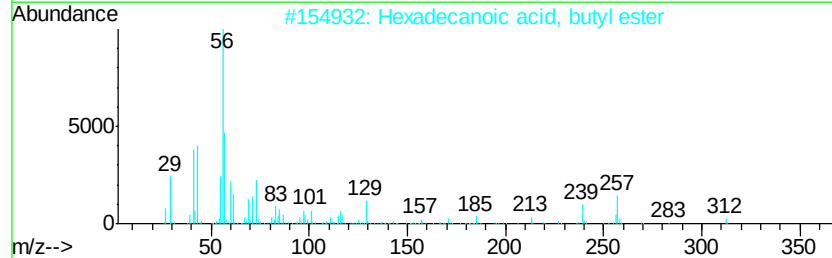
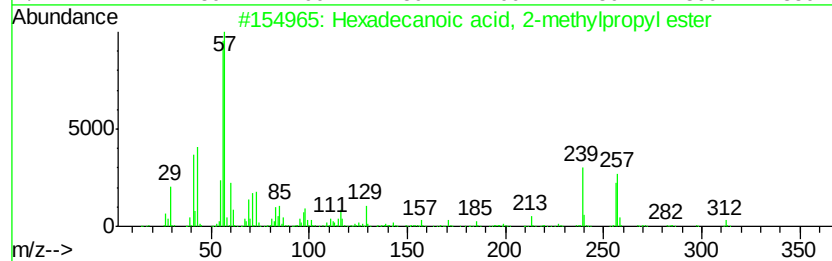
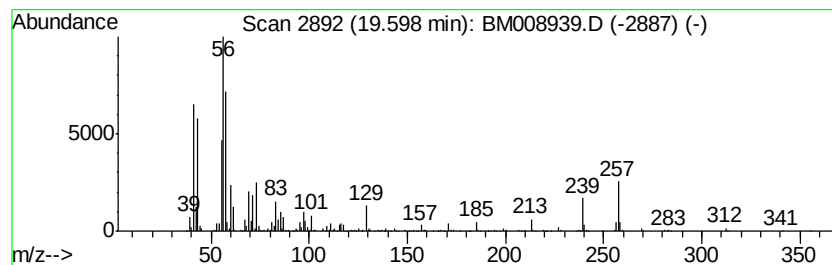
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Peak Number 2 Hexadecanoic acid, 2-methyl... Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 19.60 | 32.27 ng/ul | 2478560 | Chrysene-d12     | 21.47 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Hexadecanoic acid, 2-methylpropyl... | 312 | C20H40O2 | 000110-34-9 | 80   |
| 2    |    | Hexadecanoic acid, butyl ester       | 312 | C20H40O2 | 000111-06-8 | 78   |
| 3    |    | Eicosanoic acid                      | 312 | C20H40O2 | 000506-30-9 | 50   |
| 4    |    | Hexadecanoic acid, butyl ester       | 312 | C20H40O2 | 000111-06-8 | 47   |
| 5    |    | Hexadecanoic acid, 1,1-dimethyle...  | 312 | C20H40O2 | 031158-91-5 | 35   |



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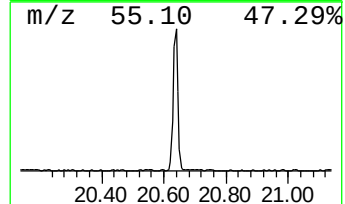
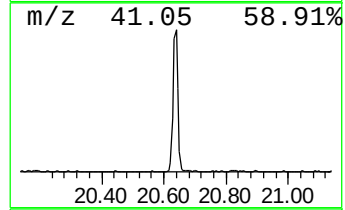
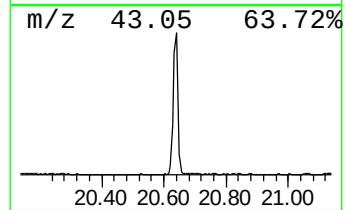
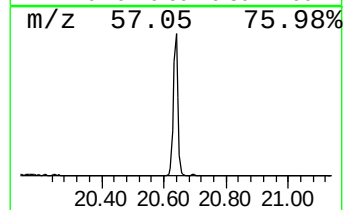
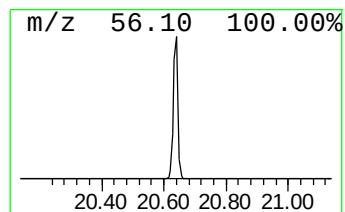
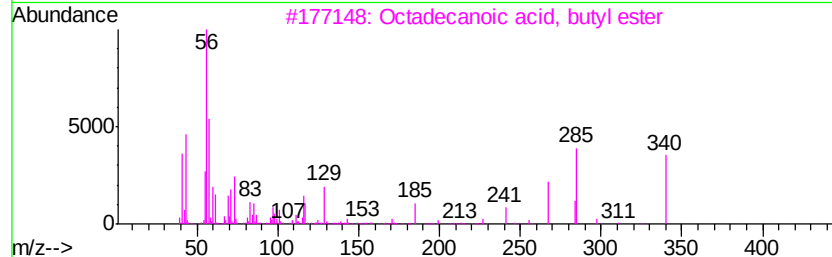
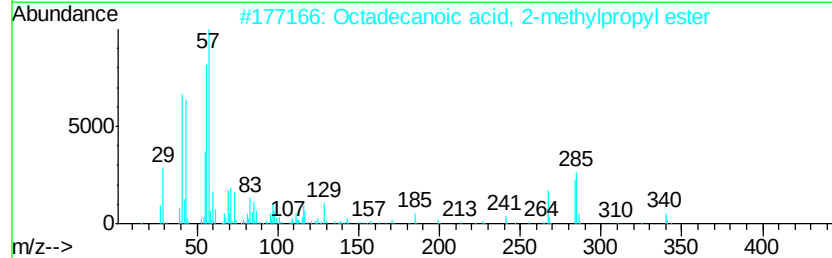
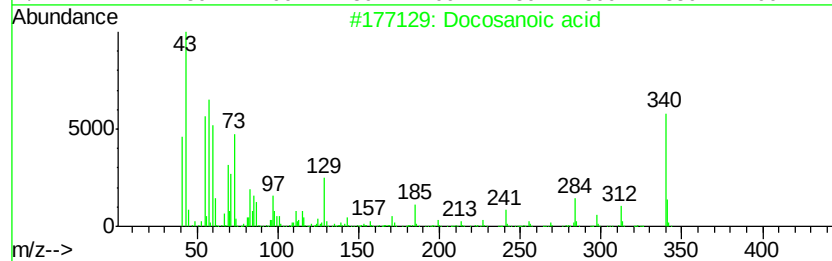
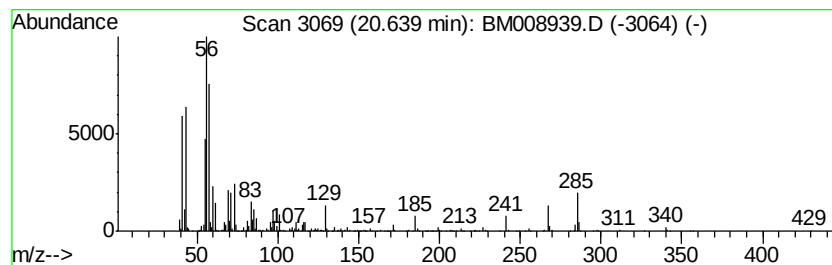
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Peak Number 3 Docosanoic acid Concentration Rank 2

| R.T.    | EstConc     | Area                                | Relative to ISTD | R.T.           |
|---------|-------------|-------------------------------------|------------------|----------------|
| 20.64   | 29.85 ng/ul | 2292950                             | Chrysene-d12     | 21.47          |
| Hit# of | 5           | Tentative ID                        | MW MolForm       | CAS# Qual      |
| 1       |             | Docosanoic acid                     | 340 C22H44O2     | 000112-85-6 80 |
| 2       |             | Octadecanoic acid, 2-methylpropy... | 340 C22H44O2     | 000646-13-9 80 |
| 3       |             | Octadecanoic acid, butyl ester      | 340 C22H44O2     | 000123-95-5 74 |
| 4       |             | Butyl myristate                     | 284 C18H36O2     | 000110-36-1 50 |
| 5       |             | Docosanoic acid                     | 340 C22H44O2     | 000112-85-6 42 |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Tridecanoic acid     | 18.17 | 3.4     | ng/ul | 204346   | 4                     | 17.30 | 1208200 | 20.0 |
| Hexadecanoic acid... | 19.60 | 32.3    | ng/ul | 2478560  | 5                     | 21.47 | 1536120 | 20.0 |
| Docosanoic acid      | 20.64 | 29.9    | ng/ul | 2292950  | 5                     | 21.47 | 1536120 | 20.0 |