

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP120621\  
 Data File : BP008233.D  
 Acq On : 06 Dec 2021 17:36  
 Operator : CG/JU  
 Sample : M4927-09  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PH1-BOT-10

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:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP112521.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP008233.D\data.ms

| 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         | 5.381       | 400           | 407         | 425          | rBV      | 1274859        | 1906027       | 45.89%          | 9.304%        |
| 2         | 6.975       | 668           | 678         | 700          | rBV      | 1213660        | 2057707       | 49.54%          | 10.044%       |
| 3         | 7.787       | 807           | 816         | 826          | rBV      | 280433         | 447884        | 10.78%          | 2.186%        |
| 4         | 8.946       | 1006          | 1013        | 1022         | rBV      | 722650         | 1228834       | 29.59%          | 5.998%        |
| 5         | 9.116       | 1036          | 1042        | 1052         | rVB4     | 19968          | 41720         | 1.00%           | 0.204%        |
| 6         | 10.381      | 1249          | 1257        | 1266         | rBV2     | 87945          | 186010        | 4.48%           | 0.908%        |
| 7         | 10.587      | 1284          | 1292        | 1298         | rBV      | 335224         | 585301        | 14.09%          | 2.857%        |
| 8         | 11.475      | 1437          | 1443        | 1453         | rVB4     | 25944          | 54302         | 1.31%           | 0.265%        |
| 9         | 13.057      | 1704          | 1712        | 1724         | rBV      | 1744461        | 2598643       | 62.57%          | 12.684%       |
| 10        | 14.098      | 1882          | 1889        | 1897         | rBV2     | 24356          | 46975         | 1.13%           | 0.229%        |
| 11        | 14.434      | 1940          | 1946        | 1955         | rBV      | 518835         | 783350        | 18.86%          | 3.824%        |
| 12        | 15.933      | 2195          | 2201        | 2210         | rBV      | 1402879        | 2118694       | 51.01%          | 10.342%       |
| 13        | 17.198      | 2409          | 2416        | 2422         | rBV      | 664852         | 971391        | 23.39%          | 4.742%        |
| 14        | 17.880      | 2528          | 2532        | 2536         | rVB      | 93324          | 106913        | 2.57%           | 0.522%        |
| 15        | 18.098      | 2565          | 2569        | 2577         | rBV2     | 126952         | 187861        | 4.52%           | 0.917%        |
| 16        | 19.016      | 2722          | 2725        | 2728         | rVB      | 78768          | 75358         | 1.81%           | 0.368%        |
| 17        | 19.222      | 2757          | 2760        | 2766         | rVV3     | 27224          | 42685         | 1.03%           | 0.208%        |
| 18        | 19.339      | 2777          | 2780        | 2787         | rVB7     | 35034          | 48066         | 1.16%           | 0.235%        |
| 19        | 19.769      | 2848          | 2853        | 2861         | rBV      | 3345204        | 4153444       | 100.00%         | 20.274%       |
| 20        | 21.016      | 3061          | 3065        | 3073         | rBV      | 294538         | 382397        | 9.21%           | 1.867%        |
| 21        | 21.304      | 3109          | 3114        | 3119         | rBV      | 954335         | 1196851       | 28.82%          | 5.842%        |
| 22        | 23.698      | 3515          | 3521        | 3529         | rVB2     | 632235         | 1266418       | 30.49%          | 6.182%        |

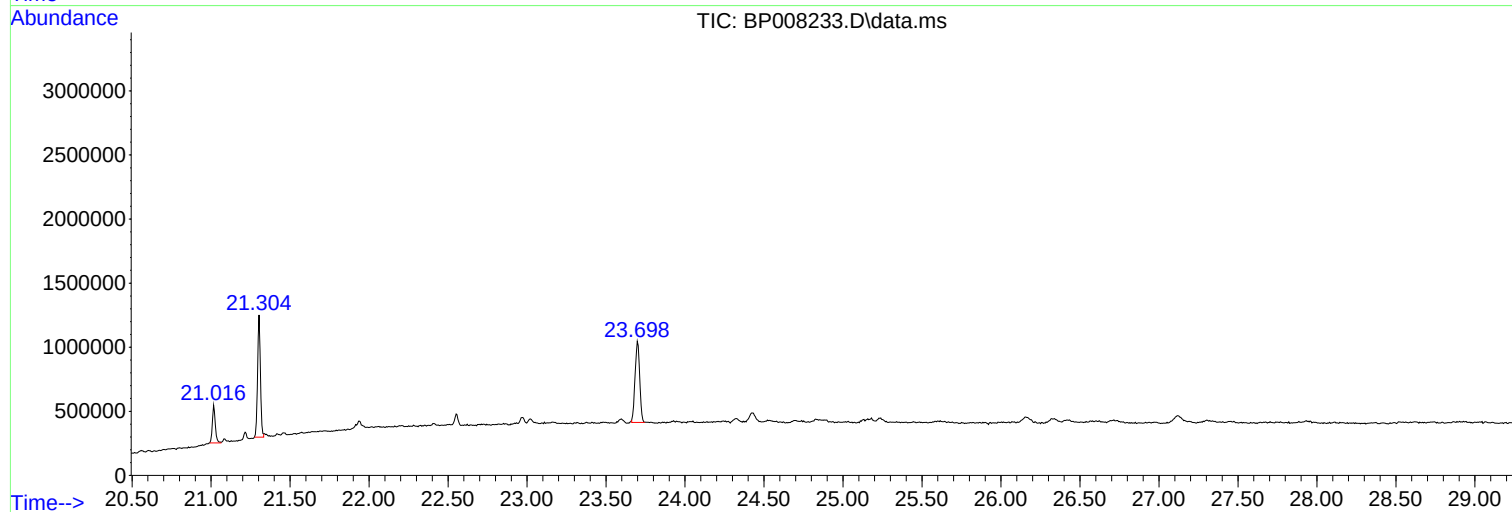
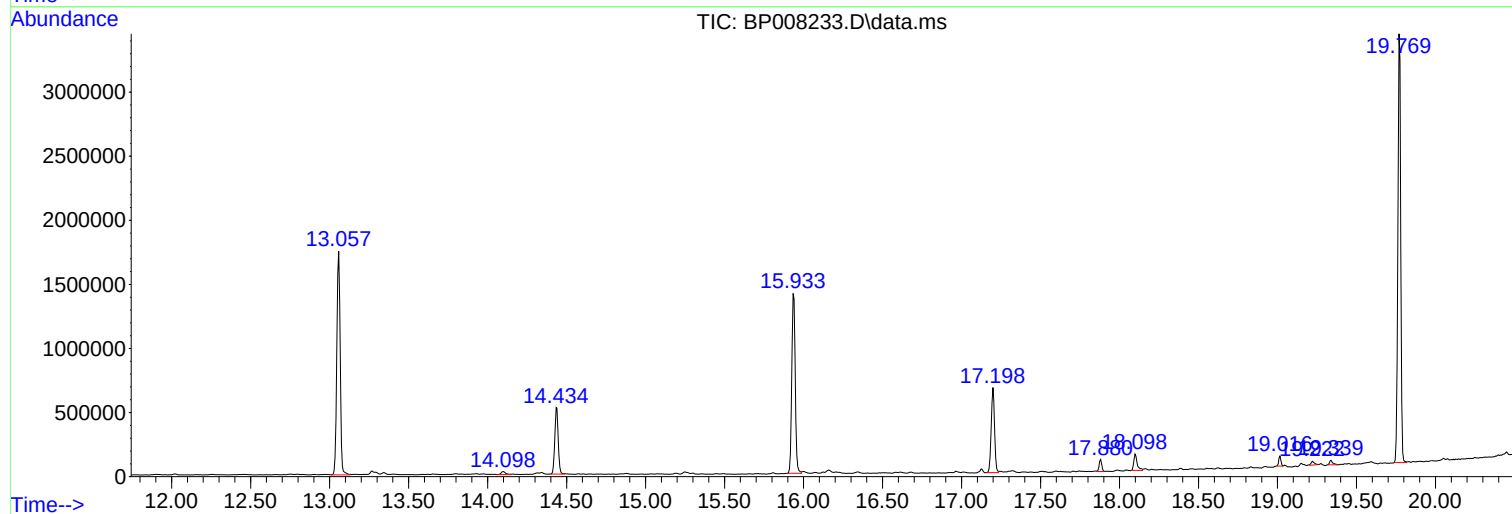
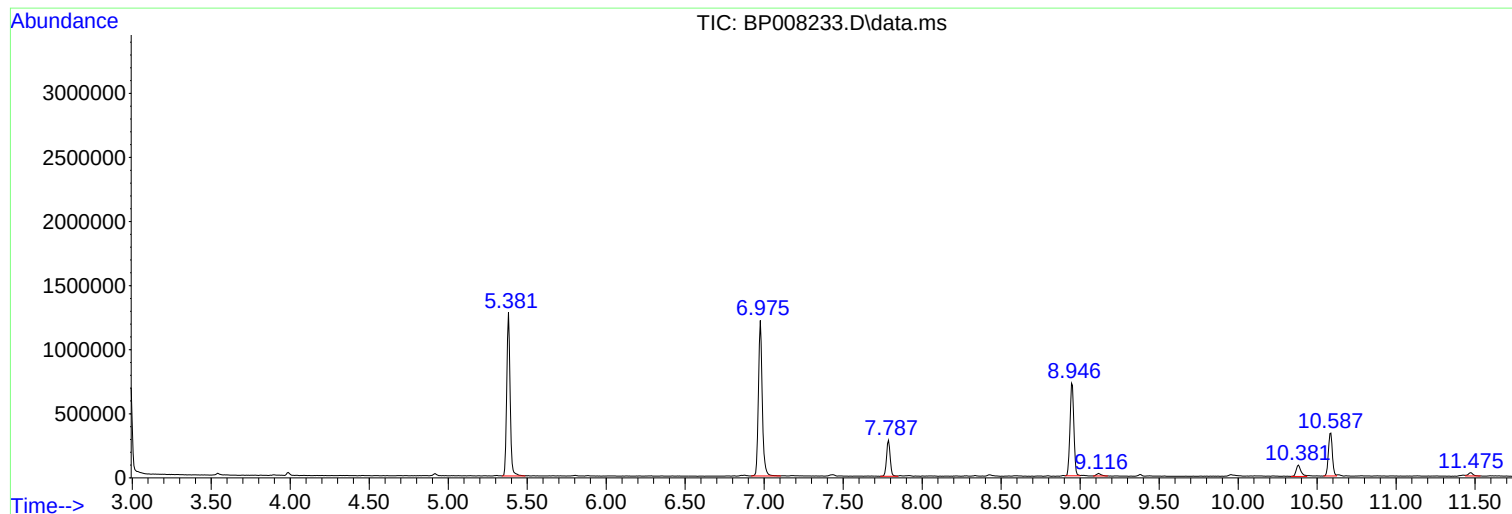
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ClientSampleId :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP112521.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



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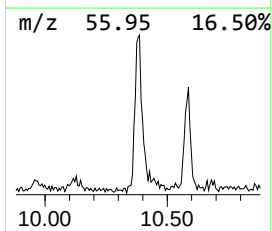
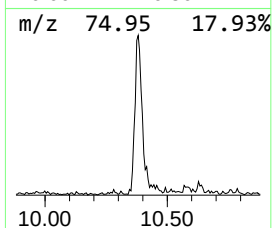
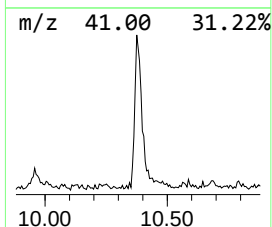
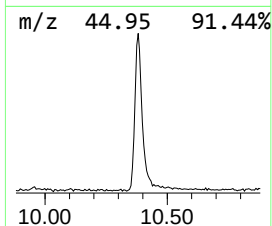
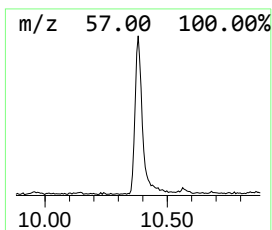
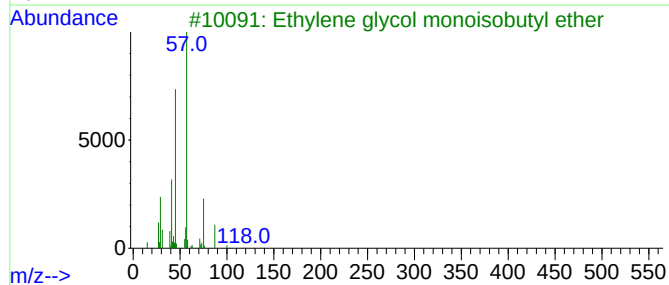
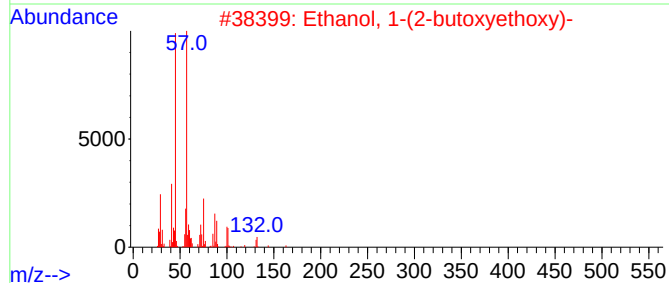
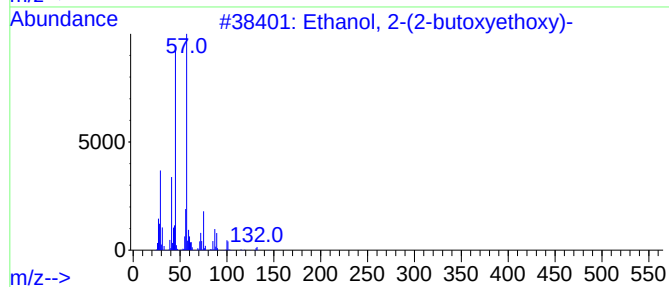
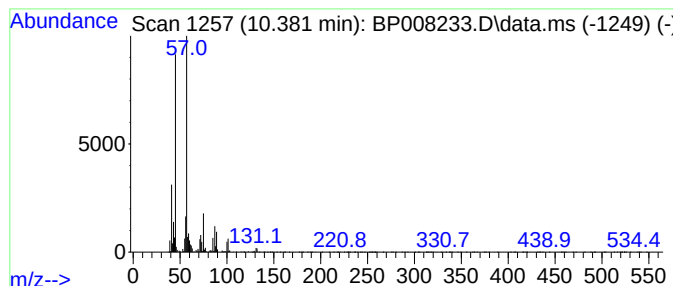
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP112521.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 10.381 | 6.36 ng | 186010 | Naphthalene-d8   | 10.587 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Ethanol, 2-(2-butoxyethoxy)-       | 162 | C8H18O3 | 000112-34-5 | 90   |
| 2    |    |   | Ethanol, 1-(2-butoxyethoxy)-       | 162 | C8H18O3 | 054446-78-5 | 83   |
| 3    |    |   | Ethylene glycol monoisobutyl ether | 118 | C6H14O2 | 004439-24-1 | 72   |
| 4    |    |   | 3,3-Dimethylbutane-2-ol            | 102 | C6H14O  | 000464-07-3 | 53   |
| 5    |    |   | Methoxyacetic acid, butyl ester    | 146 | C7H14O3 | 017640-22-1 | 53   |



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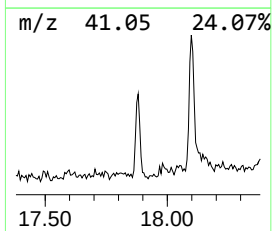
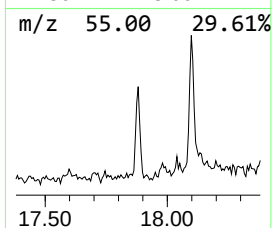
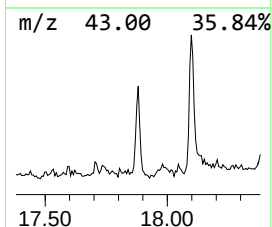
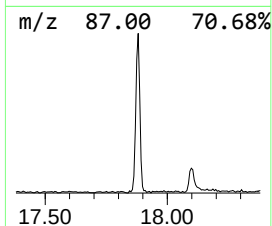
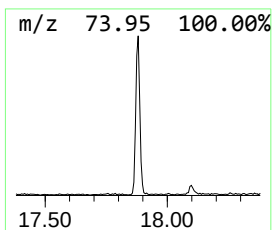
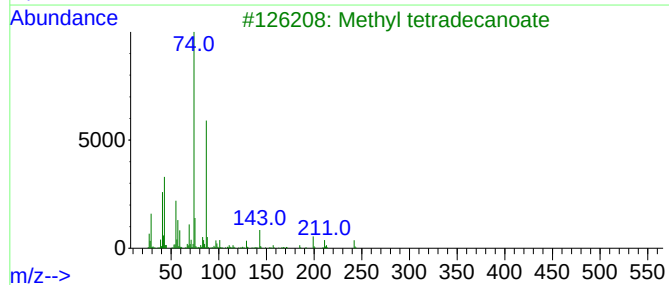
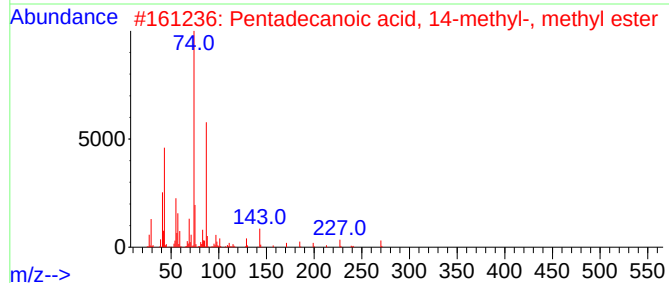
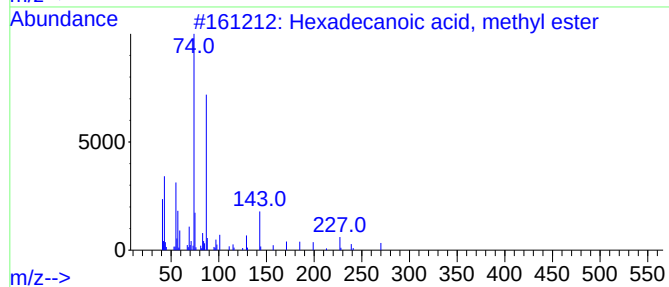
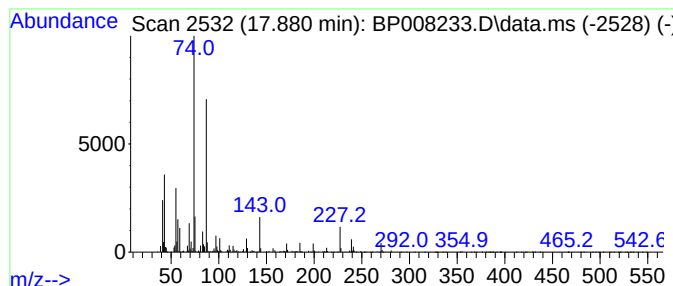
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP112521.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Hexadecanoic acid, methyl e... Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 17.880 | 2.20 ng | 106913 | Phenanthrene-d10 | 17.198 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Hexadecanoic acid, methyl ester     | 270 | C17H34O2 | 000112-39-0 | 98   |
| 2    |    |   | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 96   |
| 3    |    |   | Methyl tetradecanoate               | 242 | C15H30O2 | 000124-10-7 | 90   |
| 4    |    |   | Tridecanoic acid, methyl ester      | 228 | C14H28O2 | 001731-88-0 | 90   |
| 5    |    |   | Tridecanoic acid, 12-methyl-, me... | 242 | C15H30O2 | 005129-58-8 | 83   |



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Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
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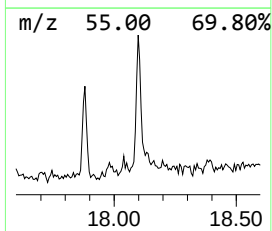
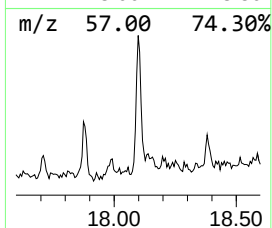
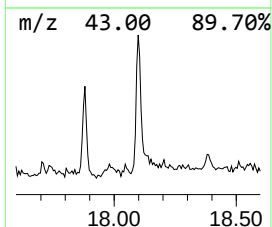
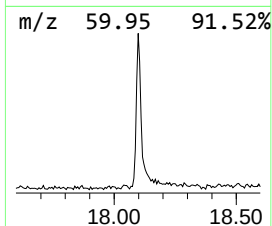
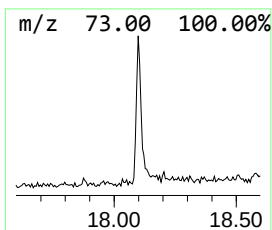
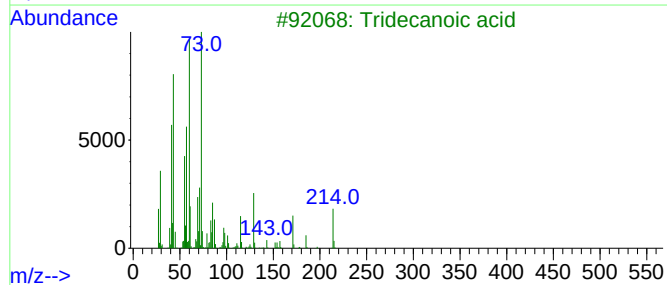
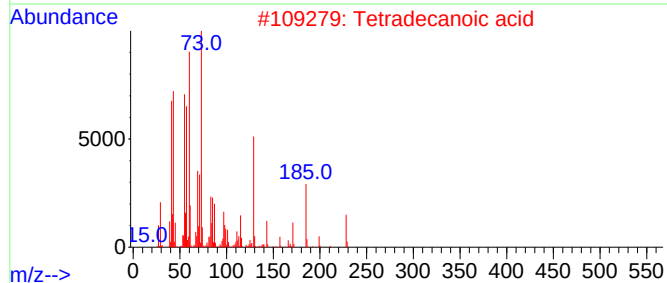
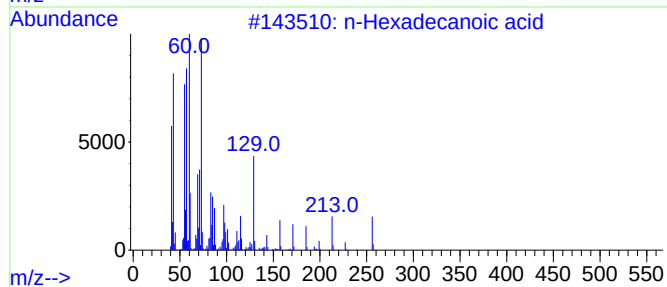
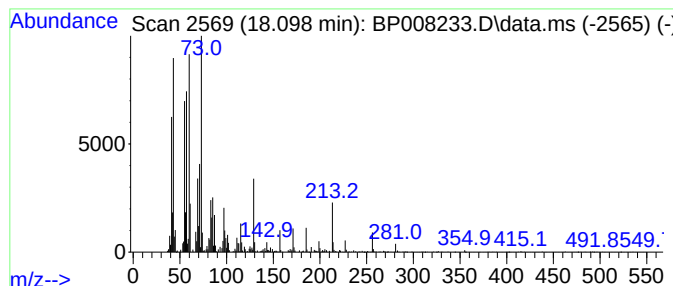
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TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.098 | 3.87 ng | 187861 | Phenanthrene-d10 | 17.198 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98   |
| 2    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 90   |
| 3    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 81   |
| 4    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 76   |
| 5    |    |   | Undecanoic acid     | 186 | C11H22O2 | 000112-37-8 | 64   |



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ClientSampleId :  
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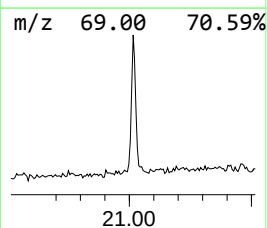
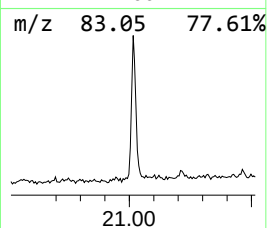
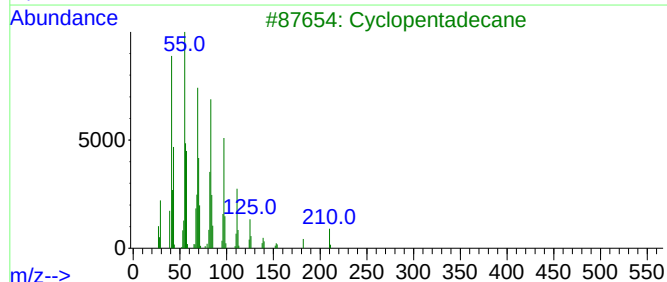
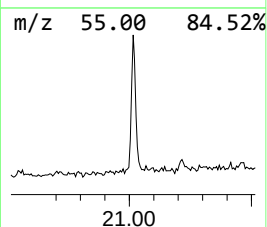
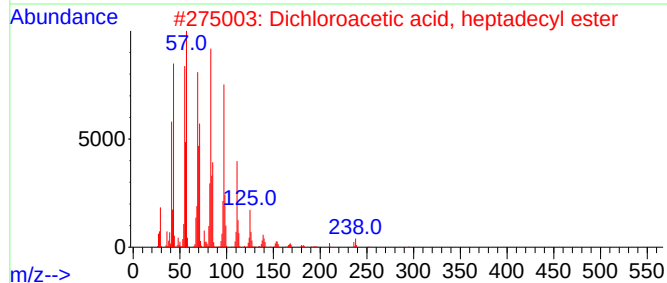
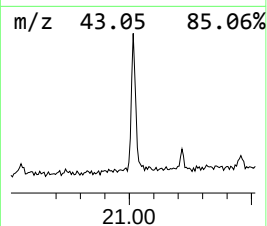
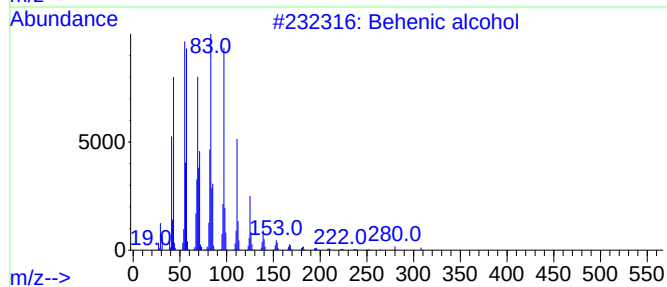
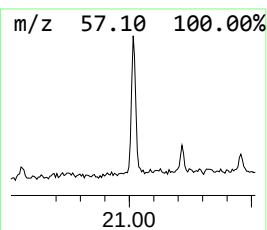
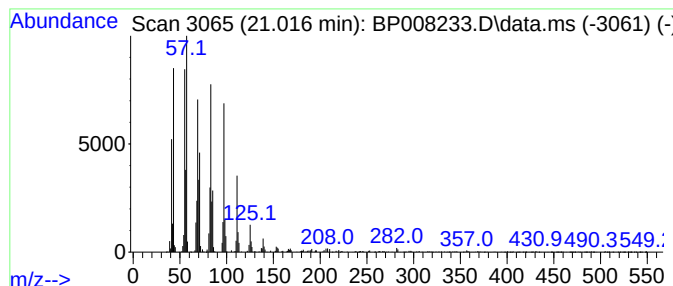
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Peak Number 4 Behenic alcohol Concentration Rank 1

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 21.015 | 6.39 ng | 382397 | Chrysene-d12     | 21.304 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Behenic alcohol                     | 326 | C22H46O     | 000661-19-8  | 94   |
| 2    |    |   | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 94   |
| 3    |    |   | Cyclopentadecane                    | 210 | C15H30      | 000295-48-7  | 93   |
| 4    |    |   | n-Tetracosanol-1                    | 354 | C24H50O     | 000506-51-4  | 91   |
| 5    |    |   | 1-Heneicosyl formate                | 340 | C22H44O2    | 077899-03-7  | 91   |



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| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Ethanol, 2-(2-b... | 10.381 | 6.4     | ng    | 186010   | 2                     | 10.587 | 585301  | 20.0 |
| Hexadecanoic ac... | 17.880 | 2.2     | ng    | 106913   | 4                     | 17.198 | 971391  | 20.0 |
| n-Hexadecanoic ... | 18.098 | 3.9     | ng    | 187861   | 4                     | 17.198 | 971391  | 20.0 |
| Behenic alcohol    | 21.015 | 6.4     | ng    | 382397   | 5                     | 21.304 | 1196850 | 20.0 |