

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091616\  
 Data File : BG024006.D  
 Acq On : 16 Sep 2016 23:10  
 Operator : UM/SJ  
 Sample : H4813-10  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-5

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\_G\METHODS\8270-BG083116.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         | 5.123       | 384           | 389         | 397          | rBV2     | 82689          | 126693        | 2.24%           | 0.534%        |
| 2         | 5.604       | 465           | 471         | 483          | rBV      | 502904         | 869333        | 15.38%          | 3.665%        |
| 3         | 7.226       | 741           | 747         | 761          | rBV      | 340590         | 657006        | 11.62%          | 2.770%        |
| 4         | 7.584       | 800           | 808         | 820          | rBV      | 918835         | 1660185       | 29.36%          | 6.999%        |
| 5         | 8.054       | 882           | 888         | 893          | rBV      | 181580         | 304748        | 5.39%           | 1.285%        |
| 6         | 8.101       | 893           | 896         | 905          | rVB      | 64088          | 111886        | 1.98%           | 0.472%        |
| 7         | 8.377       | 936           | 943         | 954          | rVB      | 775555         | 1372793       | 24.28%          | 5.788%        |
| 8         | 9.235       | 1081          | 1089        | 1101         | rBV      | 751582         | 1394119       | 24.66%          | 5.878%        |
| 9         | 10.891      | 1362          | 1371        | 1382         | rBV      | 239514         | 468827        | 8.29%           | 1.977%        |
| 10        | 13.341      | 1780          | 1788        | 1798         | rBV      | 2068913        | 3225124       | 57.04%          | 13.597%       |
| 11        | 14.175      | 1921          | 1930        | 1935         | rBV      | 89094          | 144976        | 2.56%           | 0.611%        |
| 12        | 14.727      | 2017          | 2024        | 2033         | rVB      | 461031         | 734220        | 12.99%          | 3.095%        |
| 13        | 16.231      | 2273          | 2280        | 2295         | rBV      | 2189063        | 3388385       | 59.93%          | 14.285%       |
| 14        | 17.494      | 2487          | 2495        | 2503         | rBV      | 634216         | 1010259       | 17.87%          | 4.259%        |
| 15        | 18.363      | 2639          | 2643        | 2651         | rBV2     | 75186          | 131760        | 2.33%           | 0.555%        |
| 16        | 19.632      | 2855          | 2859        | 2865         | rBV7     | 74533          | 127753        | 2.26%           | 0.539%        |
| 17        | 20.102      | 2933          | 2939        | 2945         | rBV      | 4376645        | 5654024       | 100.00%         | 23.837%       |
| 18        | 21.800      | 3222          | 3228        | 3238         | rVB      | 716087         | 1210713       | 21.41%          | 5.104%        |
| 19        | 25.142      | 3788          | 3797        | 3808         | rVB2     | 388457         | 1126643       | 19.93%          | 4.750%        |

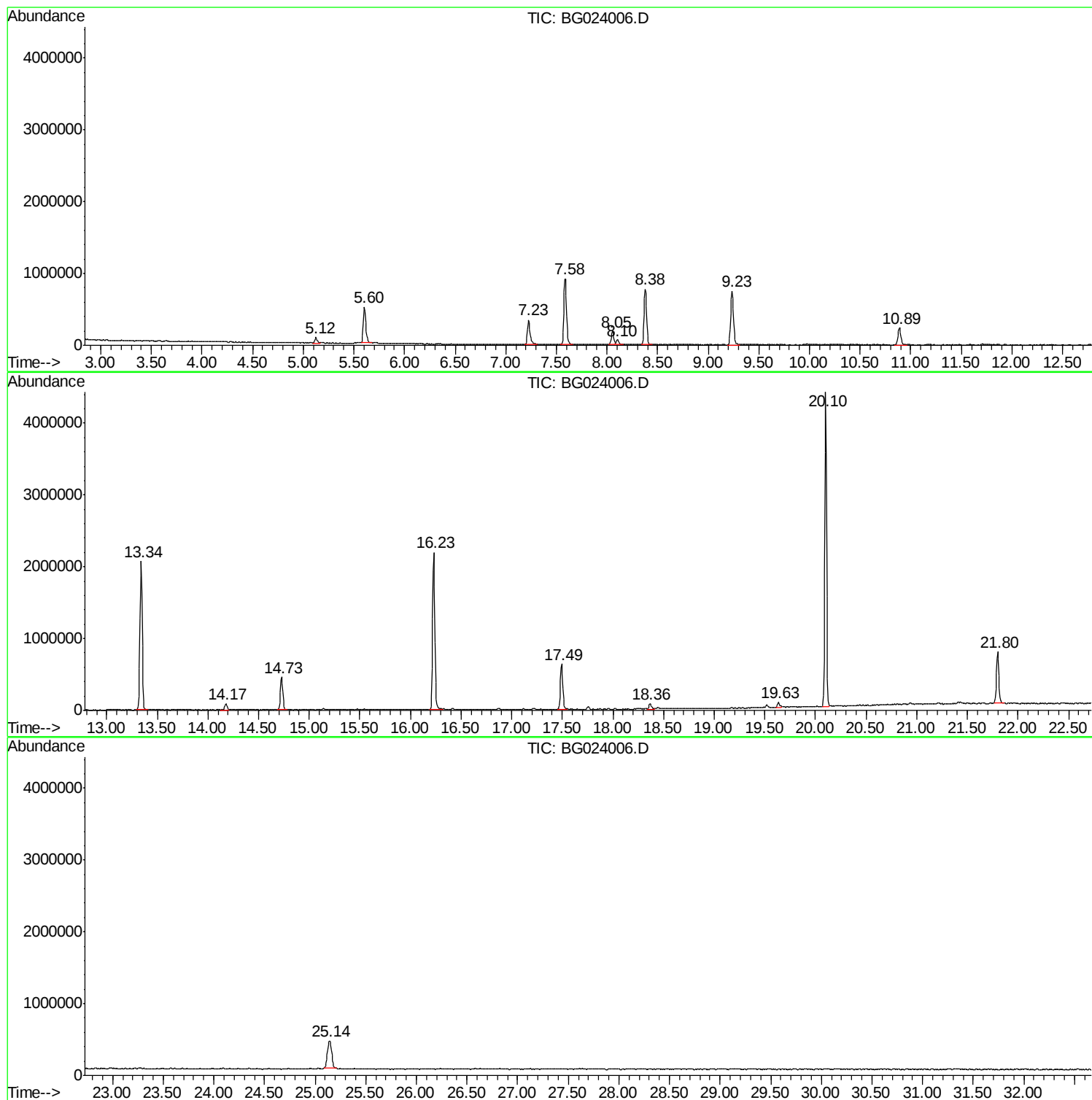
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ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG083116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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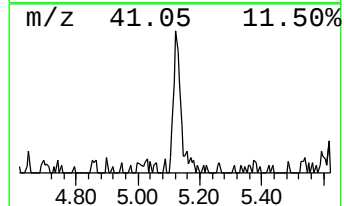
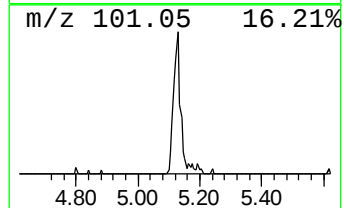
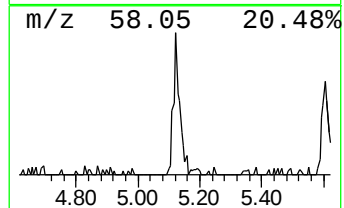
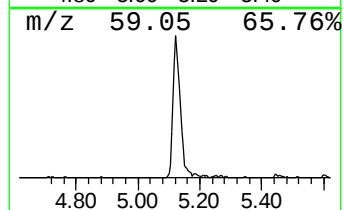
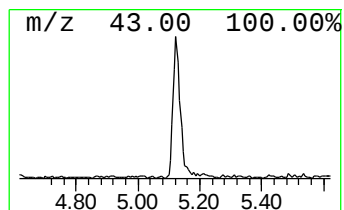
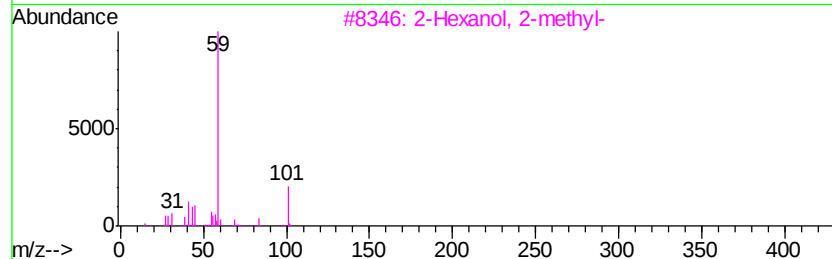
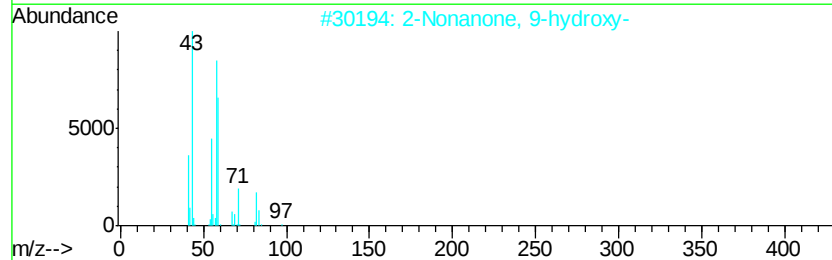
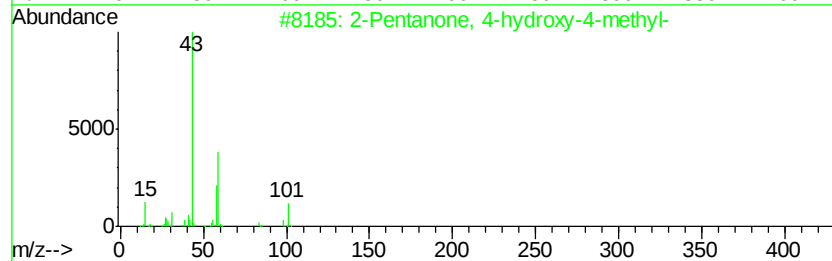
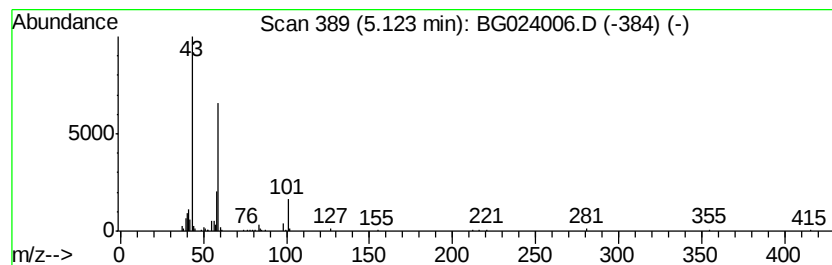
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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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. |
|------|---------|--------|------------------------|------|
| 5.12 | 8.31 ng | 126693 | 1,4-Dichlorobenzene-d4 | 8.05 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 53   |
| 2    |    |   | 2-Nonanone, 9-hydroxy-           | 158 | C9H18O2 | 025368-56-3 | 25   |
| 3    |    |   | 2-Hexanol, 2-methyl-             | 116 | C7H16O  | 000625-23-0 | 25   |
| 4    |    |   | Ethanol, pentamethyl-            | 116 | C7H16O  | 000594-83-2 | 23   |
| 5    |    |   | 3-Octanol                        | 130 | C8H18O  | 000589-98-0 | 23   |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

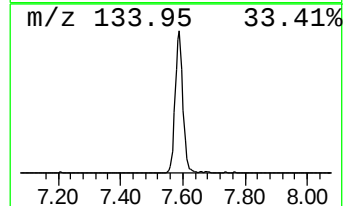
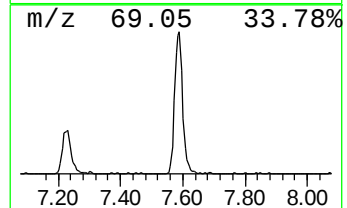
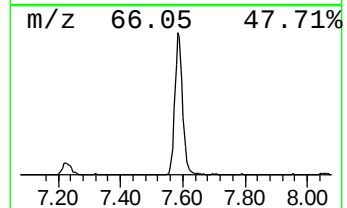
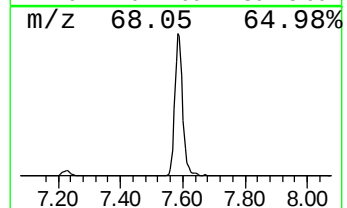
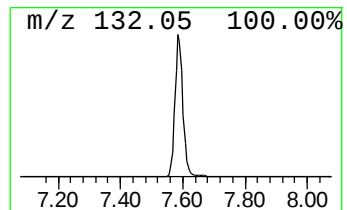
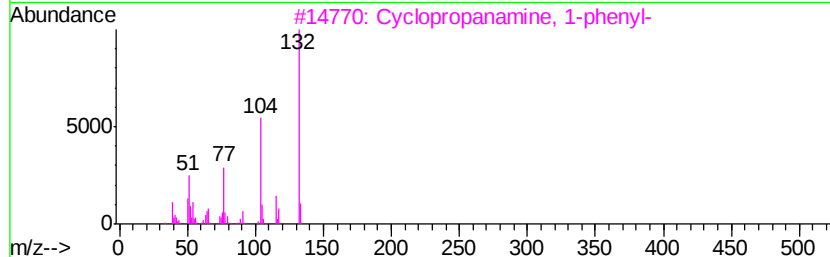
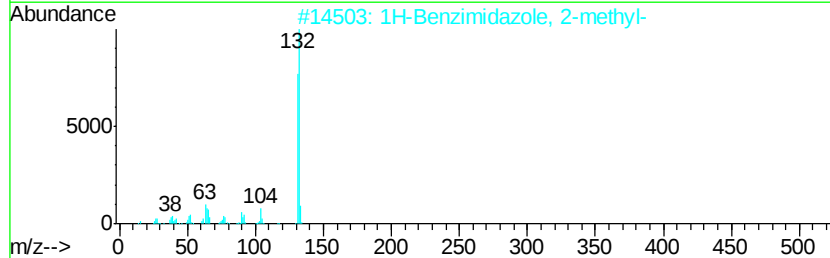
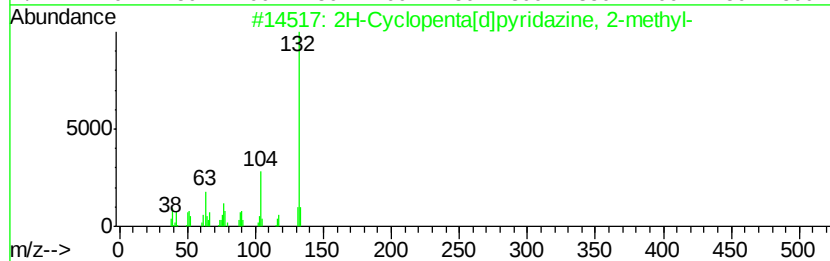
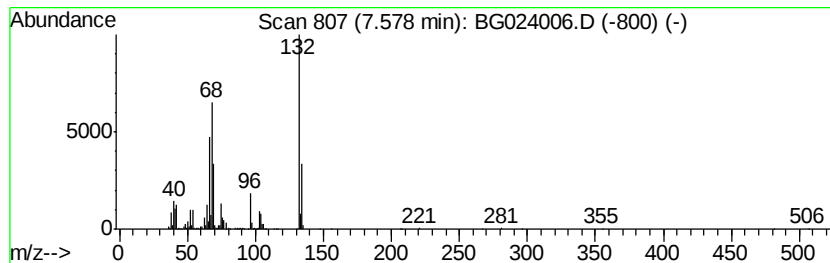
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown7.58 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.58 | 108.96 ng | 1660190 | 1,4-Dichlorobenzene-d4 | 8.05 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2  | 022291-85-6  | 14   |
| 2    |    | 1H-Benzimidazole, 2-methyl-         | 132 | C8H8N2  | 000615-15-6  | 10   |
| 3    |    | Cyclopropanamine, 1-phenyl-         | 133 | C9H11N  | 1000351-26-2 | 10   |
| 4    |    | 3H-1,2-Dithiol-3-one, 5-methyl-     | 132 | C4H4OS2 | 003620-08-4  | 9    |
| 5    |    | 1,3,5-Trifluorobenzene              | 132 | C6H3F3  | 000372-38-3  | 9    |



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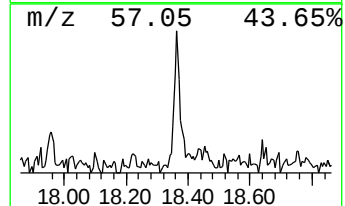
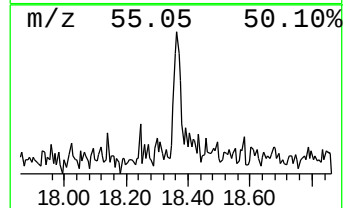
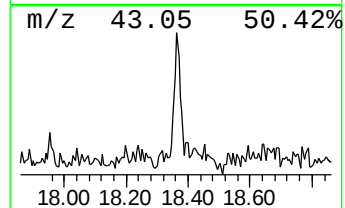
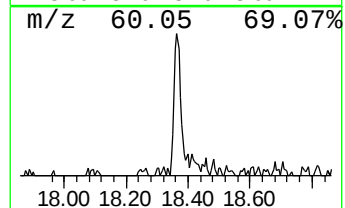
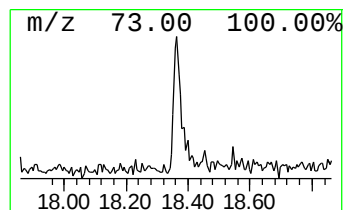
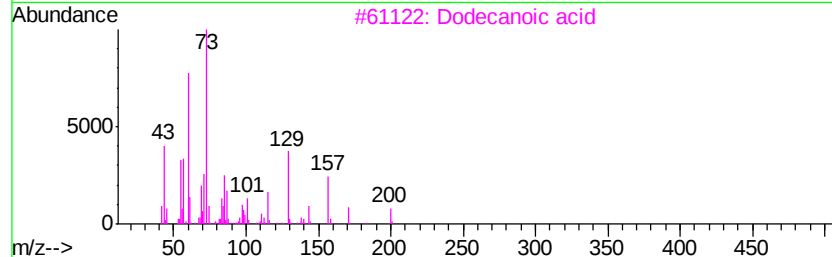
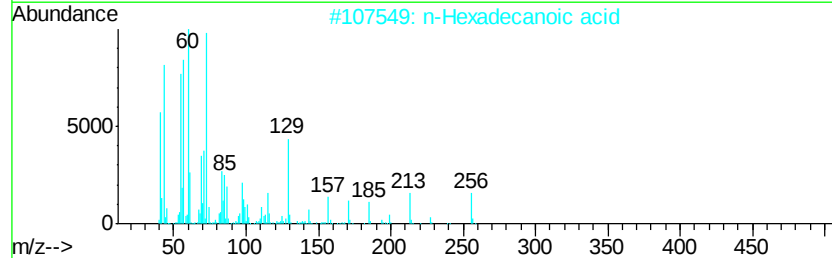
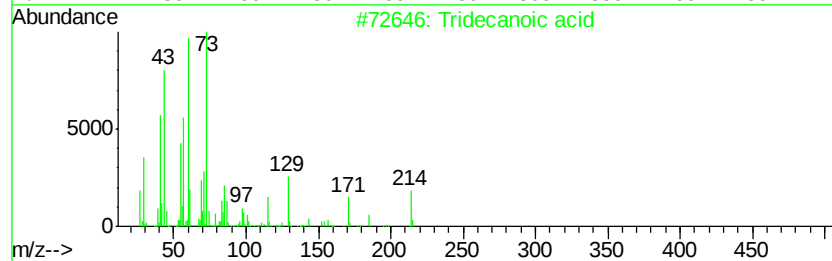
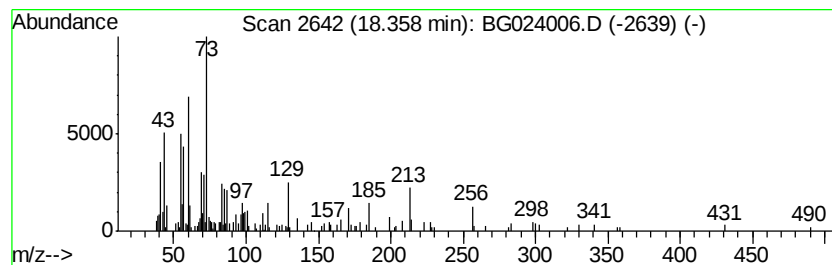
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Tridecanoic acid Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 18.36 | 2.61 ng | 131760 | Phenanthrene-d10 | 17.49 |

| Hit# of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|---------|---|---------------------|-----|----------|-------------|------|
| 1       |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 93   |
| 2       |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 91   |
| 3       |   | Dodecanoic acid     | 200 | C12H24O2 | 000143-07-7 | 59   |
| 4       |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 53   |
| 5       |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 50   |



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Instrument :  
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ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG083116.M  
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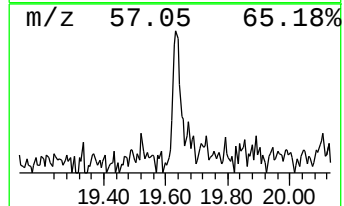
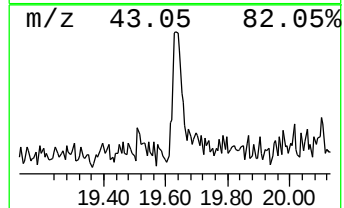
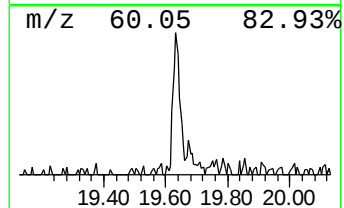
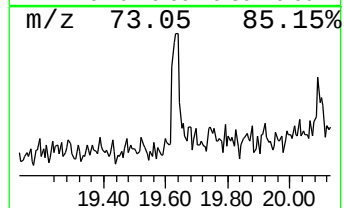
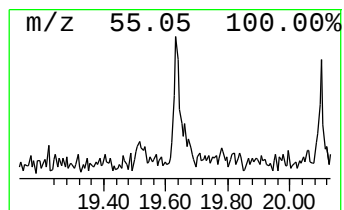
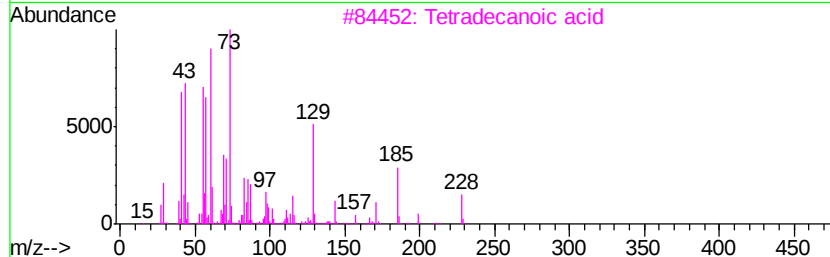
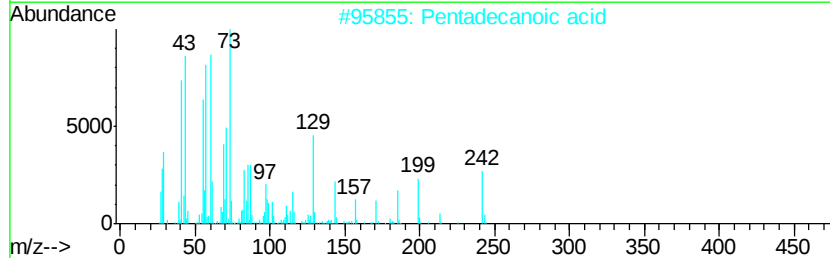
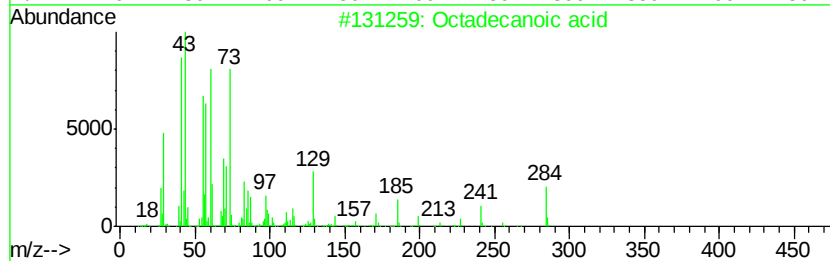
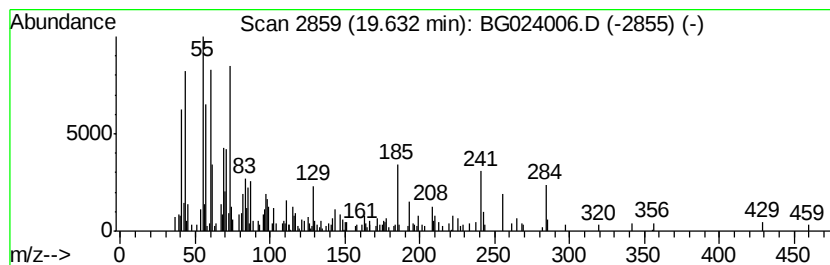
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Octadecanoic acid Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 19.63 | 2.53 ng | 127753 | Phenanthrene-d10 | 17.49 |

| Hit# of | 5 | Tentative ID       | MW  | MolForm  | CAS#        | Qual |
|---------|---|--------------------|-----|----------|-------------|------|
| 1       |   | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 95   |
| 2       |   | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 92   |
| 3       |   | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 50   |
| 4       |   | Tridecanoic acid   | 214 | C13H26O2 | 000638-53-9 | 47   |
| 5       |   | Undecanoic acid    | 186 | C11H22O2 | 000112-37-8 | 38   |



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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pentanone, 4-hy... | 5.12  | 8.3     | ng    | 126693   | 1                     | 8.05  | 304748  | 20.0 |
| unknown7.58          | 7.58  | 109.0   | ng    | 1660190  | 1                     | 8.05  | 304748  | 20.0 |
| Tridecanoic acid     | 18.36 | 2.6     | ng    | 131760   | 4                     | 17.49 | 1010260 | 20.0 |
| Octadecanoic acid    | 19.63 | 2.5     | ng    | 127753   | 4                     | 17.49 | 1010260 | 20.0 |