

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF110615\  
 Data File : BF082731.D  
 Acq On : 5 Nov 2015 16:06  
 Operator : UM/IZ  
 Sample : G4261-06  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-4

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-BF103015.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         | 5.047       | 256           | 259         | 267          | rVB      | 1422119        | 2402056       | 45.18%          | 5.152%        |
| 2         | 5.470       | 293           | 296         | 299          | rBV      | 4142824        | 4415342       | 83.04%          | 9.471%        |
| 3         | 6.499       | 383           | 386         | 388          | rBV      | 4490805        | 4742290       | 89.19%          | 10.172%       |
| 4         | 6.636       | 395           | 398         | 400          | rBV      | 5284724        | 5305993       | 99.80%          | 11.381%       |
| 5         | 6.865       | 416           | 418         | 420          | rBV      | 1198560        | 972496        | 18.29%          | 2.086%        |
| 6         | 7.025       | 429           | 432         | 434          | rBV      | 4416806        | 4010374       | 75.43%          | 8.602%        |
| 7         | 7.425       | 464           | 467         | 470          | rBV      | 2804432        | 3005222       | 56.52%          | 6.446%        |
| 8         | 8.145       | 528           | 530         | 533          | rBV      | 898506         | 1120279       | 21.07%          | 2.403%        |
| 9         | 9.230       | 622           | 625         | 627          | rBV      | 5836019        | 5316851       | 100.00%         | 11.404%       |
| 10        | 9.619       | 657           | 659         | 662          | rBV      | 1242551        | 1050572       | 19.76%          | 2.253%        |
| 11        | 9.905       | 681           | 684         | 686          | rBV      | 1578796        | 1342098       | 25.24%          | 2.879%        |
| 12        | 10.328      | 718           | 721         | 722          | rBV      | 163355         | 178881        | 3.36%           | 0.384%        |
| 13        | 10.693      | 750           | 753         | 755          | rBV      | 3786054        | 3743917       | 70.42%          | 8.031%        |
| 14        | 11.391      | 811           | 814         | 816          | rBV      | 1082299        | 1386655       | 26.08%          | 2.974%        |
| 15        | 11.928      | 859           | 861         | 863          | rBV      | 119119         | 182169        | 3.43%           | 0.391%        |
| 16        | 12.591      | 917           | 919         | 921          | rBV      | 173005         | 177815        | 3.34%           | 0.381%        |
| 17        | 12.705      | 927           | 929         | 932          | rBV3     | 41065          | 58274         | 1.10%           | 0.125%        |
| 18        | 12.819      | 935           | 939         | 941          | rVV2     | 130459         | 160534        | 3.02%           | 0.344%        |
| 19        | 12.979      | 950           | 953         | 955          | rVB      | 4811343        | 4856953       | 91.35%          | 10.418%       |
| 20        | 13.882      | 1029          | 1032        | 1036         | rBV      | 131288         | 244862        | 4.61%           | 0.525%        |
| 21        | 14.020      | 1041          | 1044        | 1048         | rBV      | 1128804        | 1169921       | 22.00%          | 2.509%        |
| 22        | 15.460      | 1167          | 1170        | 1173         | rVB      | 609951         | 777653        | 14.63%          | 1.668%        |

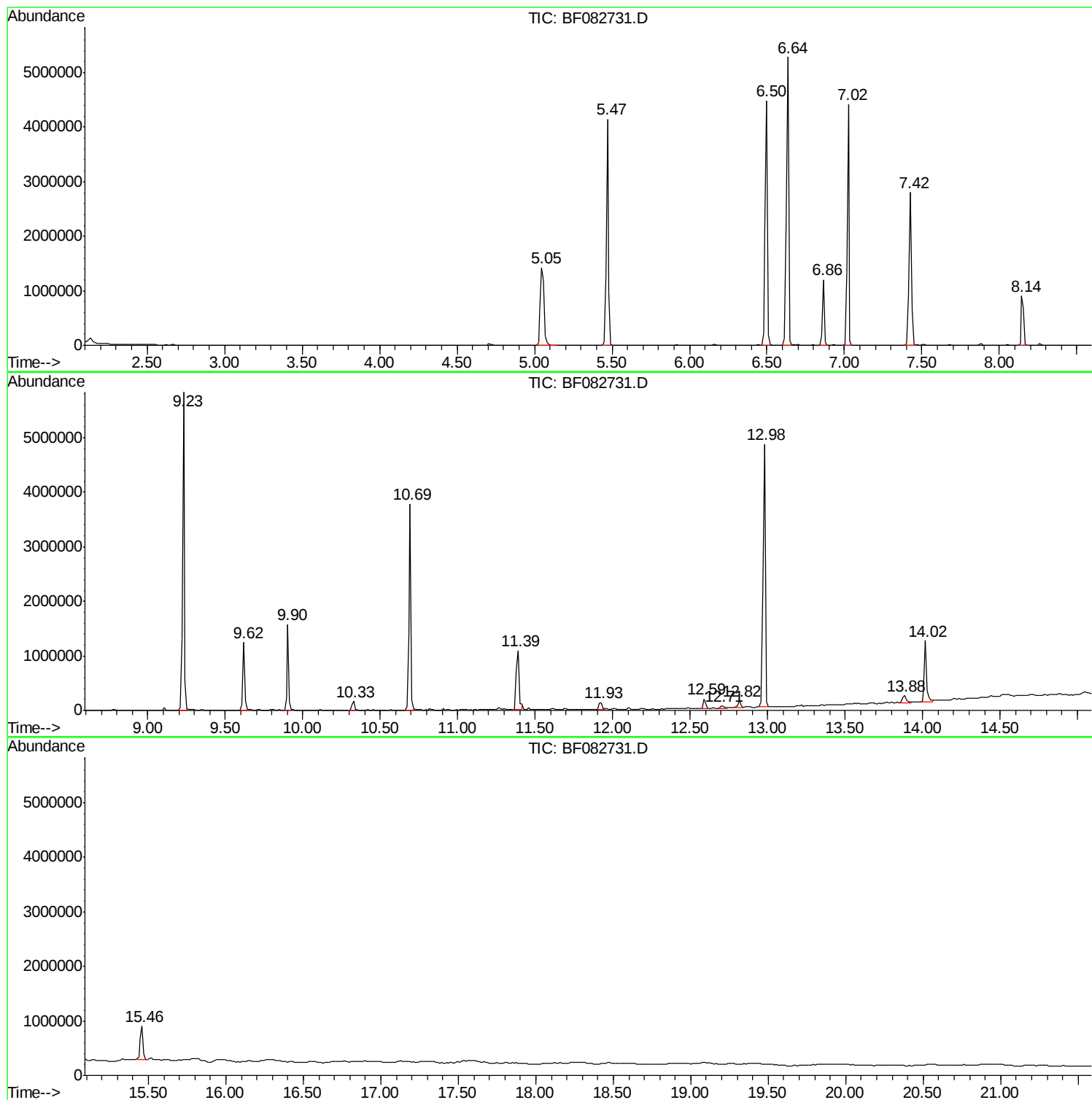
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ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF103015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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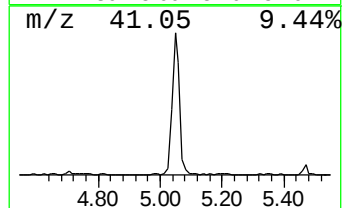
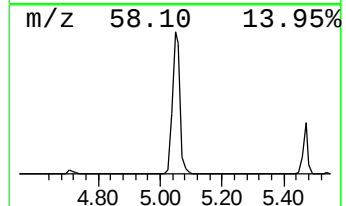
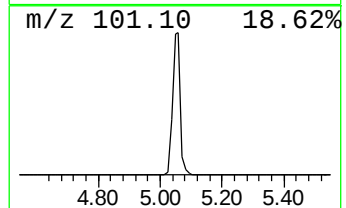
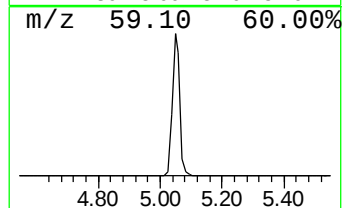
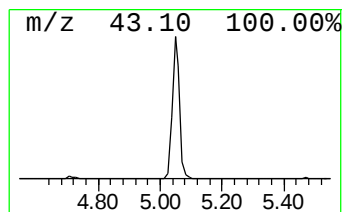
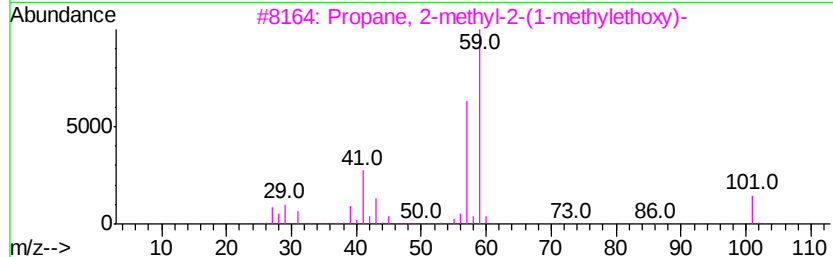
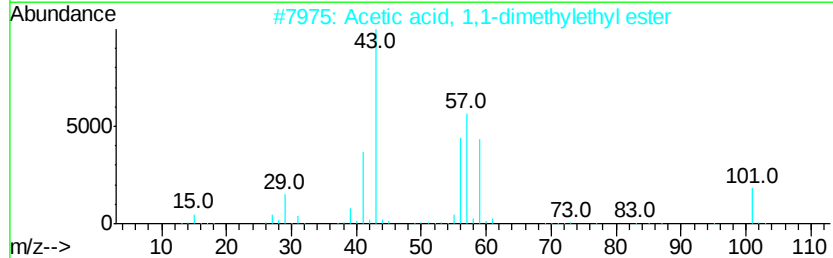
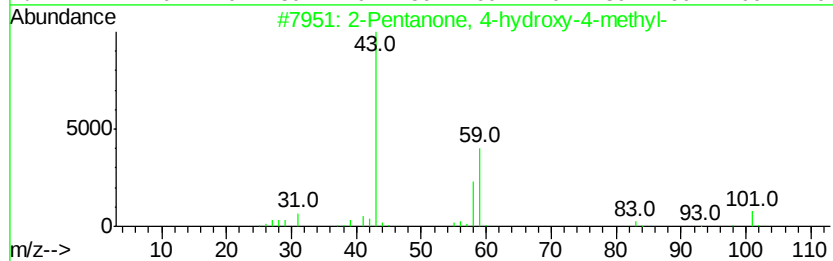
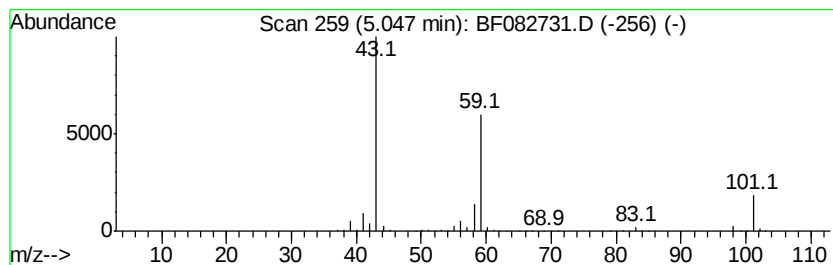
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.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. |
|------|----------|---------|------------------------|------|
| 5.05 | 49.40 ng | 2402060 | 1,4-Dichlorobenzene-d4 | 6.86 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 50   |
| 2    |    |   | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2  | 000540-88-5 | 39   |
| 3    |    |   | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O   | 017348-59-3 | 33   |
| 4    |    |   | 3-Hexanol, 4-methyl-                | 116 | C7H16O   | 000615-29-2 | 33   |
| 5    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25   |



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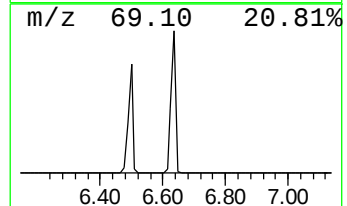
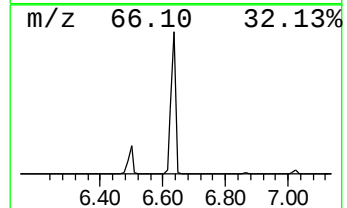
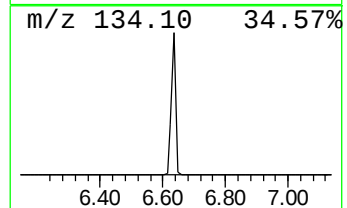
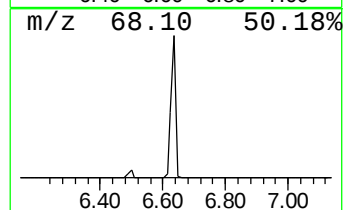
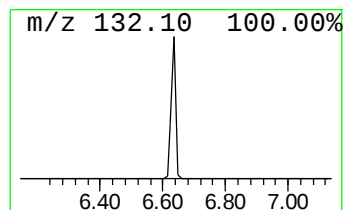
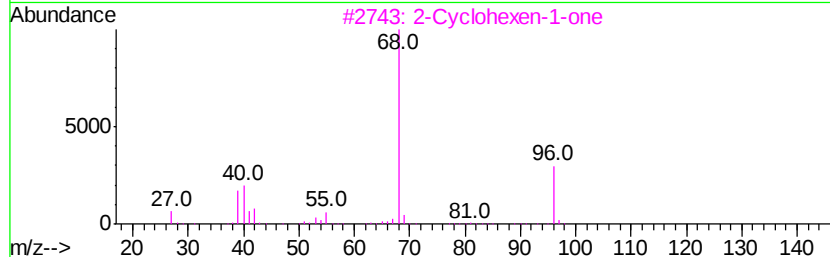
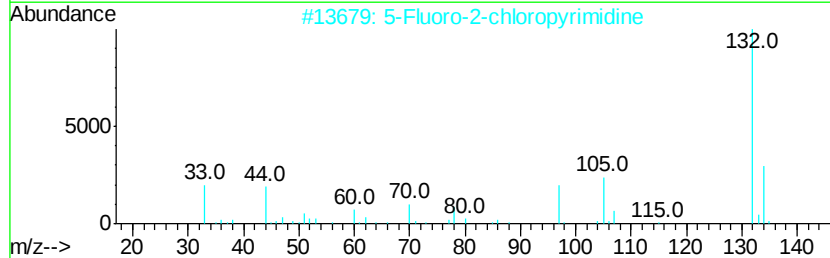
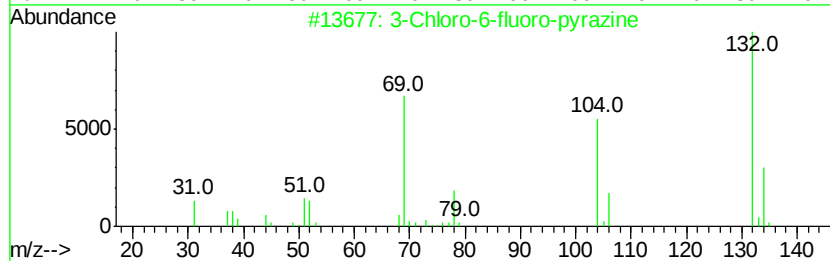
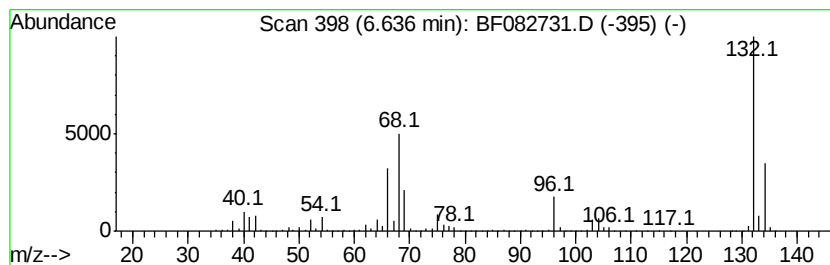
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown6.64 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 6.64 | 109.12 ng | 5305990 | 1,4-Dichlorobenzene-d4 | 6.86 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 16   |
| 3    |    | 2-Cyclohexen-1-one               | 96  | C6H8O     | 000930-68-7  | 10   |
| 4    |    | (5-METHYL-2-PYRIDYL)ACETONITRILE | 132 | C8H8N2    | 1000241-93-9 | 10   |
| 5    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 10   |



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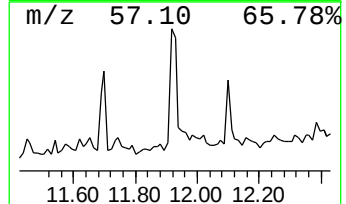
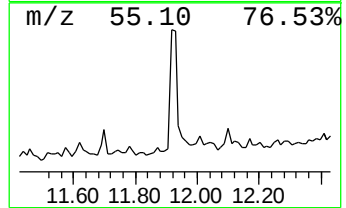
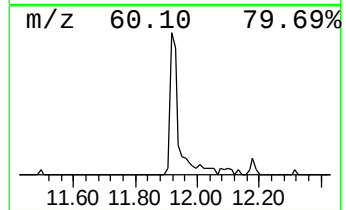
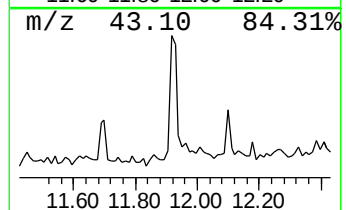
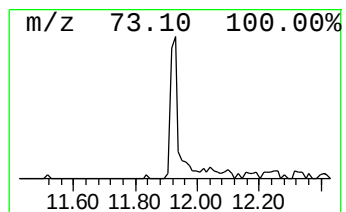
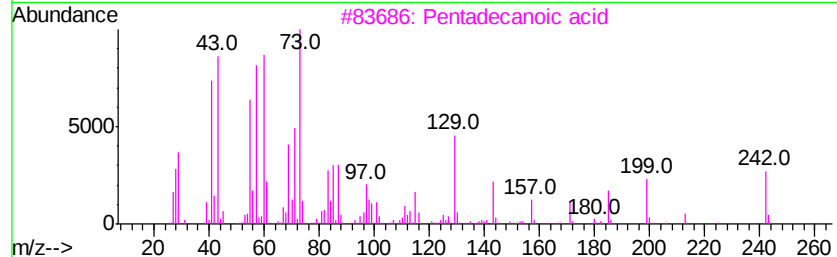
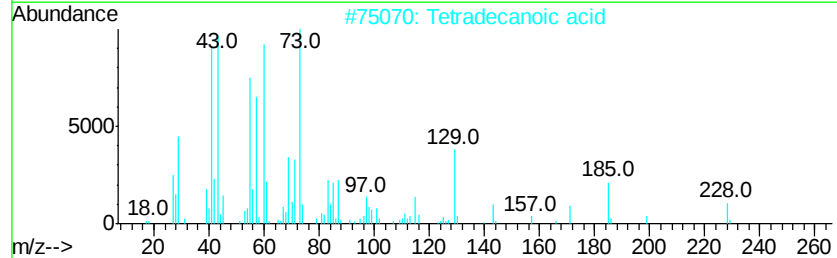
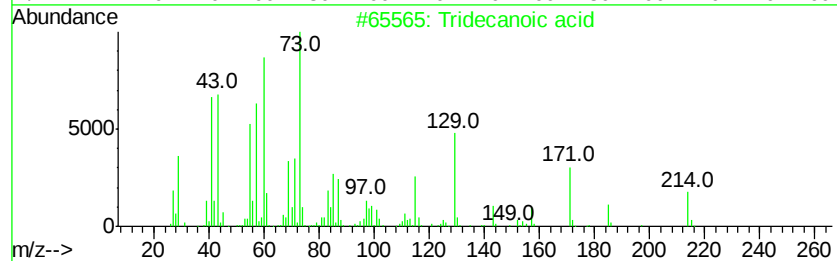
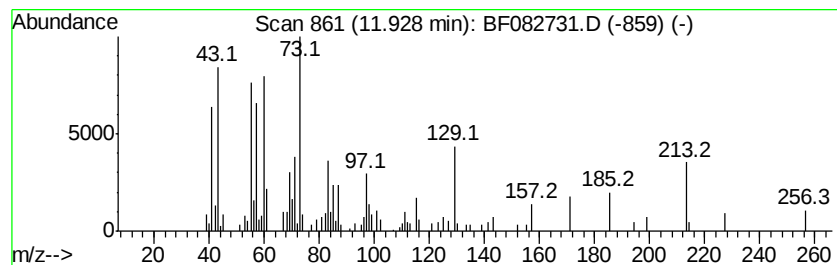
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Tridecanoic acid Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.93 | 2.63 ng | 182169 | Phenanthrene-d10 | 11.39 |

| Hit# of 5 | Tentative ID       | MW  | MolForm  | CAS#        | Qual |
|-----------|--------------------|-----|----------|-------------|------|
| 1         | Tridecanoic acid   | 214 | C13H26O2 | 000638-53-9 | 89   |
| 2         | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 86   |
| 3         | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 80   |
| 4         | Dodecane           | 170 | C12H26   | 000112-40-3 | 11   |
| 5         | Tridecane          | 184 | C13H28   | 000629-50-5 | 11   |



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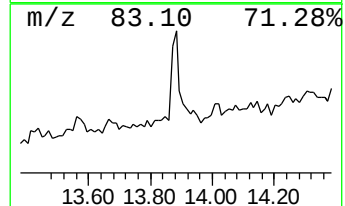
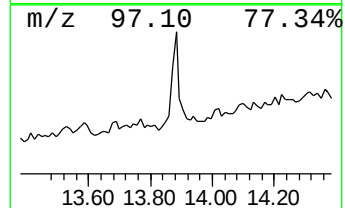
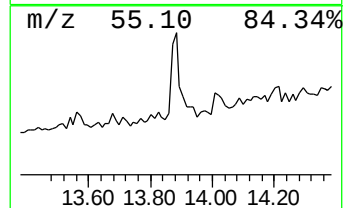
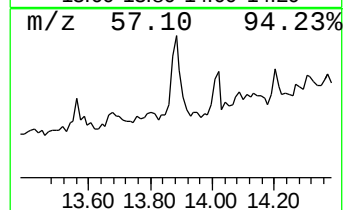
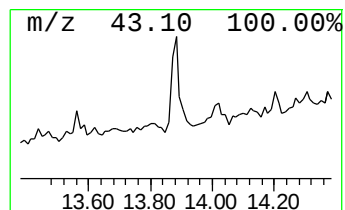
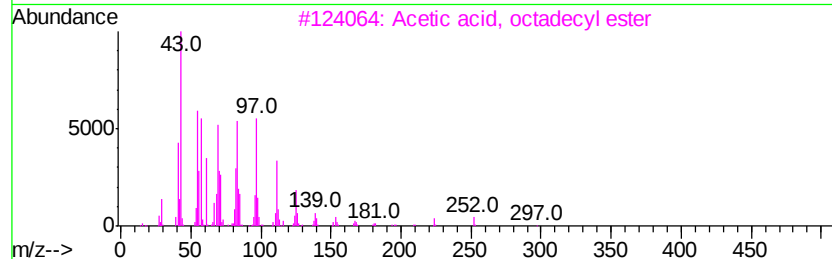
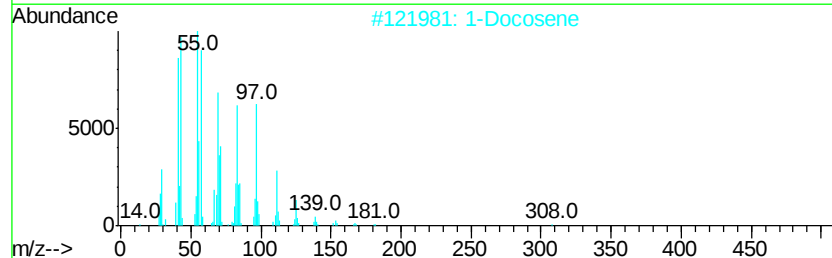
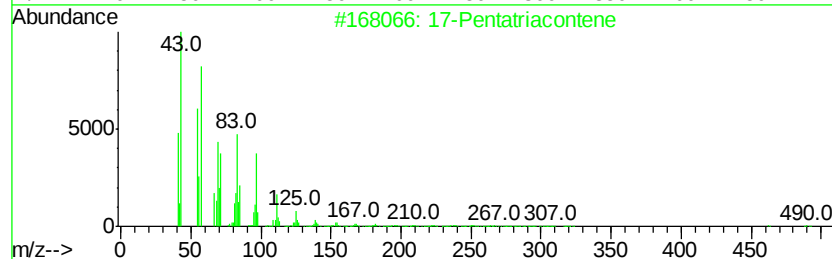
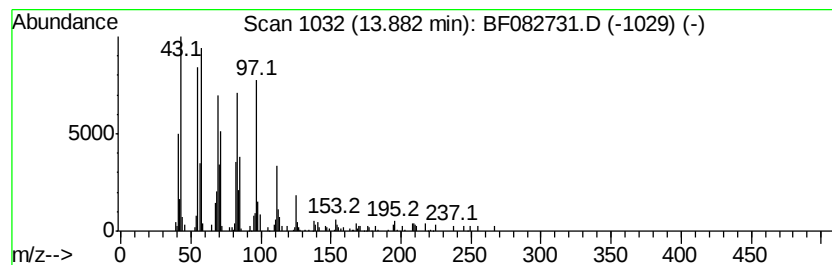
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Peak Number 5 17-Pentatriacontene Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.88 | 4.19 ng | 244862 | Chrysene-d12     | 14.02 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|---------|---|-------------------------------------|-----|------------|--------------|------|
| 1       |   | 17-Pentatriacontene                 | 491 | C35H70     | 006971-40-0  | 91   |
| 2       |   | 1-Docosene                          | 308 | C22H44     | 001599-67-3  | 87   |
| 3       |   | Acetic acid, octadecyl ester        | 312 | C20H40O2   | 000822-23-1  | 74   |
| 4       |   | Bromoacetic acid, octadecyl ester   | 390 | C20H39BrO2 | 018992-03-5  | 70   |
| 5       |   | Pentafluoropropionic acid, hepta... | 402 | C20H35F5O2 | 1000283-04-2 | 68   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pentanone, 4-hy... | 5.05  | 49.4    | ng    | 2402060  | 1                     | 6.86  | 972496  | 20.0 |
| unknown6.64          | 6.64  | 109.1   | ng    | 5305990  | 1                     | 6.86  | 972496  | 20.0 |
| Tridecanoic acid     | 11.93 | 2.6     | ng    | 182169   | 4                     | 11.39 | 1386660 | 20.0 |
| 17-Pentatriacontene  | 13.88 | 4.2     | ng    | 244862   | 5                     | 14.02 | 1169920 | 20.0 |