

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110816\  
 Data File : BF091097.D  
 Acq On : 8 Nov 2016 22:12  
 Operator : UM/SJ  
 Sample : H5537-07  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 V001-BF014-01

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0  
 Filtering: 5  
 Min Area: 3 % 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\_F\METHODS\8270-BF110316.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         | 1.755       | 4             | 6           | 64           | rVB      | 3709929        | 9872829       | 100.00%         | 18.549%       |
| 2         | 4.807       | 270           | 273         | 284          | rBV      | 670762         | 1049745       | 10.63%          | 1.972%        |
| 3         | 5.253       | 309           | 312         | 315          | rBV      | 3862191        | 4086309       | 41.39%          | 7.677%        |
| 4         | 6.316       | 402           | 405         | 408          | rBV      | 3698846        | 4490894       | 45.49%          | 8.437%        |
| 5         | 6.430       | 413           | 415         | 418          | rBV      | 4404078        | 4396670       | 44.53%          | 8.260%        |
| 6         | 6.659       | 433           | 435         | 446          | rBV      | 1156753        | 1163718       | 11.79%          | 2.186%        |
| 7         | 6.819       | 446           | 449         | 451          | rBV      | 3482186        | 3672170       | 37.19%          | 6.899%        |
| 8         | 7.230       | 483           | 485         | 502          | rBV      | 2789676        | 2938020       | 29.76%          | 5.520%        |
| 9         | 7.950       | 545           | 548         | 550          | rBV      | 1384285        | 1492500       | 15.12%          | 2.804%        |
| 10        | 9.025       | 639           | 642         | 645          | rBV      | 5001735        | 4571953       | 46.31%          | 8.590%        |
| 11        | 9.425       | 675           | 677         | 681          | rVB      | 230385         | 216476        | 2.19%           | 0.407%        |
| 12        | 9.699       | 698           | 701         | 703          | rBV      | 1582130        | 1713754       | 17.36%          | 3.220%        |
| 13        | 10.488      | 767           | 770         | 772          | rBV      | 3002004        | 3146250       | 31.87%          | 5.911%        |
| 14        | 10.613      | 779           | 781         | 785          | rVB      | 158506         | 200167        | 2.03%           | 0.376%        |
| 15        | 11.059      | 816           | 820         | 821          | rBV2     | 103882         | 120119        | 1.22%           | 0.226%        |
| 16        | 11.174      | 828           | 830         | 832          | rBV      | 1852390        | 1732957       | 17.55%          | 3.256%        |
| 17        | 12.385      | 934           | 936         | 938          | rBV      | 268694         | 331128        | 3.35%           | 0.622%        |
| 18        | 12.602      | 953           | 955         | 958          | rBV      | 265375         | 335611        | 3.40%           | 0.631%        |
| 19        | 12.762      | 966           | 969         | 971          | rBV      | 4664483        | 4457817       | 45.15%          | 8.375%        |
| 20        | 13.665      | 1046          | 1048        | 1052         | rVB      | 278056         | 310694        | 3.15%           | 0.584%        |
| 21        | 13.802      | 1057          | 1060        | 1067         | rBV      | 1343054        | 1513827       | 15.33%          | 2.844%        |
| 22        | 14.294      | 1101          | 1103        | 1108         | rVB2     | 70823          | 119181        | 1.21%           | 0.224%        |
| 23        | 14.808      | 1145          | 1148        | 1152         | rBV      | 105059         | 215343        | 2.18%           | 0.405%        |
| 24        | 15.128      | 1173          | 1176        | 1178         | rBV      | 80094          | 108119        | 1.10%           | 0.203%        |
| 25        | 15.174      | 1178          | 1180        | 1183         | rBV      | 713274         | 970578        | 9.83%           | 1.823%        |

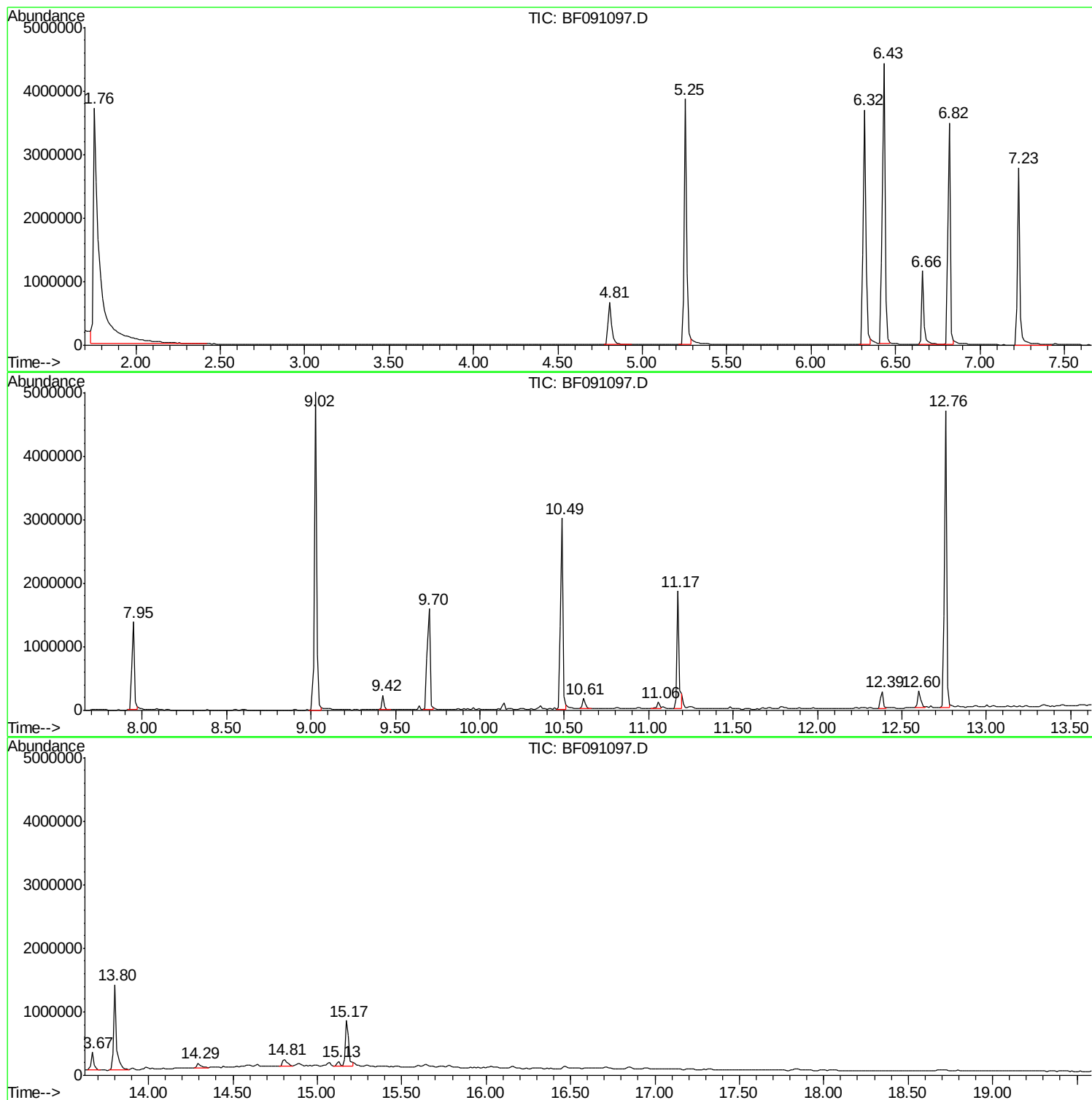
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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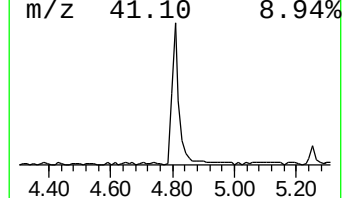
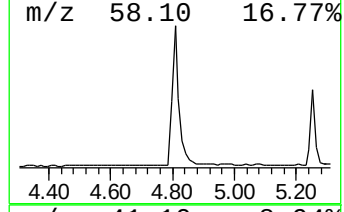
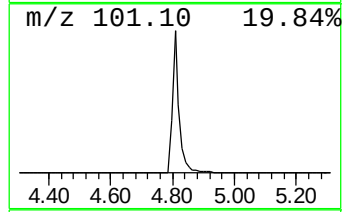
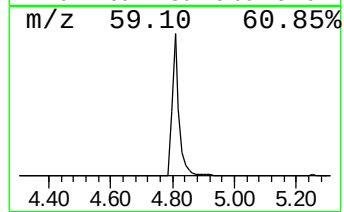
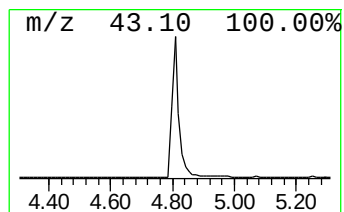
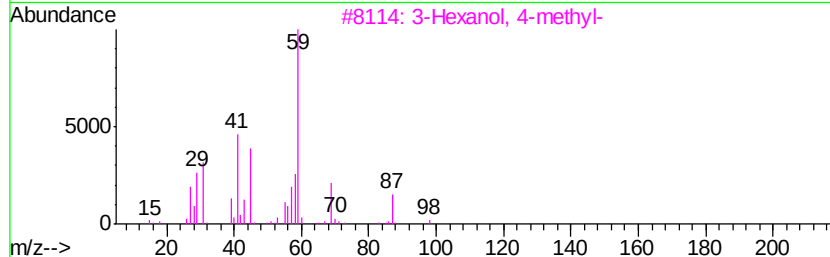
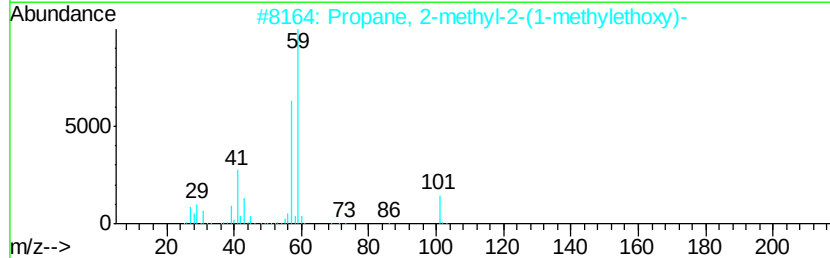
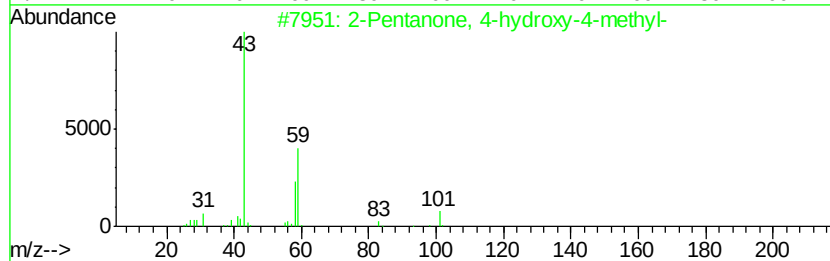
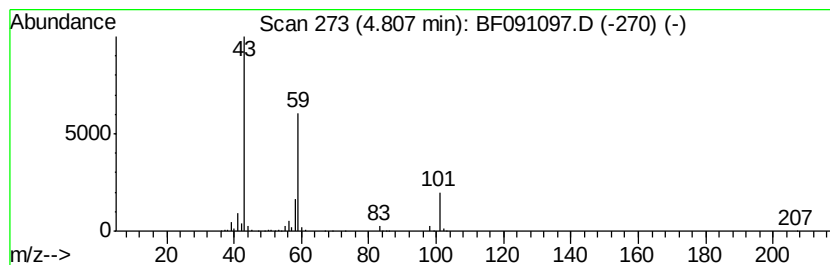
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 4.81 | 18.04 ng | 1049750 | 1,4-Dichlorobenzene-d4 | 6.66 |

| Hit# | of | Tentative ID                          | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-      | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2    |    | Propane, 2-methyl-2-(1-methylethoxy)- | 116 | C7H16O   | 017348-59-3 | 42   |
| 3    |    | 3-Hexanol, 4-methyl-                  | 116 | C7H16O   | 000615-29-2 | 28   |
| 4    |    | Acetic acid, cyano-, 1,1-dimethyl-    | 141 | C7H11NO2 | 001116-98-9 | 23   |
| 5    |    | Acetone                               | 58  | C3H6O    | 000067-64-1 | 9    |



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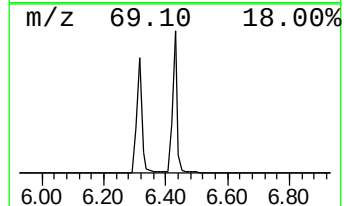
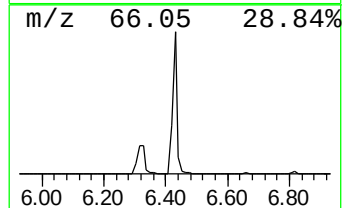
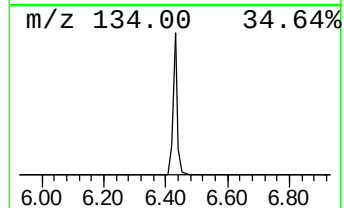
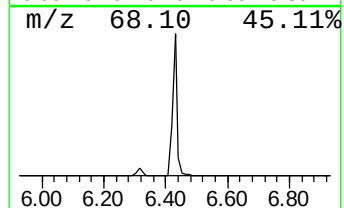
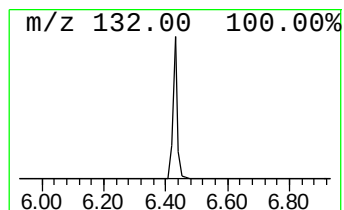
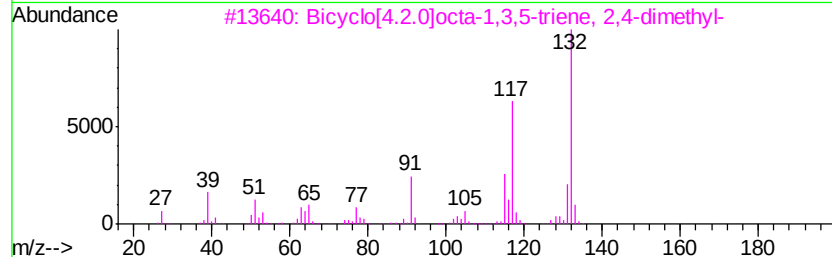
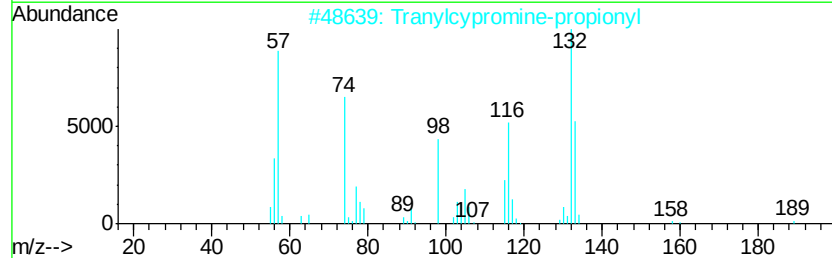
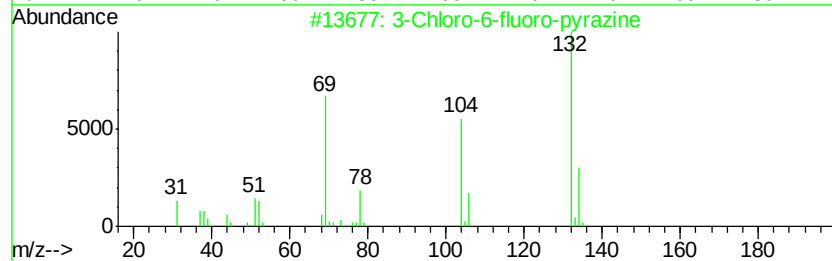
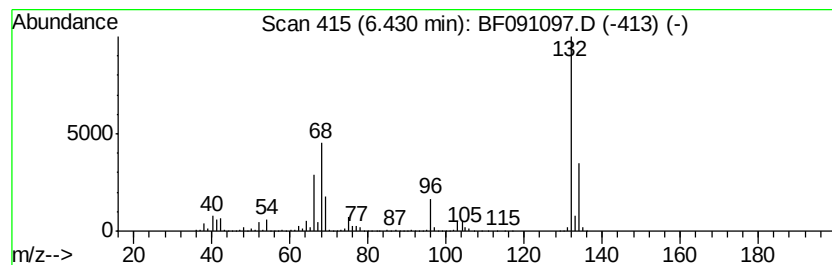
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Peak Number 3 unknown6.43 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.43 | 75.56 ng | 4396670 | 1,4-Dichlorobenzene-d4 | 6.66 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 2    |    | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 3    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 4    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 9    |
| 5    |    | 4-Chloro-2-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-00-5  | 9    |



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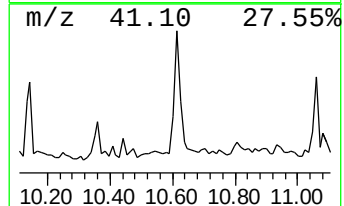
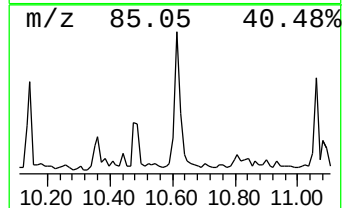
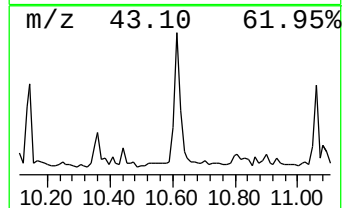
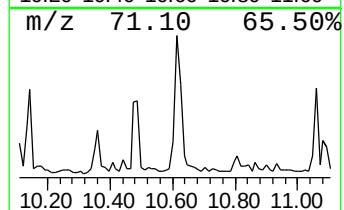
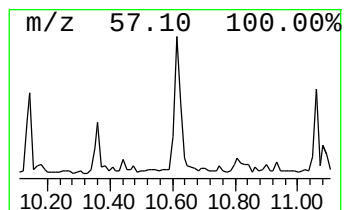
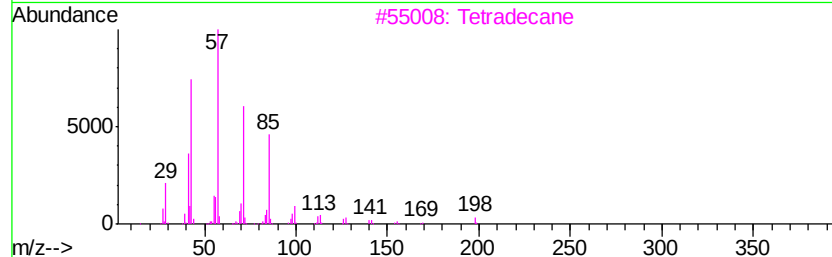
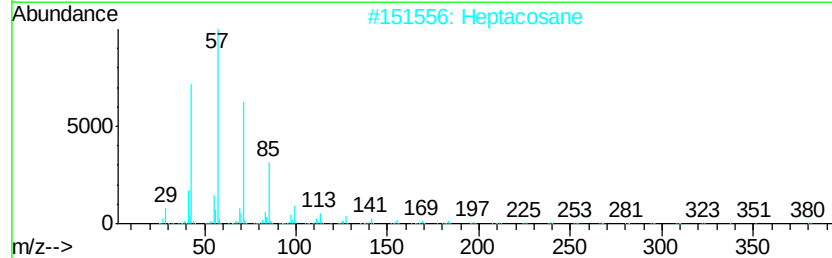
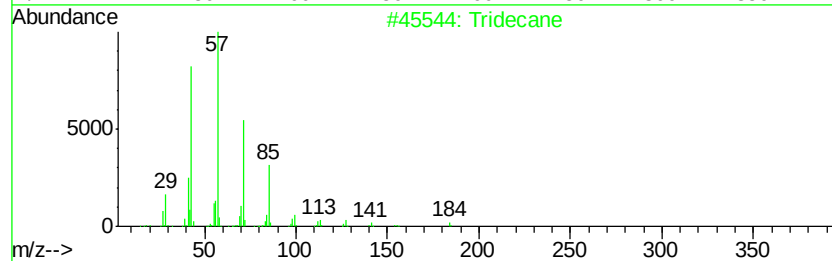
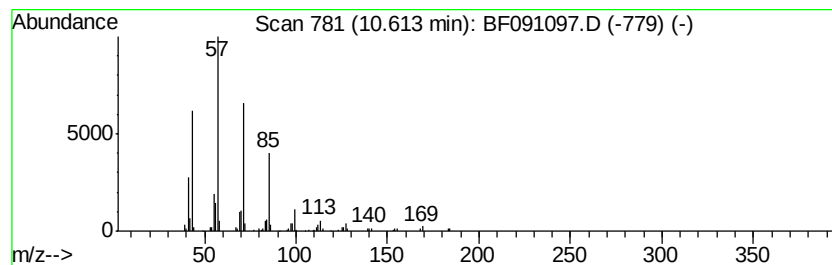
TIC Library : C:\DATABASE\NIST02.L  
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Peak Number 5 Tridecane Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.61 | 2.31 ng | 200167 | Phenanthrene-d10 | 11.17 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Tridecane    | 184 | C13H28  | 000629-50-5 | 91   |
| 2    |    | Heptacosane  | 380 | C27H56  | 000593-49-7 | 90   |
| 3    |    | Tetradecane  | 198 | C14H30  | 000629-59-4 | 90   |
| 4    |    | Pentadecane  | 212 | C15H32  | 000629-62-9 | 90   |
| 5    |    | Octacosane   | 394 | C28H58  | 000630-02-4 | 90   |



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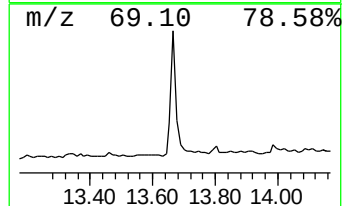
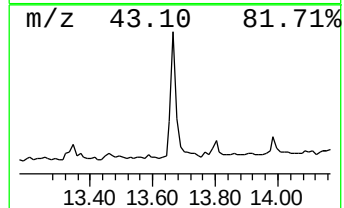
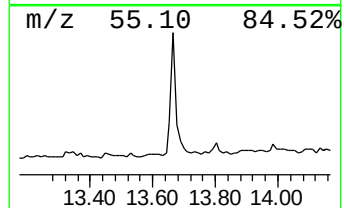
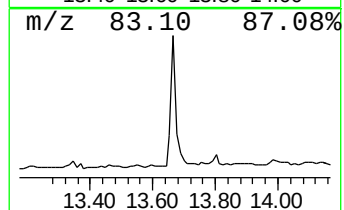
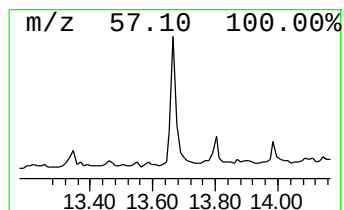
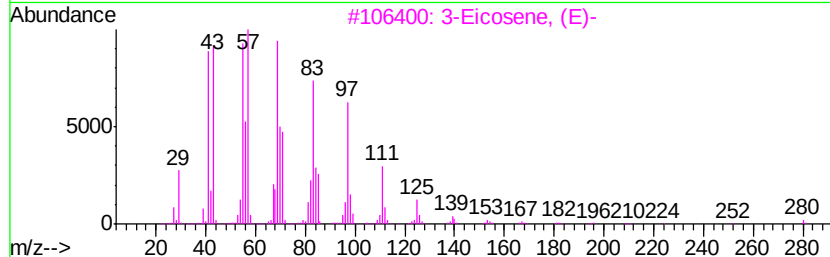
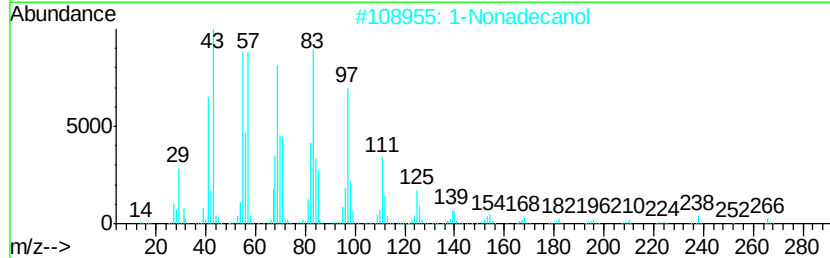
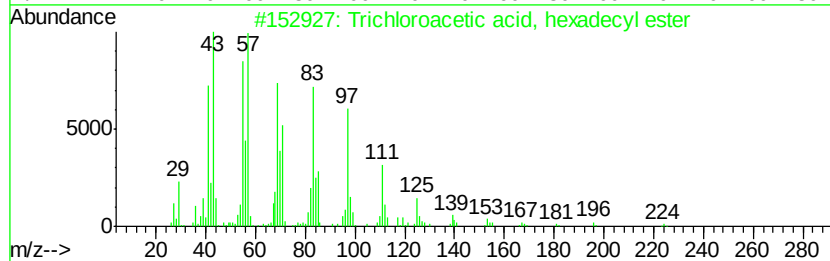
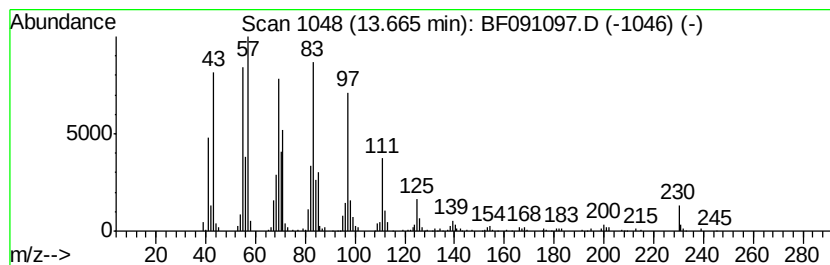
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Trichloroacetic acid, hexad... Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.67 | 4.10 ng | 310694 | Chrysene-d12     | 13.80 |

| Hit# of 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|-----------|-------------------------------------|-----|-------------|--------------|------|
| 1         | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1  | 94   |
| 2         | 1-Nonadecanol                       | 284 | C19H40O     | 001454-84-8  | 93   |
| 3         | 3-Eicosene, (E)-                    | 280 | C20H40      | 074685-33-9  | 91   |
| 4         | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 91   |
| 5         | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0  | 91   |



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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pentanone, 4-hy... | 4.81  | 18.0    | ng    | 1049750  | 1                     | 6.66  | 1163720 | 20.0 |
| unknown6.43          | 6.43  | 75.6    | ng    | 4396670  | 1                     | 6.66  | 1163720 | 20.0 |
| Tridecane            | 10.61 | 2.3     | ng    | 200167   | 4                     | 11.17 | 1732960 | 20.0 |
| Trichloroacetic a... | 13.67 | 4.1     | ng    | 310694   | 5                     | 13.80 | 1513830 | 20.0 |