

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021517\  
 Data File : BF092974.D  
 Acq On : 16 Feb 2017 1:53  
 Operator : SJ/MA  
 Sample : I1825-01 5X  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AIRSIDELIFTSAMPLE1C

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-BF013017.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         | 5.036       | 256           | 258         | 266          | rBV      | 31582          | 48754         | 3.98%           | 0.538%        |
| 2         | 5.459       | 293           | 295         | 300          | rBV      | 125198         | 122063        | 9.97%           | 1.348%        |
| 3         | 6.499       | 384           | 386         | 391          | rBV      | 135938         | 132972        | 10.86%          | 1.469%        |
| 4         | 6.636       | 396           | 398         | 400          | rBV      | 153188         | 126157        | 10.30%          | 1.393%        |
| 5         | 6.865       | 416           | 418         | 421          | rBV      | 695571         | 883836        | 72.16%          | 9.762%        |
| 6         | 7.025       | 430           | 432         | 435          | rVB      | 121061         | 104884        | 8.56%           | 1.158%        |
| 7         | 7.436       | 464           | 468         | 470          | rBV      | 80186          | 74583         | 6.09%           | 0.824%        |
| 8         | 7.470       | 470           | 471         | 473          | rVB      | 21213          | 18202         | 1.49%           | 0.201%        |
| 9         | 8.156       | 529           | 531         | 534          | rVB      | 1429517        | 1188690       | 97.05%          | 13.129%       |
| 10        | 8.213       | 534           | 536         | 538          | rVB      | 11529          | 17715         | 1.45%           | 0.196%        |
| 11        | 8.453       | 553           | 557         | 560          | rBV3     | 12201          | 30892         | 2.52%           | 0.341%        |
| 12        | 8.579       | 566           | 568         | 569          | rBV      | 39006          | 36981         | 3.02%           | 0.408%        |
| 13        | 8.750       | 581           | 583         | 585          | rBV      | 45743          | 45286         | 3.70%           | 0.500%        |
| 14        | 9.036       | 606           | 608         | 609          | rBV      | 9664           | 16058         | 1.31%           | 0.177%        |
| 15        | 9.059       | 609           | 610         | 613          | rVB3     | 13709          | 17684         | 1.44%           | 0.195%        |
| 16        | 9.173       | 619           | 620         | 622          | rVB      | 39346          | 33061         | 2.70%           | 0.365%        |
| 17        | 9.230       | 622           | 625         | 627          | rBV      | 171941         | 146510        | 11.96%          | 1.618%        |
| 18        | 9.310       | 629           | 632         | 635          | rBV      | 70675          | 87468         | 7.14%           | 0.966%        |
| 19        | 9.562       | 653           | 654         | 657          | rBV3     | 16638          | 26117         | 2.13%           | 0.288%        |
| 20        | 9.631       | 657           | 660         | 661          | rVB2     | 81158          | 94301         | 7.70%           | 1.042%        |
| 21        | 9.768       | 671           | 672         | 674          | rBV2     | 18579          | 27495         | 2.24%           | 0.304%        |
| 22        | 9.836       | 674           | 678         | 681          | rVV3     | 86390          | 188908        | 15.42%          | 2.086%        |
| 23        | 9.905       | 682           | 684         | 686          | rVV      | 1335048        | 1224832       | 100.00%         | 13.528%       |
| 24        | 9.939       | 686           | 687         | 692          | rVV5     | 18911          | 33864         | 2.76%           | 0.374%        |
| 25        | 10.008      | 692           | 693         | 696          | rVB3     | 13592          | 18698         | 1.53%           | 0.207%        |
| 26        | 10.065      | 696           | 698         | 700          | rBV2     | 14232          | 23849         | 1.95%           | 0.263%        |
| 27        | 10.099      | 700           | 701         | 704          | rVV3     | 15963          | 24243         | 1.98%           | 0.268%        |
| 28        | 10.168      | 704           | 707         | 708          | rVV2     | 21589          | 31110         | 2.54%           | 0.344%        |
| 29        | 10.225      | 711           | 712         | 715          | rBV2     | 14982          | 25639         | 2.09%           | 0.283%        |
| 30        | 10.339      | 718           | 722         | 723          | rBV      | 60977          | 80962         | 6.61%           | 0.894%        |
| 31        | 10.453      | 730           | 732         | 735          | rVB3     | 12488          | 24565         | 2.01%           | 0.271%        |
| 32        | 10.556      | 738           | 741         | 744          | rVB2     | 41934          | 55184         | 4.51%           | 0.610%        |
| 33        | 10.693      | 750           | 753         | 755          | rBV2     | 59349          | 74924         | 6.12%           | 0.828%        |
| 34        | 10.808      | 761           | 763         | 768          | rVB      | 91222          | 144372        | 11.79%          | 1.595%        |

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Max Peaks: 100  
Peak Location: TOP

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Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |         |
|----|--------|------|------|------|------|---------|---------|--------|---------|
| 35 | 10.876 | 768  | 769  | 774  | rBV4 | 9838    | 21620   | 1.77%  | 0.239%  |
| 36 | 11.025 | 778  | 782  | 784  | rVB4 | 11162   | 29756   | 2.43%  | 0.329%  |
| 37 | 11.151 | 790  | 793  | 796  | rVB5 | 8652    | 18768   | 1.53%  | 0.207%  |
| 38 | 11.254 | 801  | 802  | 804  | rBV  | 42339   | 48093   | 3.93%  | 0.531%  |
| 39 | 11.288 | 804  | 805  | 808  | rVB  | 34611   | 29719   | 2.43%  | 0.328%  |
| 40 | 11.391 | 812  | 814  | 816  | rBV  | 1240328 | 1119390 | 91.39% | 12.364% |
| 41 | 11.608 | 831  | 833  | 834  | rBV2 | 14221   | 23637   | 1.93%  | 0.261%  |
| 42 | 11.676 | 837  | 839  | 841  | rVV  | 32520   | 44552   | 3.64%  | 0.492%  |
| 43 | 11.734 | 841  | 844  | 846  | rVB4 | 8930    | 18997   | 1.55%  | 0.210%  |
| 44 | 11.996 | 865  | 867  | 871  | rVB4 | 12552   | 25636   | 2.09%  | 0.283%  |
| 45 | 12.088 | 874  | 875  | 877  | rVB  | 27904   | 20656   | 1.69%  | 0.228%  |
| 46 | 12.362 | 898  | 899  | 902  | rBV2 | 14944   | 23985   | 1.96%  | 0.265%  |
| 47 | 12.442 | 904  | 906  | 907  | rBV2 | 15040   | 22183   | 1.81%  | 0.245%  |
| 48 | 12.477 | 907  | 909  | 910  | rVV  | 30244   | 26159   | 2.14%  | 0.289%  |
| 49 | 12.602 | 918  | 920  | 922  | rVB  | 34776   | 34885   | 2.85%  | 0.385%  |
| 50 | 12.694 | 926  | 928  | 930  | rBV3 | 12974   | 24282   | 1.98%  | 0.268%  |
| 51 | 12.797 | 935  | 937  | 938  | rBV  | 36257   | 41779   | 3.41%  | 0.461%  |
| 52 | 12.831 | 938  | 940  | 943  | rVB2 | 27043   | 54324   | 4.44%  | 0.600%  |
| 53 | 12.968 | 950  | 952  | 956  | rVB  | 137628  | 148879  | 12.16% | 1.644%  |
| 54 | 13.197 | 970  | 972  | 974  | rBV2 | 23601   | 38381   | 3.13%  | 0.424%  |
| 55 | 13.414 | 989  | 991  | 993  | rBV2 | 17987   | 21654   | 1.77%  | 0.239%  |
| 56 | 13.494 | 997  | 998  | 1001 | rBV2 | 22931   | 34706   | 2.83%  | 0.383%  |
| 57 | 13.539 | 1001 | 1002 | 1004 | rBV2 | 31341   | 42788   | 3.49%  | 0.473%  |
| 58 | 13.677 | 1012 | 1014 | 1017 | rVB3 | 49151   | 71993   | 5.88%  | 0.795%  |
| 59 | 14.020 | 1042 | 1044 | 1047 | rBV  | 813885  | 913134  | 74.55% | 10.086% |
| 60 | 15.460 | 1167 | 1170 | 1179 | rVB  | 629558  | 923012  | 75.36% | 10.195% |

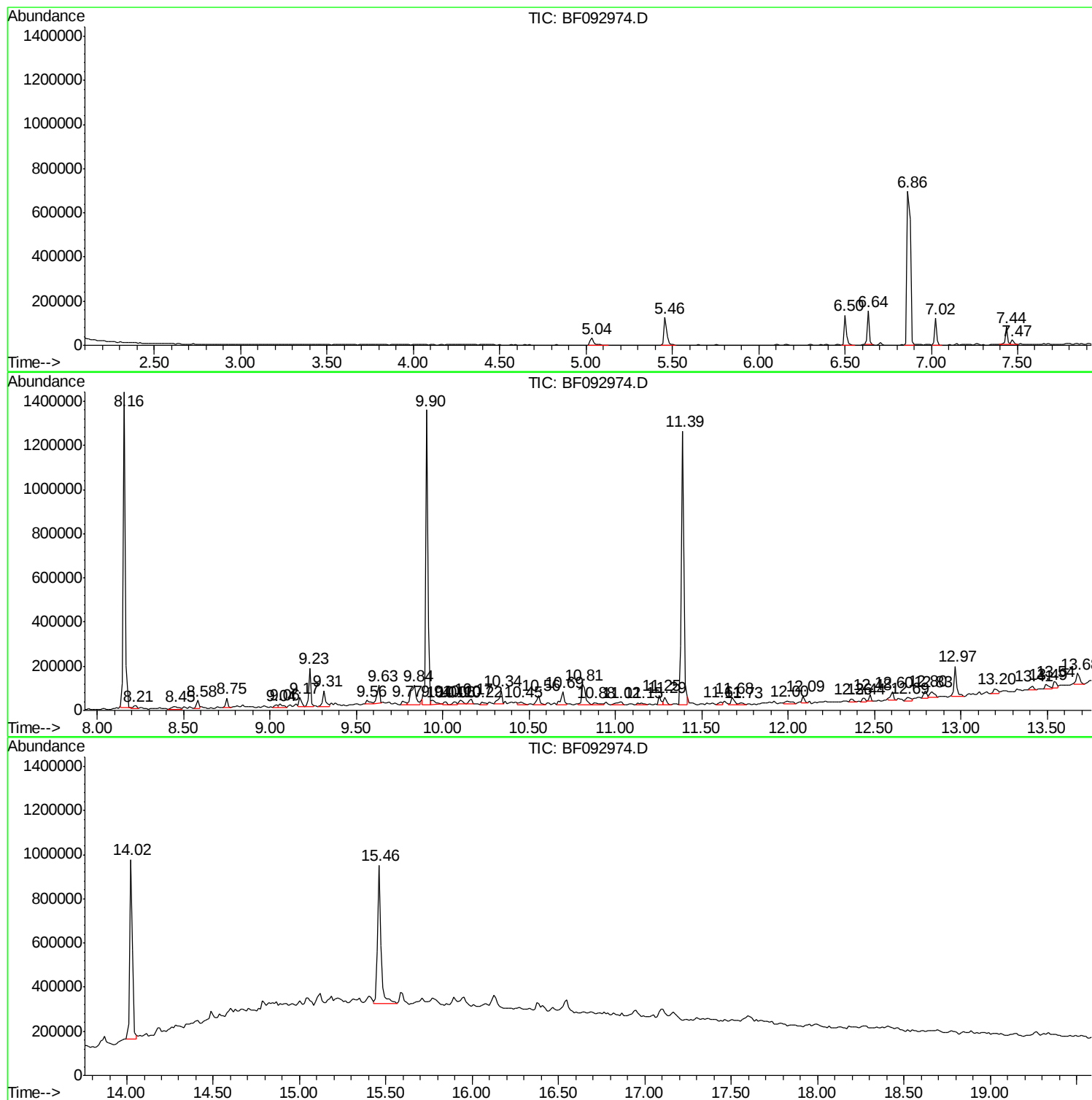
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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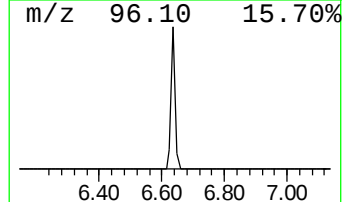
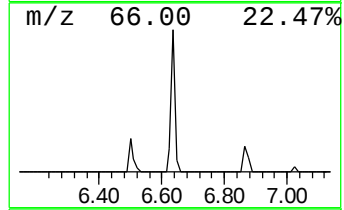
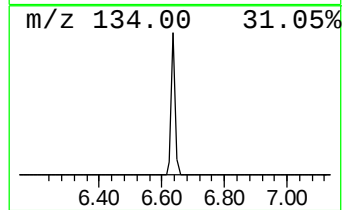
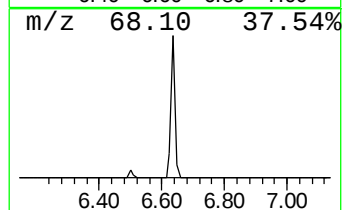
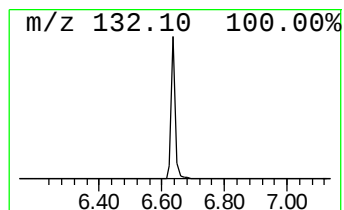
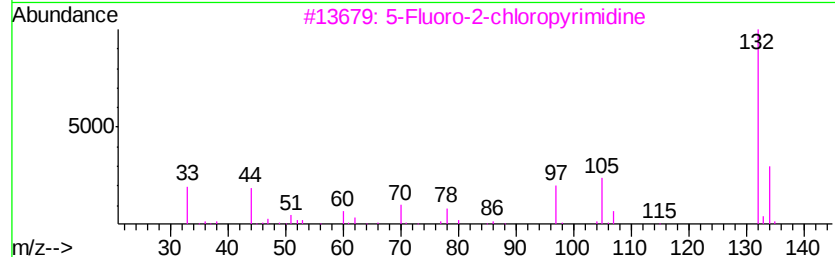
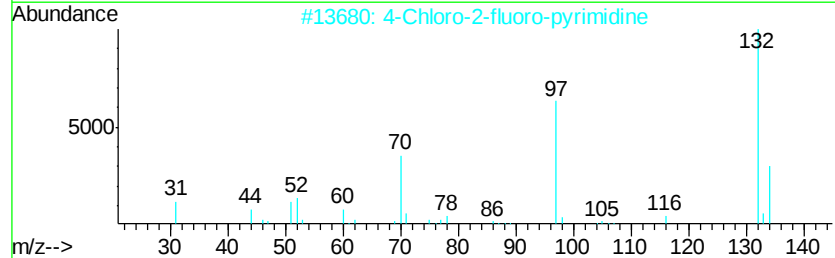
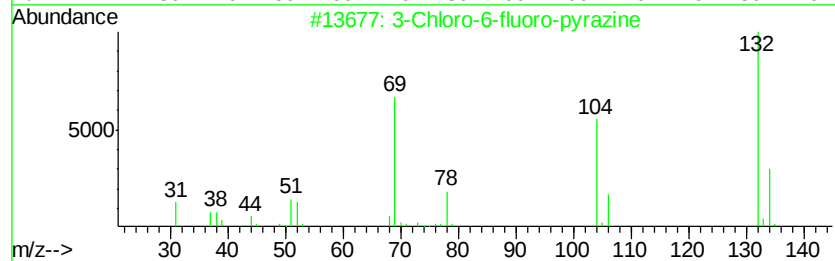
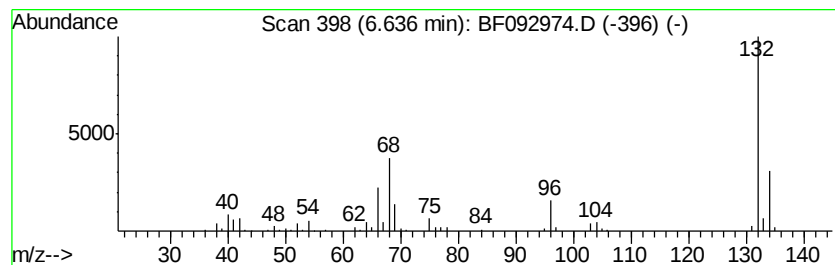
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 unknown6.64 Concentration Rank 2

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 6.64 | 2.85 ng | 126157 | 1,4-Dichlorobenzene-d4 | 6.88 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 38   |
| 2    |    | 4-Chloro-2-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-00-5  | 9    |
| 3    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 9    |
| 4    |    | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 9    |
| 5    |    | Imidazole, 4,5-dicyano-1-methyl- | 132 | C6H4N4    | 019485-35-9  | 9    |



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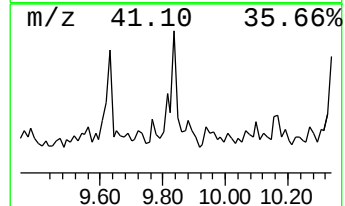
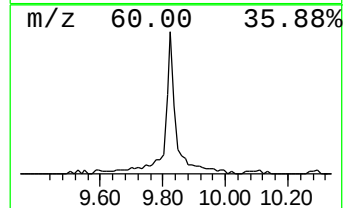
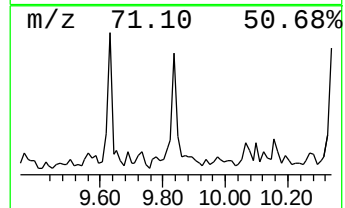
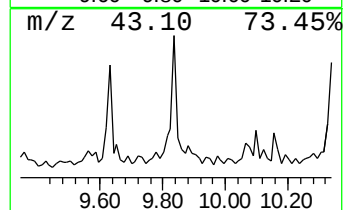
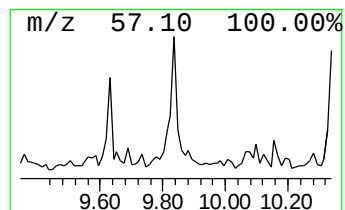
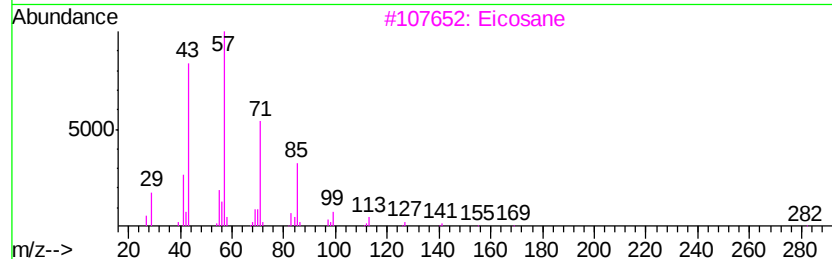
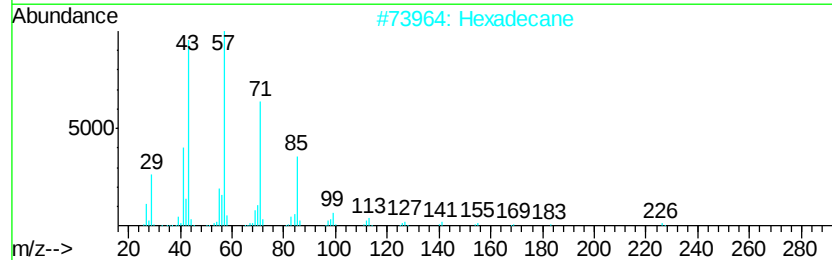
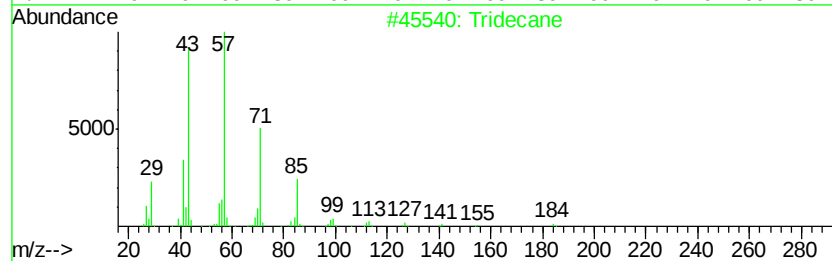
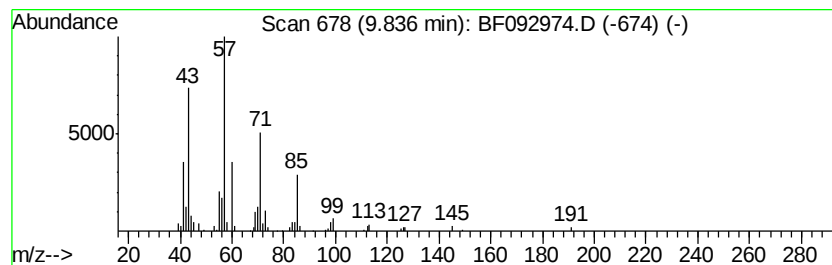
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Tridecane Concentration Rank 1

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.84 | 3.08 ng | 188908 | Acenaphthene-d10 | 9.90 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Tridecane    | 184 | C13H28  | 000629-50-5 | 64   |
| 2    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 64   |
| 3    |    | Eicosane     | 282 | C20H42  | 000112-95-8 | 62   |
| 4    |    | Tetradecane  | 198 | C14H30  | 000629-59-4 | 59   |
| 5    |    | Pentadecane  | 212 | C15H32  | 000629-62-9 | 59   |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|------------------|------|---------|-------|----------|-----------------------|------|---------|------|
|                  |      |         |       |          | #                     | RT   | Resp    | Conc |
| unknown6.64      | 6.64 | 2.9     | ng    | 126157   | 1                     | 6.88 | 883836  | 20.0 |
| Tridecane        | 9.84 | 3.1     | ng    | 188908   | 3                     | 9.90 | 1224830 | 20.0 |