

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF072316\  
 Data File : BF089227.D  
 Acq On : 23 Jul 2016 9:55  
 Operator : UM/SJ  
 Sample : H4120-01  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GW-01-6.5-15.0

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-BF072016.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         | 1.712       | 9             | 11          | 59           | rVB      | 949557         | 2033978       | 100.00%         | 14.175%       |
| 2         | 4.696       | 270           | 272         | 280          | rBV      | 30102          | 43519         | 2.14%           | 0.303%        |
| 3         | 5.153       | 310           | 312         | 341          | rBV7     | 444581         | 785261        | 38.61%          | 5.473%        |
| 4         | 6.227       | 404           | 406         | 414          | rBV      | 363202         | 550229        | 27.05%          | 3.835%        |
| 5         | 6.342       | 414           | 416         | 434          | rVB      | 967299         | 1306841       | 64.25%          | 9.107%        |
| 6         | 6.582       | 434           | 437         | 443          | rBV      | 200880         | 265528        | 13.05%          | 1.850%        |
| 7         | 6.730       | 448           | 450         | 460          | rVV      | 1037672        | 1091448       | 53.66%          | 7.606%        |
| 8         | 7.153       | 484           | 487         | 496          | rBV      | 767834         | 1003411       | 49.33%          | 6.993%        |
| 9         | 7.862       | 547           | 549         | 560          | rBV      | 372785         | 400413        | 19.69%          | 2.790%        |
| 10        | 8.262       | 580           | 584         | 599          | rBV      | 75335          | 147389        | 7.25%           | 1.027%        |
| 11        | 8.810       | 630           | 632         | 641          | rBV      | 45493          | 94797         | 4.66%           | 0.661%        |
| 12        | 8.947       | 641           | 644         | 646          | rBV      | 1745988        | 1971121       | 96.91%          | 13.737%       |
| 13        | 9.610       | 699           | 702         | 704          | rBV      | 419307         | 443955        | 21.83%          | 3.094%        |
| 14        | 10.399      | 768           | 771         | 781          | rBV      | 961717         | 1153280       | 56.70%          | 8.037%        |
| 15        | 11.085      | 828           | 831         | 835          | rBV      | 428557         | 458179        | 22.53%          | 3.193%        |
| 16        | 12.674      | 967           | 970         | 972          | rBV      | 1442728        | 1903361       | 93.58%          | 13.265%       |
| 17        | 13.588      | 1047          | 1050        | 1058         | rBV2     | 10564          | 23814         | 1.17%           | 0.166%        |
| 18        | 13.702      | 1058          | 1060        | 1066         | rBV      | 375038         | 395219        | 19.43%          | 2.754%        |
| 19        | 15.040      | 1175          | 1177        | 1184         | rBV      | 194232         | 277449        | 13.64%          | 1.934%        |

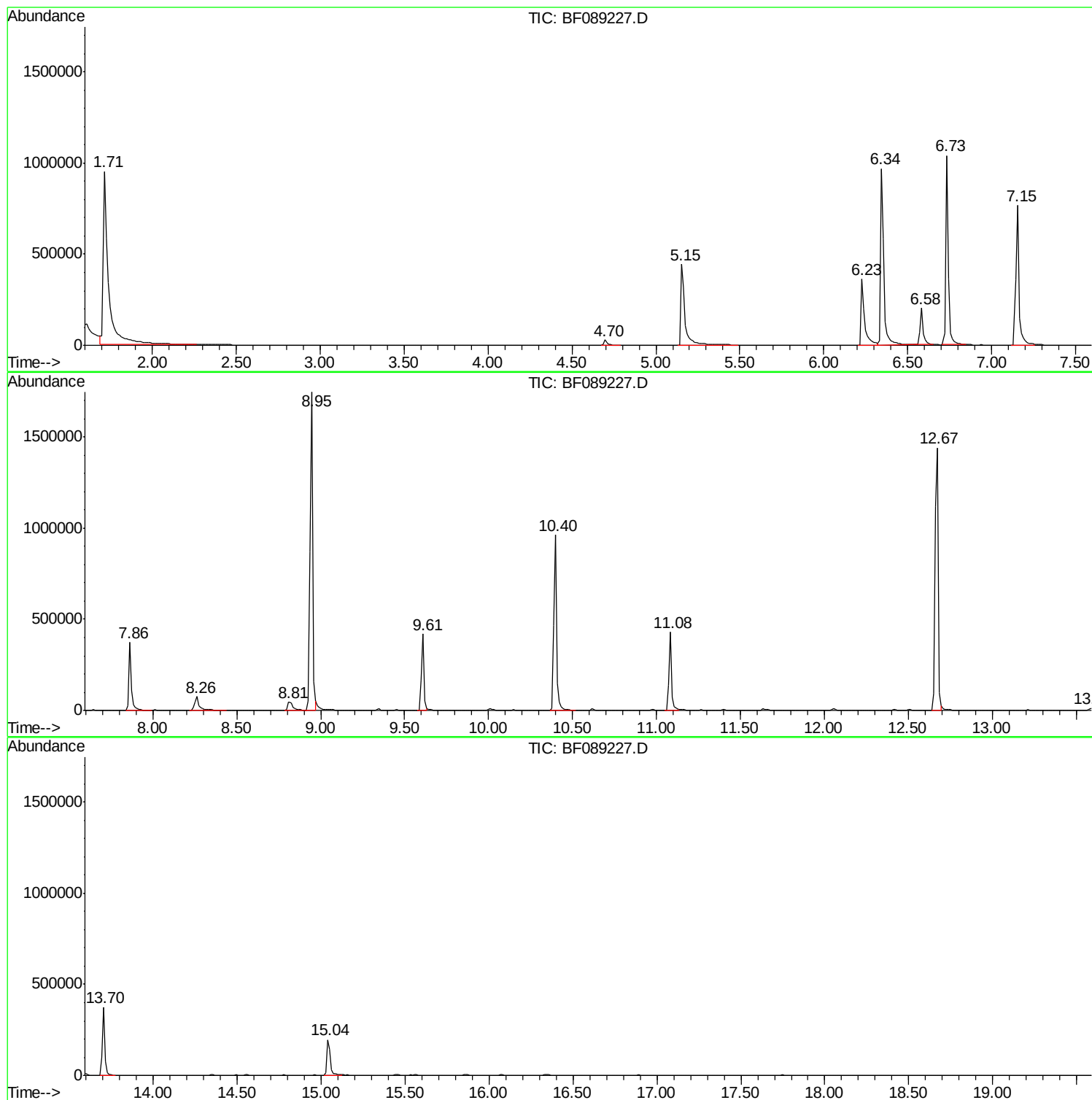
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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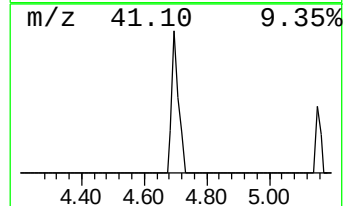
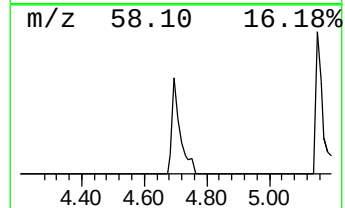
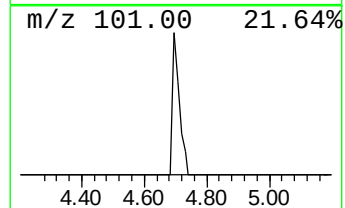
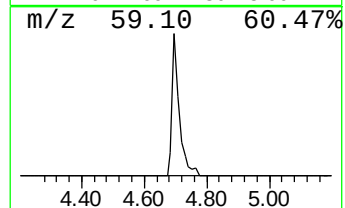
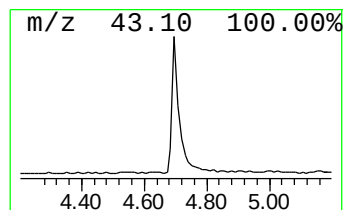
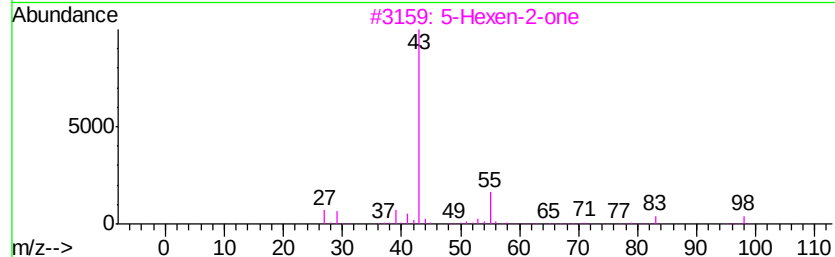
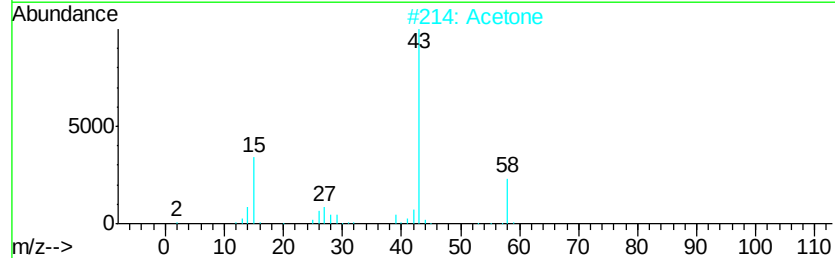
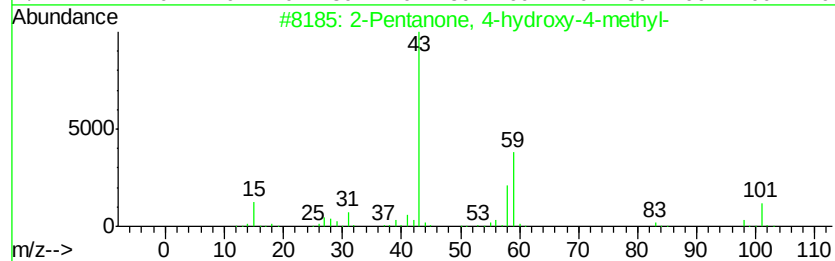
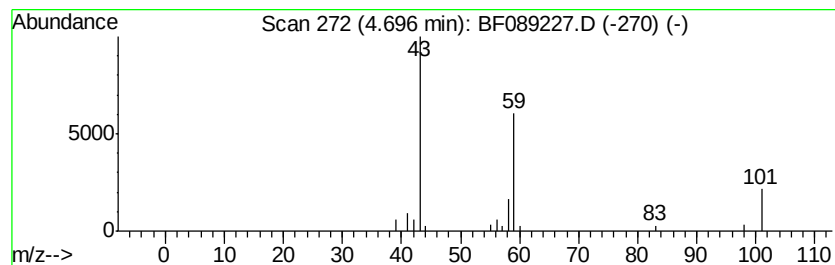
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 4.70 | 3.28 ng | 43519 | 1,4-Dichlorobenzene-d4 | 6.58 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56   |
| 2    |    | Acetone                          | 58  | C3H6O   | 000067-64-1 | 9    |
| 3    |    | 5-Hexen-2-one                    | 98  | C6H10O  | 000109-49-9 | 9    |
| 4    |    | Butyl aldoxime, 3-methyl-, syn-  | 101 | C5H11NO | 005780-40-5 | 9    |
| 5    |    | 3-Pentanol, 2-methyl-            | 102 | C6H14O  | 000565-67-3 | 9    |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

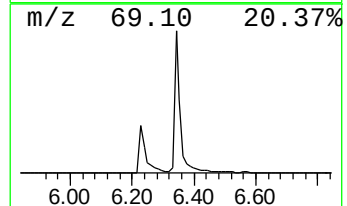
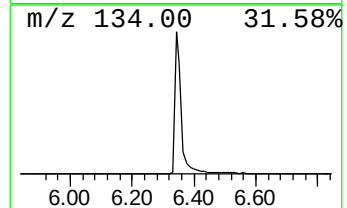
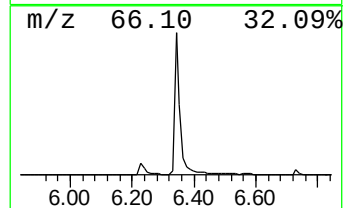
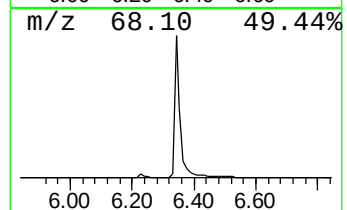
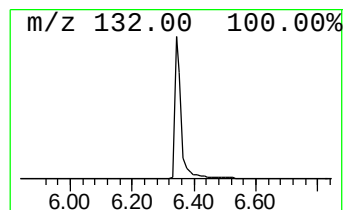
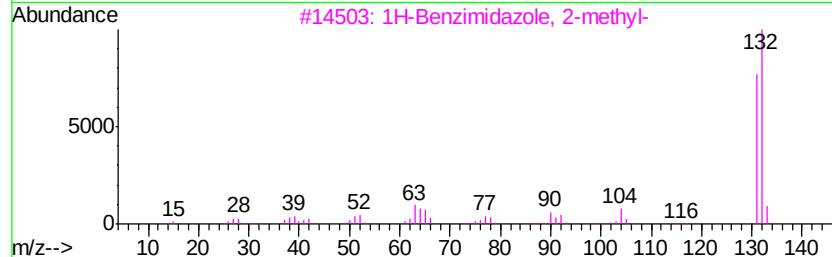
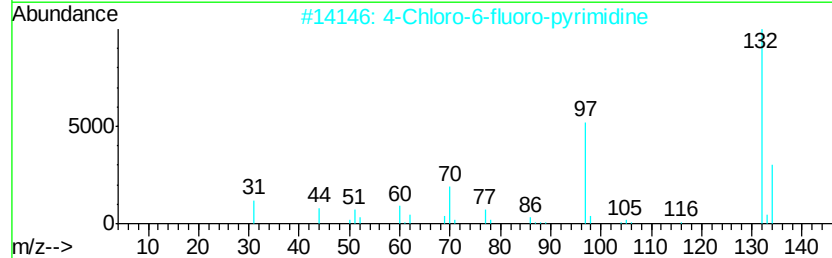
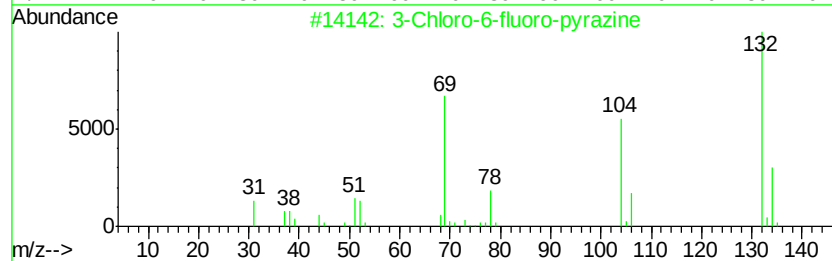
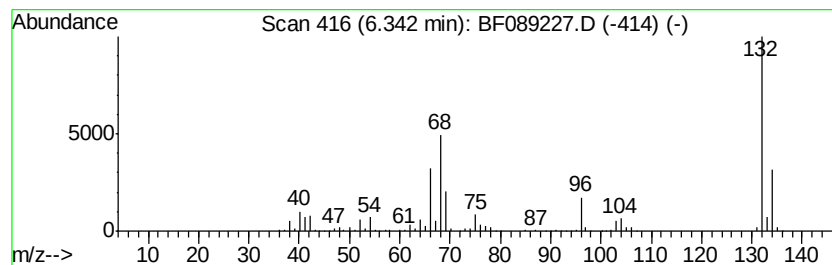
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown6.34 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.34 | 98.43 ng | 1306840 | 1,4-Dichlorobenzene-d4 | 6.58 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 3    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 22   |
| 4    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 5    |    | (5-Methyl-2-pyridyl)acetonitrile | 132 | C8H8N2    | 1000241-93-9 | 10   |



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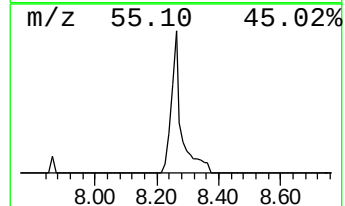
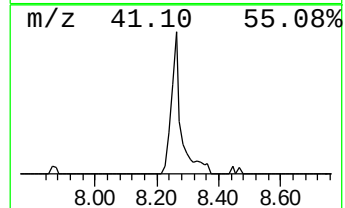
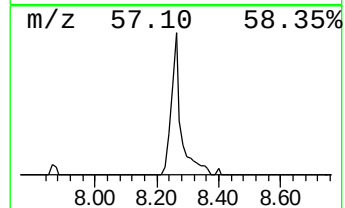
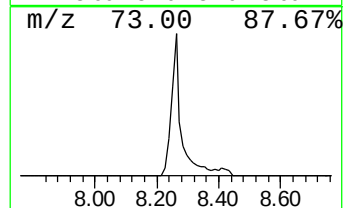
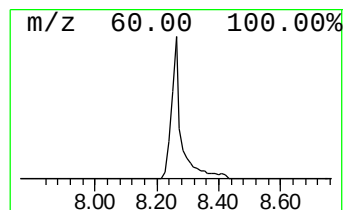
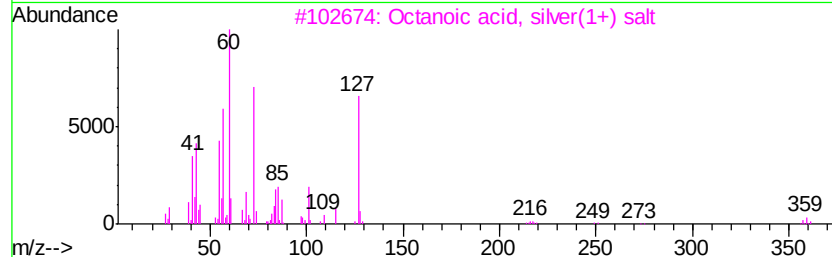
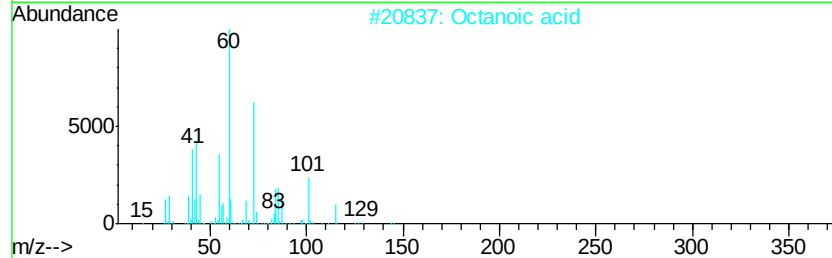
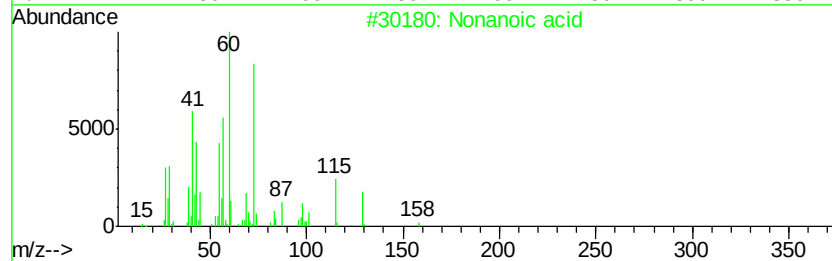
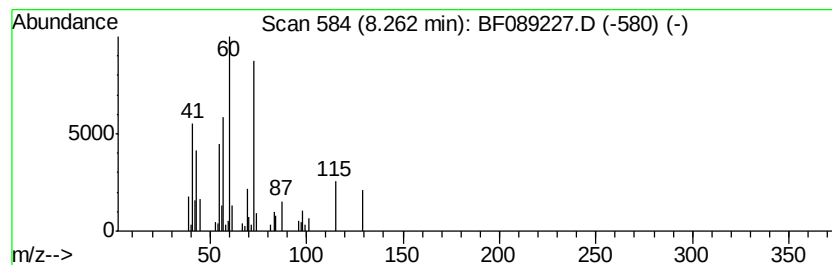
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Nonanoic acid Concentration Rank 4

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.26 | 7.36 ng | 147389 | Naphthalene-d8   | 7.86 |

| Hit# of | 5                              | Tentative ID | MW  | MolForm   | CAS#        | Qual |
|---------|--------------------------------|--------------|-----|-----------|-------------|------|
| 1       | Nonanoic acid                  |              | 158 | C9H18O2   | 000112-05-0 | 91   |
| 2       | Octanoic acid                  |              | 144 | C8H16O2   | 000124-07-2 | 53   |
| 3       | Octanoic acid, silver(1+) salt |              | 250 | C8H15AgO2 | 024927-67-1 | 50   |
| 4       | Hexanoic acid                  |              | 116 | C6H12O2   | 000142-62-1 | 50   |
| 5       | Pentanoic acid, 3-methyl-      |              | 116 | C6H12O2   | 000105-43-1 | 43   |



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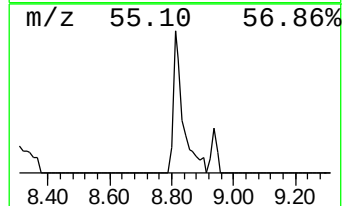
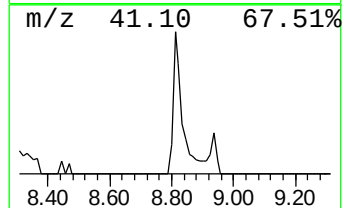
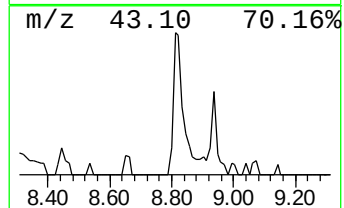
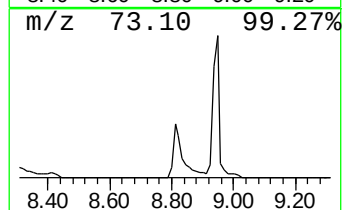
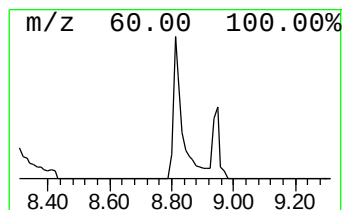
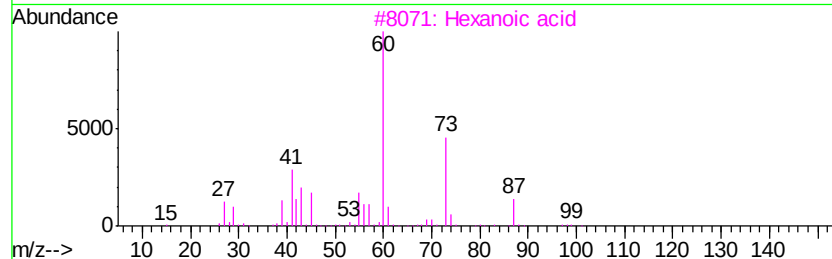
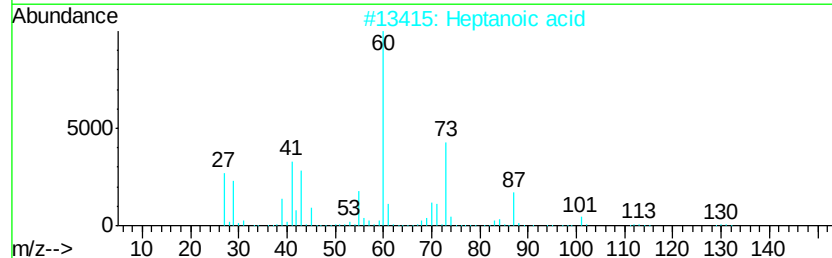
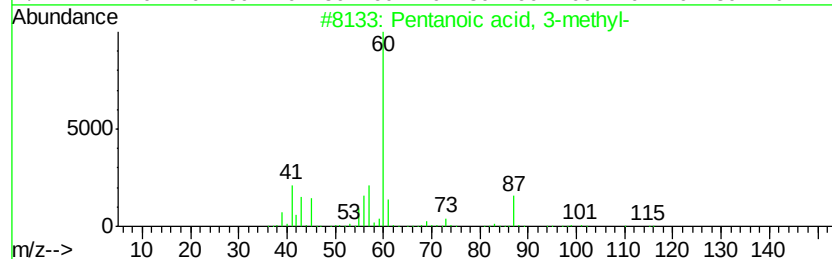
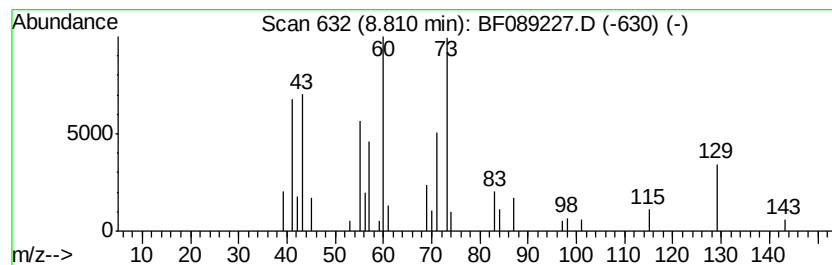
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Peak Number 6 unknown8.81 Concentration Rank 5

| R.T. | EstConc | Area  | Relative to ISTD | R.T. |
|------|---------|-------|------------------|------|
| 8.81 | 4.27 ng | 94797 | Acenaphthene-d10 | 9.61 |

| Hit# of 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|-----------|---------------------------|-----|---------|-------------|------|
| 1         | Pentanoic acid, 3-methyl- | 116 | C6H12O2 | 000105-43-1 | 43   |
| 2         | Heptanoic acid            | 130 | C7H14O2 | 000111-14-8 | 43   |
| 3         | Hexanoic acid             | 116 | C6H12O2 | 000142-62-1 | 38   |
| 4         | Nonanoic acid             | 158 | C9H18O2 | 000112-05-0 | 38   |
| 5         | Octanoic acid             | 144 | C8H16O2 | 000124-07-2 | 32   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| 2-Pentanone, 4-hy... | 4.70 | 3.3     | ng    | 43519    | 1                     | 6.58 | 265528 | 20.0 |
| unknown6.34          | 6.34 | 98.4    | ng    | 1306840  | 1                     | 6.58 | 265528 | 20.0 |
| Nonanoic acid        | 8.26 | 7.4     | ng    | 147389   | 2                     | 7.86 | 400413 | 20.0 |
| unknown8.81          | 8.81 | 4.3     | ng    | 94797    | 3                     | 9.61 | 443955 | 20.0 |