

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF090515\  
 Data File : BF081488.D  
 Acq On : 6 Sep 2015 3:36  
 Operator : UM/IZ  
 Sample : G3519-03  
 Misc :  
 ALS Vial : 65 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP208BR-23-25

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-BF090115.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         | 4.410       | 244           | 247         | 262          | rVB      | 600120         | 1147476       | 50.91%          | 6.414%        |
| 2         | 4.913       | 288           | 291         | 293          | rBV      | 1686217        | 2065120       | 91.62%          | 11.543%       |
| 3         | 6.033       | 385           | 389         | 391          | rBV      | 1880672        | 2253995       | 100.00%         | 12.599%       |
| 4         | 6.124       | 395           | 397         | 399          | rBV      | 1962185        | 1828542       | 81.12%          | 10.221%       |
| 5         | 6.353       | 415           | 417         | 420          | rBV      | 405628         | 367881        | 16.32%          | 2.056%        |
| 6         | 6.513       | 428           | 431         | 433          | rBV      | 1722216        | 1505802       | 66.81%          | 8.417%        |
| 7         | 6.936       | 465           | 468         | 470          | rBV      | 1262003        | 1254925       | 55.68%          | 7.014%        |
| 8         | 7.645       | 528           | 530         | 532          | rBV      | 559983         | 467611        | 20.75%          | 2.614%        |
| 9         | 8.730       | 622           | 625         | 627          | rBV      | 2246499        | 2089377       | 92.70%          | 11.678%       |
| 10        | 9.130       | 658           | 660         | 663          | rBV      | 268087         | 228858        | 10.15%          | 1.279%        |
| 11        | 9.382       | 680           | 682         | 685          | rVB      | 485650         | 464996        | 20.63%          | 2.599%        |
| 12        | 10.171      | 748           | 751         | 753          | rBV      | 1299876        | 1273236       | 56.49%          | 7.117%        |
| 13        | 10.319      | 762           | 764         | 770          | rBV      | 27853          | 30742         | 1.36%           | 0.172%        |
| 14        | 10.845      | 808           | 810         | 813          | rBV      | 431873         | 455600        | 20.21%          | 2.547%        |
| 15        | 11.428      | 858           | 861         | 864          | rBV      | 18860          | 28970         | 1.29%           | 0.162%        |
| 16        | 12.285      | 935           | 936         | 938          | rBB      | 19359          | 25935         | 1.15%           | 0.145%        |
| 17        | 12.434      | 946           | 949         | 952          | rBV      | 1694346        | 1688758       | 74.92%          | 9.439%        |
| 18        | 13.359      | 1028          | 1030        | 1036         | rBV      | 45744          | 80623         | 3.58%           | 0.451%        |
| 19        | 13.451      | 1036          | 1038        | 1041         | rBV      | 351153         | 344505        | 15.28%          | 1.926%        |
| 20        | 14.240      | 1105          | 1107        | 1109         | rBV      | 31829          | 34823         | 1.54%           | 0.195%        |
| 21        | 14.765      | 1151          | 1153        | 1155         | rBV      | 222747         | 253058        | 11.23%          | 1.414%        |

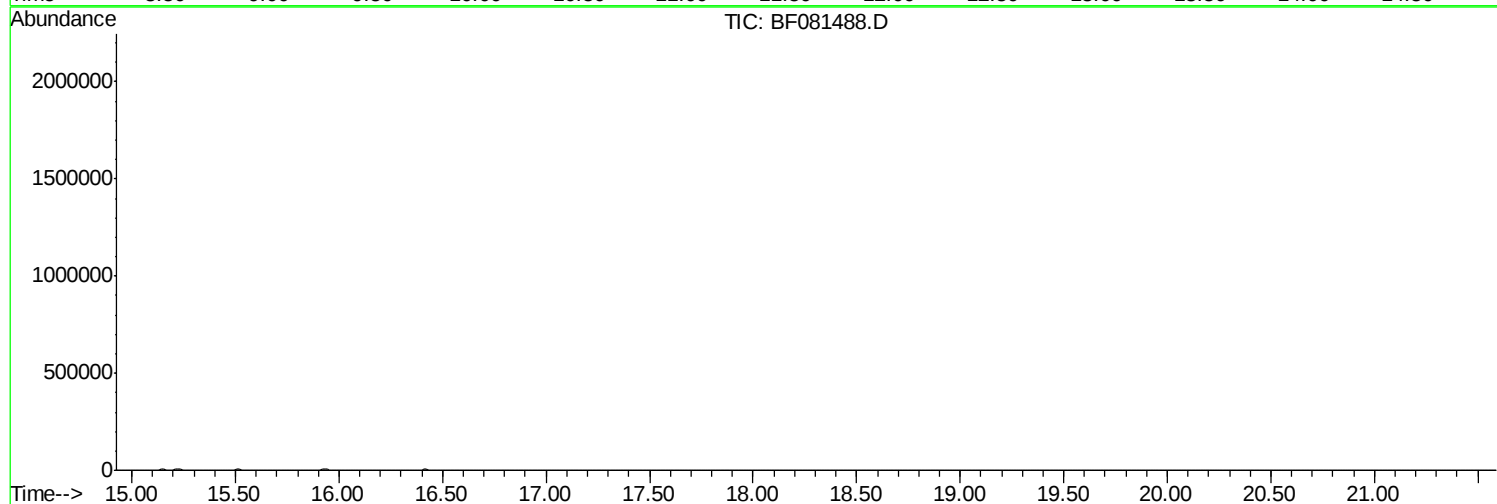
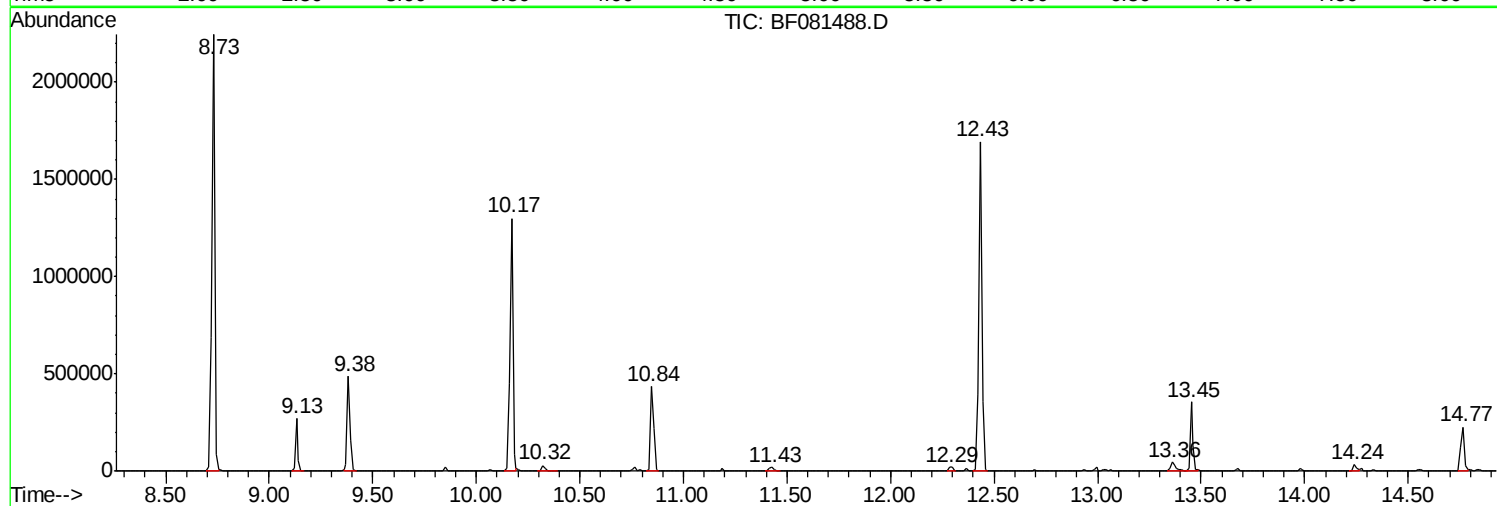
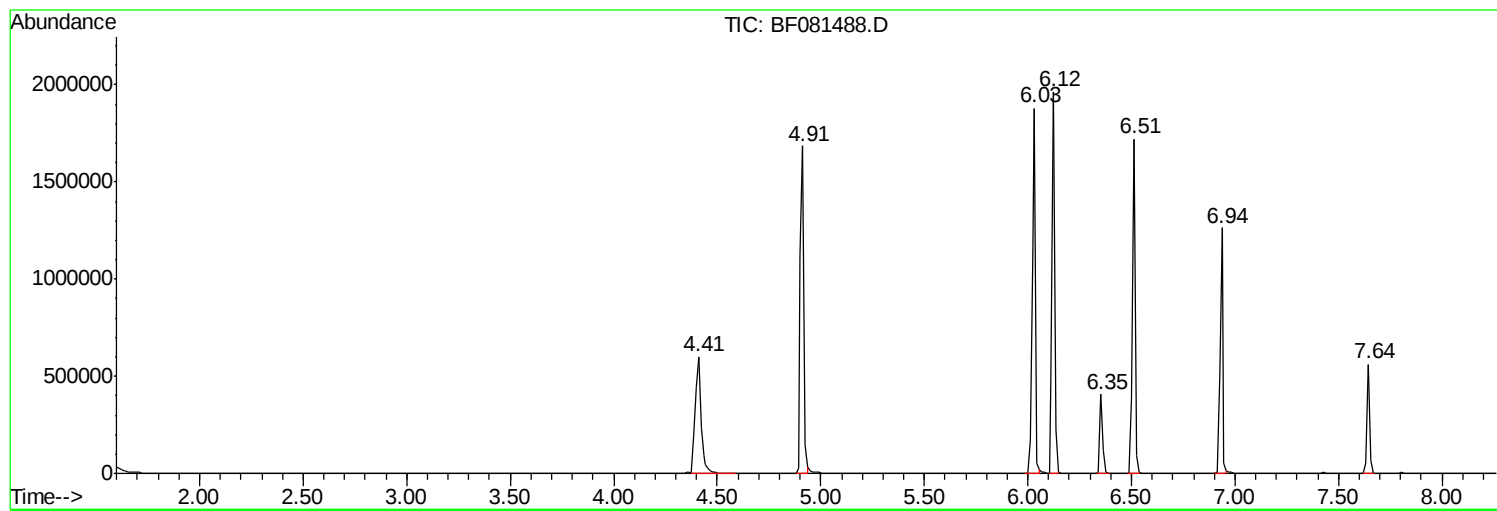
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ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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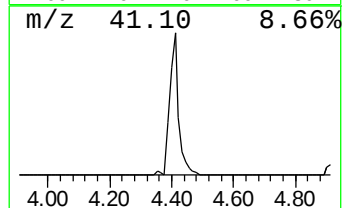
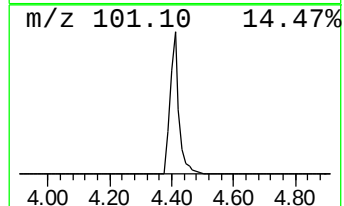
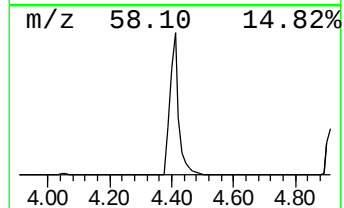
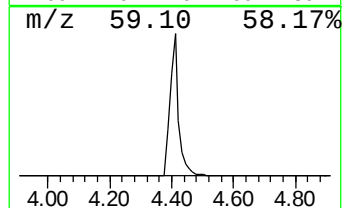
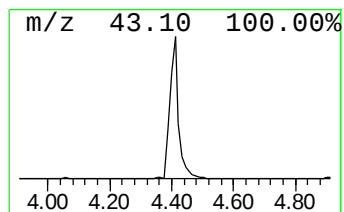
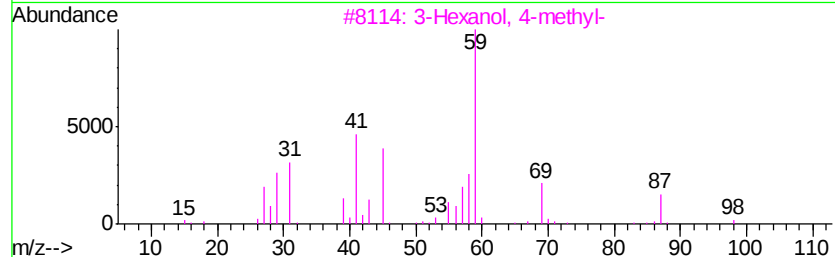
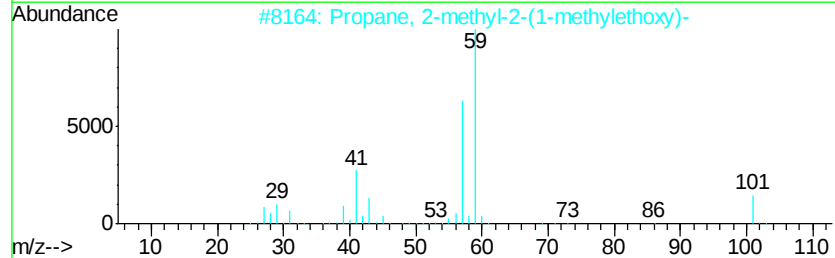
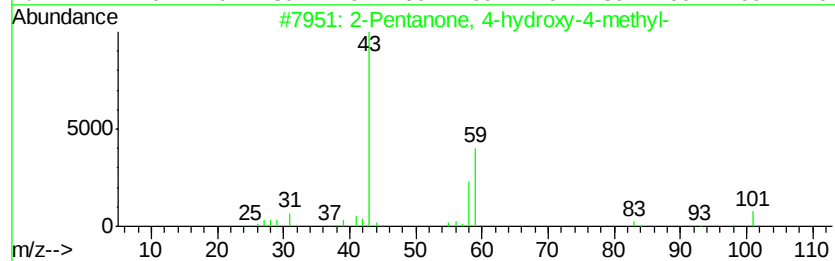
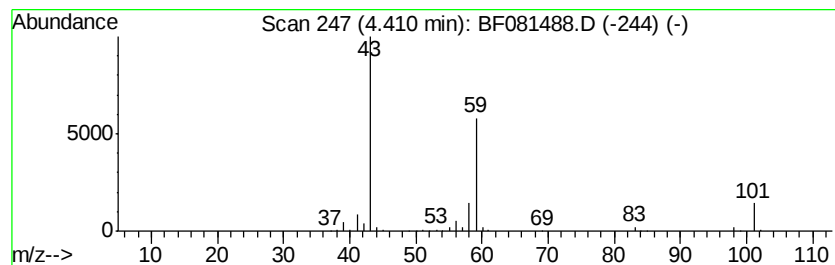
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 4.41 | 62.38 ng | 1147480 | 1,4-Dichlorobenzene-d4 | 6.35 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 50   |
| 2    |    |   | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O   | 017348-59-3 | 36   |
| 3    |    |   | 3-Hexanol, 4-methyl-                | 116 | C7H16O   | 000615-29-2 | 33   |
| 4    |    |   | 2-Hexanol, 2-methyl-                | 116 | C7H16O   | 000625-23-0 | 33   |
| 5    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23   |



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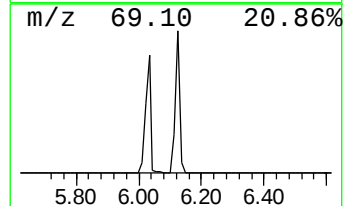
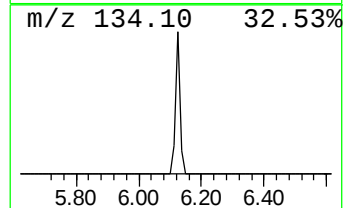
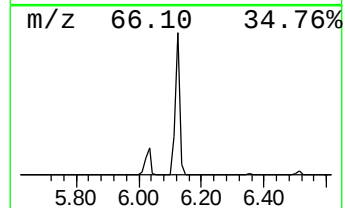
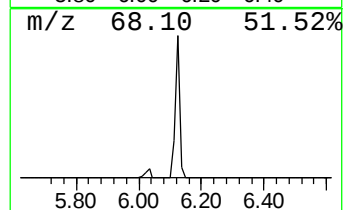
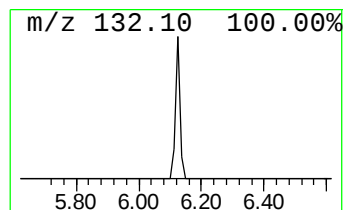
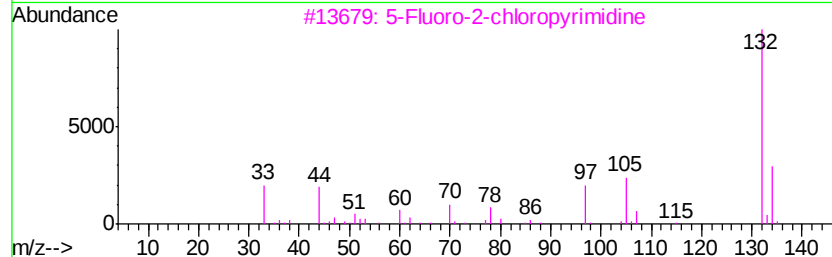
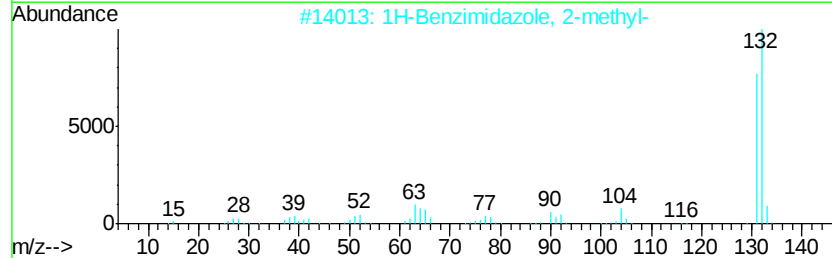
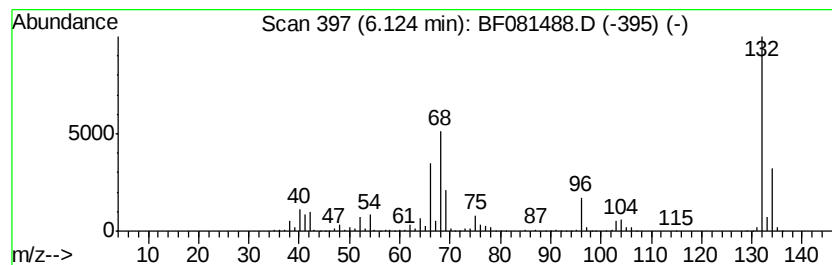
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown6.12 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.12 | 99.41 ng | 1828540 | 1,4-Dichlorobenzene-d4 | 6.35 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 25   |
| 3    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 16   |
| 4    |    | 2-Cyclohexen-1-one               | 96  | C6H8O     | 000930-68-7  | 10   |
| 5    |    | (5-METHYL-2-PYRIDYL)ACETONITRILE | 132 | C8H8N2    | 1000241-93-9 | 10   |



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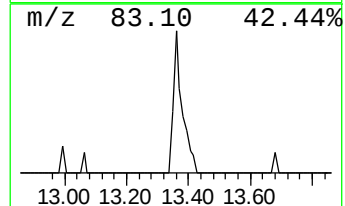
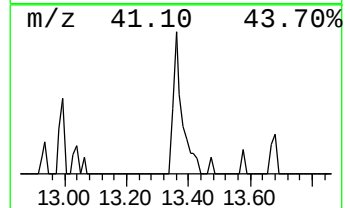
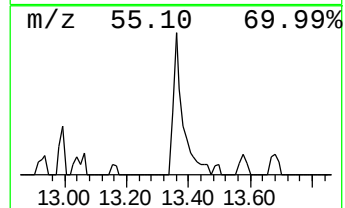
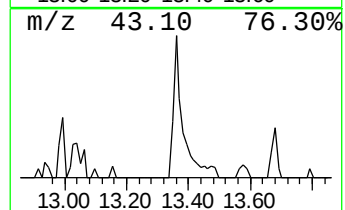
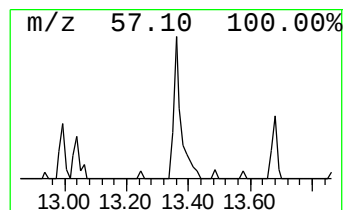
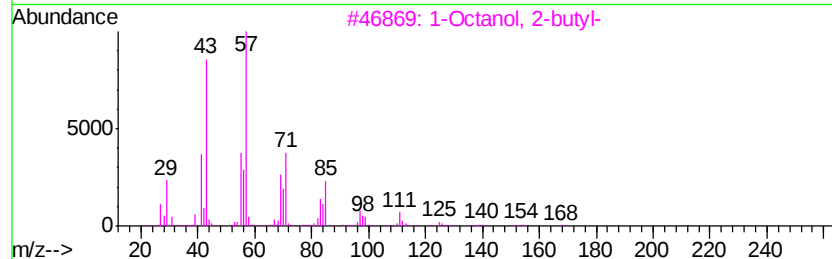
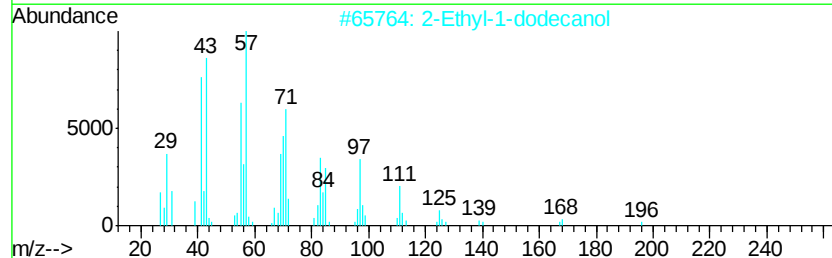
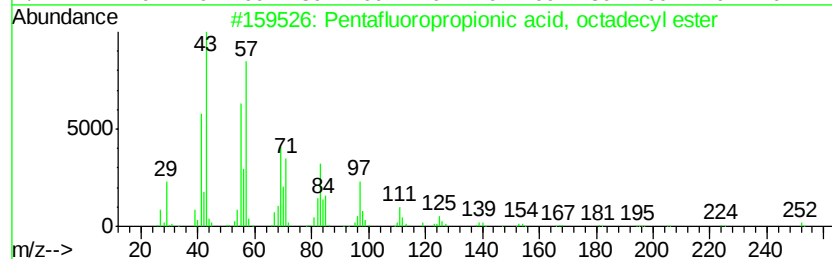
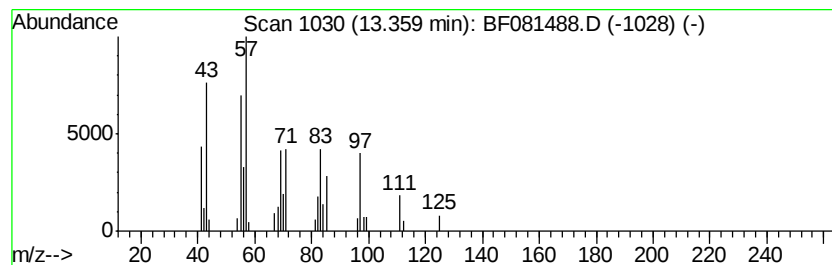
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Pentafluoropropionic acid, ... Concentration Rank 4

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 13.36 | 4.68 ng | 80623 | Chrysene-d12     | 13.45 |

| Hit# | of | Tentative ID                         | MW  | MolForm    | CAS#         | Qual |
|------|----|--------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Pentafluoropropionic acid, octad...  | 416 | C21H37F5O2 | 1000280-07-7 | 83   |
| 2    |    | 2-Ethyl-1-dodecanol                  | 214 | C14H30O    | 019780-33-7  | 58   |
| 3    |    | 1-Octanol, 2-butyl-                  | 186 | C12H26O    | 003913-02-8  | 50   |
| 4    |    | Acetic acid, trifluoro-, tetradec... | 310 | C16H29F3O2 | 006222-02-2  | 43   |
| 5    |    | Hydroxylamine, O-decyl-              | 173 | C10H23NO   | 029812-79-1  | 43   |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
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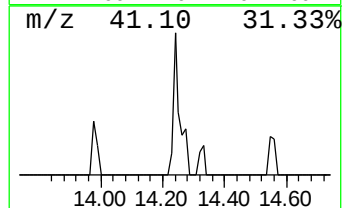
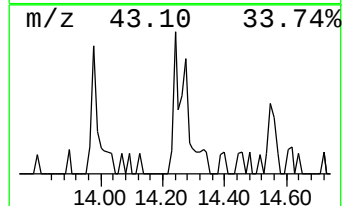
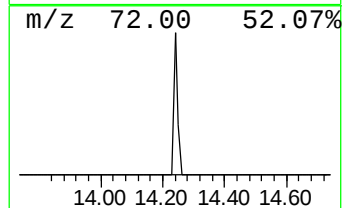
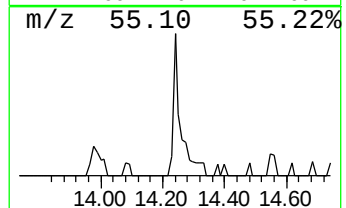
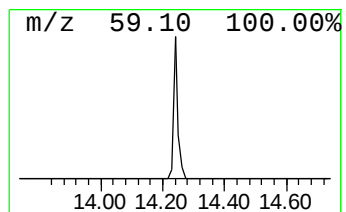
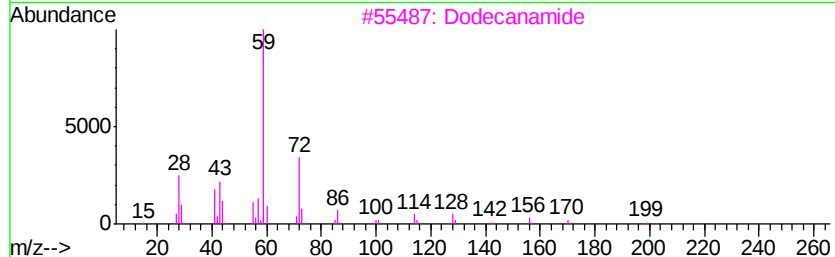
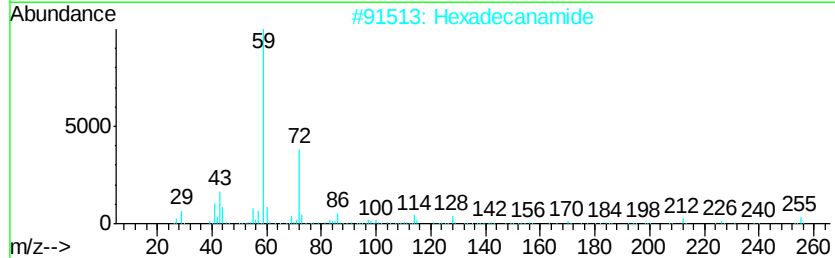
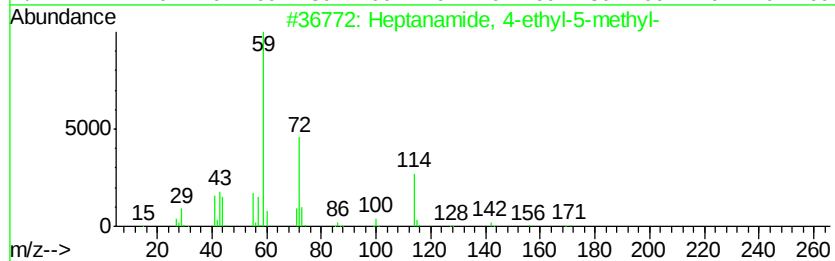
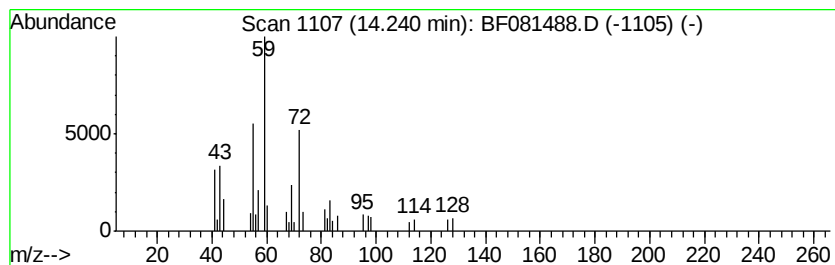
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Peak Number 5 Heptanamide, 4-ethyl-5-methyl- Concentration Rank 5

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 14.24 | 2.75 ng | 34823 | Perylene-d12     | 14.77 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|---------|---|-------------------------------------|-----|----------|-------------|------|
| 1       |   | Heptanamide, 4-ethyl-5-methyl-      | 171 | C10H21NO | 054789-40-1 | 72   |
| 2       |   | Hexadecanamide                      | 255 | C16H33NO | 000629-54-9 | 64   |
| 3       |   | Dodecanamide                        | 199 | C12H25NO | 001120-16-7 | 59   |
| 4       |   | Acetic acid, cyanohydroxyimino-,... | 128 | C4H4N2O3 | 061295-92-9 | 43   |
| 5       |   | Nonanamide                          | 157 | C9H19NO  | 001120-07-6 | 42   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Pentanone, 4-hy... | 4.41  | 62.4    | ng    | 1147480  | 1                     | 6.35  | 367881 | 20.0 |
| unknown6.12          | 6.12  | 99.4    | ng    | 1828540  | 1                     | 6.35  | 367881 | 20.0 |
| Pentafluoropropio... | 13.36 | 4.7     | ng    | 80623    | 5                     | 13.45 | 344505 | 20.0 |
| Heptanamide, 4-et... | 14.24 | 2.8     | ng    | 34823    | 6                     | 14.77 | 253058 | 20.0 |