

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\  
 Data File : BF093162.D  
 Acq On : 24 Feb 2017 23:29  
 Operator : SJ/MA  
 Sample : I1957-09  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SRI-SB-5(8-10)20170222

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-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         | 4.327       | 194           | 196         | 204          | rBV      | 203651         | 284802        | 6.94%           | 0.810%        |
| 2         | 5.001       | 251           | 255         | 257          | rBV      | 1844181        | 2590429       | 63.17%          | 7.370%        |
| 3         | 5.424       | 290           | 292         | 295          | rBV      | 2772323        | 2603085       | 63.48%          | 7.406%        |
| 4         | 6.476       | 381           | 384         | 386          | rBV      | 3255434        | 4100877       | 100.00%         | 11.668%       |
| 5         | 6.601       | 392           | 395         | 397          | rBV      | 3245269        | 3368134       | 82.13%          | 9.583%        |
| 6         | 6.830       | 413           | 415         | 418          | rBV      | 1079925        | 909200        | 22.17%          | 2.587%        |
| 7         | 6.990       | 426           | 429         | 431          | rBV      | 3125828        | 2972372       | 72.48%          | 8.457%        |
| 8         | 7.402       | 462           | 465         | 467          | rBV      | 2384765        | 2306177       | 56.24%          | 6.562%        |
| 9         | 8.122       | 526           | 528         | 532          | rVB      | 1331457        | 1183486       | 28.86%          | 3.367%        |
| 10        | 9.196       | 619           | 622         | 625          | rBV      | 3080217        | 4041147       | 98.54%          | 11.498%       |
| 11        | 9.276       | 627           | 629         | 635          | rVB2     | 55070          | 82678         | 2.02%           | 0.235%        |
| 12        | 9.596       | 655           | 657         | 659          | rVV      | 283498         | 236292        | 5.76%           | 0.672%        |
| 13        | 9.813       | 674           | 676         | 678          | rVB      | 69584          | 81250         | 1.98%           | 0.231%        |
| 14        | 9.870       | 679           | 681         | 684          | rVB      | 962460         | 1250839       | 30.50%          | 3.559%        |
| 15        | 10.282      | 715           | 717         | 718          | rBV      | 42174          | 48163         | 1.17%           | 0.137%        |
| 16        | 10.305      | 718           | 719         | 721          | rVB      | 160558         | 132063        | 3.22%           | 0.376%        |
| 17        | 10.522      | 736           | 738         | 742          | rBV      | 51942          | 84513         | 2.06%           | 0.240%        |
| 18        | 10.659      | 748           | 750         | 753          | rBV2     | 526334         | 595173        | 14.51%          | 1.693%        |
| 19        | 10.785      | 759           | 761         | 764          | rBV      | 169755         | 267883        | 6.53%           | 0.762%        |
| 20        | 11.231      | 798           | 800         | 801          | rBV      | 155837         | 154143        | 3.76%           | 0.439%        |
| 21        | 11.253      | 801           | 802         | 805          | rVB      | 58499          | 64484         | 1.57%           | 0.183%        |
| 22        | 11.356      | 809           | 811         | 814          | rBV      | 1258604        | 1331701       | 32.47%          | 3.789%        |
| 23        | 11.653      | 835           | 837         | 839          | rBV      | 126409         | 98722         | 2.41%           | 0.281%        |
| 24        | 12.053      | 871           | 872         | 875          | rBV      | 43140          | 57875         | 1.41%           | 0.165%        |
| 25        | 12.945      | 947           | 950         | 953          | rBV      | 3065177        | 3712483       | 90.53%          | 10.563%       |
| 26        | 13.425      | 990           | 992         | 995          | rBV      | 76712          | 73434         | 1.79%           | 0.209%        |
| 27        | 13.848      | 1026          | 1029        | 1036         | rBV      | 117405         | 218641        | 5.33%           | 0.622%        |
| 28        | 13.996      | 1040          | 1042        | 1045         | rBV      | 1283224        | 1229537       | 29.98%          | 3.498%        |
| 29        | 14.751      | 1106          | 1108        | 1113         | rBV3     | 34172          | 78079         | 1.90%           | 0.222%        |
| 30        | 14.831      | 1113          | 1115        | 1118         | rVB      | 36922          | 44052         | 1.07%           | 0.125%        |
| 31        | 15.425      | 1165          | 1167        | 1177         | rBV      | 654322         | 945022        | 23.04%          | 2.689%        |

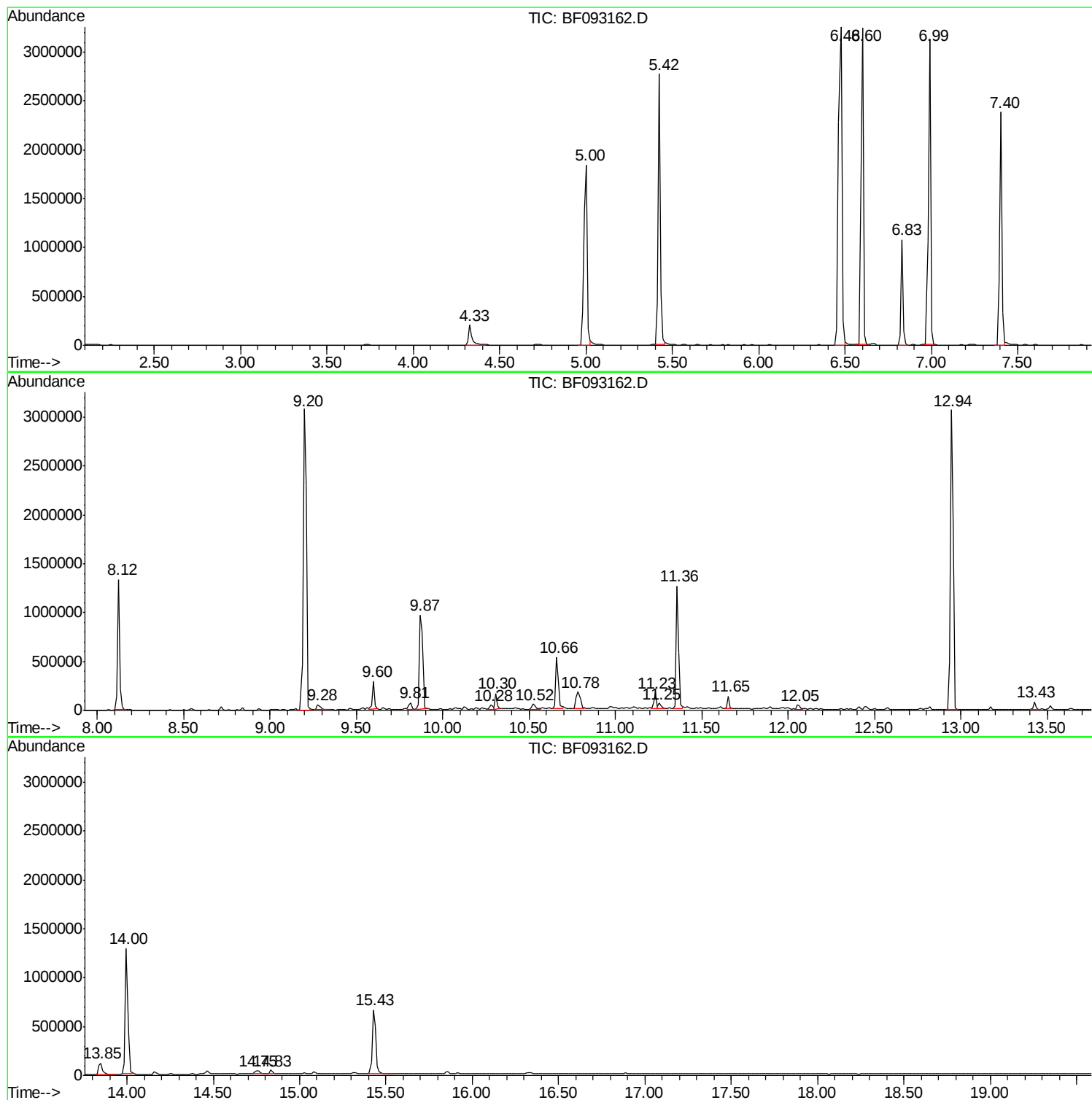
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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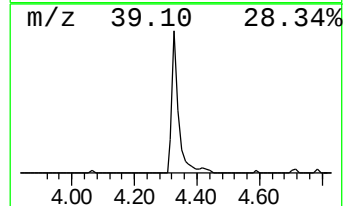
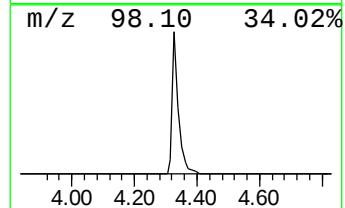
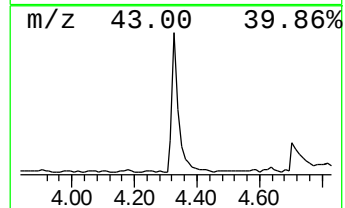
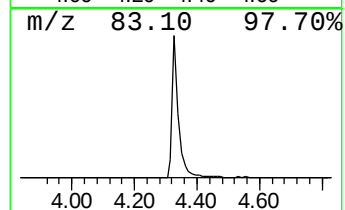
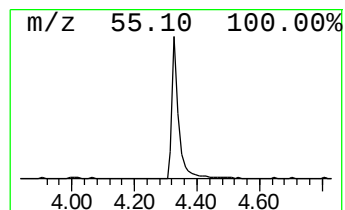
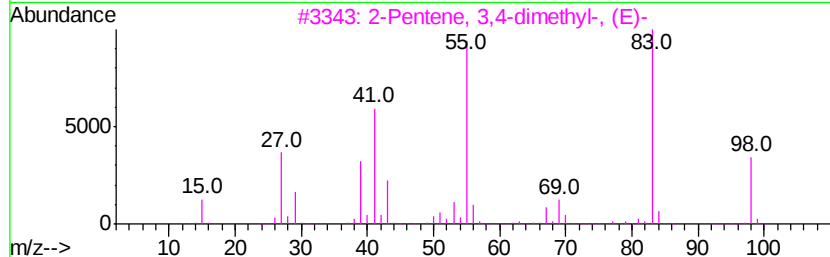
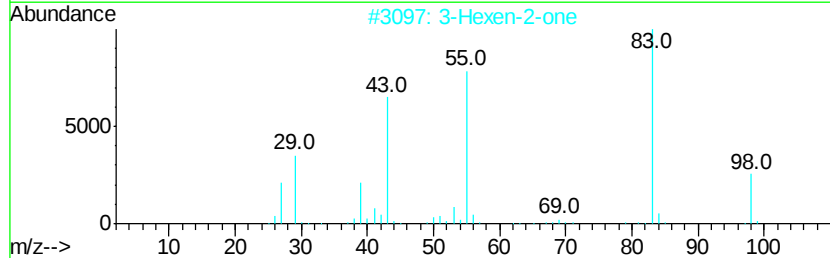
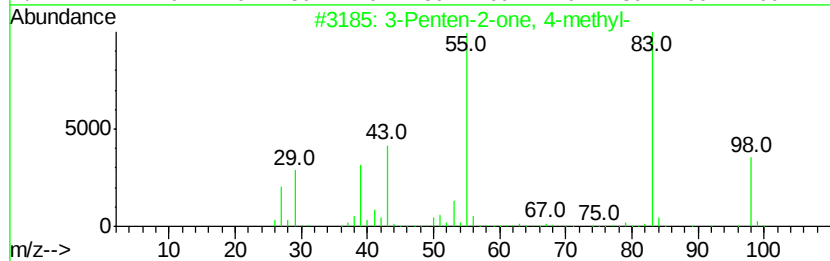
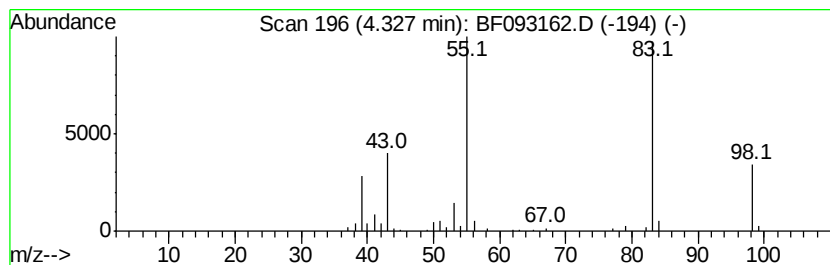
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 4

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.33 | 6.26 ng | 284802 | 1,4-Dichlorobenzene-d4 | 6.83 |

| Hit# | of | 5 | Tentative ID                   | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|----|---------|-------------|------|
| 1    |    |   | 3-Penten-2-one, 4-methyl-      | 98 | C6H10O  | 000141-79-7 | 95   |
| 2    |    |   | 3-Hexen-2-one                  | 98 | C6H10O  | 000763-93-9 | 91   |
| 3    |    |   | 2-Pentene, 3,4-dimethyl-, (E)- | 98 | C7H14   | 004914-92-5 | 90   |
| 4    |    |   | 2-Pentene, 2,4-dimethyl-       | 98 | C7H14   | 000625-65-0 | 86   |
| 5    |    |   | 2-Pentene, 3,4-dimethyl-, (Z)- | 98 | C7H14   | 004914-91-4 | 86   |



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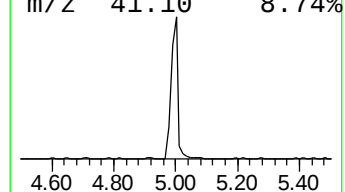
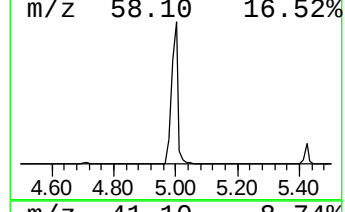
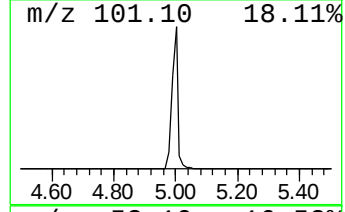
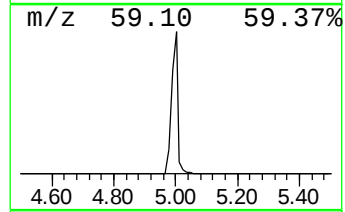
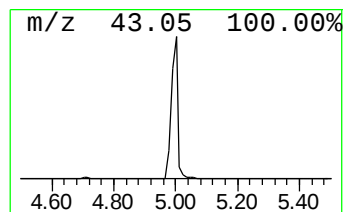
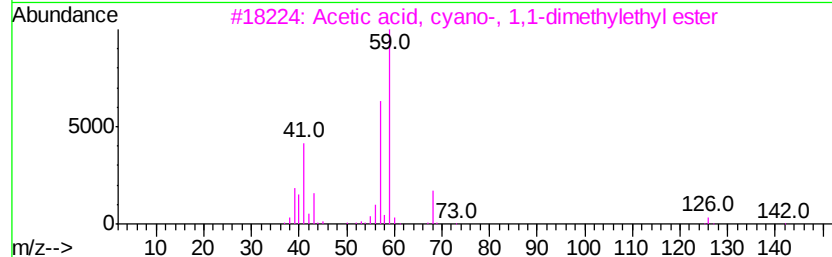
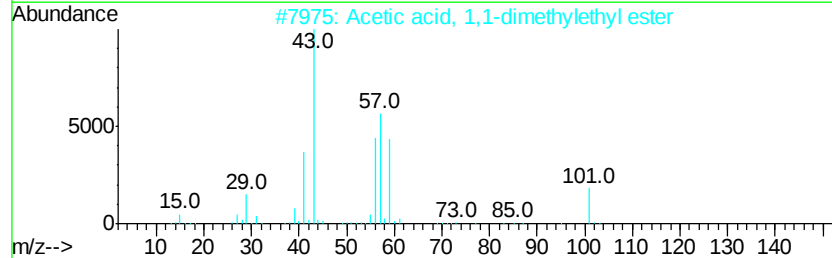
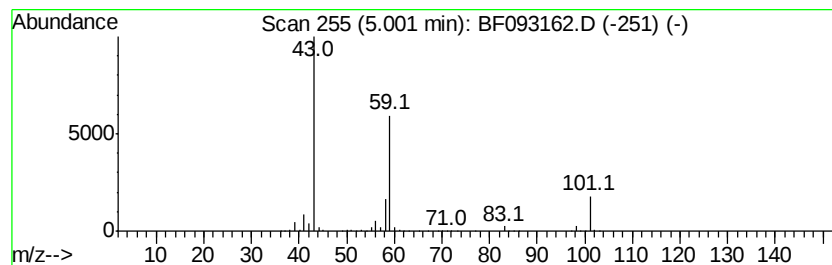
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TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 5.00 | 56.98 ng | 2590430 | 1,4-Dichlorobenzene-d4 | 6.83 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 59   |
| 2    |    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2  | 000540-88-5 | 39   |
| 3    |    | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25   |
| 4    |    | 3-Hydroxy-3-methyl-2-butanone       | 102 | C5H10O2  | 000115-22-0 | 9    |
| 5    |    | 1,2-Butanediol, (.+/-.)-            | 90  | C4H10O2  | 026171-83-5 | 9    |



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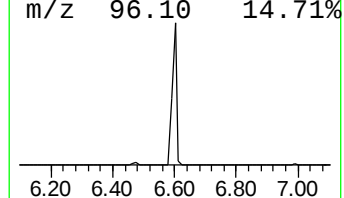
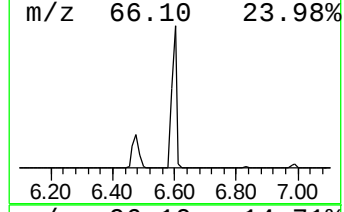
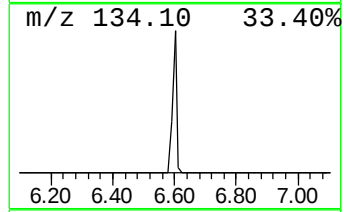
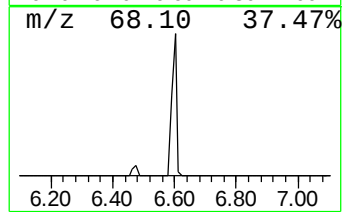
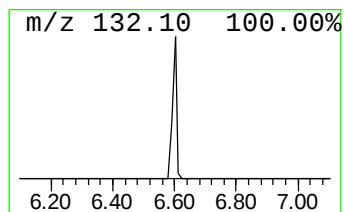
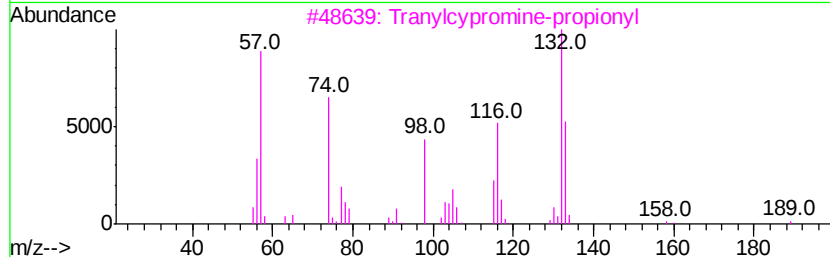
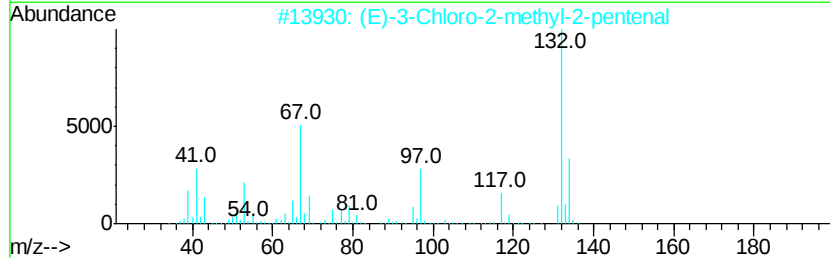
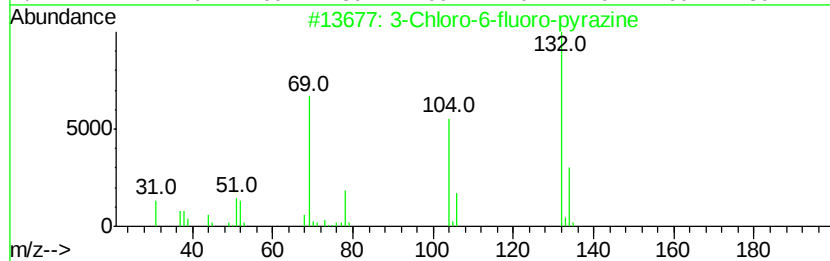
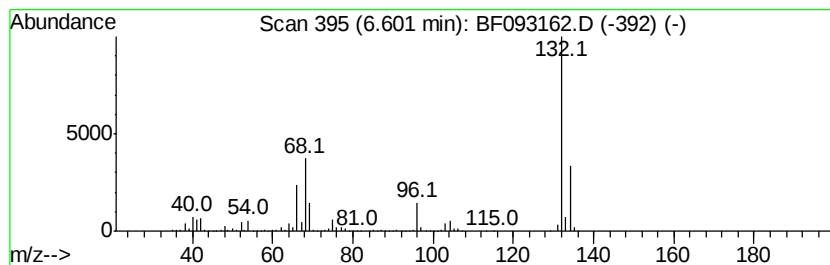
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 unknown6.60 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.60 | 74.09 ng | 3368130 | 1,4-Dichlorobenzene-d4 | 6.83 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3    |    | Tranvlcypropine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |
| 5    |    | Benzene, 1,3,5-trifluoro-        | 132 | C6H3F3    | 000372-38-3  | 9    |



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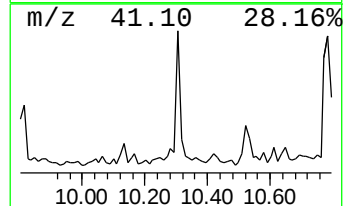
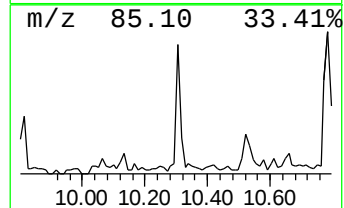
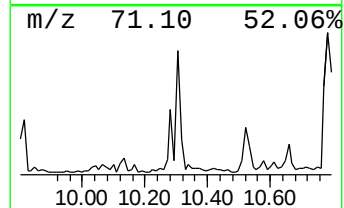
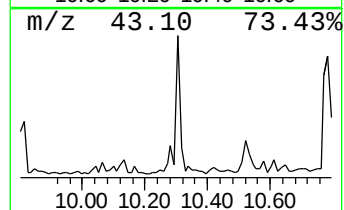
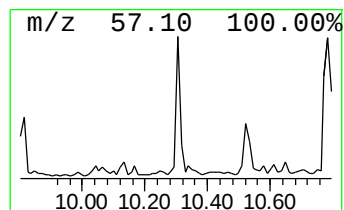
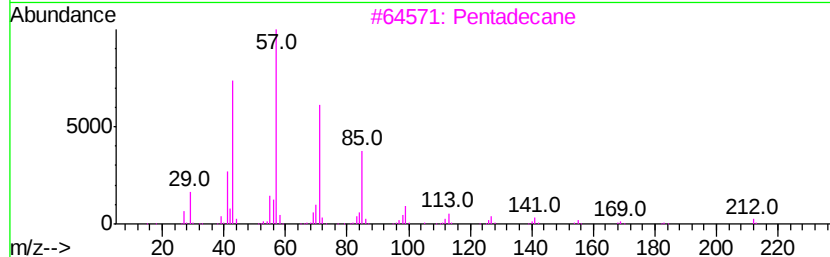
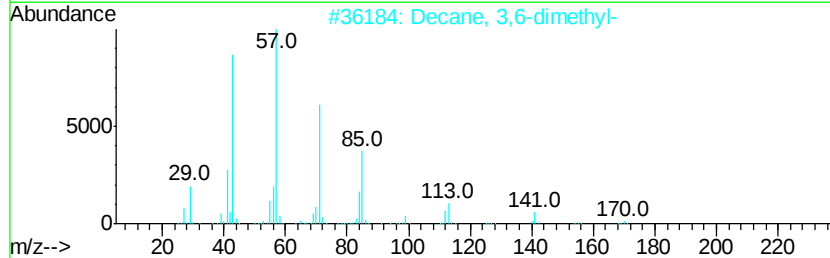
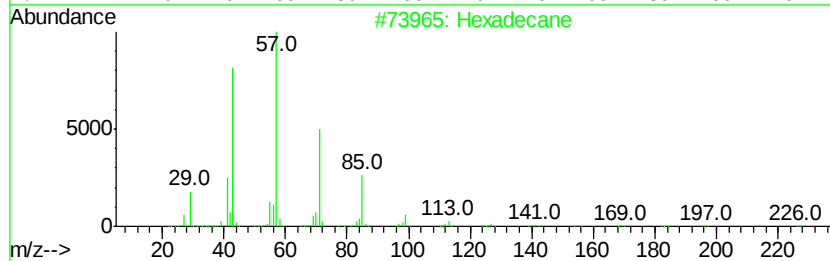
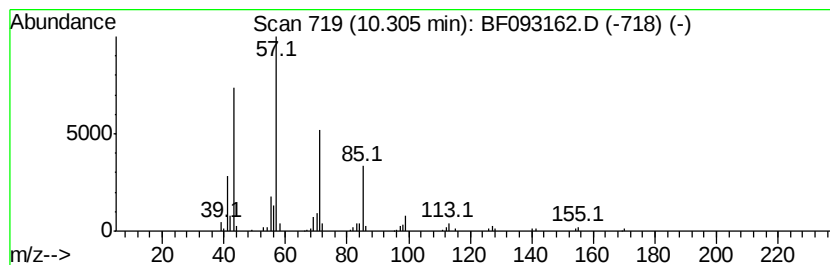
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\*\*\*\*\*  
Peak Number 5 Hexadecane Concentration Rank 8

| R.T.    | EstConc               | Area         | Relative to ISTD | R.T.      |
|---------|-----------------------|--------------|------------------|-----------|
| 10.30   | 2.11 ng               | 132063       | Acenaphthene-d10 | 9.87      |
| Hit# of | 5                     | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Hexadecane            | 226 C16H34   | 000544-76-3      | 91        |
| 2       | Decane, 3,6-dimethyl- | 170 C12H26   | 017312-53-7      | 90        |
| 3       | Pentadecane           | 212 C15H32   | 000629-62-9      | 90        |
| 4       | Tridecane             | 184 C13H28   | 000629-50-5      | 86        |
| 5       | Undecane, 2-methyl-   | 170 C12H26   | 007045-71-8      | 83        |



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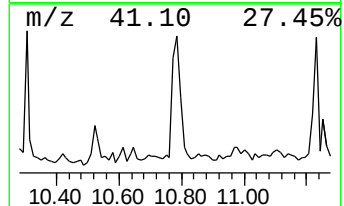
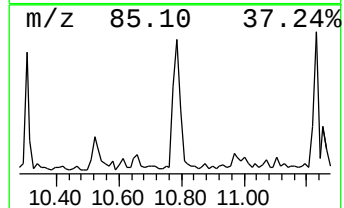
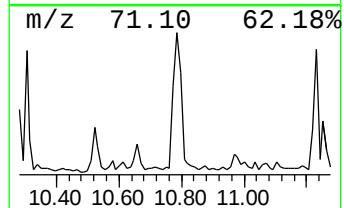
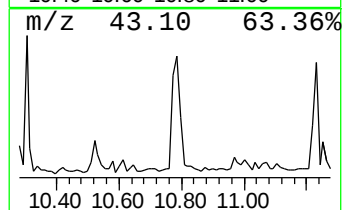
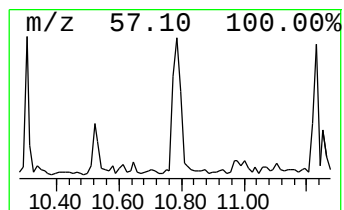
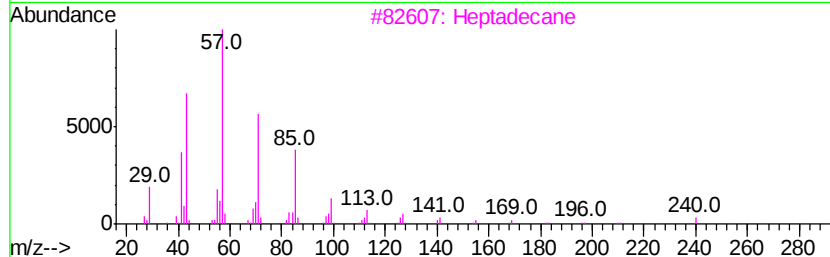
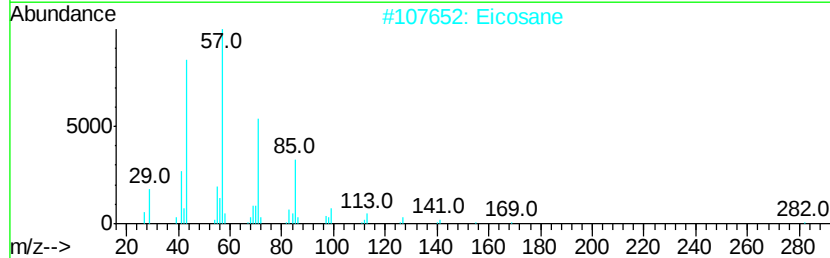
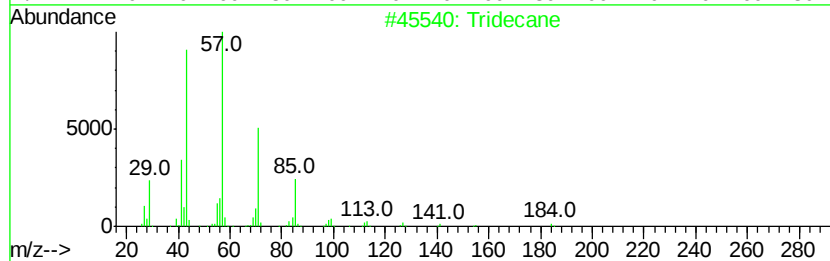
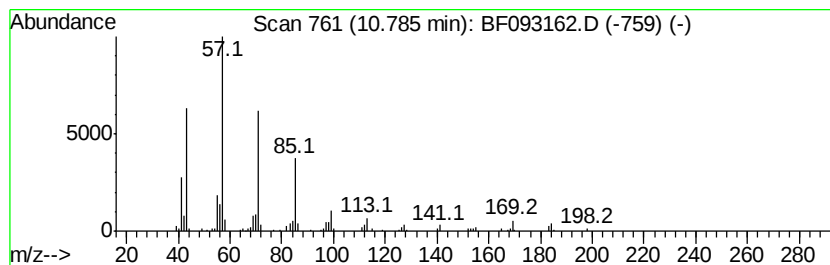
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Tridecane Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.78 | 4.02 ng | 267883 | Phenanthrene-d10 | 11.36 |

| Hit# of | 5                           | Tentative ID | MW  | MolForm     | CAS#        | Qual |
|---------|-----------------------------|--------------|-----|-------------|-------------|------|
| 1       | Tridecane                   |              | 184 | C13H28      | 000629-50-5 | 90   |
| 2       | Eicosane                    |              | 282 | C20H42      | 000112-95-8 | 87   |
| 3       | Heptadecane                 |              | 240 | C17H36      | 000629-78-7 | 86   |
| 4       | Silane, trichlorooctadecyl- |              | 386 | C18H37Cl3Si | 000112-04-9 | 86   |
| 5       | Pentadecane                 |              | 212 | C15H32      | 000629-62-9 | 83   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\  
Data File : BF093162.D  
Acq On : 24 Feb 2017 23:29  
Operator : SJ/MA  
Sample : I1957-09  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SRI-SB-5(8-10)20170222

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

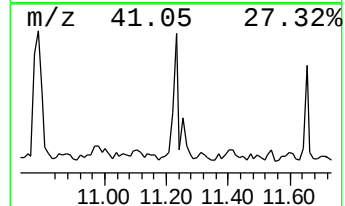
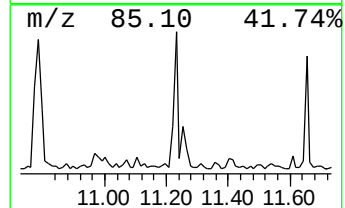
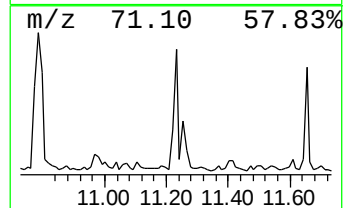
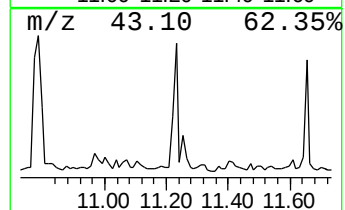
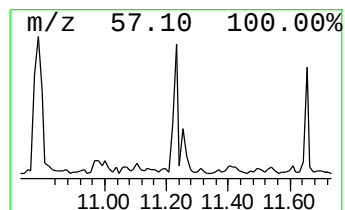
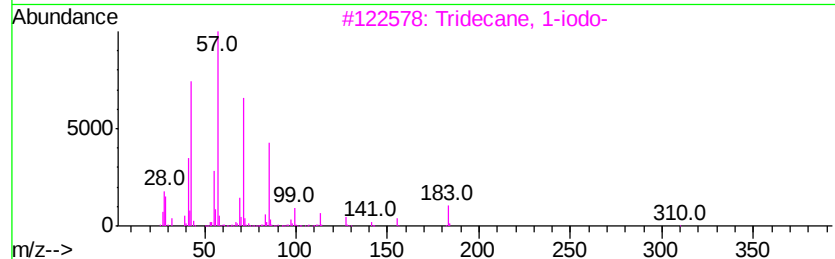
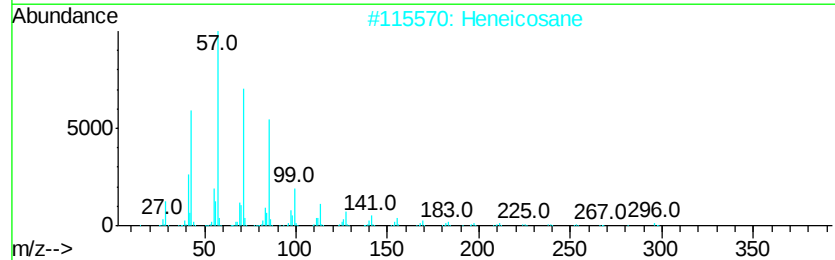
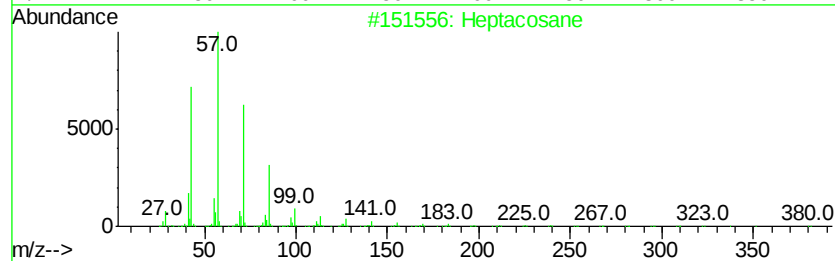
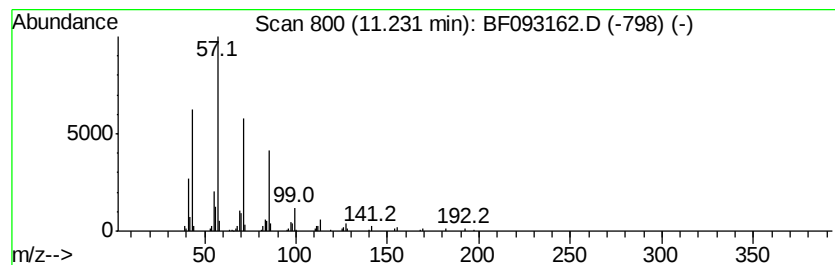
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Heptacosane Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.23 | 2.31 ng | 154143 | Phenanthrene-d10 | 11.36 |

| Hit# of | 5                  | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|--------------------|--------------|-----|---------|-------------|------|
| 1       | Heptacosane        |              | 380 | C27H56  | 000593-49-7 | 91   |
| 2       | Heneicosane        |              | 296 | C21H44  | 000629-94-7 | 90   |
| 3       | Tridecane, 1-iodo- |              | 310 | C13H27I | 035599-77-0 | 90   |
| 4       | Hexadecane         |              | 226 | C16H34  | 000544-76-3 | 90   |
| 5       | Heptadecane        |              | 240 | C17H36  | 000629-78-7 | 90   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\  
Data File : BF093162.D  
Acq On : 24 Feb 2017 23:29  
Operator : SJ/MA  
Sample : I1957-09  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

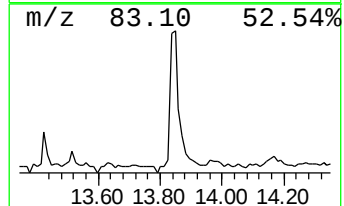
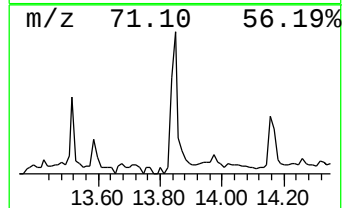
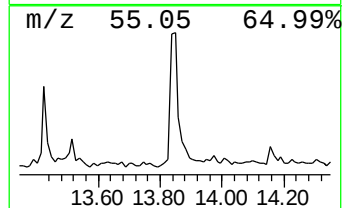
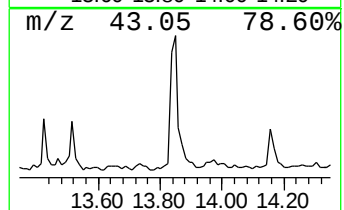
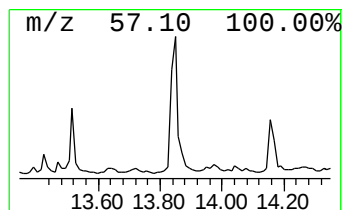
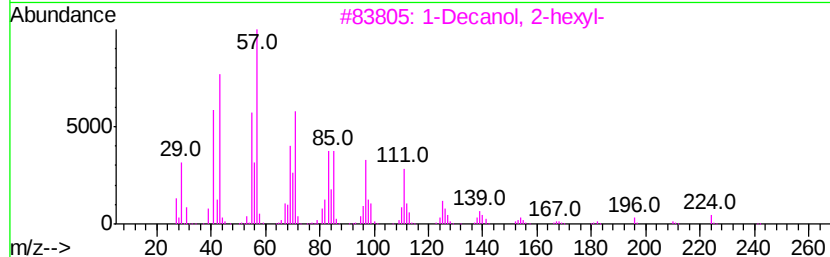
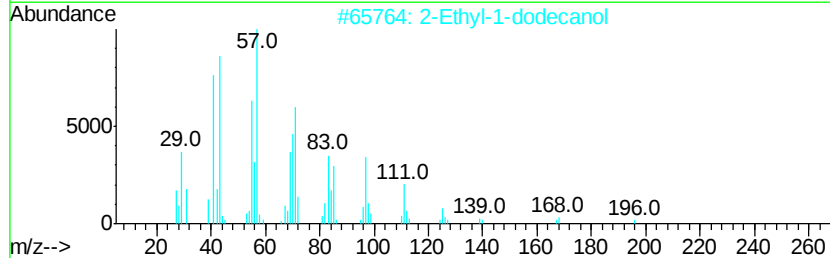
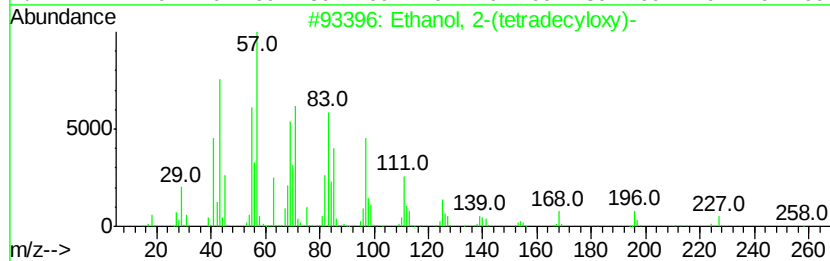
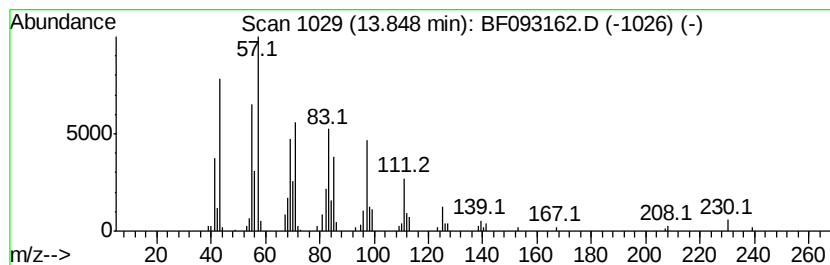
Instrument :  
BNA\_F  
ClientSampleId :  
SRI-SB-5(8-10)20170222

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 8 Ethanol, 2-(tetradecyloxy)- Concentration Rank 6

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.        |              |      |
|---------|---------|-------------------------------------|------------------|-------------|--------------|------|
| 13.85   | 3.56 ng | 218641                              | Chrysene-d12     | 14.00       |              |      |
| Hit# of | 5       | Tentative ID                        | MW               | MolForm     | CAS#         | Qual |
| 1       |         | Ethanol, 2-(tetradecyloxy)-         | 258              | C16H34O2    | 002136-70-1  | 91   |
| 2       |         | 2-Ethyl-1-dodecanol                 | 214              | C14H30O     | 019780-33-7  | 80   |
| 3       |         | 1-Decanol, 2-hexyl-                 | 242              | C16H34O     | 002425-77-6  | 74   |
| 4       |         | Pentafluoropropionic acid, hepta... | 402              | C20H35F5O2  | 1000283-04-2 | 68   |
| 5       |         | Trichloroacetic acid, hexadecyl ... | 386              | C18H33Cl3O2 | 074339-54-1  | 64   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF022417\  
Data File : BF093162.D  
Acq On : 24 Feb 2017 23:29  
Operator : SJ/MA  
Sample : I1957-09  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SRI-SB-5(8-10)20170222

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 3-Penten-2-one, 4... | 4.33  | 6.3     | ng    | 284802   | 1                     | 6.83  | 909200  | 20.0 |
| 2-Pentanone, 4-hy... | 5.00  | 57.0    | ng    | 2590430  | 1                     | 6.83  | 909200  | 20.0 |
| unknown6.60          | 6.60  | 74.1    | ng    | 3368130  | 1                     | 6.83  | 909200  | 20.0 |
| Hexadecane           | 10.30 | 2.1     | ng    | 132063   | 3                     | 9.87  | 1250840 | 20.0 |
| Tridecane            | 10.78 | 4.0     | ng    | 267883   | 4                     | 11.36 | 1331700 | 20.0 |
| Heptacosane          | 11.23 | 2.3     | ng    | 154143   | 4                     | 11.36 | 1331700 | 20.0 |
| Ethanol, 2-(tetra... | 13.85 | 3.6     | ng    | 218641   | 5                     | 14.00 | 1229540 | 20.0 |