

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF110116\  
 Data File : BF090965.D  
 Acq On : 1 Nov 2016 21:49  
 Operator : UM/SJ  
 Sample : H5463-05  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-3(0-2)

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-BF102616.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         | 3.584       | 126           | 131         | 136          | rBV      | 25334          | 49941         | 1.24%           | 0.148%        |
| 2         | 4.887       | 243           | 245         | 256          | rBV      | 506552         | 674466        | 16.74%          | 1.998%        |
| 3         | 5.333       | 281           | 284         | 286          | rBV      | 2349239        | 2840639       | 70.51%          | 8.415%        |
| 4         | 6.384       | 373           | 376         | 378          | rBV      | 2473787        | 3308826       | 82.13%          | 9.802%        |
| 5         | 6.499       | 384           | 386         | 389          | rBV      | 2705543        | 3106286       | 77.11%          | 9.202%        |
| 6         | 6.739       | 404           | 407         | 409          | rBV      | 900360         | 1049685       | 26.06%          | 3.110%        |
| 7         | 6.887       | 418           | 420         | 423          | rBV      | 2429502        | 2403697       | 59.67%          | 7.121%        |
| 8         | 7.299       | 454           | 456         | 459          | rBV      | 1714441        | 1772469       | 44.00%          | 5.251%        |
| 9         | 8.019       | 517           | 519         | 522          | rBV      | 1515771        | 1567294       | 38.90%          | 4.643%        |
| 10        | 9.105       | 611           | 614         | 616          | rBV      | 4076475        | 4028586       | 100.00%         | 11.935%       |
| 11        | 9.185       | 619           | 621         | 624          | rVB      | 45511          | 59979         | 1.49%           | 0.178%        |
| 12        | 9.493       | 646           | 648         | 651          | rBV      | 491525         | 572903        | 14.22%          | 1.697%        |
| 13        | 9.630       | 658           | 660         | 663          | rBV      | 34387          | 43369         | 1.08%           | 0.128%        |
| 14        | 9.722       | 663           | 668         | 670          | rBV      | 98226          | 126590        | 3.14%           | 0.375%        |
| 15        | 9.779       | 670           | 673         | 675          | rBV      | 1538060        | 1746578       | 43.35%          | 5.174%        |
| 16        | 10.213      | 709           | 711         | 713          | rVB      | 179898         | 170037        | 4.22%           | 0.504%        |
| 17        | 10.430      | 727           | 730         | 733          | rBV      | 68409          | 119776        | 2.97%           | 0.355%        |
| 18        | 10.556      | 739           | 741         | 744          | rBV2     | 1124281        | 1400109       | 34.75%          | 4.148%        |
| 19        | 10.693      | 751           | 753         | 757          | rVB      | 183638         | 299698        | 7.44%           | 0.888%        |
| 20        | 10.888      | 767           | 770         | 774          | rBV2     | 25460          | 72256         | 1.79%           | 0.214%        |
| 21        | 11.139      | 790           | 792         | 793          | rBV      | 131380         | 139423        | 3.46%           | 0.413%        |
| 22        | 11.162      | 793           | 794         | 797          | rVB      | 57255          | 64687         | 1.61%           | 0.192%        |
| 23        | 11.253      | 800           | 802         | 806          | rBV      | 1522143        | 1503016       | 37.31%          | 4.453%        |
| 24        | 11.333      | 806           | 809         | 811          | rVB2     | 42948          | 73309         | 1.82%           | 0.217%        |
| 25        | 11.562      | 827           | 829         | 831          | rBV      | 101967         | 82594         | 2.05%           | 0.245%        |
| 26        | 11.859      | 854           | 855         | 860          | rVB4     | 22092          | 50838         | 1.26%           | 0.151%        |
| 27        | 11.973      | 862           | 865         | 866          | rBV      | 42415          | 54240         | 1.35%           | 0.161%        |
| 28        | 12.305      | 892           | 894         | 896          | rBV2     | 34042          | 48685         | 1.21%           | 0.144%        |
| 29        | 12.362      | 896           | 899         | 900          | rVB2     | 39017          | 55999         | 1.39%           | 0.166%        |
| 30        | 12.396      | 900           | 902         | 904          | rBV2     | 21418          | 40921         | 1.02%           | 0.121%        |
| 31        | 12.465      | 906           | 908         | 910          | rBV      | 142403         | 142962        | 3.55%           | 0.424%        |
| 32        | 12.693      | 924           | 928         | 930          | rBV2     | 115912         | 186439        | 4.63%           | 0.552%        |
| 33        | 12.842      | 939           | 941         | 944          | rBV      | 3346575        | 3008774       | 74.69%          | 8.914%        |
| 34        | 13.334      | 981           | 984         | 986          | rBV      | 107361         | 229851        | 5.71%           | 0.681%        |

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ClientSampleId :  
SB-3(0-2)

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

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |     |        |         |        |        |
|----|--------|------|------|------|-----|--------|---------|--------|--------|
| 35 | 13.745 | 1018 | 1020 | 1024 | rBV | 286434 | 359117  | 8.91%  | 1.064% |
| 36 | 13.894 | 1030 | 1033 | 1035 | rBV | 853517 | 1111498 | 27.59% | 3.293% |
| 37 | 15.288 | 1152 | 1155 | 1165 | rVB | 779930 | 1083413 | 26.89% | 3.210% |
| 38 | 17.014 | 1303 | 1306 | 1310 | rVB | 51195  | 106223  | 2.64%  | 0.315% |

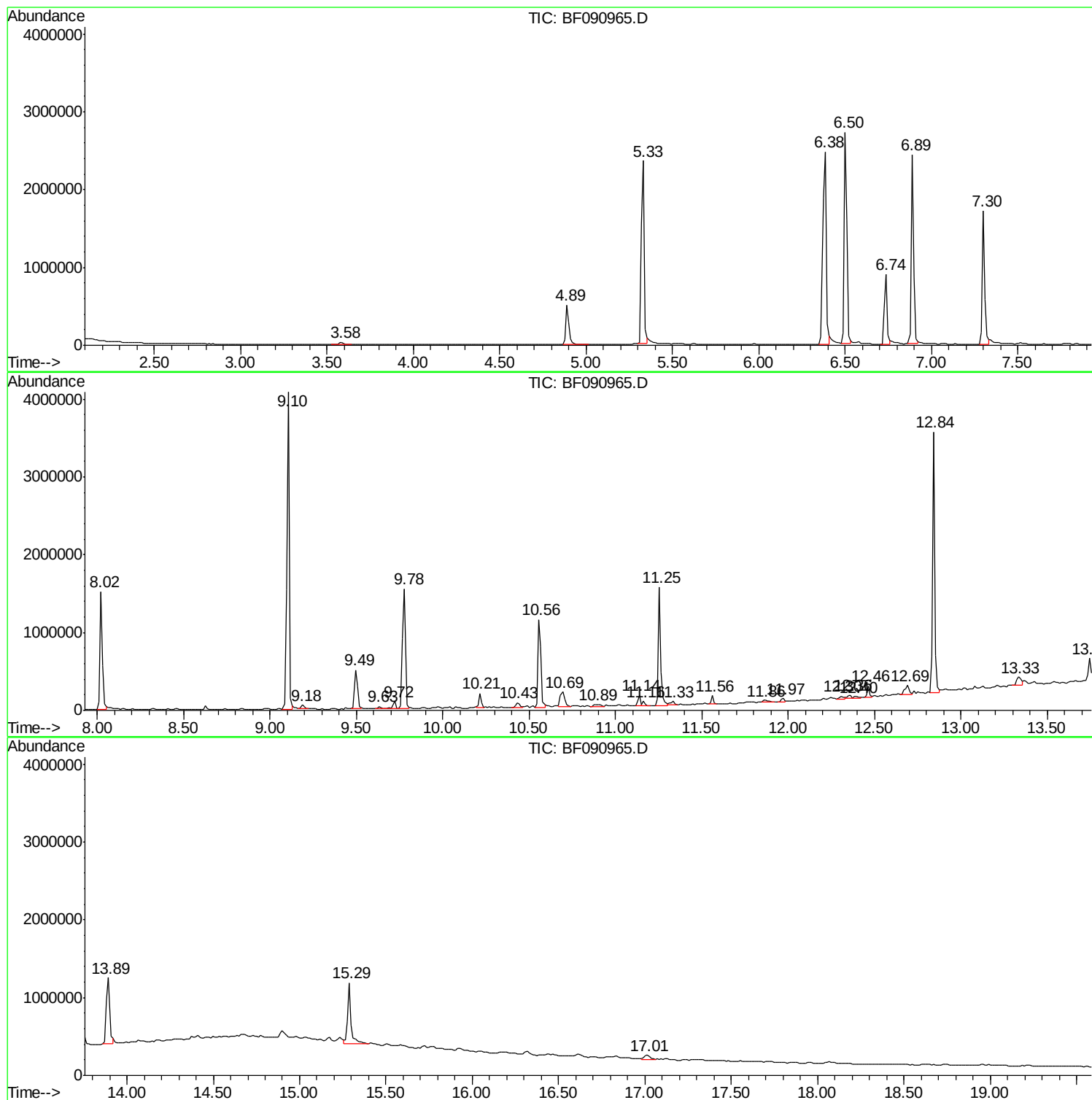
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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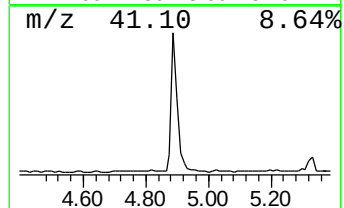
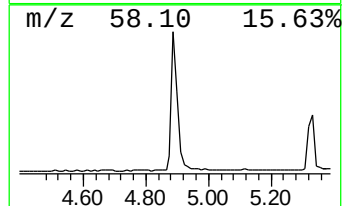
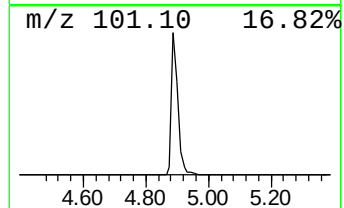
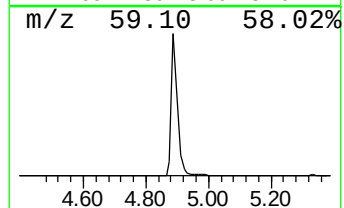
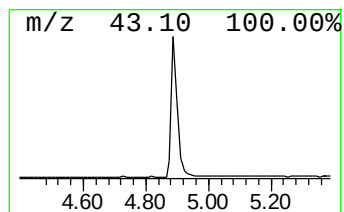
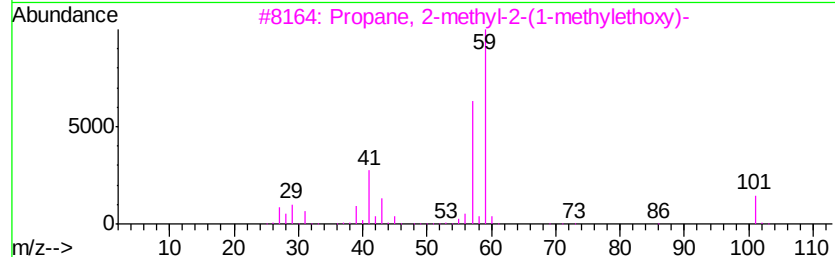
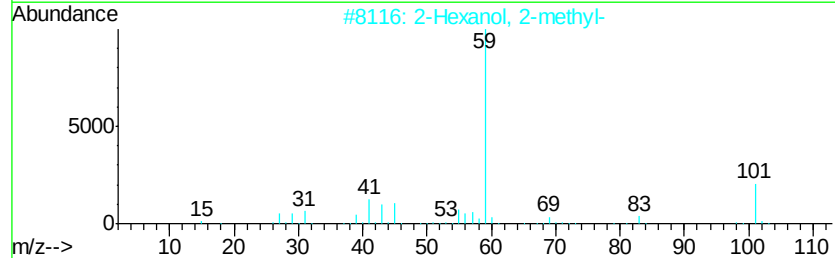
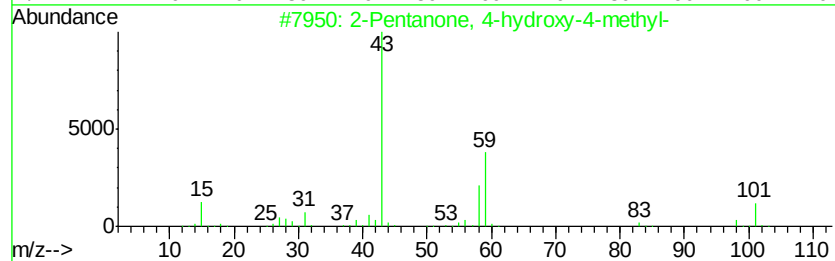
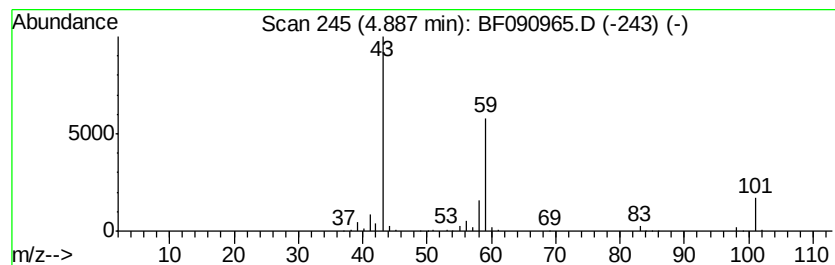
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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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. |
|------|----------|--------|------------------------|------|
| 4.89 | 12.85 ng | 674466 | 1,4-Dichlorobenzene-d4 | 6.74 |

| Hit# | of | 5 | Tentative ID                          | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-      | 116 | C6H12O2  | 000123-42-2 | 59   |
| 2    |    |   | 2-Hexanol, 2-methyl-                  | 116 | C7H16O   | 000625-23-0 | 33   |
| 3    |    |   | Propane, 2-methyl-2-(1-methylethoxy)- | 116 | C7H16O   | 017348-59-3 | 33   |
| 4    |    |   | 3-Hexanol, 4-methyl-                  | 116 | C7H16O   | 000615-29-2 | 33   |
| 5    |    |   | Acetic acid, cyano-, 1,1-dimethyl-    | 141 | C7H11NO2 | 001116-98-9 | 25   |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

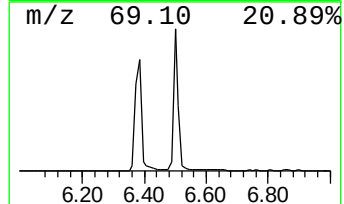
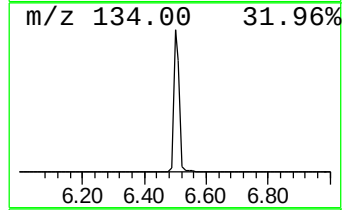
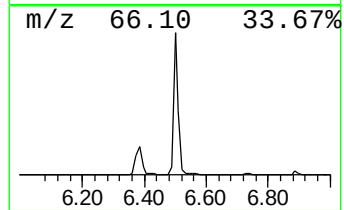
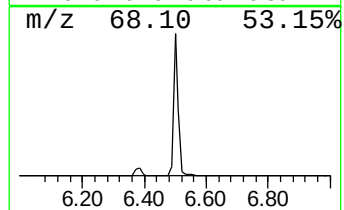
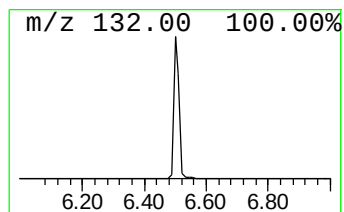
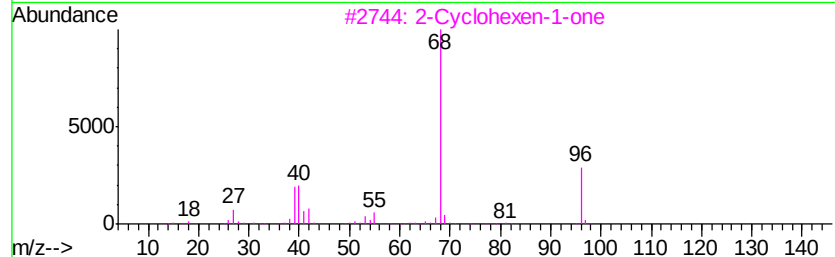
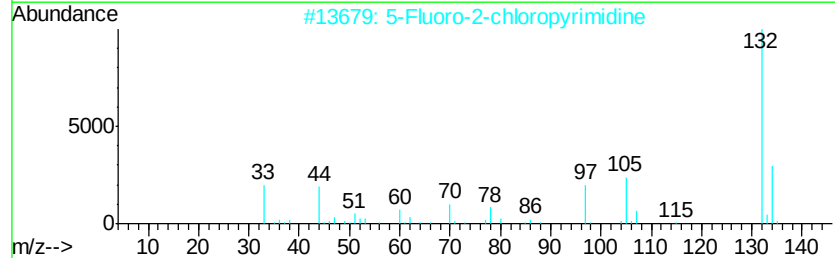
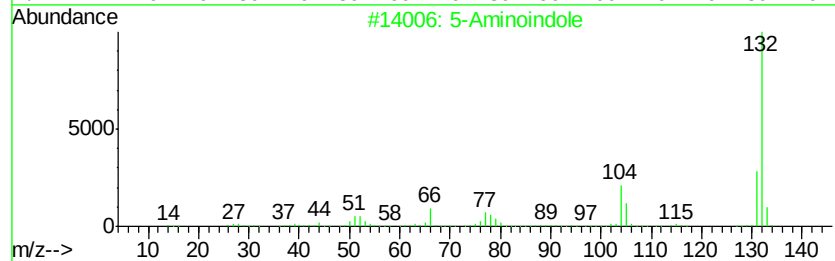
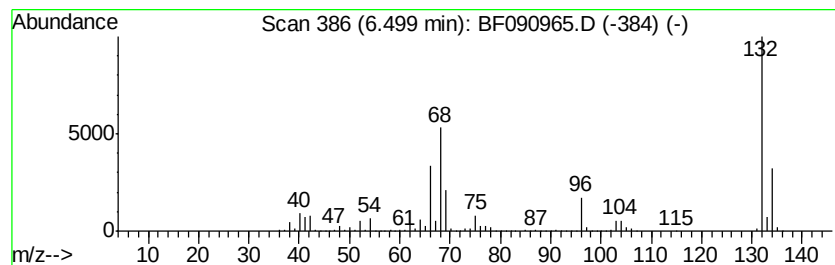
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown6.50 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.50 | 59.19 ng | 3106290 | 1,4-Dichlorobenzene-d4 | 6.74 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 22   |
| 2    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 3    |    | 2-Cyclohexen-1-one                  | 96  | C6H8O     | 000930-68-7  | 11   |
| 4    |    | Tranvlcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 5    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |



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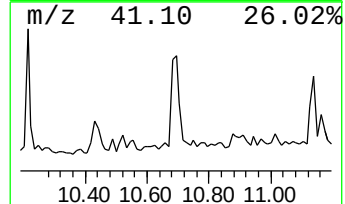
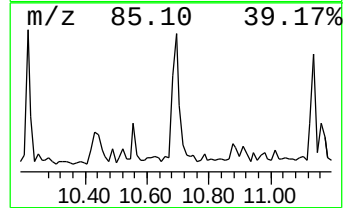
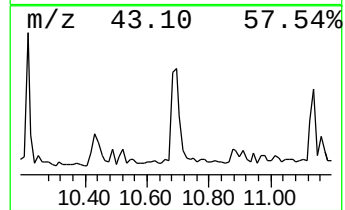
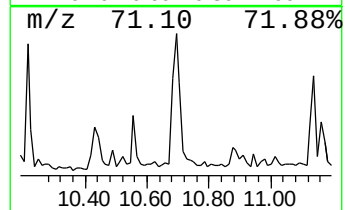
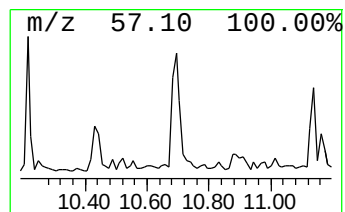
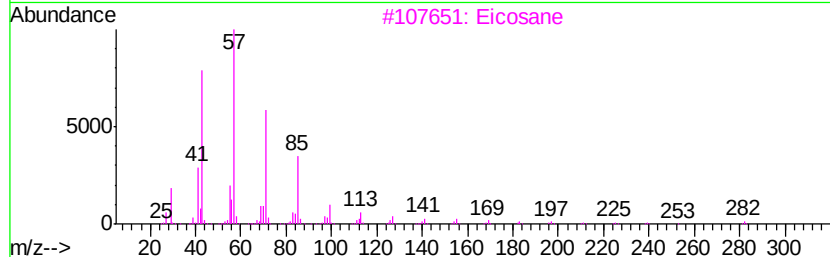
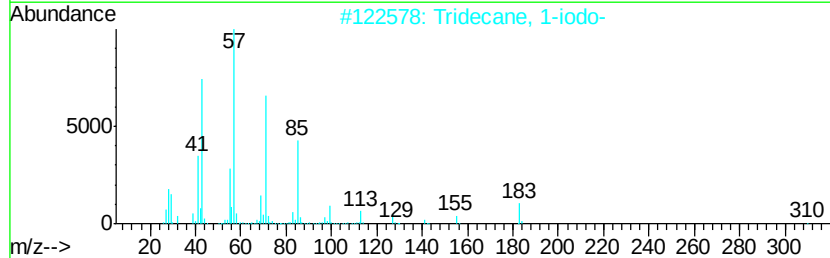
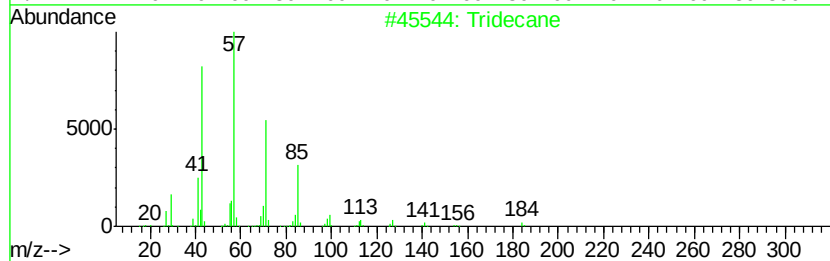
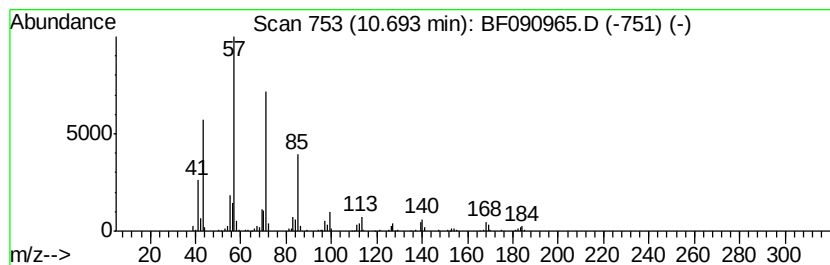
Instrument :  
BNA\_F  
ClientSampleId :  
SB-3(0-2)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102616.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 4 Tridecane Concentration Rank 6

| R.T.      | EstConc                | Area   | Relative to ISTD | R.T.        |      |
|-----------|------------------------|--------|------------------|-------------|------|
| 10.69     | 3.99 ng                | 299698 | Phenanthrene-d10 | 11.25       |      |
| Hit# of 5 | Tentative ID           | MW     | MolForm          | CAS#        | Qual |
| 1         | Tridecane              | 184    | C13H28           | 000629-50-5 | 93   |
| 2         | Tridecane, 1-iodo-     | 310    | C13H27I          | 035599-77-0 | 86   |
| 3         | Eicosane               | 282    | C20H42           | 000112-95-8 | 86   |
| 4         | Pentadecane, 7-methyl- | 226    | C16H34           | 006165-40-8 | 86   |
| 5         | Heptacosane            | 380    | C27H56           | 000593-49-7 | 83   |



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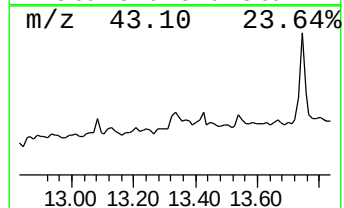
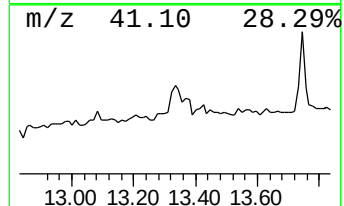
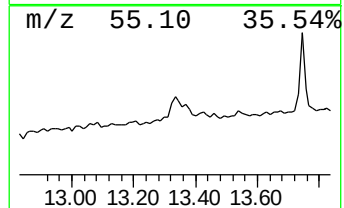
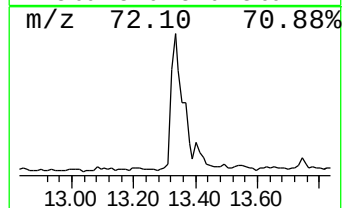
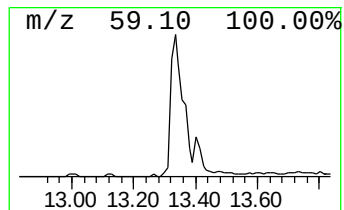
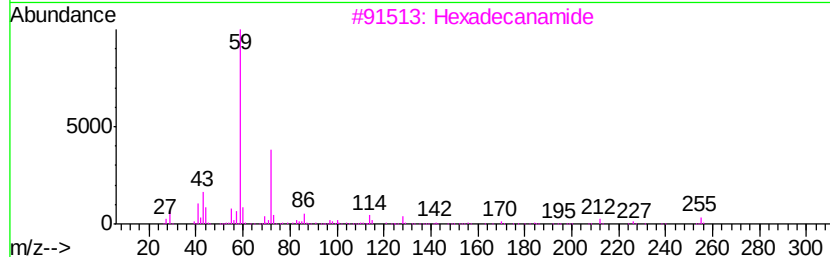
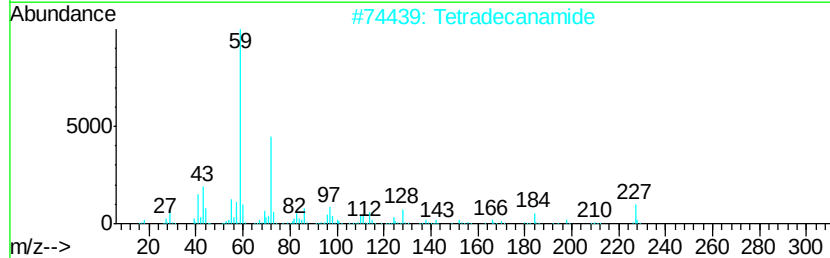
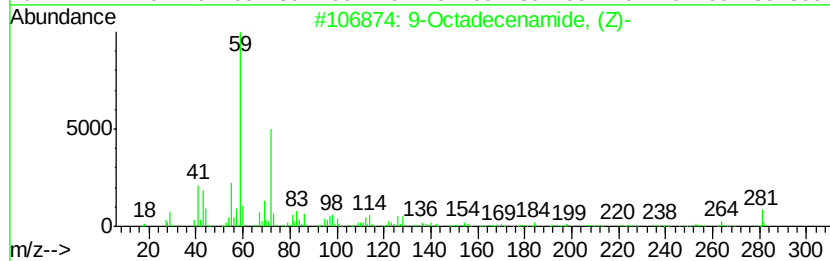
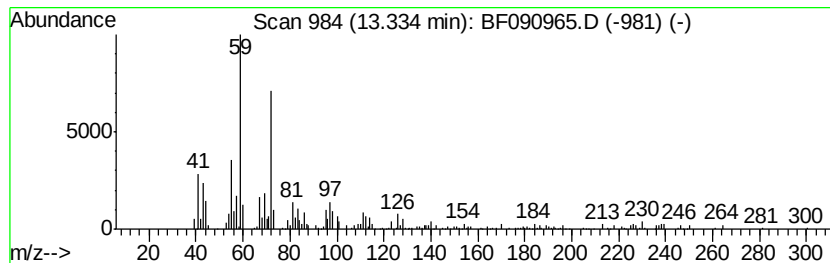
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 9-Octadecenamide, (Z)- Concentration Rank 5

| R.T.      | EstConc                | Area   | Relative to ISTD | R.T.        |      |
|-----------|------------------------|--------|------------------|-------------|------|
| 13.33     | 4.14 ng                | 229851 | Chrysene-d12     | 13.89       |      |
| Hit# of 5 | Tentative ID           | MW     | MolForm          | CAS#        | Qual |
| 1         | 9-Octadecenamide, (Z)- | 281    | C18H35NO         | 000301-02-0 | 86   |
| 2         | Tetradecanamide        | 227    | C14H29NO         | 000638-58-4 | 72   |
| 3         | Hexadecanamide         | 255    | C16H33NO         | 000629-54-9 | 64   |
| 4         | Pentanamide, 4-methyl- | 115    | C6H13NO          | 001119-29-5 | 53   |
| 5         | Dodecanamide           | 199    | C12H25NO         | 001120-16-7 | 52   |



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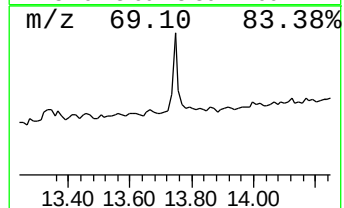
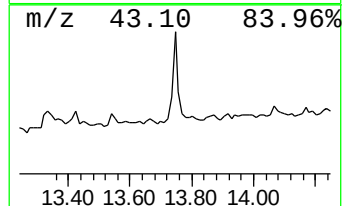
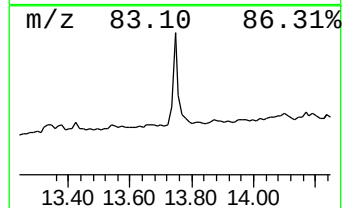
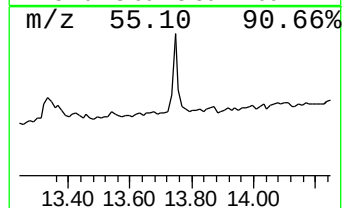
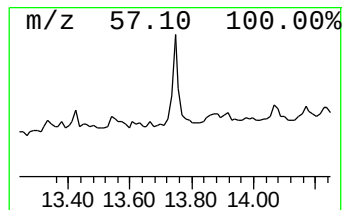
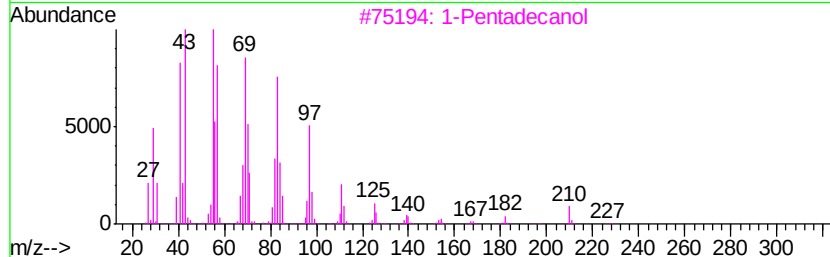
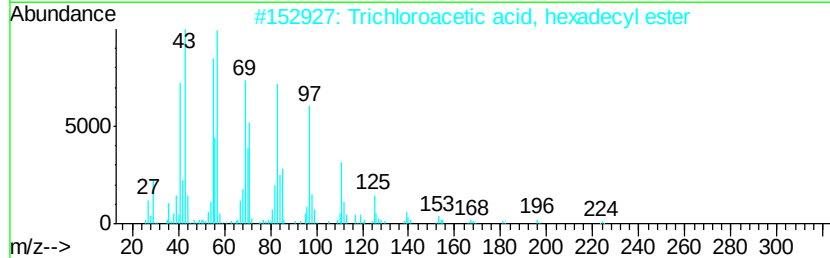
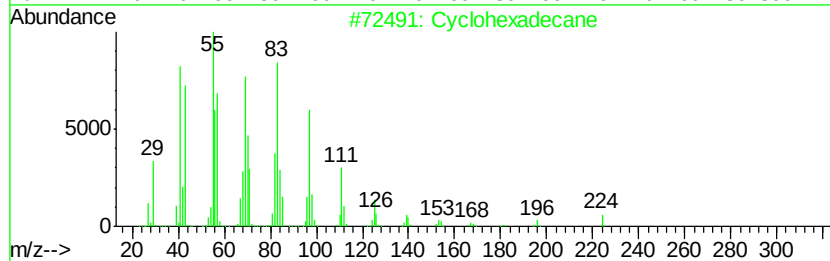
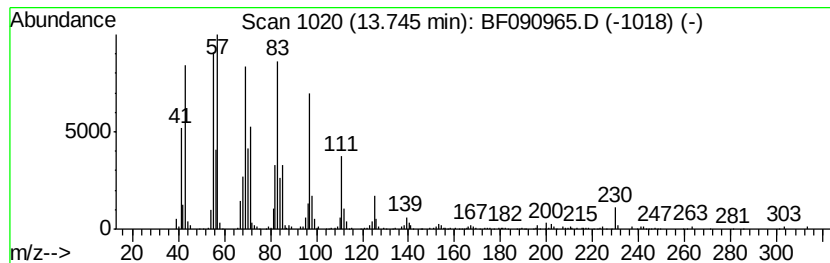
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Cyclohexadecane Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.74 | 6.46 ng | 359117 | Chrysene-d12     | 13.89 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|---------|---|-------------------------------------|-----|-------------|--------------|------|
| 1       |   | Cyclohexadecane                     | 224 | C16H32      | 000295-65-8  | 98   |
| 2       |   | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1  | 94   |
| 3       |   | 1-Pentadecanol                      | 228 | C15H32O     | 000629-76-5  | 93   |
| 4       |   | 2-Chloropropionic acid, pentade...  | 318 | C18H35ClO2  | 1000292-44-1 | 91   |
| 5       |   | 1-Nonadecene                        | 266 | C19H38      | 018435-45-5  | 91   |





Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF110116\  
Data File : BF090965.D  
Acq On : 1 Nov 2016 21:49  
Operator : UM/SJ  
Sample : H5463-05  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-3(0-2)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102616.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 |
| 2-Pentanone, 4-hy...  | 4.89  | 12.9    | ng    | 674466   | 1                       | 6.74  | 1049690 | 20.0 |
| unknown6.50           | 6.50  | 59.2    | ng    | 3106290  | 1                       | 6.74  | 1049690 | 20.0 |
| Tridecane             | 10.69 | 4.0     | ng    | 299698   | 4                       | 11.25 | 1503020 | 20.0 |
| 9-Octadecenamide, ... | 13.33 | 4.1     | ng    | 229851   | 5                       | 13.89 | 1111500 | 20.0 |
| Cyclohexadecane       | 13.74 | 6.5     | ng    | 359117   | 5                       | 13.89 | 1111500 | 20.0 |