

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032116\  
 Data File : BF085632.D  
 Acq On : 21 Mar 2016 19:59  
 Operator : UM/SJ  
 Sample : H1841-02  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOUTH-WALL(3-5)

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-BF031816.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         | 5.030       | 238           | 240         | 248          | rBV      | 220101         | 352615        | 10.87%          | 1.290%        |
| 2         | 5.453       | 273           | 277         | 279          | rBV      | 2274589        | 3244527       | 100.00%         | 11.872%       |
| 3         | 6.481       | 364           | 367         | 369          | rBV      | 2659115        | 2977292       | 91.76%          | 10.894%       |
| 4         | 6.607       | 376           | 378         | 381          | rBV      | 2467783        | 3128395       | 96.42%          | 11.447%       |
| 5         | 6.836       | 396           | 398         | 401          | rBV      | 505620         | 661451        | 20.39%          | 2.420%        |
| 6         | 6.996       | 410           | 412         | 415          | rBV      | 2295892        | 2420500       | 74.60%          | 8.857%        |
| 7         | 7.407       | 445           | 448         | 451          | rBV      | 1882888        | 1938271       | 59.74%          | 7.092%        |
| 8         | 8.127       | 508           | 511         | 513          | rBV      | 1089345        | 925762        | 28.53%          | 3.388%        |
| 9         | 9.202       | 602           | 605         | 608          | rBV      | 3054528        | 3066998       | 94.53%          | 11.223%       |
| 10        | 9.602       | 638           | 640         | 641          | rBV      | 266459         | 333708        | 10.29%          | 1.221%        |
| 11        | 9.819       | 651           | 659         | 660          | rBV2     | 48985          | 79549         | 2.45%           | 0.291%        |
| 12        | 9.876       | 662           | 664         | 667          | rVB      | 866453         | 894421        | 27.57%          | 3.273%        |
| 13        | 10.310      | 701           | 702         | 704          | rVB      | 96137          | 83166         | 2.56%           | 0.304%        |
| 14        | 10.528      | 718           | 721         | 725          | rBV      | 34679          | 68082         | 2.10%           | 0.249%        |
| 15        | 10.665      | 731           | 733         | 736          | rBV2     | 1423545        | 1808508       | 55.74%          | 6.618%        |
| 16        | 10.790      | 742           | 744         | 750          | rBV      | 81446          | 140323        | 4.32%           | 0.513%        |
| 17        | 10.973      | 758           | 760         | 765          | rBV2     | 14224          | 34581         | 1.07%           | 0.127%        |
| 18        | 11.236      | 781           | 783         | 784          | rBV      | 44789          | 48455         | 1.49%           | 0.177%        |
| 19        | 11.362      | 792           | 794         | 796          | rBV      | 988017         | 825583        | 25.45%          | 3.021%        |
| 20        | 11.888      | 838           | 840         | 845          | rBV2     | 52455          | 72282         | 2.23%           | 0.264%        |
| 21        | 12.951      | 930           | 933         | 935          | rBV      | 2385194        | 2483620       | 76.55%          | 9.088%        |
| 22        | 13.179      | 949           | 953         | 955          | rBV      | 52748          | 52408         | 1.62%           | 0.192%        |
| 23        | 13.374      | 968           | 970         | 972          | rBV      | 41416          | 39336         | 1.21%           | 0.144%        |
| 24        | 13.522      | 980           | 983         | 985          | rBV      | 59949          | 56404         | 1.74%           | 0.206%        |
| 25        | 13.842      | 1009          | 1011        | 1017         | rBV      | 113590         | 156698        | 4.83%           | 0.573%        |
| 26        | 13.991      | 1022          | 1024        | 1027         | rBV2     | 572106         | 662187        | 20.41%          | 2.423%        |
| 27        | 14.162      | 1037          | 1039        | 1044         | rBV      | 50131          | 55369         | 1.71%           | 0.203%        |
| 28        | 14.471      | 1063          | 1066        | 1072         | rBV2     | 41037          | 74375         | 2.29%           | 0.272%        |
| 29        | 15.419      | 1146          | 1149        | 1155         | rBV      | 516569         | 643773        | 19.84%          | 2.356%        |

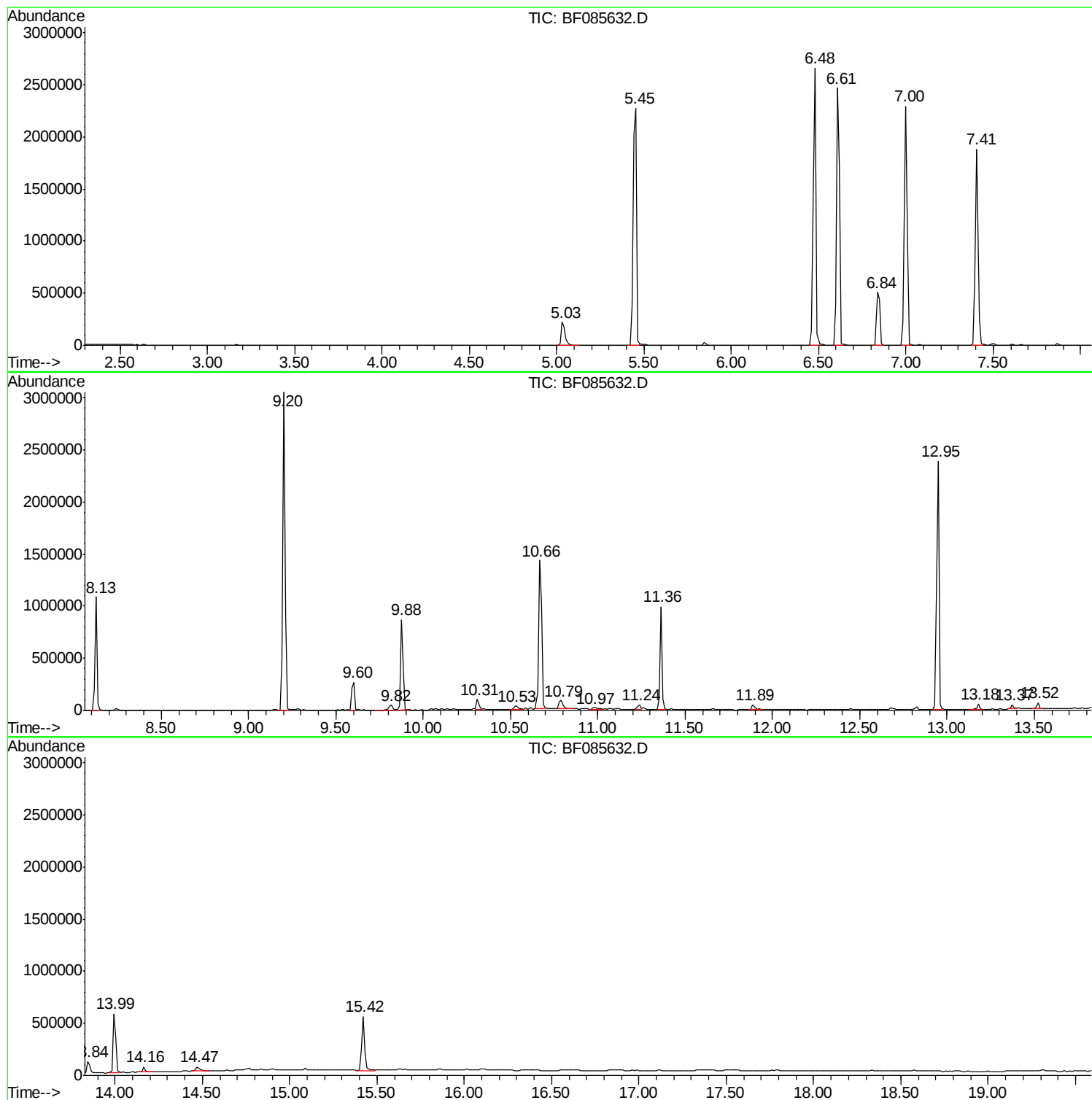
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SOUTH-WALL(3-5)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031816.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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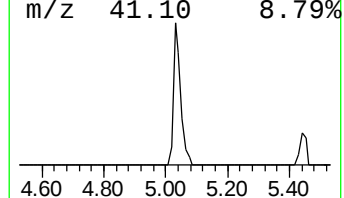
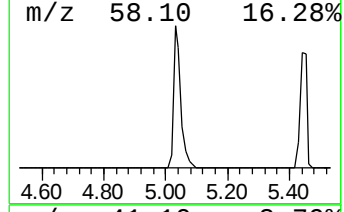
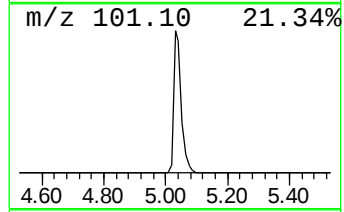
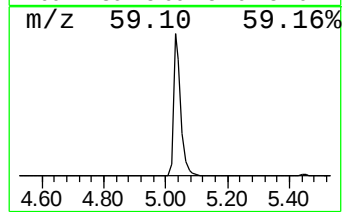
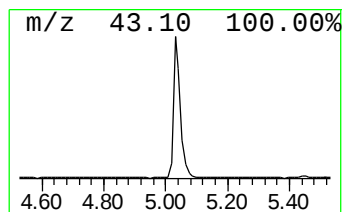
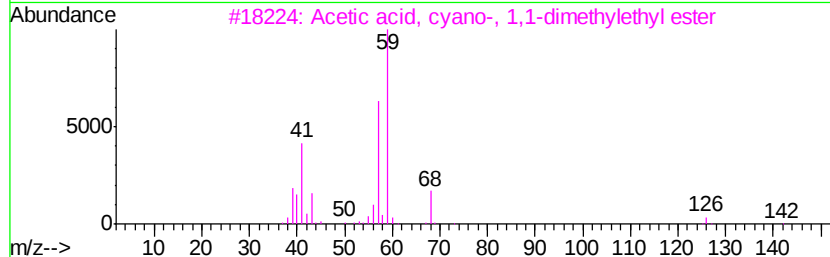
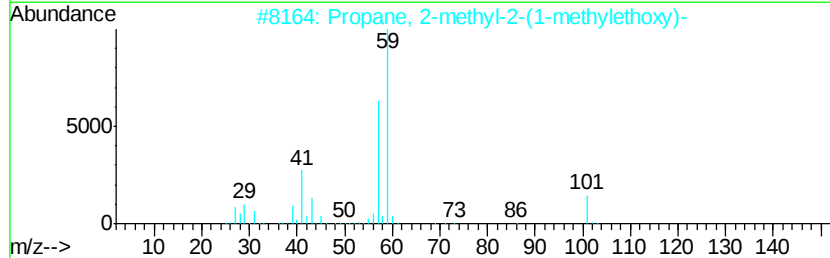
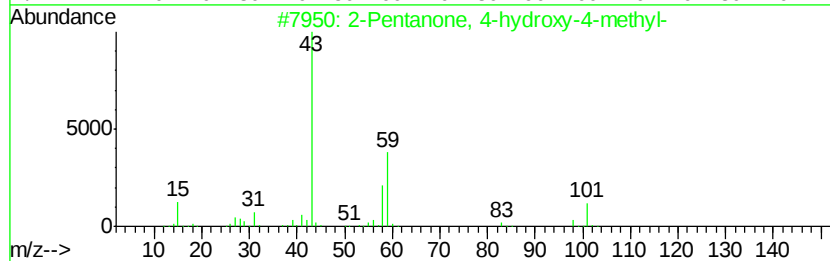
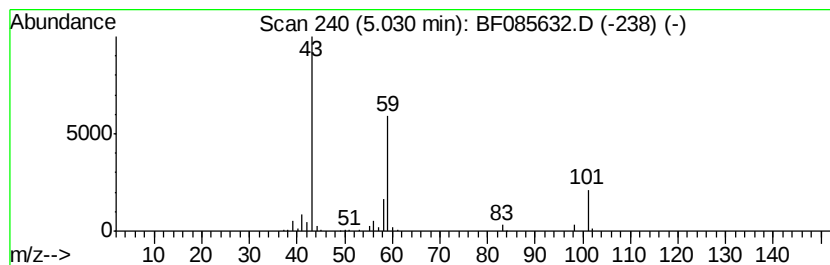
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.03 | 10.66 ng | 352615 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2    |    |   | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O   | 017348-59-3 | 23   |
| 3    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23   |
| 4    |    |   | 2,3-Butanedione, monooxime          | 101 | C4H7NO2  | 000057-71-6 | 9    |
| 5    |    |   | 5-Hexen-2-one                       | 98  | C6H10O   | 000109-49-9 | 9    |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

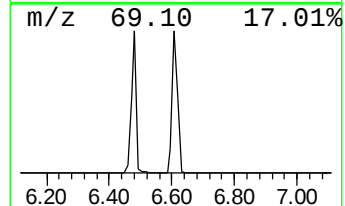
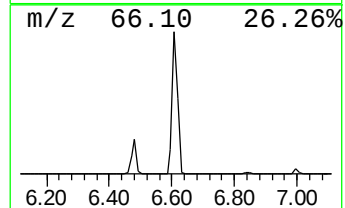
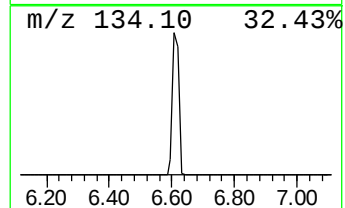
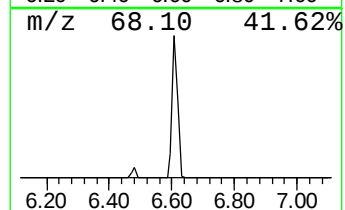
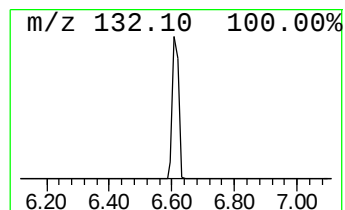
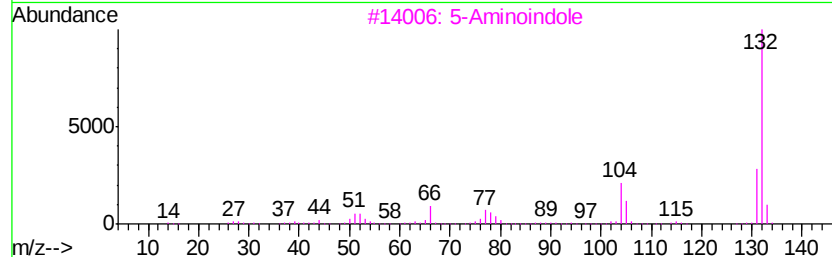
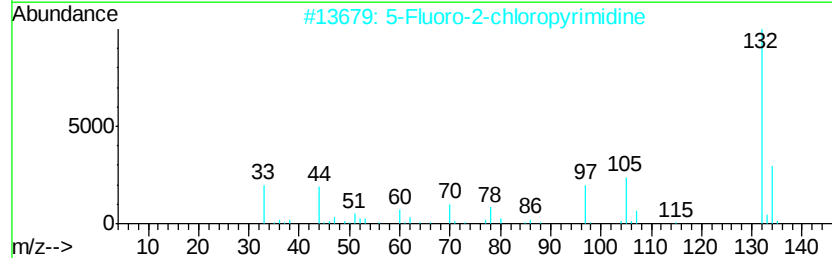
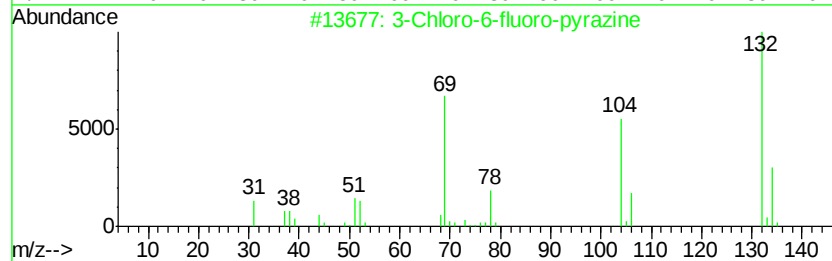
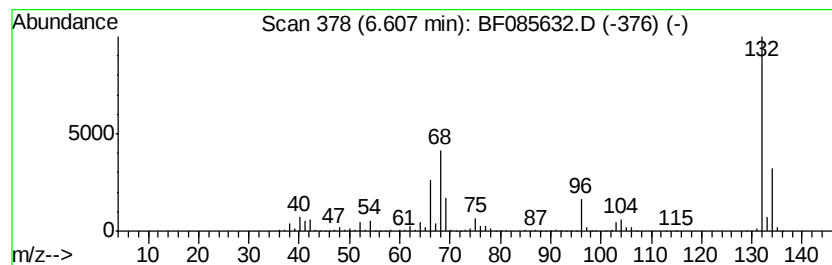
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown6.61 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.61 | 94.59 ng | 3128400 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# | of | Tentative ID                 | MW  | MolForm   | CAS#         | Qual |
|------|----|------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine   | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 5-Fluoro-2-chloropyrimidine  | 132 | C4H2ClFN2 | 062802-42-0  | 9    |
| 3    |    | 5-Aminoindole                | 132 | C8H8N2    | 005192-03-0  | 9    |
| 4    |    | 4-Chloro-2-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-00-5  | 9    |
| 5    |    | 1H-Benzimidazole, 2-methyl-  | 132 | C8H8N2    | 000615-15-6  | 9    |



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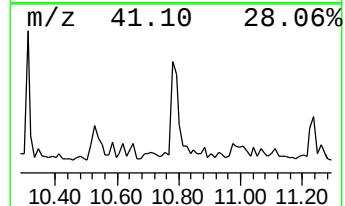
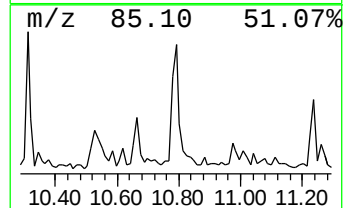
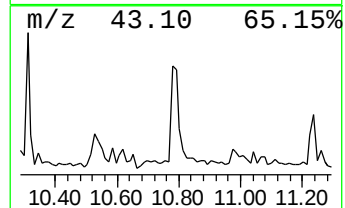
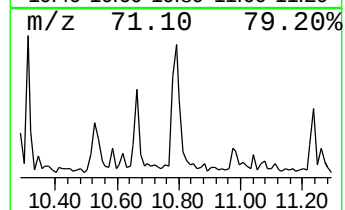
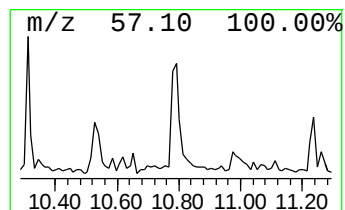
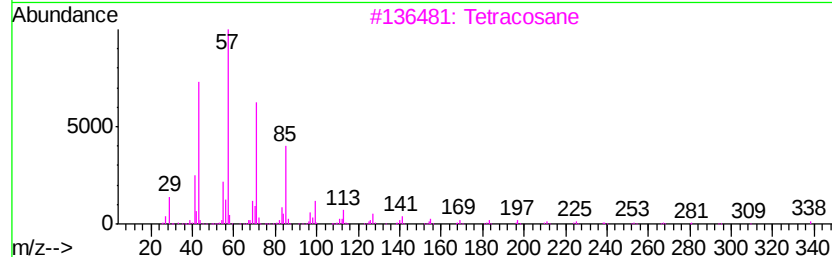
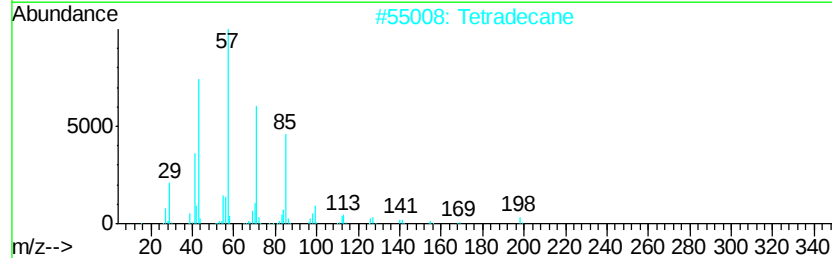
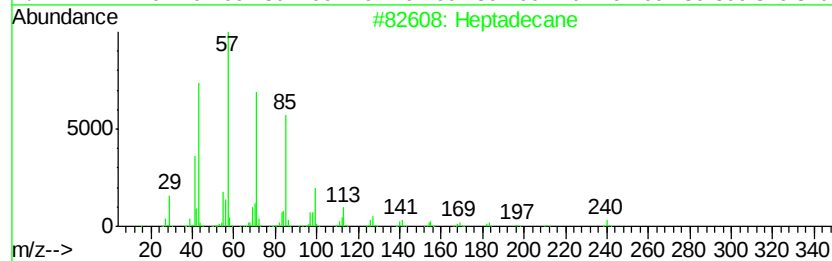
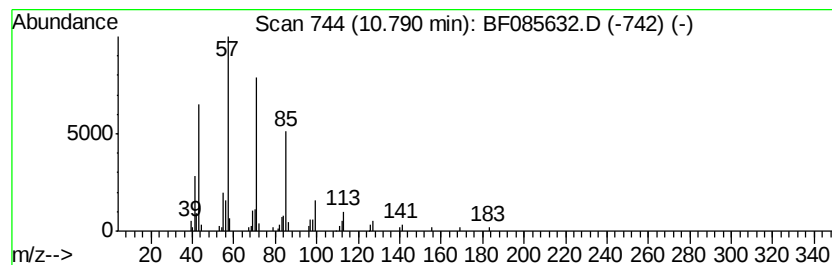
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Heptadecane Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.79 | 3.40 ng | 140323 | Phenanthrene-d10 | 11.36 |

| Hit# of | 5                  | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|--------------------|--------------|-----|---------|-------------|------|
| 1       | Heptadecane        |              | 240 | C17H36  | 000629-78-7 | 91   |
| 2       | Tetradecane        |              | 198 | C14H30  | 000629-59-4 | 91   |
| 3       | Tetracosane        |              | 338 | C24H50  | 000646-31-1 | 91   |
| 4       | Octadecane         |              | 254 | C18H38  | 000593-45-3 | 91   |
| 5       | Tridecane, 1-iodo- |              | 310 | C13H27I | 035599-77-0 | 90   |



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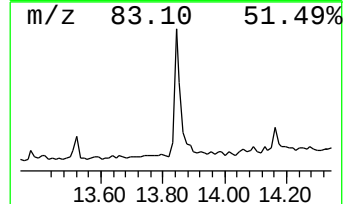
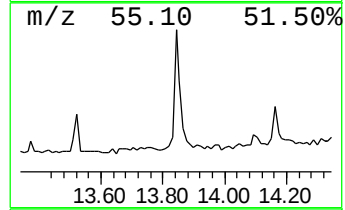
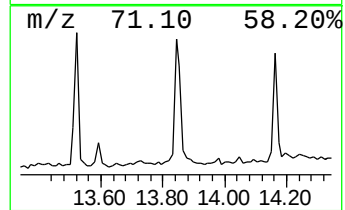
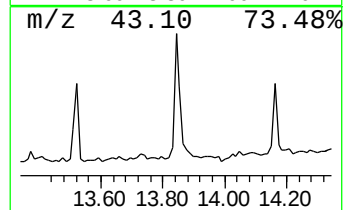
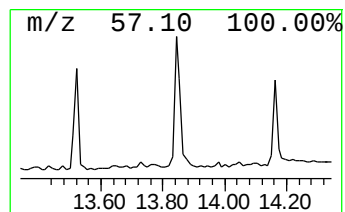
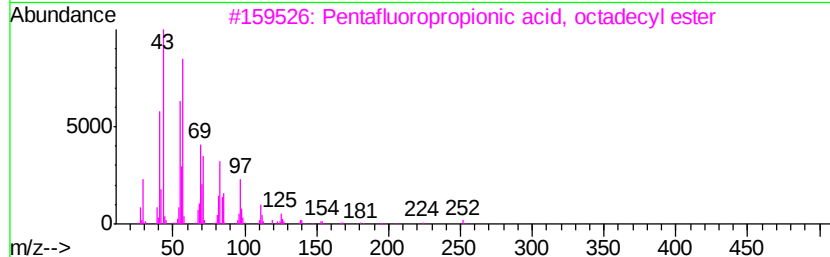
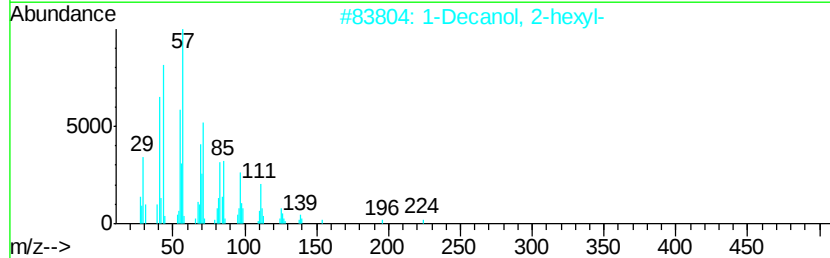
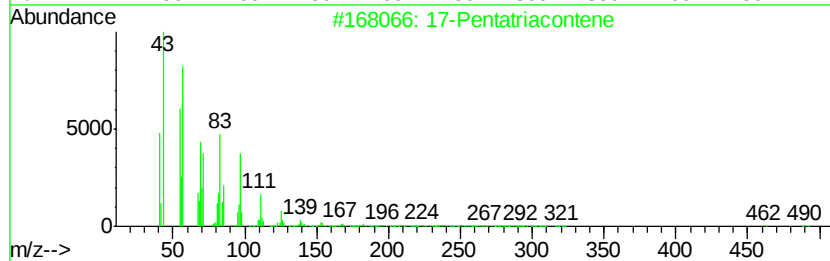
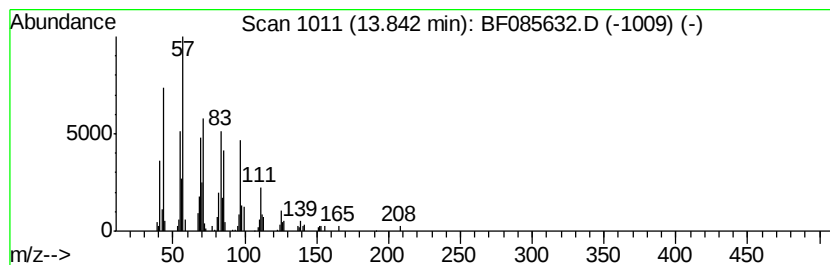
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Peak Number 5 17-Pentatriacontene Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.84 | 4.73 ng | 156698 | Chrysene-d12     | 13.99 |

| Hit# of | 5 | Tentative ID                          | MW  | MolForm    | CAS#         | Qual |
|---------|---|---------------------------------------|-----|------------|--------------|------|
| 1       |   | 17-Pentatriacontene                   | 491 | C35H70     | 006971-40-0  | 80   |
| 2       |   | 1-Decanol, 2-hexyl-                   | 242 | C16H34O    | 002425-77-6  | 76   |
| 3       |   | Pentafluoropropionic acid, octadecyl- | 416 | C21H37F5O2 | 1000280-07-7 | 72   |
| 4       |   | 3-Chloropropionic acid, heptadecyl-   | 346 | C20H39ClO2 | 1000283-05-1 | 68   |
| 5       |   | 1-Octadecene                          | 252 | C18H36     | 000112-88-9  | 62   |



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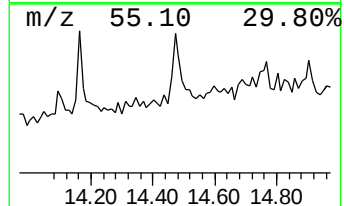
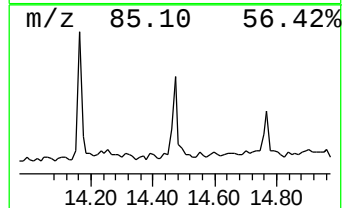
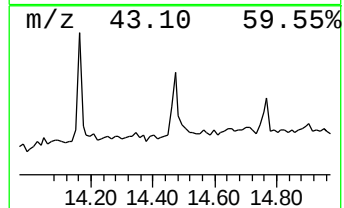
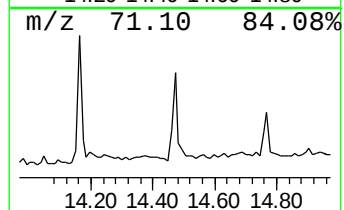
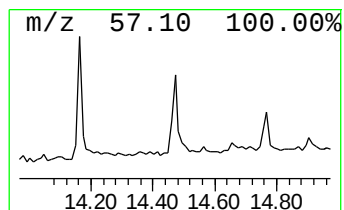
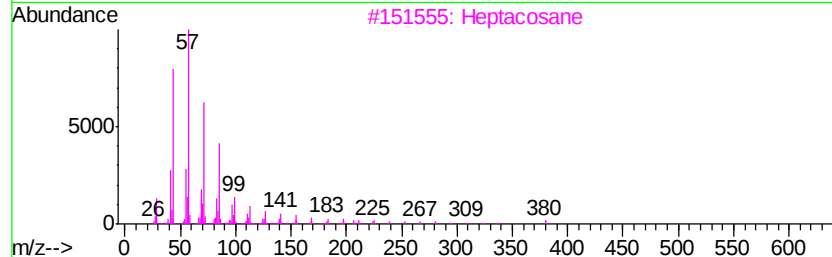
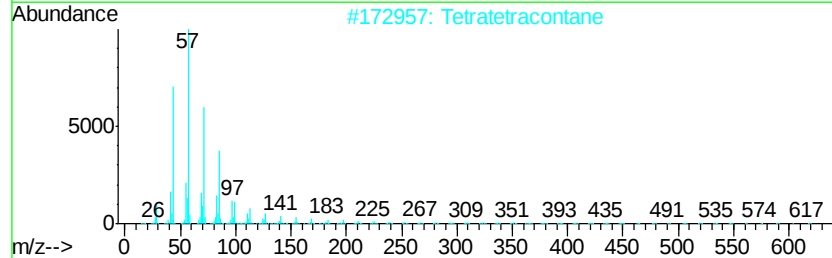
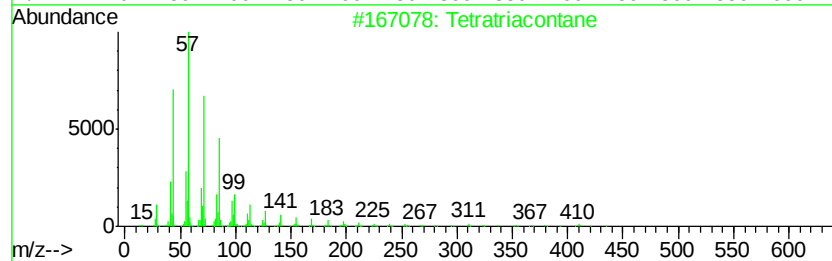
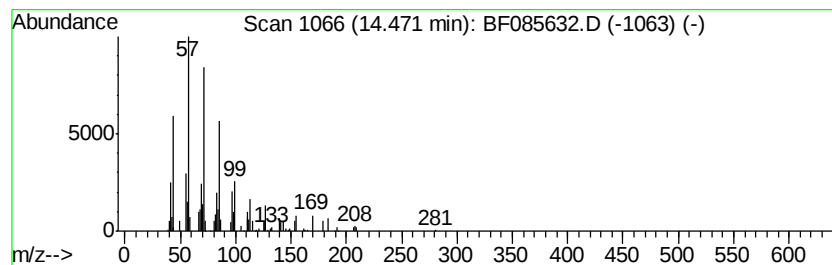
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Tetratriacontane Concentration Rank 6

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 14.47 | 2.25 ng | 74375 | Chrysene-d12     | 13.99 |

| Hit# of | 5 | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------|-----|---------|-------------|------|
| 1       |   | Tetratriacontane  | 479 | C34H70  | 014167-59-0 | 91   |
| 2       |   | Tetratetracontane | 619 | C44H90  | 007098-22-8 | 91   |
| 3       |   | Heptacosane       | 380 | C27H56  | 000593-49-7 | 90   |
| 4       |   | Hentriacontane    | 437 | C31H64  | 000630-04-6 | 90   |
| 5       |   | Hexacosane        | 366 | C26H54  | 000630-01-3 | 87   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032116\  
Data File : BF085632.D  
Acq On : 21 Mar 2016 19:59  
Operator : UM/SJ  
Sample : H1841-02  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SOUTH-WALL(3-5)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031816.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... | 5.03  | 10.7    | ng    | 352615   | 1                     | 6.85  | 661451 | 20.0 |
| unknown6.61          | 6.61  | 94.6    | ng    | 3128400  | 1                     | 6.85  | 661451 | 20.0 |
| Heptadecane          | 10.79 | 3.4     | ng    | 140323   | 4                     | 11.36 | 825583 | 20.0 |
| 17-Pentatriacontene  | 13.84 | 4.7     | ng    | 156698   | 5                     | 13.99 | 662187 | 20.0 |
| Tetratriacontane     | 14.47 | 2.3     | ng    | 74375    | 5                     | 13.99 | 662187 | 20.0 |