

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032416\  
 Data File : BF085748.D  
 Acq On : 25 Mar 2016 8:00  
 Operator : UM/SJ  
 Sample : H1885-03  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRACK-D-GRID-15A

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-BF032416.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         | 5.007       | 235           | 238         | 245          | rBV      | 270890         | 453725        | 14.59%          | 1.783%        |
| 2         | 5.430       | 272           | 275         | 277          | rBV      | 1792723        | 2513329       | 80.83%          | 9.874%        |
| 3         | 5.830       | 308           | 310         | 313          | rVB      | 37396          | 37365         | 1.20%           | 0.147%        |
| 4         | 6.459       | 363           | 365         | 368          | rBV      | 1826030        | 2528119       | 81.31%          | 9.932%        |
| 5         | 6.596       | 374           | 377         | 379          | rBV      | 2614666        | 2703240       | 86.94%          | 10.620%       |
| 6         | 6.825       | 394           | 397         | 399          | rBV      | 787778         | 665770        | 21.41%          | 2.616%        |
| 7         | 6.985       | 408           | 411         | 413          | rBV      | 2047097        | 2186476       | 70.32%          | 8.590%        |
| 8         | 7.396       | 444           | 447         | 449          | rBV      | 1428089        | 1777429       | 57.16%          | 6.983%        |
| 9         | 7.499       | 453           | 456         | 462          | rVB      | 67700          | 93013         | 2.99%           | 0.365%        |
| 10        | 8.105       | 507           | 509         | 512          | rBV      | 674676         | 837199        | 26.93%          | 3.289%        |
| 11        | 9.190       | 601           | 604         | 606          | rBV      | 3201517        | 3109321       | 100.00%         | 12.216%       |
| 12        | 9.579       | 636           | 638         | 641          | rBV      | 612069         | 539617        | 17.35%          | 2.120%        |
| 13        | 9.796       | 655           | 657         | 659          | rBV      | 116012         | 88045         | 2.83%           | 0.346%        |
| 14        | 9.865       | 661           | 663         | 665          | rVB      | 995240         | 882614        | 28.39%          | 3.468%        |
| 15        | 10.025      | 674           | 677         | 679          | rBV2     | 20376          | 32896         | 1.06%           | 0.129%        |
| 16        | 10.299      | 697           | 701         | 702          | rBV      | 108503         | 142334        | 4.58%           | 0.559%        |
| 17        | 10.516      | 717           | 720         | 723          | rBV      | 45821          | 78136         | 2.51%           | 0.307%        |
| 18        | 10.653      | 729           | 732         | 734          | rBV      | 1461084        | 1478841       | 47.56%          | 5.810%        |
| 19        | 10.768      | 740           | 742         | 746          | rBV      | 135127         | 150566        | 4.84%           | 0.592%        |
| 20        | 11.214      | 779           | 781         | 782          | rBV      | 79964          | 67365         | 2.17%           | 0.265%        |
| 21        | 11.339      | 790           | 792         | 795          | rBV      | 530229         | 704939        | 22.67%          | 2.770%        |
| 22        | 11.636      | 817           | 818         | 821          | rVB      | 37487          | 35045         | 1.13%           | 0.138%        |
| 23        | 11.876      | 837           | 839         | 843          | rBV      | 58756          | 78021         | 2.51%           | 0.307%        |
| 24        | 12.757      | 914           | 916         | 917          | rBV      | 56198          | 77090         | 2.48%           | 0.303%        |
| 25        | 12.928      | 928           | 931         | 933          | rBV      | 2311521        | 2049227       | 65.91%          | 8.051%        |
| 26        | 13.157      | 948           | 951         | 954          | rBV      | 24787          | 38097         | 1.23%           | 0.150%        |
| 27        | 13.408      | 969           | 973         | 975          | rBV      | 288265         | 447100        | 14.38%          | 1.757%        |
| 28        | 13.499      | 979           | 981         | 985          | rVB2     | 37176          | 65252         | 2.10%           | 0.256%        |
| 29        | 13.820      | 1007          | 1009        | 1015         | rBV      | 137463         | 229958        | 7.40%           | 0.903%        |
| 30        | 13.980      | 1021          | 1023        | 1025         | rBV      | 671439         | 634544        | 20.41%          | 2.493%        |
| 31        | 14.094      | 1030          | 1033        | 1036         | rBV2     | 35207          | 81454         | 2.62%           | 0.320%        |
| 32        | 14.448      | 1062          | 1064        | 1067         | rBV2     | 17825          | 31443         | 1.01%           | 0.124%        |
| 33        | 15.397      | 1144          | 1147        | 1151         | rBV      | 500989         | 615810        | 19.81%          | 2.419%        |

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ClientSampleId :  
TRACK-D-GRID-15A

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-BF032416.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

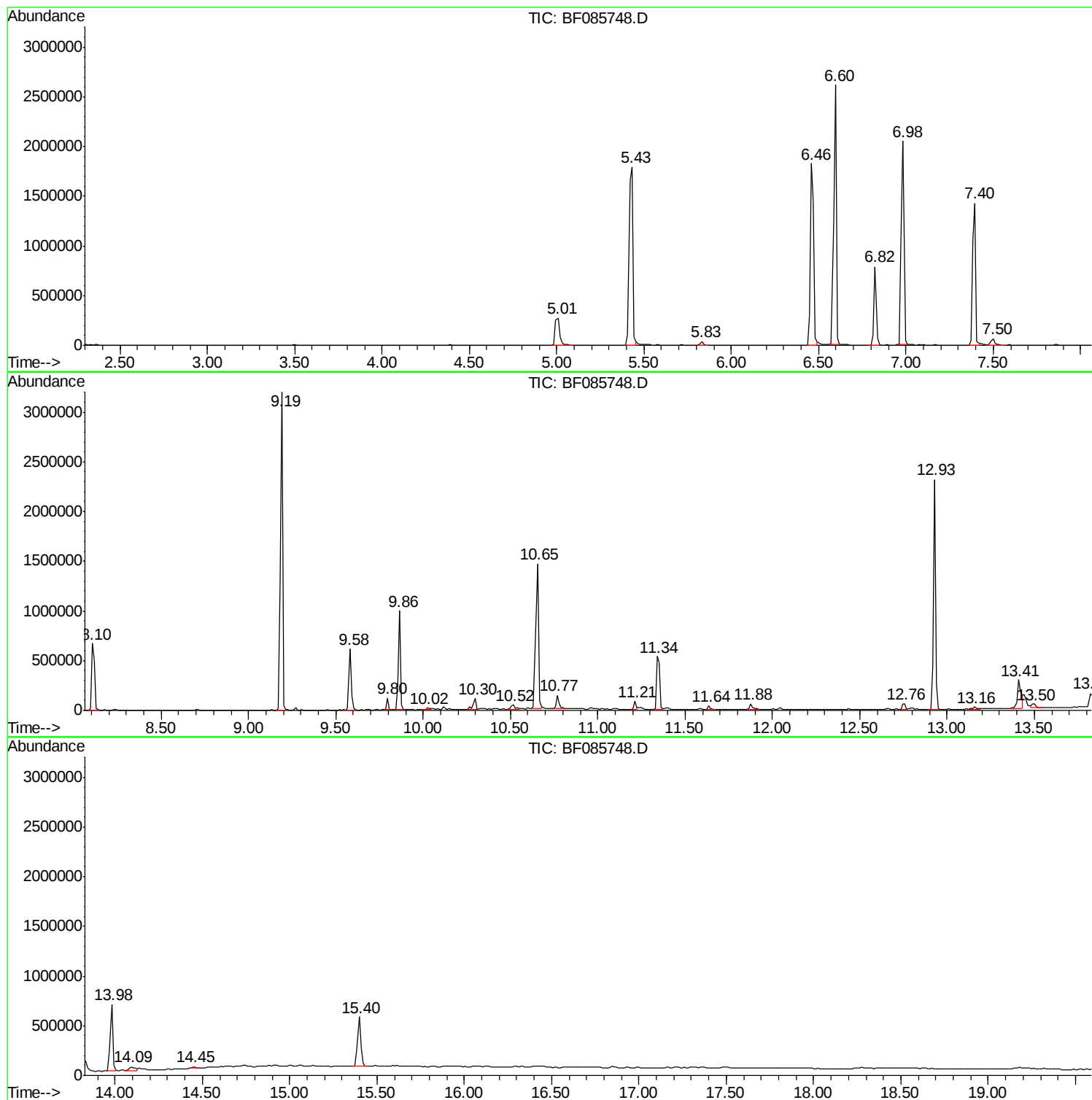
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032416.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

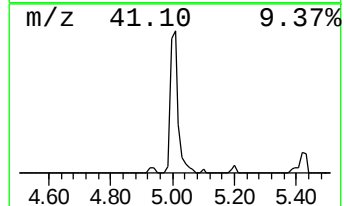
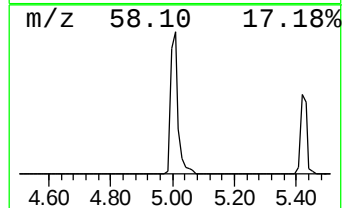
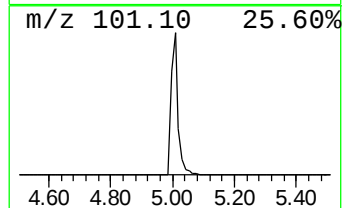
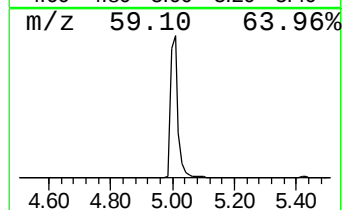
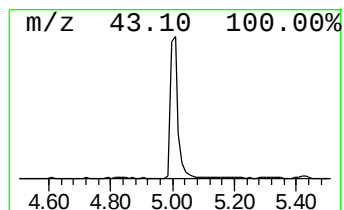
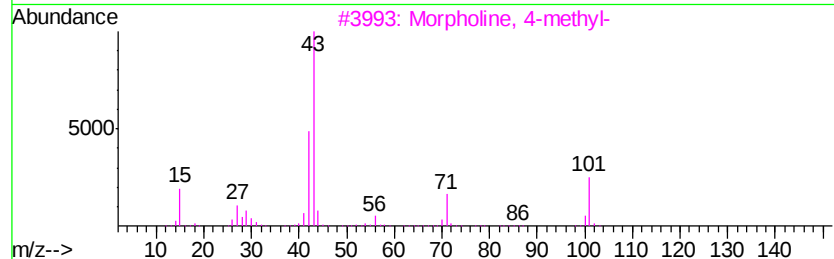
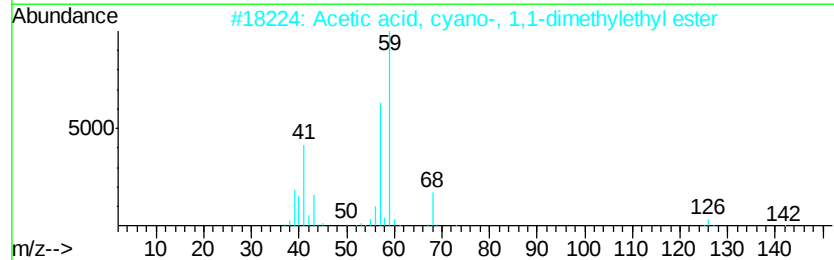
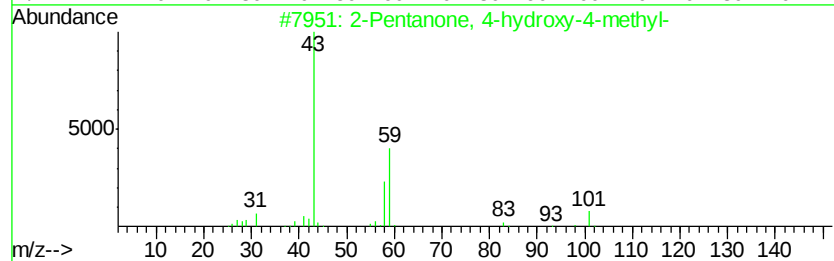
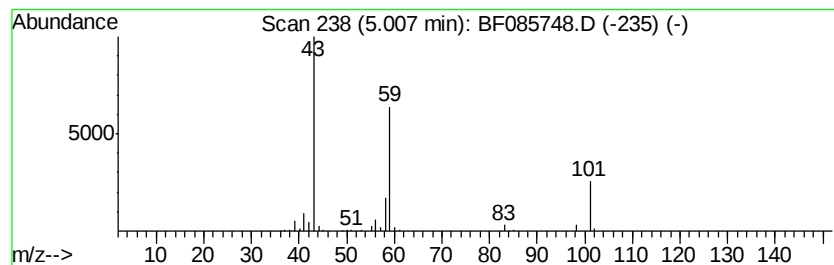
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.01 | 13.63 ng | 453725 | 1,4-Dichlorobenzene-d4 | 6.82 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2    |    | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25   |
| 3    |    | Morpholine, 4-methyl-               | 101 | C5H11NO  | 000109-02-4 | 9    |
| 4    |    | (+)-4-Amino-4,5-dihydro-2(3H)-f...  | 101 | C4H7NO2  | 016504-58-8 | 9    |
| 5    |    | Butane, 1-ethoxy-                   | 102 | C6H14O   | 000628-81-9 | 9    |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032416.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

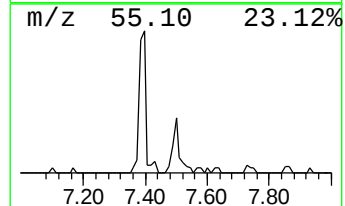
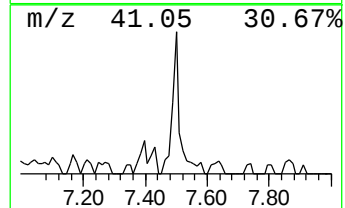
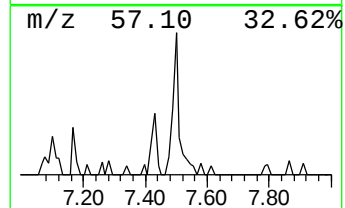
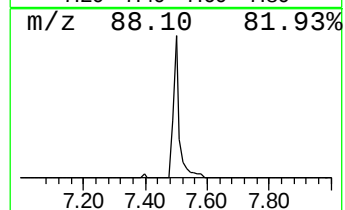
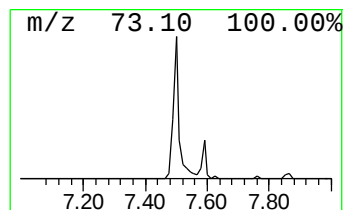
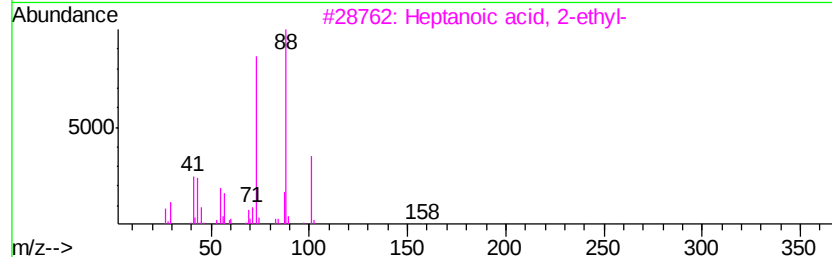
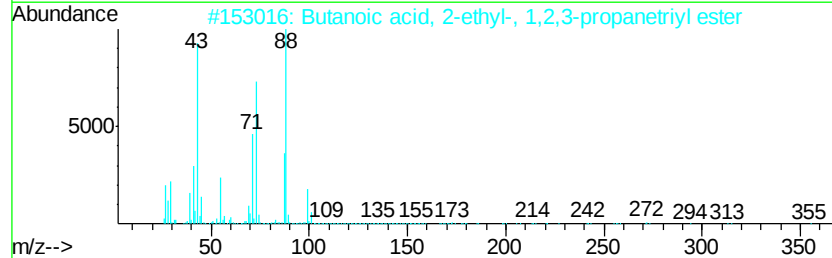
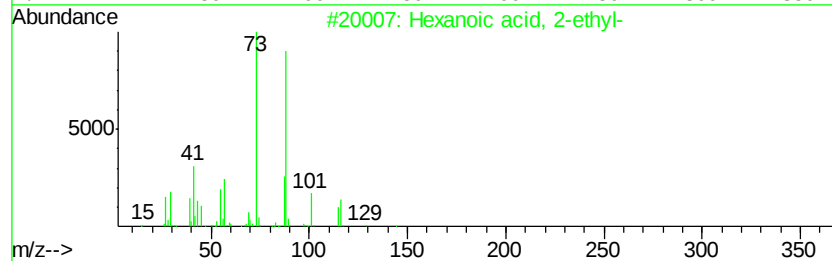
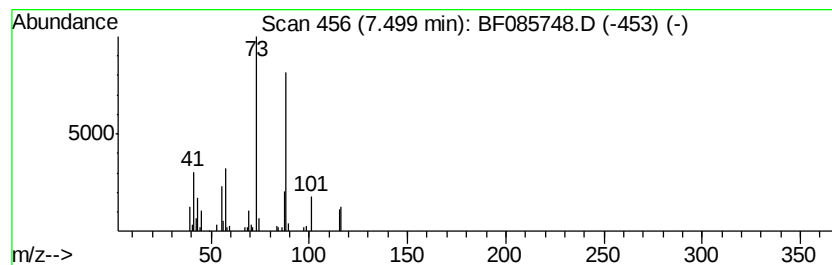
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Hexanoic acid, 2-ethyl- Concentration Rank 10

| R.T. | EstConc | Area  | Relative to ISTD | R.T. |
|------|---------|-------|------------------|------|
| 7.50 | 2.22 ng | 93013 | Naphthalene-d8   | 8.10 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Hexanoic acid, 2-ethyl-             | 144 | C8H16O2  | 000149-57-5 | 90   |
| 2    |    | Butanoic acid, 2-ethyl-, 1,2,3-p... | 386 | C21H38O6 | 056554-54-2 | 42   |
| 3    |    | Heptanoic acid, 2-ethyl-            | 158 | C9H18O2  | 003274-29-1 | 40   |
| 4    |    | 1,4-Dioxane                         | 88  | C4H8O2   | 000123-91-1 | 37   |
| 5    |    | Methyl 2,3,4-tri-O-methyl-6-deox... | 220 | C10H20O5 | 072983-16-5 | 33   |



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ALS Vial : 32 Sample Multiplier: 1

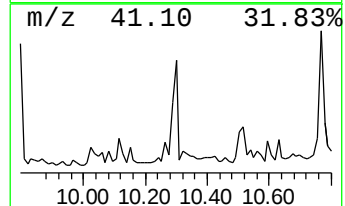
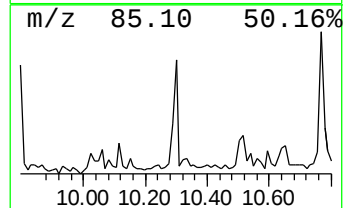
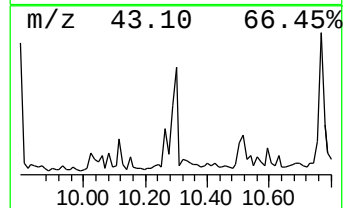
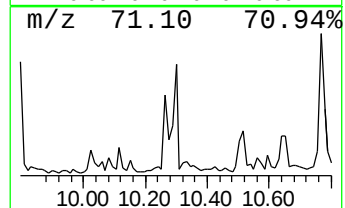
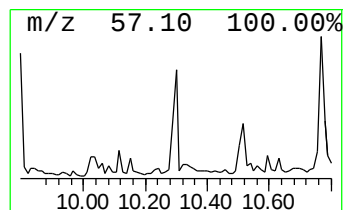
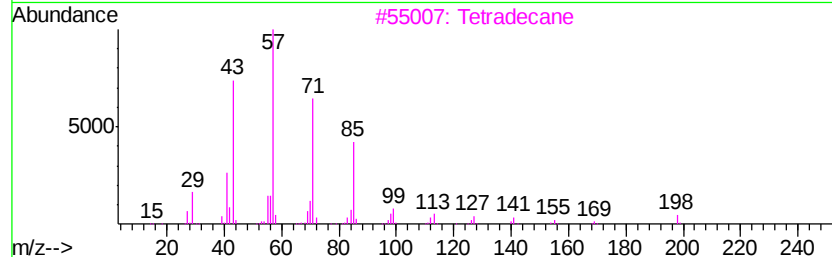
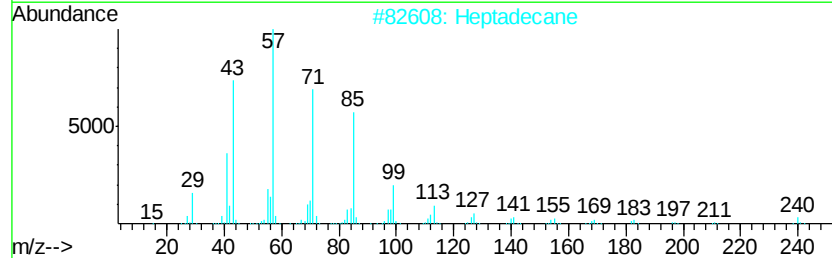
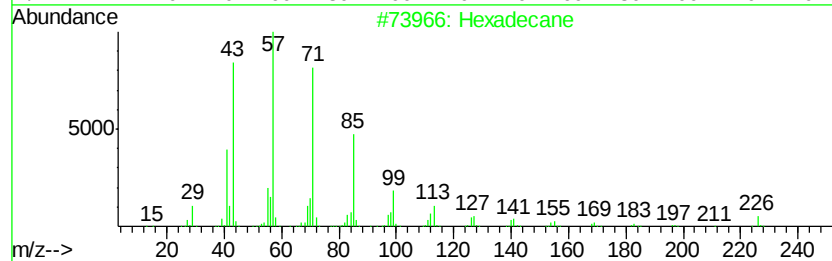
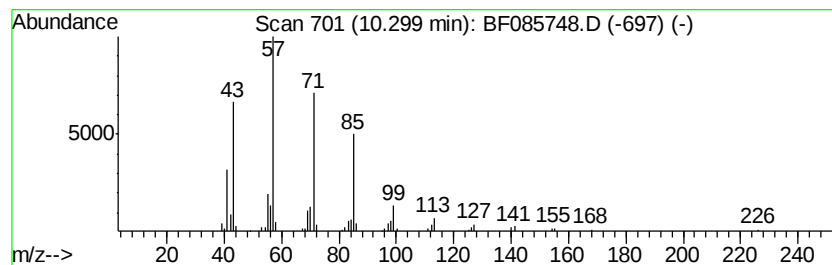
Instrument :  
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ClientSampleId :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 Hexadecane Concentration Rank 7

| R.T.    | EstConc                      | Area         | Relative to ISTD | R.T.      |
|---------|------------------------------|--------------|------------------|-----------|
| 10.30   | 3.23 ng                      | 142334       | Acenaphthene-d10 | 9.86      |
| Hit# of | 5                            | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Hexadecane                   | 226 C16H34   | 000544-76-3      | 95        |
| 2       | Heptadecane                  | 240 C17H36   | 000629-78-7      | 91        |
| 3       | Tetradecane                  | 198 C14H30   | 000629-59-4      | 87        |
| 4       | Pentadecane                  | 212 C15H32   | 000629-62-9      | 86        |
| 5       | Dodecane, 2-methyl-6-propyl- | 226 C16H34   | 055045-08-4      | 86        |



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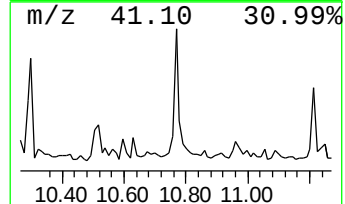
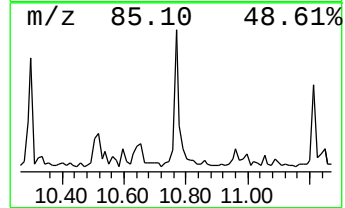
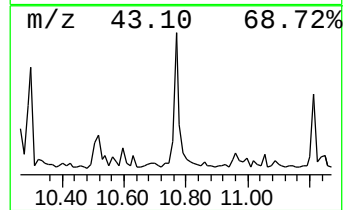
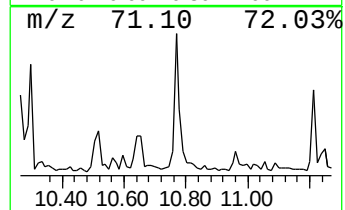
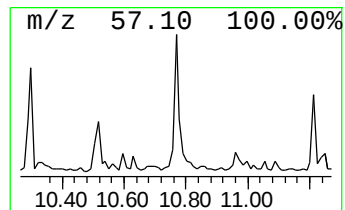
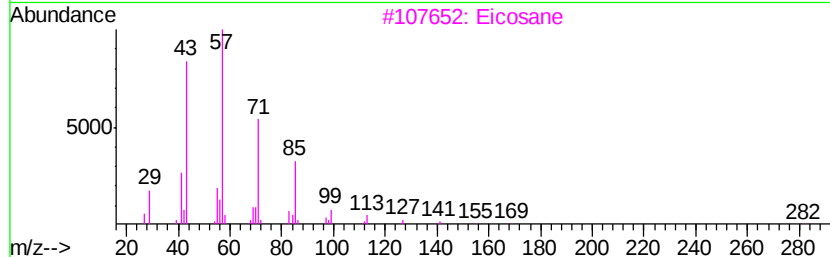
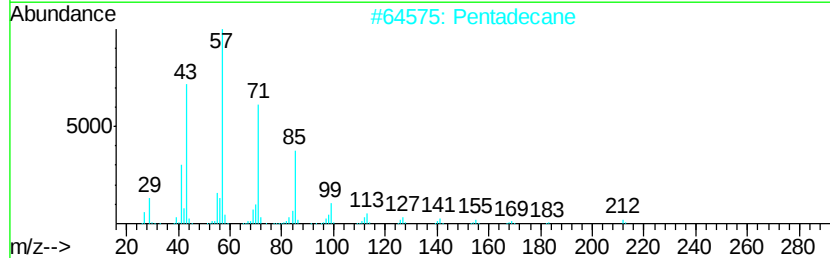
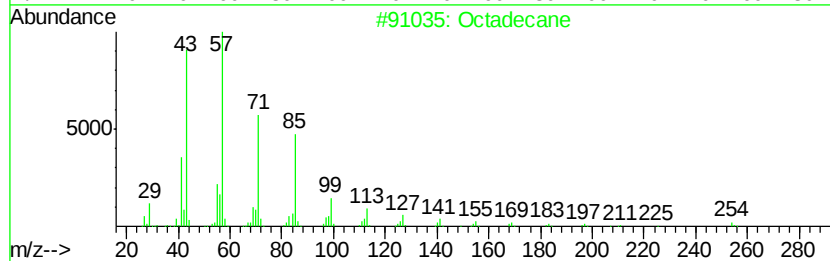
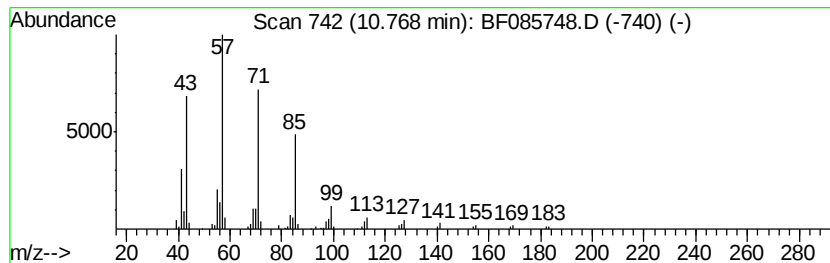
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Octadecane Concentration Rank 6

| R.T.      | EstConc      | Area   | Relative to ISTD | R.T.        |      |
|-----------|--------------|--------|------------------|-------------|------|
| 10.77     | 4.27 ng      | 150566 | Phenanthrene-d10 | 11.35       |      |
| Hit# of 5 | Tentative ID | MW     | MolForm          | CAS#        | Qual |
| 1         | Octadecane   | 254    | C18H38           | 000593-45-3 | 91   |
| 2         | Pentadecane  | 212    | C15H32           | 000629-62-9 | 91   |
| 3         | Eicosane     | 282    | C20H42           | 000112-95-8 | 91   |
| 4         | Hexadecane   | 226    | C16H34           | 000544-76-3 | 91   |
| 5         | Tetradecane  | 198    | C14H30           | 000629-59-4 | 90   |



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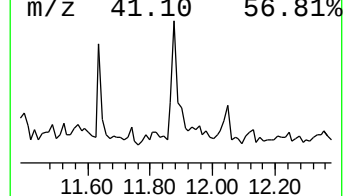
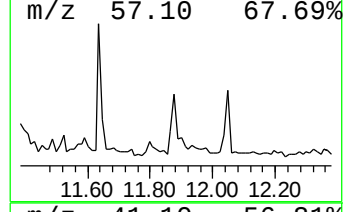
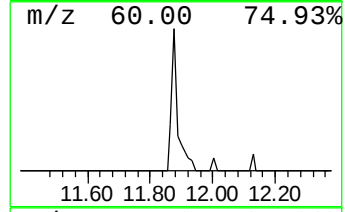
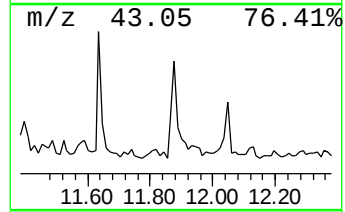
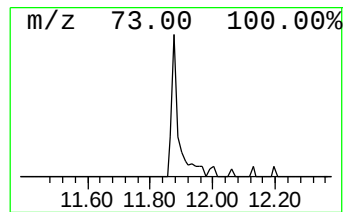
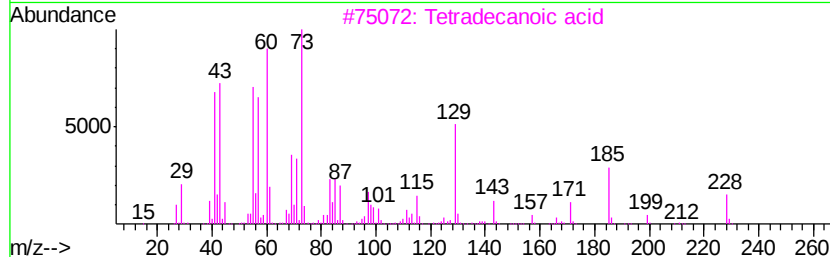
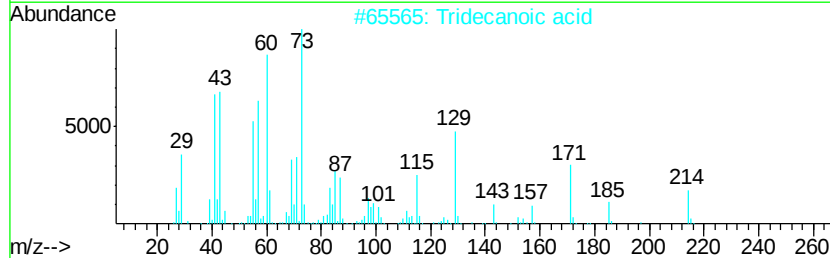
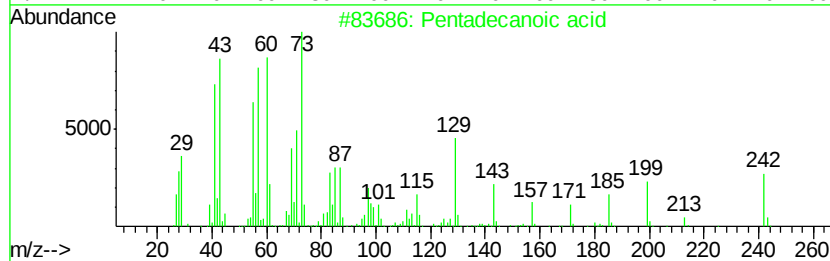
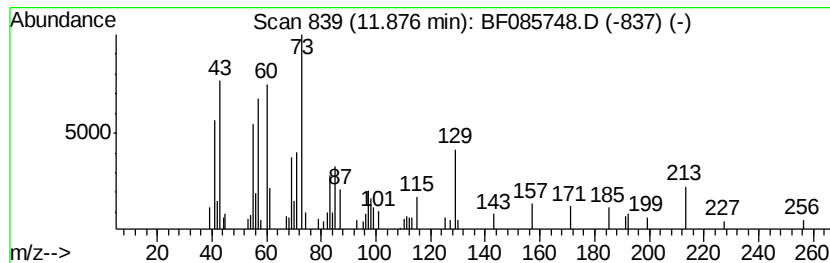
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Pentadecanoic acid Concentration Rank 11

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 11.88 | 2.21 ng | 78021 | Phenanthrene-d10 | 11.35 |

| Hit# of | 5 | Tentative ID                  | MW  | MolForm  | CAS#         | Qual |
|---------|---|-------------------------------|-----|----------|--------------|------|
| 1       |   | Pentadecanoic acid            | 242 | C15H30O2 | 001002-84-2  | 87   |
| 2       |   | Tridecanoic acid              | 214 | C13H26O2 | 000638-53-9  | 74   |
| 3       |   | Tetradecanoic acid            | 228 | C14H28O2 | 000544-63-8  | 72   |
| 4       |   | n-Decanoic acid               | 172 | C10H20O2 | 000334-48-5  | 53   |
| 5       |   | D-Glucopyranoside, 4-O-decyl- | 320 | C16H32O6 | 1000158-00-4 | 35   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032416\  
Data File : BF085748.D  
Acq On : 25 Mar 2016 8:00  
Operator : UM/SJ  
Sample : H1885-03  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TRACK-D-GRID-15A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032416.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

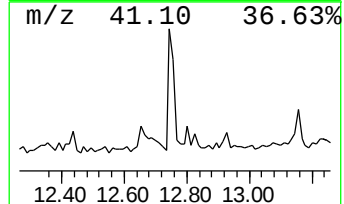
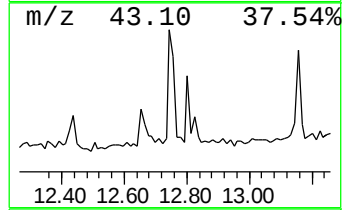
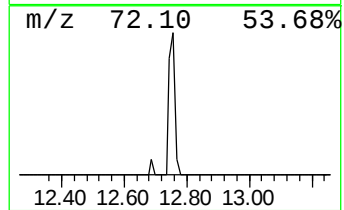
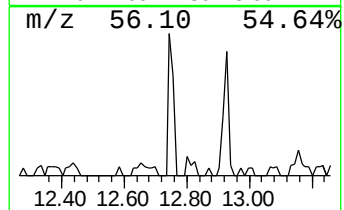
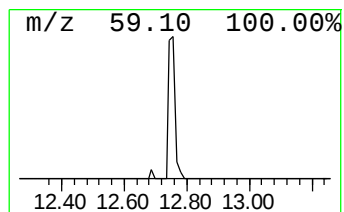
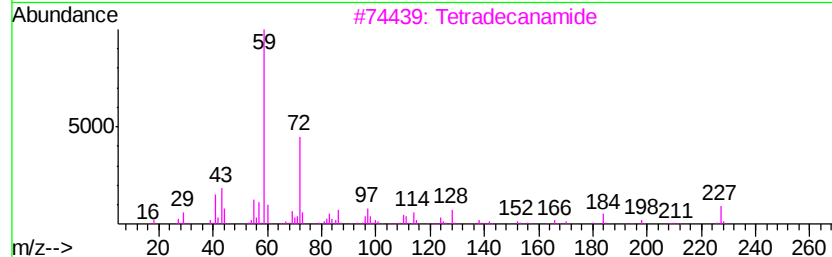
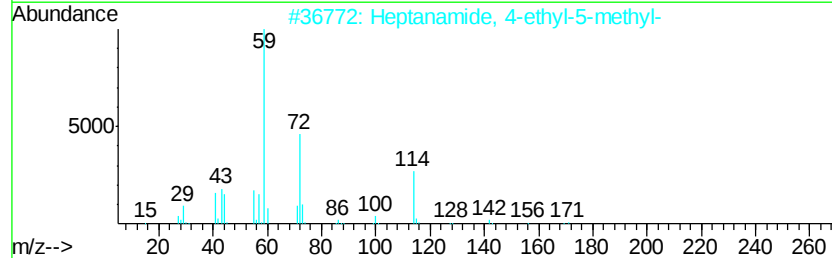
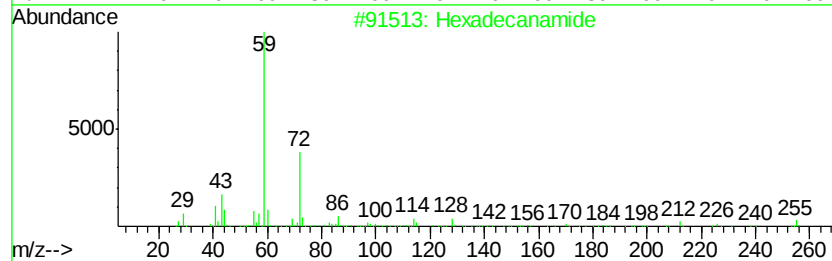
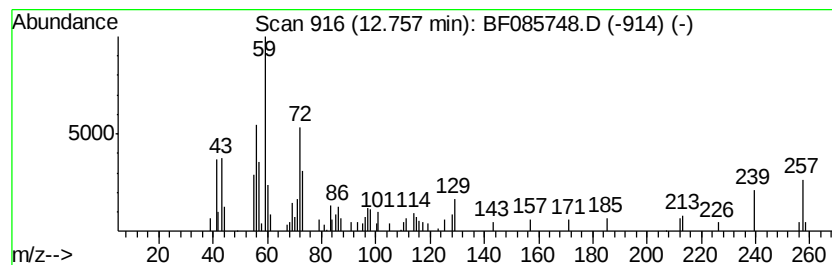
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 unknown12.76 Concentration Rank 9

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 12.76 | 2.43 ng | 77090 | Chrysene-d12     | 13.98 |

| Hit# | of | Tentative ID                   | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------|-----|----------|-------------|------|
| 1    | 5  | Hexadecanamide                 | 255 | C16H33NO | 000629-54-9 | 43   |
| 2    |    | Heptanamide, 4-ethyl-5-methyl- | 171 | C10H21NO | 054789-40-1 | 43   |
| 3    |    | Tetradecanamide                | 227 | C14H29NO | 000638-58-4 | 43   |
| 4    |    | Dodecanamide                   | 199 | C12H25NO | 001120-16-7 | 38   |
| 5    |    | 9-Octadecenamide, (Z)-         | 281 | C18H35NO | 000301-02-0 | 38   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032416\  
Data File : BF085748.D  
Acq On : 25 Mar 2016 8:00  
Operator : UM/SJ  
Sample : H1885-03  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

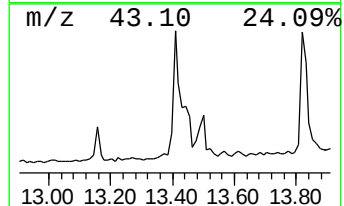
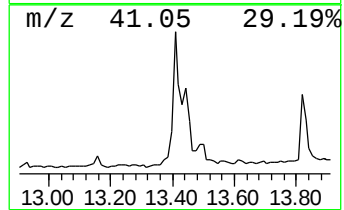
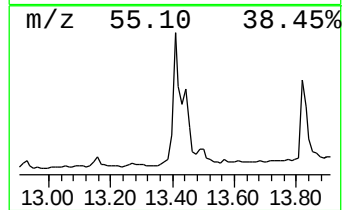
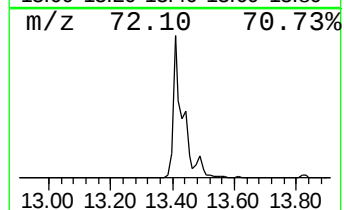
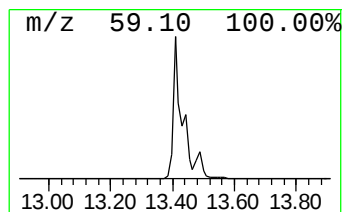
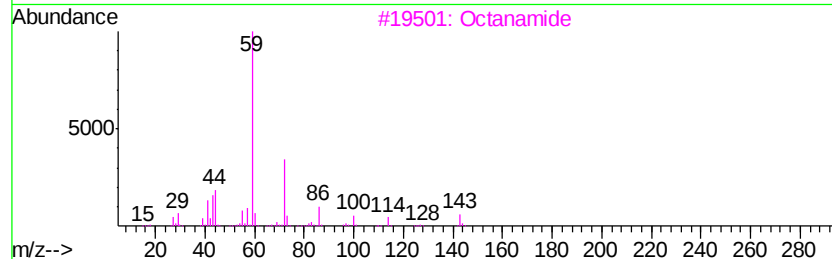
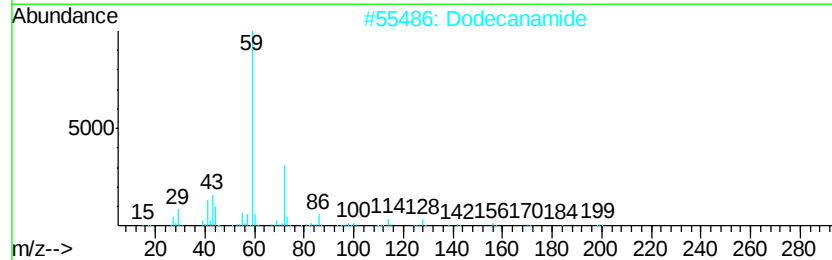
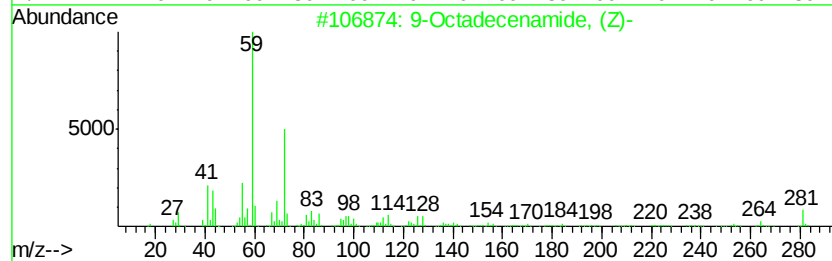
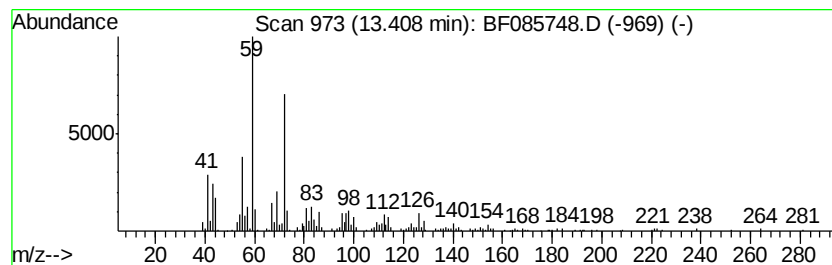
Instrument :  
BNA\_F  
ClientSampleId :  
TRACK-D-GRID-15A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032416.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 9 9-Octadecenamide, (Z)- Concentration Rank 3

| R.T.  | EstConc  | Area   | Relative to ISTD                 |     | R.T.     |             |      |
|-------|----------|--------|----------------------------------|-----|----------|-------------|------|
| 13.41 | 14.09 ng | 447100 | Chrysene-d12                     |     | 13.98    |             |      |
| Hit#  | of       | 5      | Tentative ID                     | MW  | MolForm  | CAS#        | Qual |
| 1     |          |        | 9-Octadecenamide, (Z)-           | 281 | C18H35NO | 000301-02-0 | 83   |
| 2     |          |        | Dodecanamide                     | 199 | C12H25NO | 001120-16-7 | 53   |
| 3     |          |        | Octanamide                       | 143 | C8H17NO  | 000629-01-6 | 53   |
| 4     |          |        | Hexadecanamide                   | 255 | C16H33NO | 000629-54-9 | 50   |
| 5     |          |        | 2-Octanol, 2-methyl-6-methylene- | 156 | C10H20O  | 018479-59-9 | 45   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032416\  
Data File : BF085748.D  
Acq On : 25 Mar 2016 8:00  
Operator : UM/SJ  
Sample : H1885-03  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TRACK-D-GRID-15A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032416.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

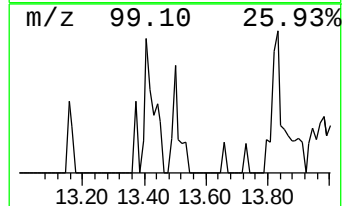
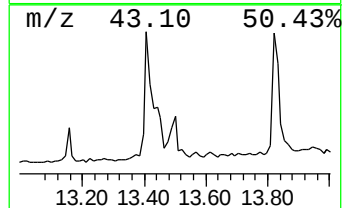
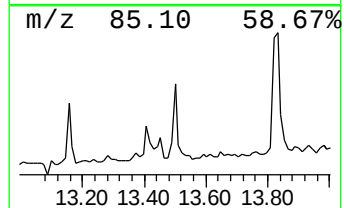
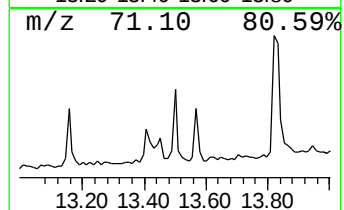
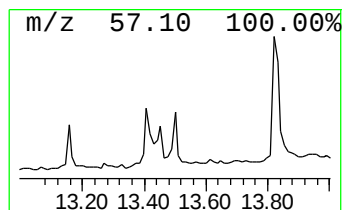
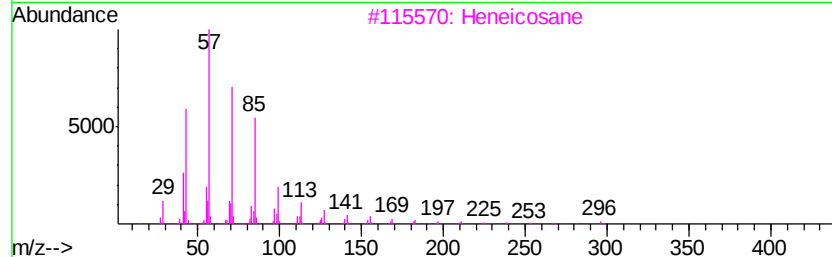
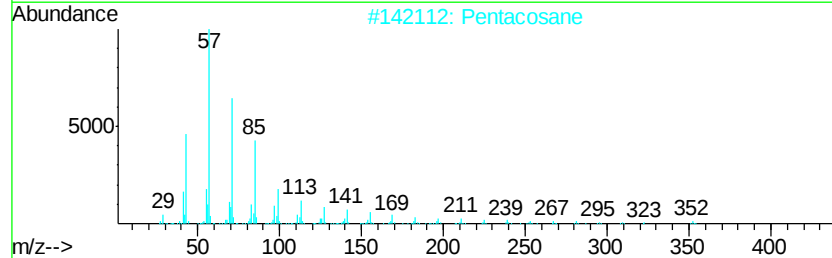
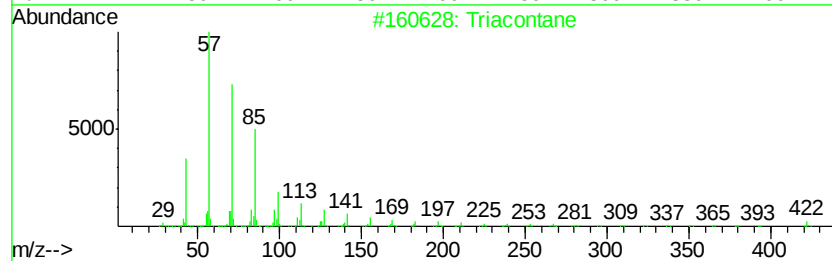
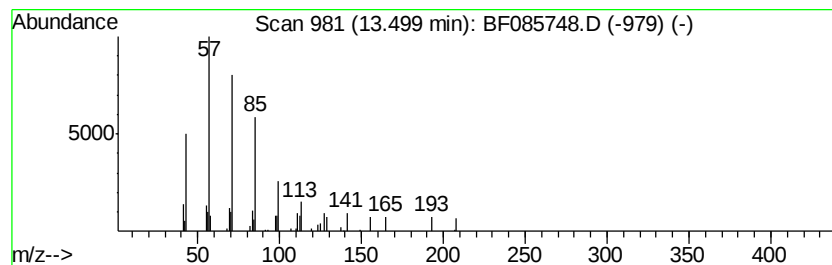
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Triacontane Concentration Rank 12

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 13.50 | 2.06 ng | 65252 | Chrysene-d12     | 13.98 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Triacontane  | 422 | C30H62  | 000638-68-6 | 90   |
| 2    |    |   | Pentacosane  | 352 | C25H52  | 000629-99-2 | 87   |
| 3    |    |   | Heneicosane  | 296 | C21H44  | 000629-94-7 | 86   |
| 4    |    |   | Hexacosane   | 366 | C26H54  | 000630-01-3 | 80   |
| 5    |    |   | Nonacosane   | 408 | C29H60  | 000630-03-5 | 80   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032416\  
Data File : BF085748.D  
Acq On : 25 Mar 2016 8:00  
Operator : UM/SJ  
Sample : H1885-03  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TRACK-D-GRID-15A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032416.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

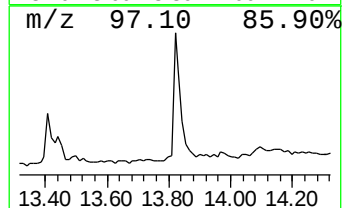
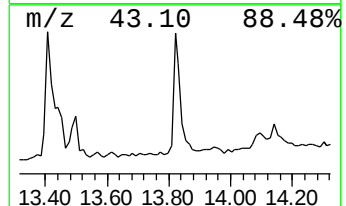
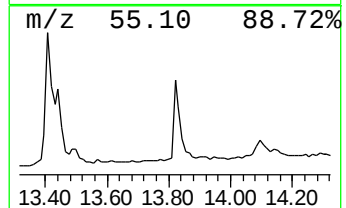
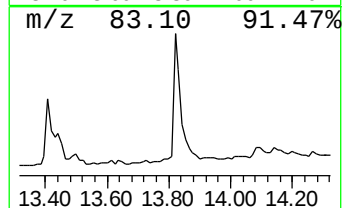
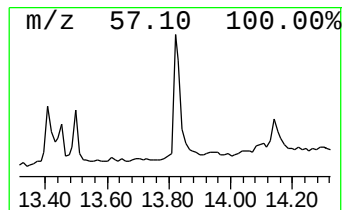
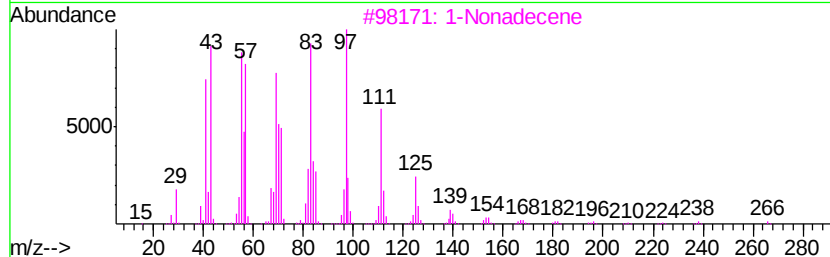
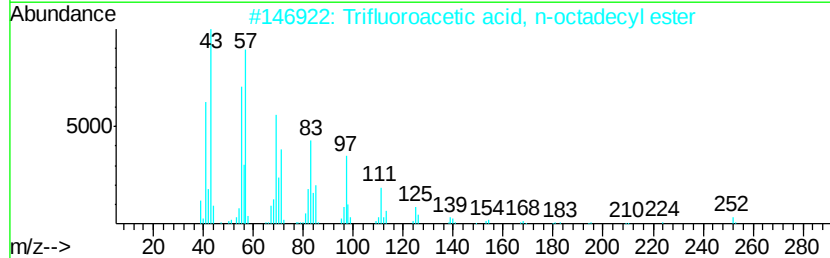
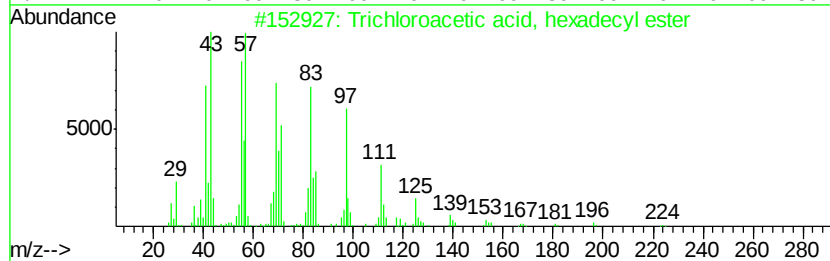
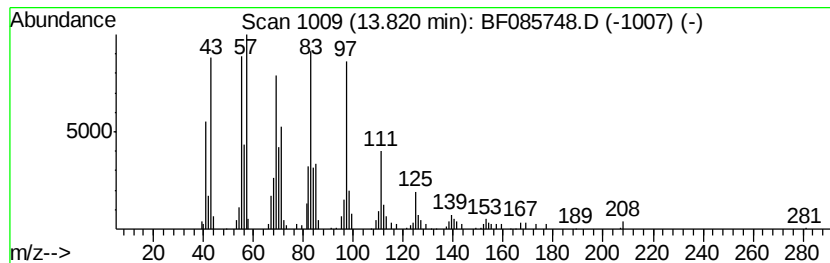
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Trichloroacetic acid, hexad... Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.82 | 7.25 ng | 229958 | Chrysene-d12     | 13.98 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|-------------------------------------|-----|-------------|-------------|------|
| 1    | 5  | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 94   |
| 2    |    | Trifluoroacetic acid, n-octadecy... | 366 | C20H37F3O2  | 079392-43-1 | 91   |
| 3    |    | 1-Nonadecene                        | 266 | C19H38      | 018435-45-5 | 91   |
| 4    |    | Heptafluorobutyric acid, n-octad... | 466 | C22H37F7O2  | 000400-57-7 | 91   |
| 5    |    | 3-Eicosene, (E)-                    | 280 | C20H40      | 074685-33-9 | 91   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032416\  
Data File : BF085748.D  
Acq On : 25 Mar 2016 8:00  
Operator : UM/SJ  
Sample : H1885-03  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TRACK-D-GRID-15A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032416.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...  | 5.01  | 13.6    | ng    | 453725   | 1                     | 6.82  | 665770 | 20.0 |
| Hexanoic acid, 2-...  | 7.50  | 2.2     | ng    | 93013    | 2                     | 8.10  | 837199 | 20.0 |
| Hexadecane            | 10.30 | 3.2     | ng    | 142334   | 3                     | 9.86  | 882614 | 20.0 |
| Octadecane            | 10.77 | 4.3     | ng    | 150566   | 4                     | 11.35 | 704939 | 20.0 |
| Pentadecanoic acid    | 11.88 | 2.2     | ng    | 78021    | 4                     | 11.35 | 704939 | 20.0 |
| unknown12.76          | 12.76 | 2.4     | ng    | 77090    | 5                     | 13.98 | 634544 | 20.0 |
| 9-Octadecenamide, ... | 13.41 | 14.1    | ng    | 447100   | 5                     | 13.98 | 634544 | 20.0 |
| Triacontane           | 13.50 | 2.1     | ng    | 65252    | 5                     | 13.98 | 634544 | 20.0 |
| Trichloroacetic a...  | 13.82 | 7.3     | ng    | 229958   | 5                     | 13.98 | 634544 | 20.0 |