

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011016\  
 Data File : BF084367.D  
 Acq On : 10 Jan 2016 16:20  
 Operator : SJ/UM  
 Sample : H1043-18  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-4COMP

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-BF123115.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         | 2.144       | 3             | 5           | 9            | rVB      | 60554          | 89267         | 1.00%           | 0.117%        |
| 2         | 5.047       | 256           | 259         | 268          | rVB      | 1340117        | 2406918       | 27.06%          | 3.147%        |
| 3         | 5.481       | 294           | 297         | 299          | rBV      | 7574500        | 8837285       | 99.34%          | 11.556%       |
| 4         | 6.510       | 383           | 387         | 389          | rBV      | 7084133        | 8250828       | 92.75%          | 10.789%       |
| 5         | 6.636       | 395           | 398         | 400          | rBV      | 7215666        | 8895737       | 100.00%         | 11.633%       |
| 6         | 6.853       | 415           | 417         | 419          | rBV      | 2106539        | 1723737       | 19.38%          | 2.254%        |
| 7         | 7.013       | 428           | 431         | 433          | rBV      | 6737528        | 6081041       | 68.36%          | 7.952%        |
| 8         | 7.424       | 463           | 467         | 469          | rBV      | 5221827        | 5442727       | 61.18%          | 7.117%        |
| 9         | 8.144       | 527           | 530         | 532          | rBV      | 2329748        | 2283209       | 25.67%          | 2.986%        |
| 10        | 9.219       | 621           | 624         | 627          | rBV      | 7440464        | 7498403       | 84.29%          | 9.805%        |
| 11        | 9.619       | 656           | 659         | 660          | rBV      | 1750173        | 1761398       | 19.80%          | 2.303%        |
| 12        | 9.825       | 675           | 677         | 680          | rBV      | 174730         | 243951        | 2.74%           | 0.319%        |
| 13        | 9.893       | 681           | 683         | 686          | rVB      | 2519674        | 2312303       | 25.99%          | 3.024%        |
| 14        | 10.328      | 720           | 721         | 723          | rVB      | 468357         | 400754        | 4.51%           | 0.524%        |
| 15        | 10.545      | 737           | 740         | 744          | rBV      | 135042         | 263726        | 2.96%           | 0.345%        |
| 16        | 10.682      | 749           | 752         | 755          | rVV2     | 3997579        | 5383430       | 60.52%          | 7.040%        |
| 17        | 10.796      | 759           | 762         | 770          | rVV2     | 479529         | 892405        | 10.03%          | 1.167%        |
| 18        | 11.002      | 778           | 780         | 784          | rVB3     | 52443          | 126052        | 1.42%           | 0.165%        |
| 19        | 11.253      | 800           | 802         | 803          | rBV      | 273651         | 246015        | 2.77%           | 0.322%        |
| 20        | 11.379      | 811           | 813         | 815          | rVV      | 2628540        | 2217062       | 24.92%          | 2.899%        |
| 21        | 11.436      | 815           | 818         | 822          | rVB2     | 46505          | 101612        | 1.14%           | 0.133%        |
| 22        | 12.796      | 934           | 937         | 938          | rBV      | 257131         | 283778        | 3.19%           | 0.371%        |
| 23        | 12.853      | 938           | 942         | 949          | rVB2     | 192366         | 320949        | 3.61%           | 0.420%        |
| 24        | 12.968      | 949           | 952         | 955          | rBV      | 6554738        | 6395956       | 71.90%          | 8.364%        |
| 25        | 13.494      | 996           | 998         | 1000         | rBV      | 196085         | 201050        | 2.26%           | 0.263%        |
| 26        | 13.871      | 1028          | 1031        | 1041         | rBV      | 213831         | 383238        | 4.31%           | 0.501%        |
| 27        | 14.019      | 1041          | 1044        | 1046         | rBV      | 1095984        | 1467124       | 16.49%          | 1.919%        |
| 28        | 15.437      | 1166          | 1168        | 1171         | rBV      | 808717         | 1246184       | 14.01%          | 1.630%        |
| 29        | 16.385      | 1247          | 1251        | 1256         | rBV2     | 49475          | 104297        | 1.17%           | 0.136%        |
| 30        | 16.945      | 1296          | 1300        | 1304         | rBV      | 53475          | 120718        | 1.36%           | 0.158%        |
| 31        | 17.608      | 1355          | 1358        | 1369         | rVB      | 60669          | 193060        | 2.17%           | 0.252%        |
| 32        | 18.408      | 1423          | 1428        | 1434         | rBV2     | 50733          | 156419        | 1.76%           | 0.205%        |
| 33        | 19.346      | 1506          | 1510        | 1517         | rVB2     | 41101          | 141394        | 1.59%           | 0.185%        |

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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

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Peak separation: 5

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

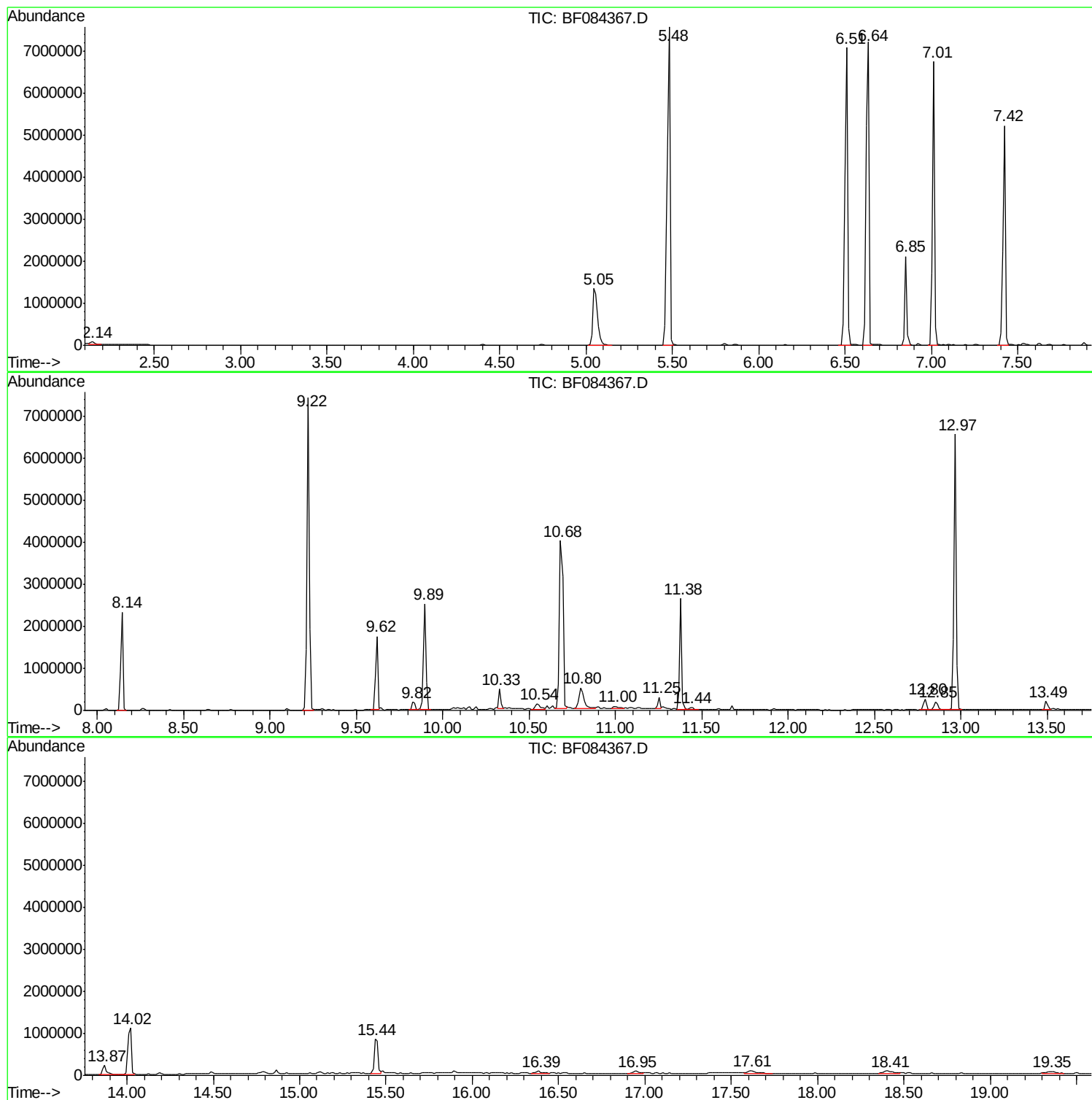
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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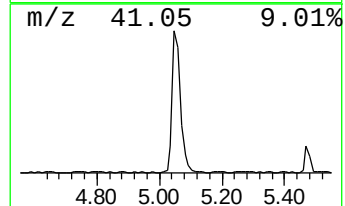
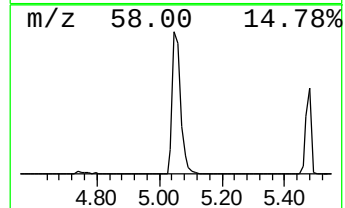
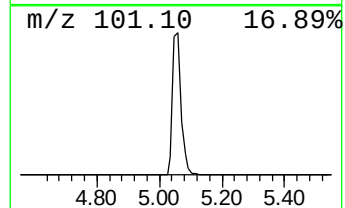
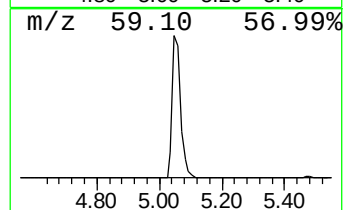
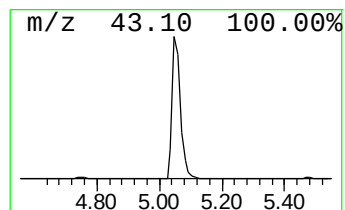
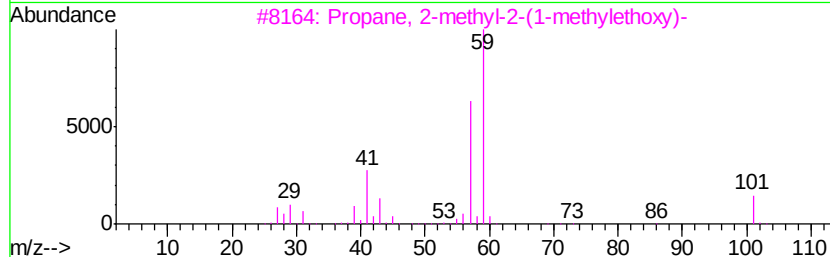
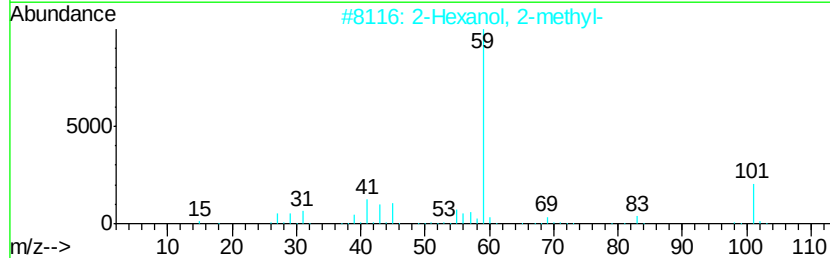
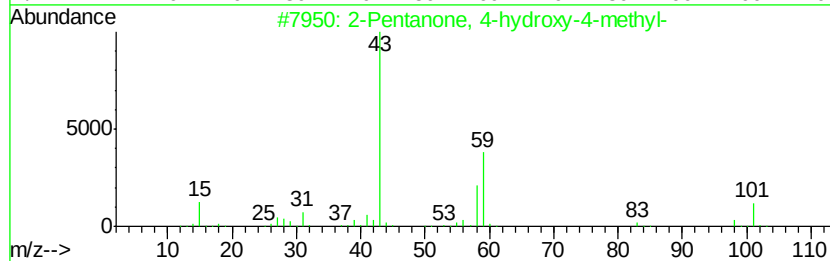
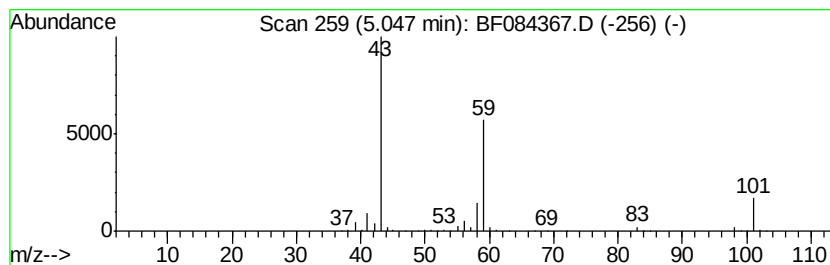
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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. |
|------|----------|---------|------------------------|------|
| 5.05 | 27.93 ng | 2406920 | 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 | 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 | 32   |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF123115.M  
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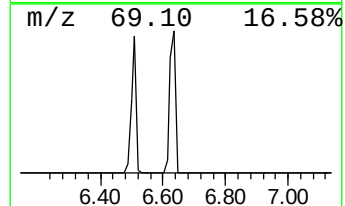
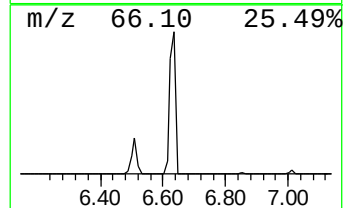
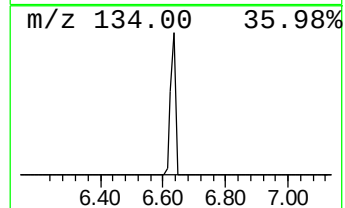
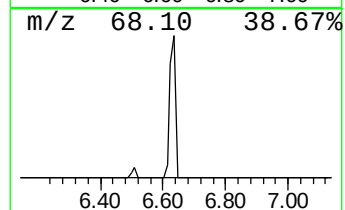
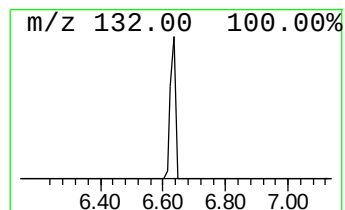
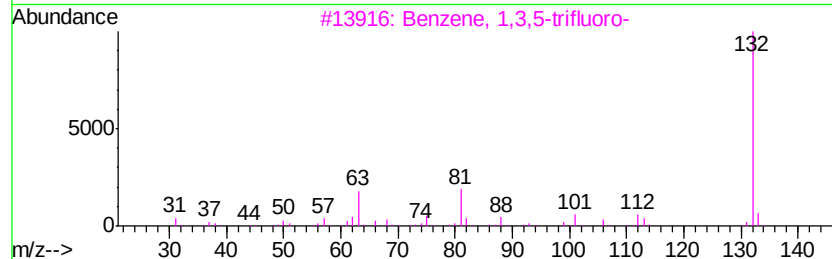
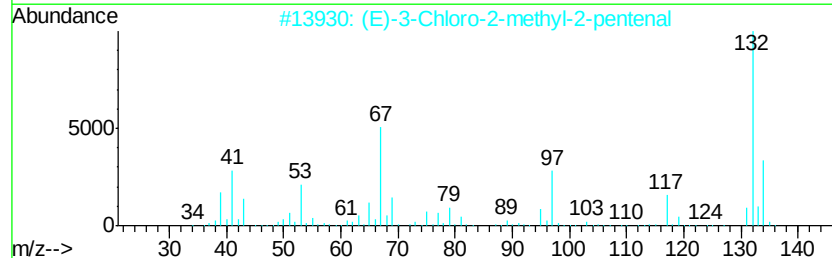
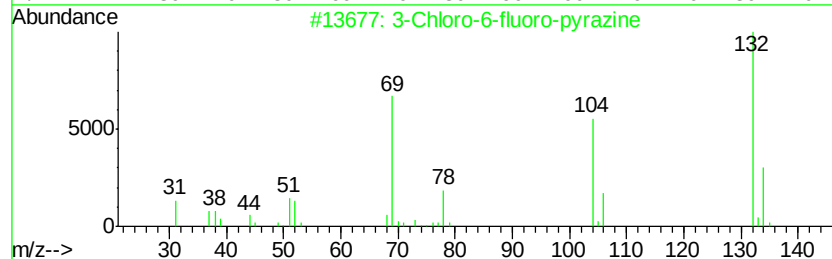
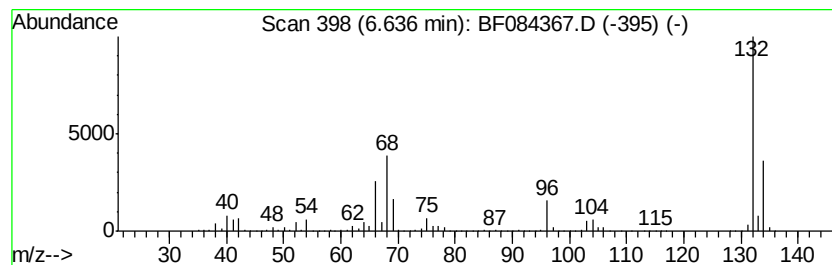
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown6.64 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 6.64 | 103.22 ng | 8895740 | 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    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 12   |
| 3    |    | Benzene, 1,3,5-trifluoro-           | 132 | C6H3F3    | 000372-38-3  | 9    |
| 4    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 5    |    | 1-Methylpyrrolo[1,2-a]pyrazine      | 132 | C8H8N2    | 064608-59-9  | 9    |



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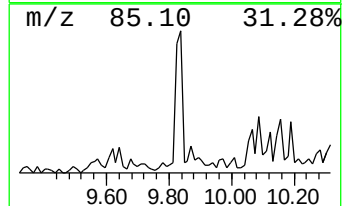
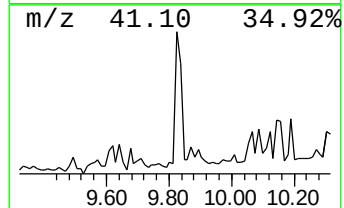
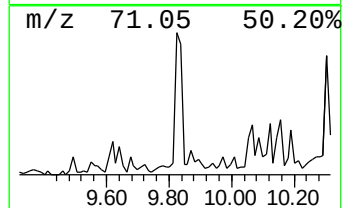
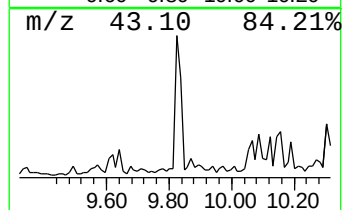
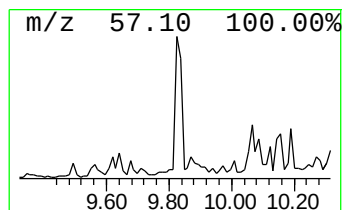
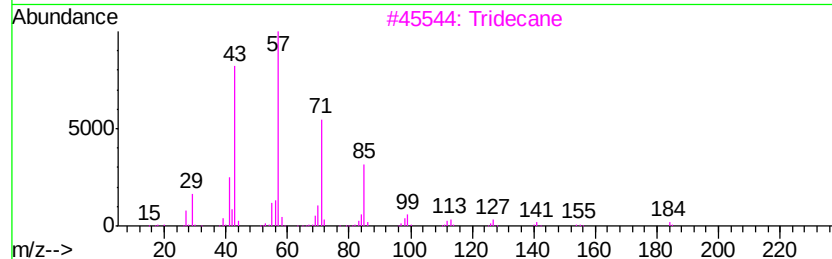
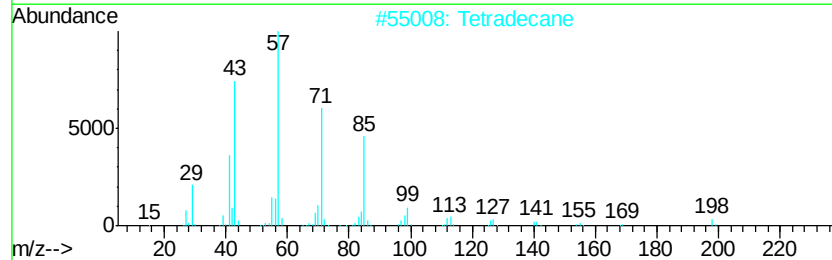
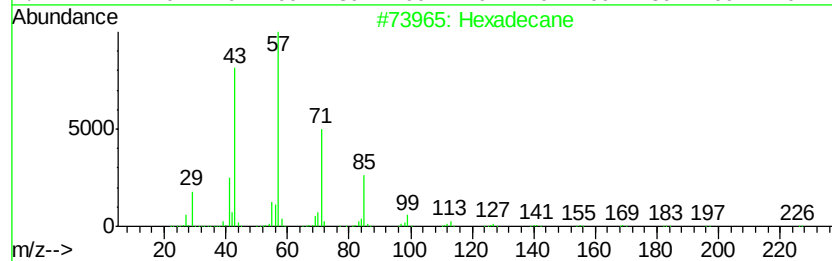
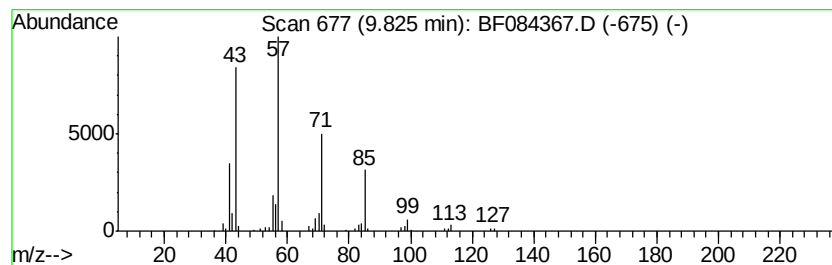
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Hexadecane Concentration Rank 15

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.82 | 2.11 ng | 243951 | Acenaphthene-d10 | 9.89 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane   | 226 | C16H34  | 000544-76-3 | 91   |
| 2    |    | Tetradecane  | 198 | C14H30  | 000629-59-4 | 83   |
| 3    |    | Tridecane    | 184 | C13H28  | 000629-50-5 | 78   |
| 4    |    | Pentadecane  | 212 | C15H32  | 000629-62-9 | 72   |
| 5    |    | Decane       | 142 | C10H22  | 000124-18-5 | 64   |



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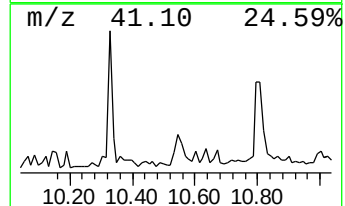
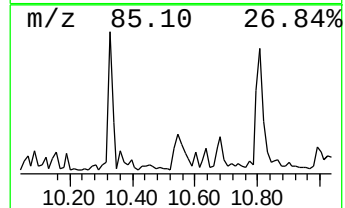
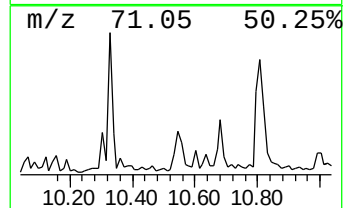
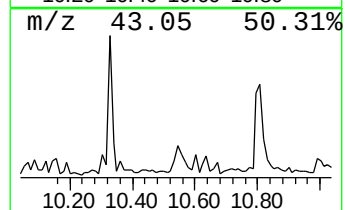
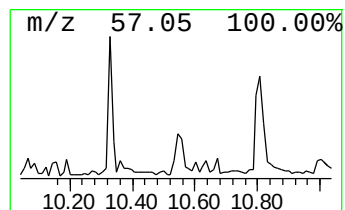
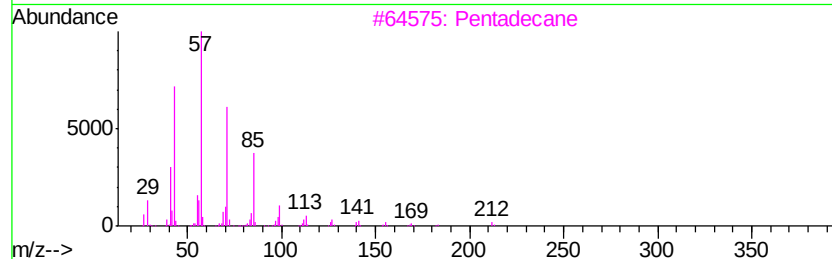
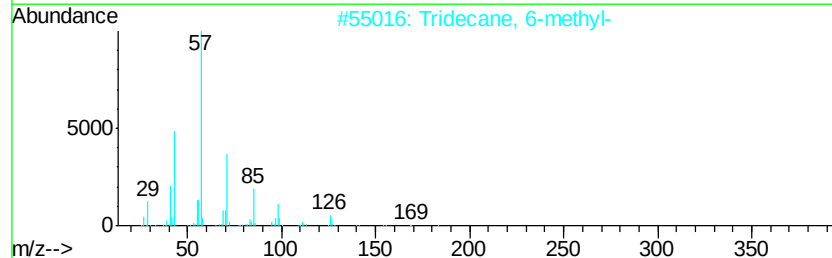
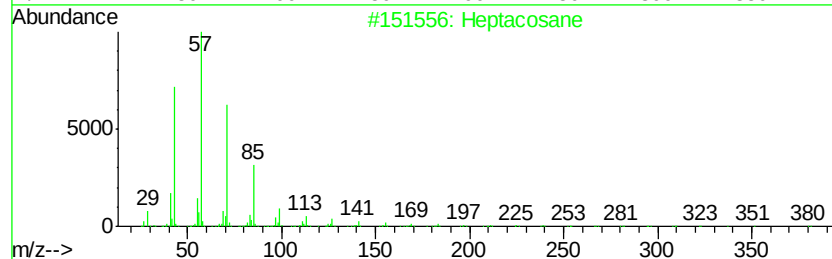
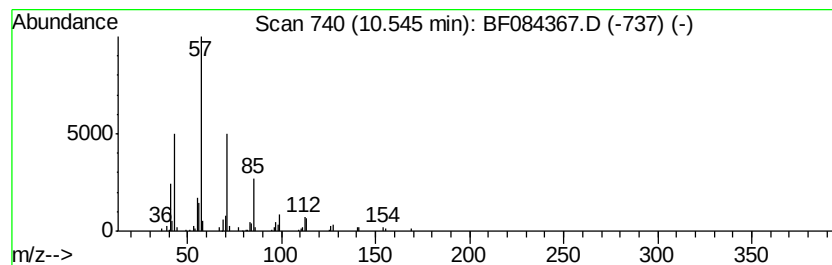
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Heptacosane Concentration Rank 12

| R.T.    | EstConc              | Area         | Relative to ISTD | R.T.      |
|---------|----------------------|--------------|------------------|-----------|
| 10.54   | 2.28 ng              | 263726       | Acenaphthene-d10 | 9.89      |
| Hit# of | 5                    | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Heptacosane          | 380 C27H56   | 000593-49-7      | 80        |
| 2       | Tridecane, 6-methyl- | 198 C14H30   | 013287-21-3      | 80        |
| 3       | Pentadecane          | 212 C15H32   | 000629-62-9      | 80        |
| 4       | Eicosane             | 282 C20H42   | 000112-95-8      | 72        |
| 5       | Hexadecane           | 226 C16H34   | 000544-76-3      | 72        |



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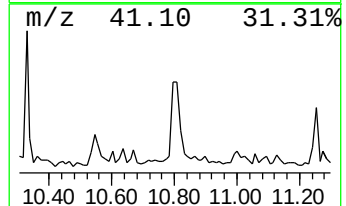
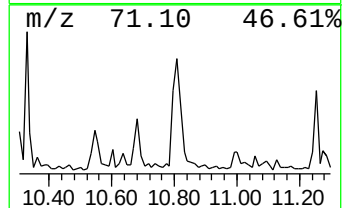
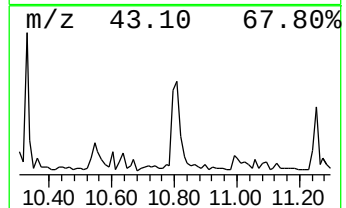
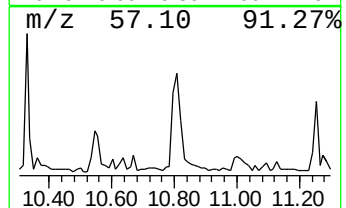
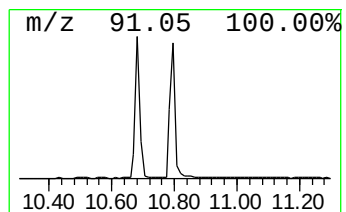
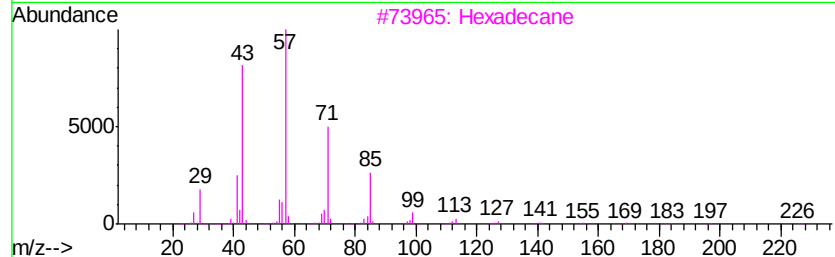
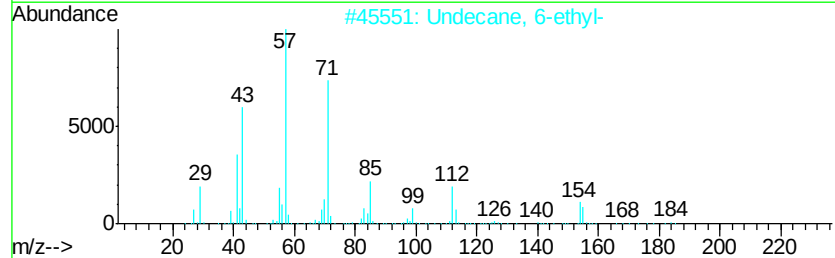
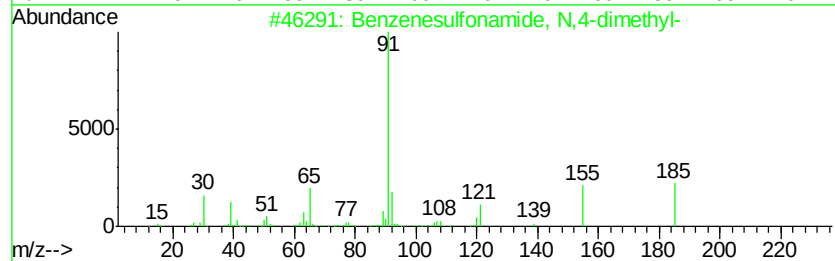
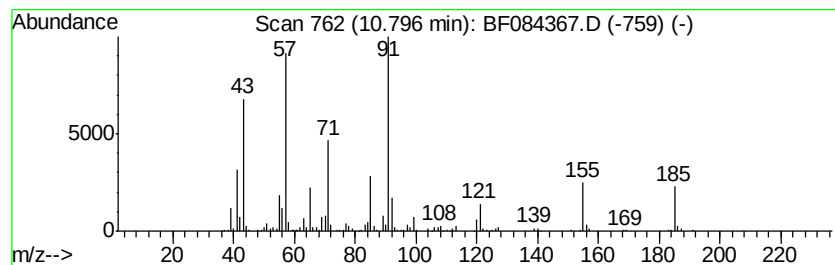
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 Benzenesulfonamide, N,4-dim... Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.80 | 8.05 ng | 892405 | Phenanthrene-d10 | 11.38 |

| Hit# of 5 | Tentative ID                      | MW  | MolForm   | CAS#        | Qual |
|-----------|-----------------------------------|-----|-----------|-------------|------|
| 1         | Benzenesulfonamide, N,4-dimethyl- | 185 | C8H11NO2S | 000640-61-9 | 95   |
| 2         | Undecane, 6-ethyl-                | 184 | C13H28    | 017312-60-6 | 42   |
| 3         | Hexadecane                        | 226 | C16H34    | 000544-76-3 | 38   |
| 4         | Dodecane, 4-methyl-               | 184 | C13H28    | 006117-97-1 | 30   |
| 5         | Undecane, 2,6-dimethyl-           | 184 | C13H28    | 017301-23-4 | 30   |





Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF011016\  
Data File : BF084367.D  
Acq On : 10 Jan 2016 16:20  
Operator : SJ/UM  
Sample : H1043-18  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

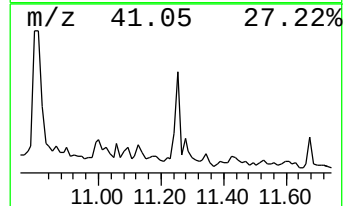
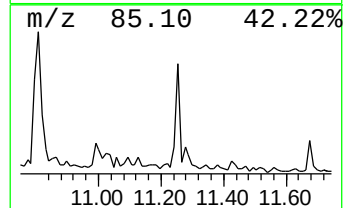
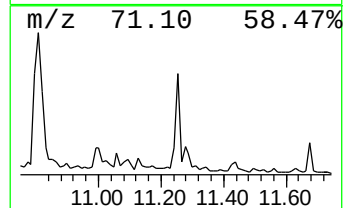
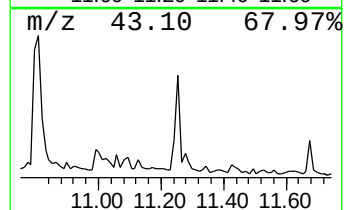
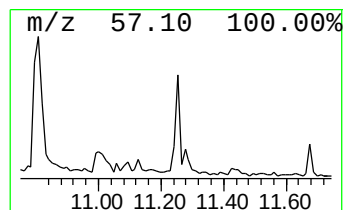
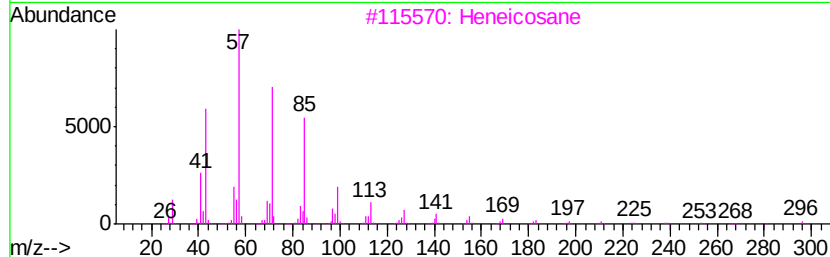
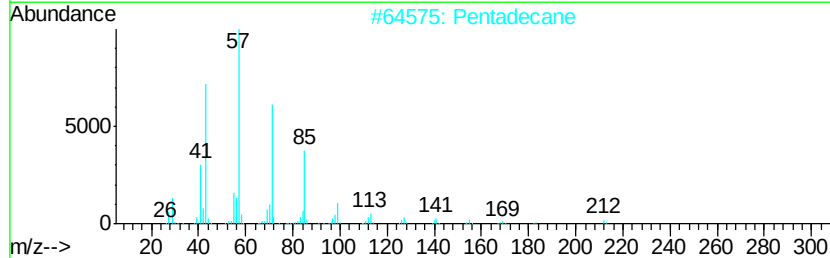
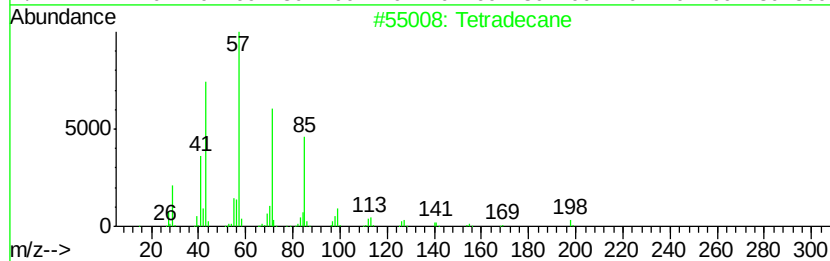
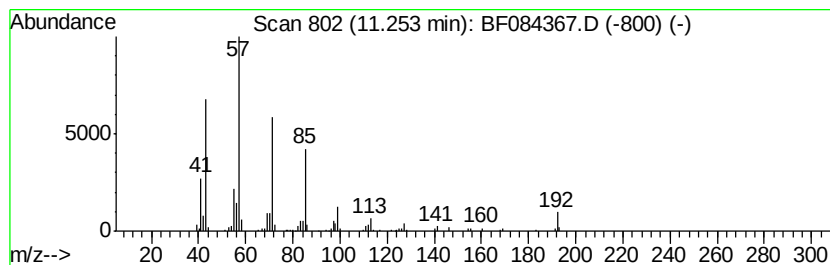
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ClientSampleId :  
SB-4COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF123115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 8 Tetradecane Concentration Rank 14

| R.T.    | EstConc | Area                         | Relative to ISTD | R.T.    |             |      |
|---------|---------|------------------------------|------------------|---------|-------------|------|
| 11.25   | 2.22 ng | 246015                       | Phenanthrene-d10 | 11.38   |             |      |
| Hit# of | 5       | Tentative ID                 | MW               | MolForm | CAS#        | Qual |
| 1       |         | Tetradecane                  | 198              | C14H30  | 000629-59-4 | 87   |
| 2       |         | Pentadecane                  | 212              | C15H32  | 000629-62-9 | 86   |
| 3       |         | Heneicosane                  | 296              | C21H44  | 000629-94-7 | 86   |
| 4       |         | Eicosane                     | 282              | C20H42  | 000112-95-8 | 86   |
| 5       |         | Dodecane, 2-methyl-6-propyl- | 226              | C16H34  | 055045-08-4 | 80   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF011016\  
Data File : BF084367.D  
Acq On : 10 Jan 2016 16:20  
Operator : SJ/UM  
Sample : H1043-18  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4COMP

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

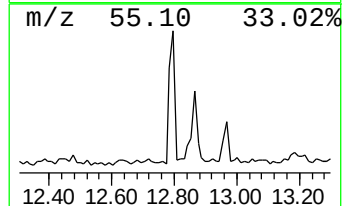
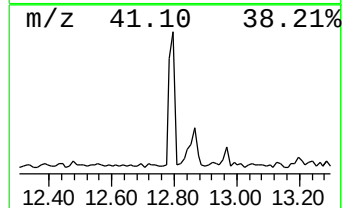
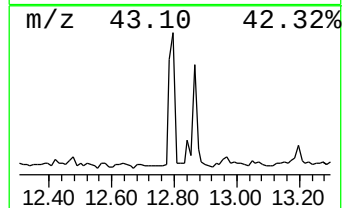
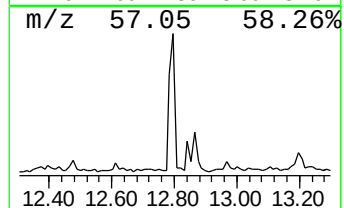
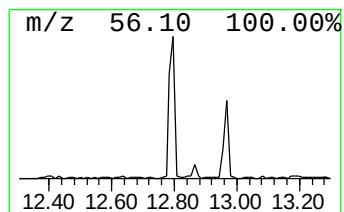
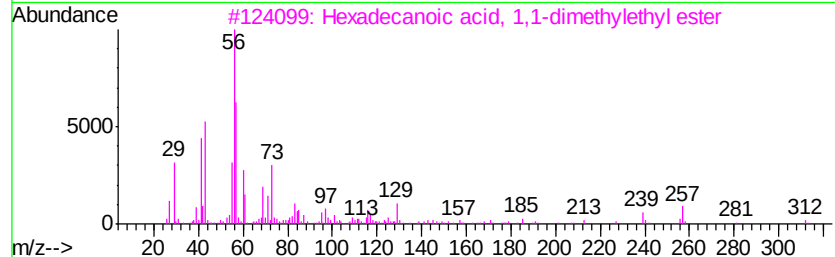
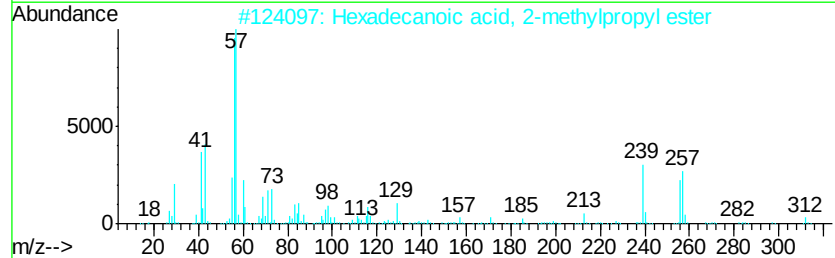
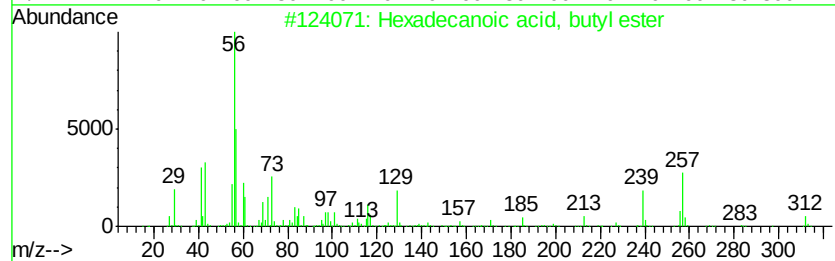
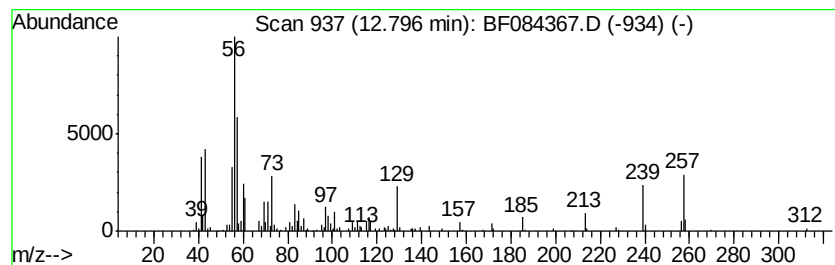
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 Hexadecanoic acid, butyl ester Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.80 | 3.87 ng | 283778 | Chrysene-d12     | 14.02 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Hexadecanoic acid, butyl ester      | 312 | C20H40O2 | 000111-06-8 | 91   |
| 2    |    | Hexadecanoic acid, 2-methylpropy... | 312 | C20H40O2 | 000110-34-9 | 72   |
| 3    |    | Hexadecanoic acid, 1,1-dimethyle... | 312 | C20H40O2 | 031158-91-5 | 53   |
| 4    |    | Nipecotic acid                      | 129 | C6H11NO2 | 000498-95-3 | 47   |
| 5    |    | Oxirane, 2,3-bis(1-methylethyl)-... | 128 | C8H16O   | 054644-32-5 | 35   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF011016\  
Data File : BF084367.D  
Acq On : 10 Jan 2016 16:20  
Operator : SJ/UM  
Sample : H1043-18  
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ALS Vial : 18 Sample Multiplier: 1

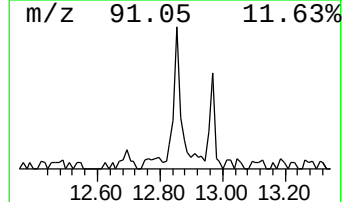
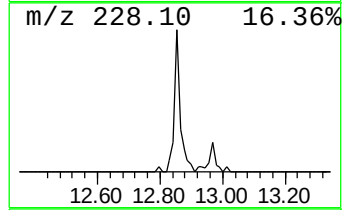
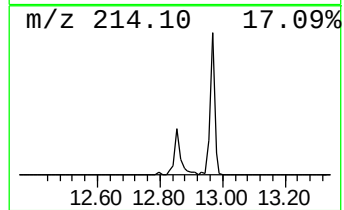
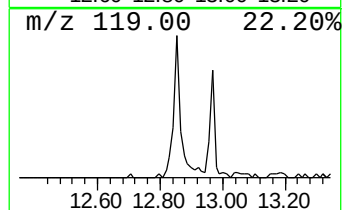
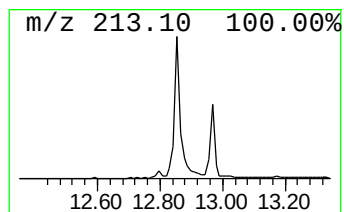
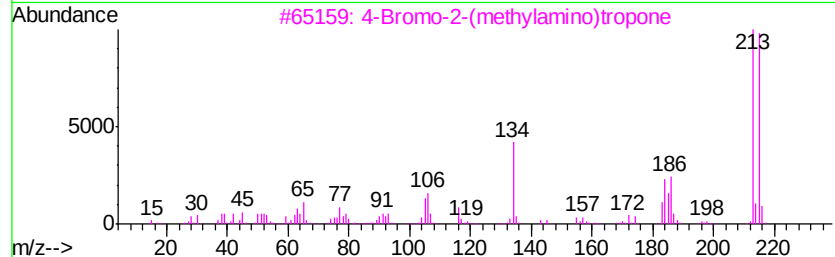
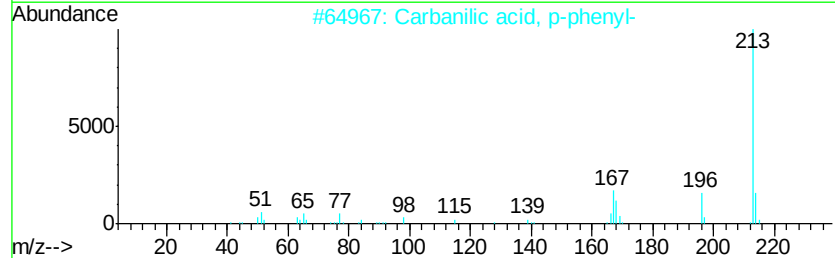
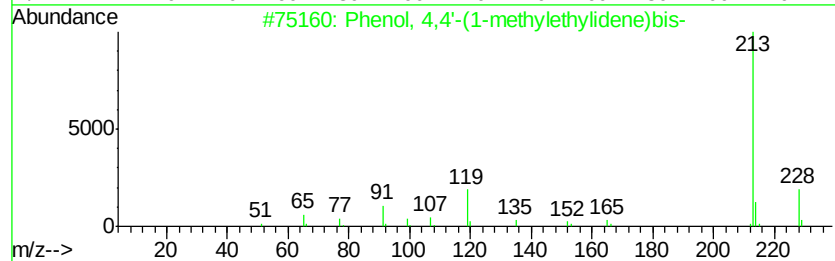
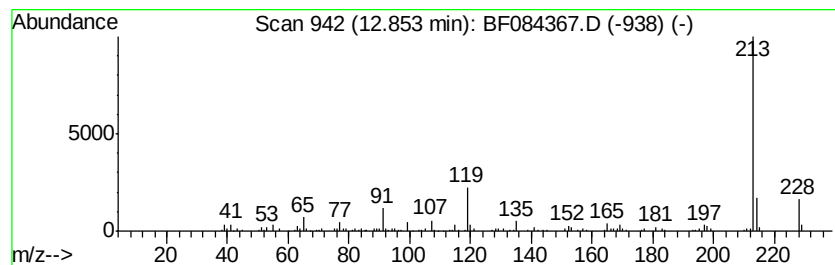
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ClientSampleId :  
SB-4COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF123115.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 Phenol, 4,4'-(1-methylethyl... Concentration Rank 6

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 12.85     | 4.38 ng                             | 320949 | Chrysene-d12     | 14.02        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Phenol, 4,4'-(1-methylethylidene... | 228    | C15H16O2         | 000080-05-7  | 97   |
| 2         | Carbanilic acid, p-phenyl-          | 213    | C13H11NO2        | 004474-53-7  | 52   |
| 3         | 4-Bromo-2-(methylamino)tropone      | 213    | C8H8BrNO         | 1000241-45-0 | 50   |
| 4         | Naphthalene-2,6-dicarboxylic aci... | 376    | C24H24O4         | 1000189-60-8 | 47   |
| 5         | 2H,8H-Benzo[1,2-b:5,4-b']dipyran... | 228    | C14H12O3         | 000553-19-5  | 42   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011016\  
Data File : BF084367.D  
Acq On : 10 Jan 2016 16:20  
Operator : SJ/UM  
Sample : H1043-18  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4COMP

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

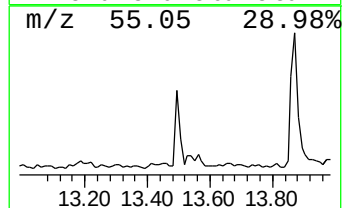
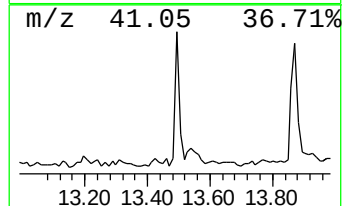
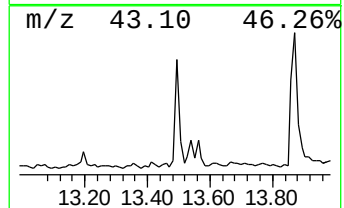
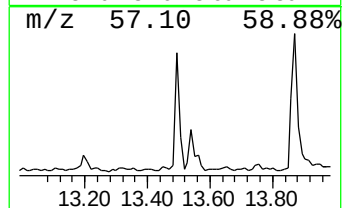
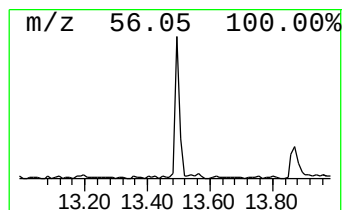
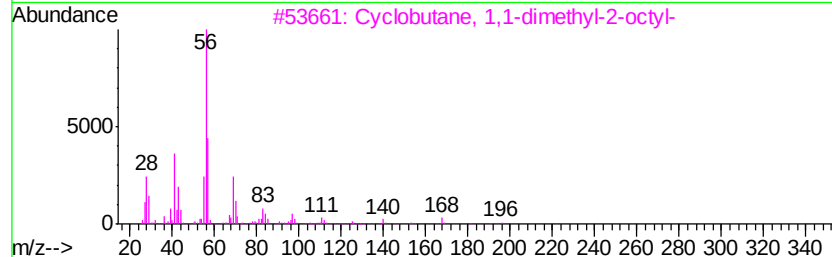
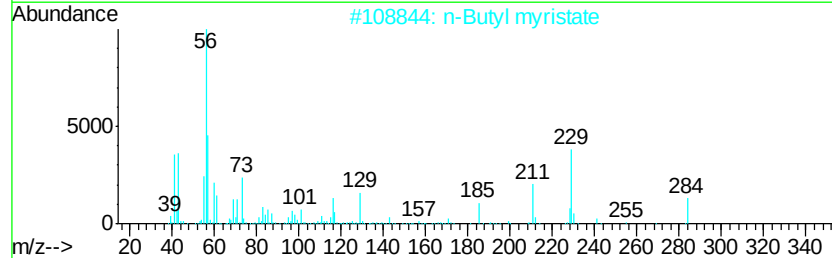
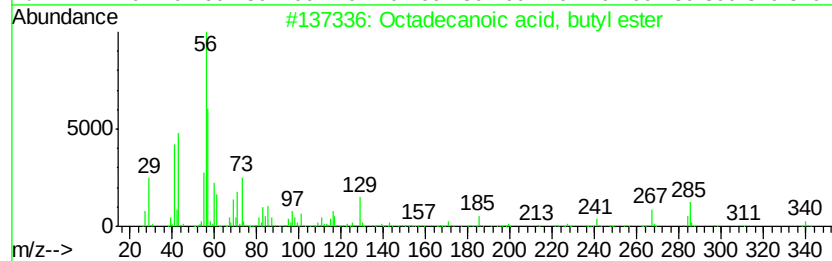
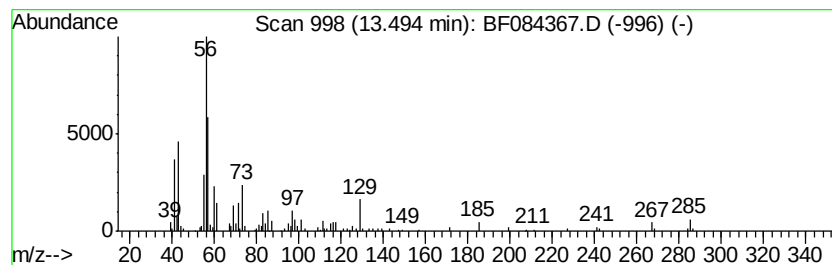
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Octadecanoic acid, butyl ester Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.49 | 2.74 ng | 201050 | Chrysene-d12     | 14.02 |

| Hit# | of | Tentative ID                       | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Octadecanoic acid, butyl ester     | 340 | C22H44O2 | 000123-95-5 | 90   |
| 2    |    | n-Butyl myristate                  | 284 | C18H36O2 | 000110-36-1 | 90   |
| 3    |    | Cyclobutane, 1,1-dimethyl-2-octyl- | 196 | C14H28   | 062338-30-1 | 43   |
| 4    |    | Cyclopentanamine                   | 85  | C5H11N   | 001003-03-8 | 38   |
| 5    |    | Cyclopentanone, 2,2-dimethyl-      | 112 | C7H12O   | 004541-32-6 | 38   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011016\  
Data File : BF084367.D  
Acq On : 10 Jan 2016 16:20  
Operator : SJ/UM  
Sample : H1043-18  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4COMP

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

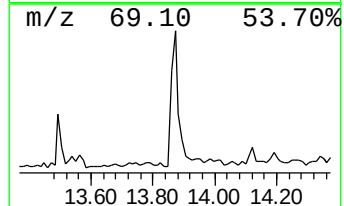
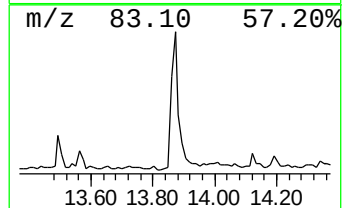
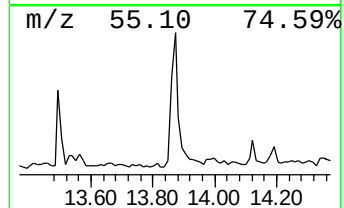
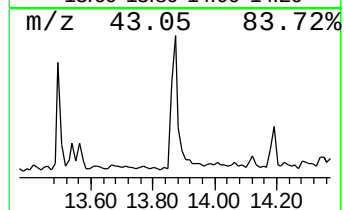
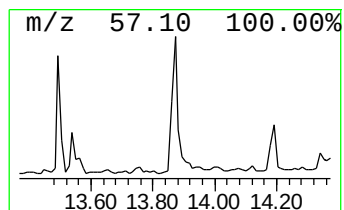
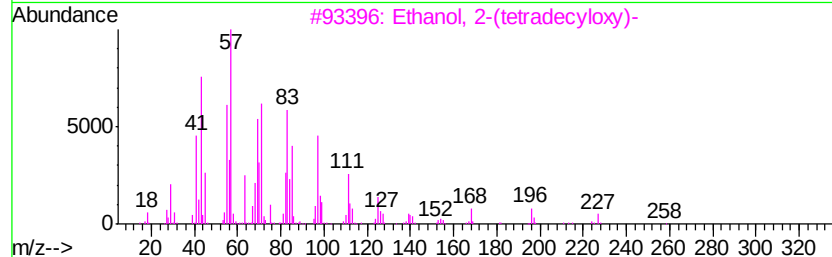
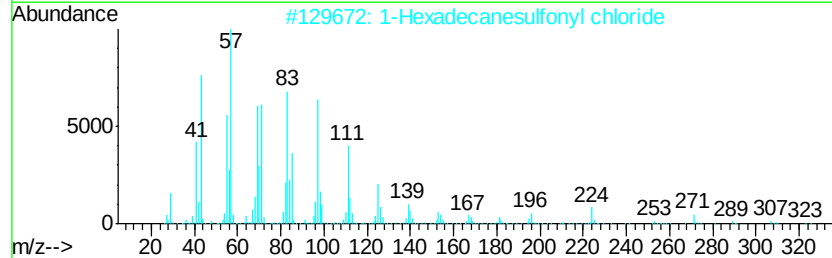
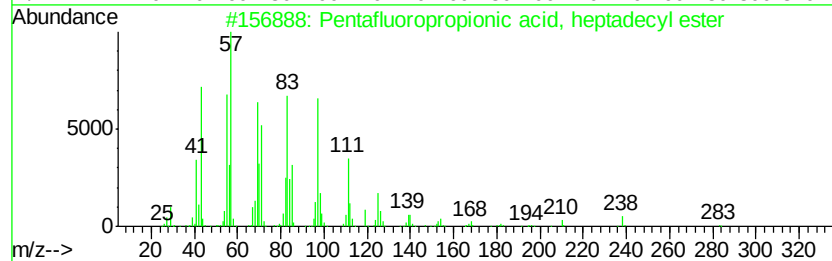
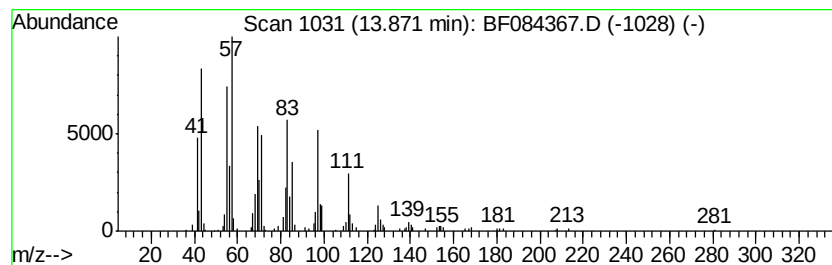
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Pentafluoropropionic acid, ... Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.87 | 5.22 ng | 383238 | Chrysene-d12     | 14.02 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Pentafluoropropionic acid, hepta... | 402 | C20H35F5O2  | 1000283-04-2 | 91   |
| 2    |    | 1-Hexadecanesulfonyl chloride       | 324 | C16H33ClO2S | 038775-38-1  | 91   |
| 3    |    | Ethanol, 2-(tetradecyloxy)-         | 258 | C16H34O2    | 002136-70-1  | 91   |
| 4    |    | Heptafluorobutanoic acid, heptad... | 452 | C21H35F7O2  | 1000282-97-3 | 91   |
| 5    |    | Trifluoroacetic acid, n-octadecy... | 366 | C20H37F3O2  | 079392-43-1  | 91   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011016\  
Data File : BF084367.D  
Acq On : 10 Jan 2016 16:20  
Operator : SJ/UM  
Sample : H1043-18  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4COMP

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

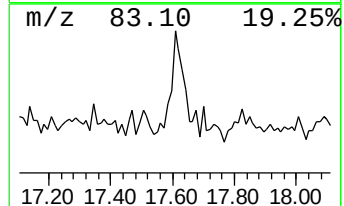
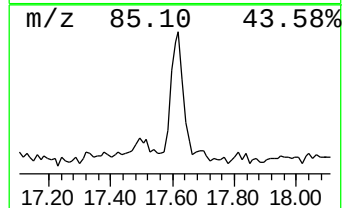
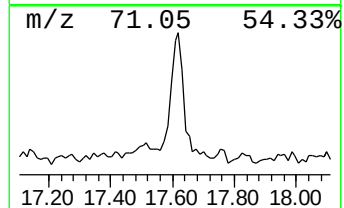
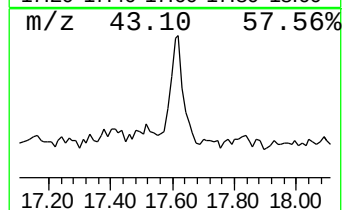
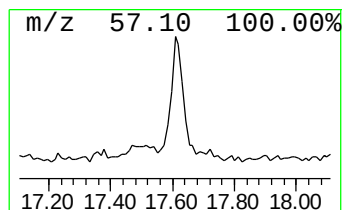
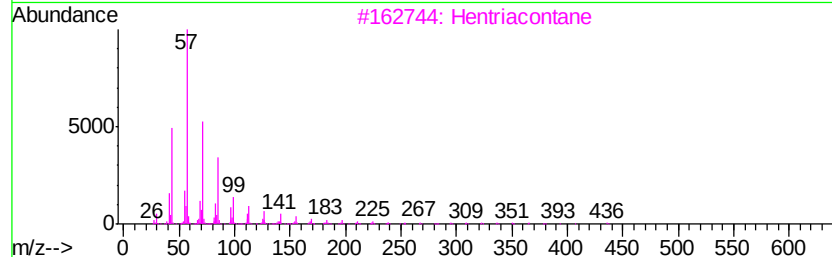
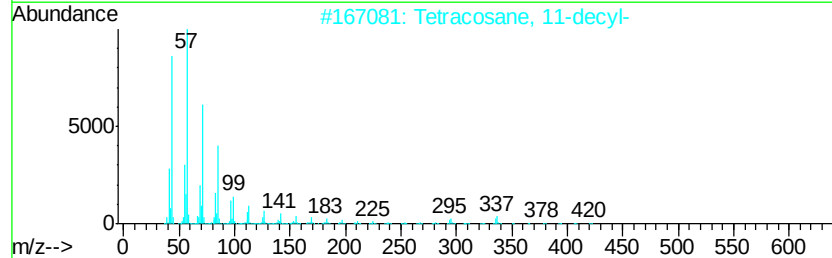
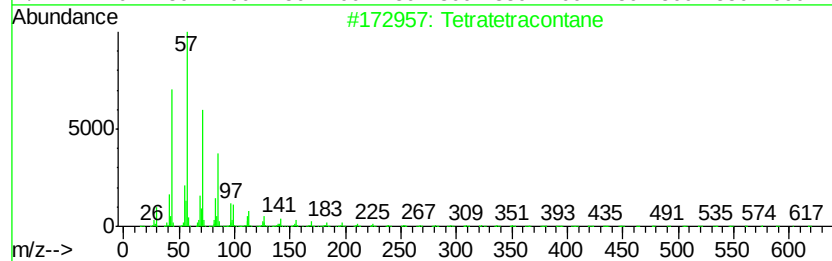
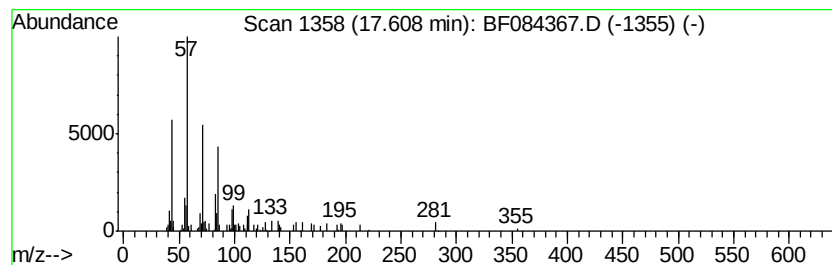
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Tetratetracontane Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 17.61 | 3.10 ng | 193060 | Perylene-d12     | 15.45 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Tetratetracontane      | 619 | C44H90  | 007098-22-8 | 90   |
| 2    |    |   | Tetracosane, 11-decyl- | 479 | C34H70  | 055429-84-0 | 90   |
| 3    |    |   | Hentriacontane         | 437 | C31H64  | 000630-04-6 | 80   |
| 4    |    |   | Heptadecane, 9-octyl-  | 352 | C25H52  | 007225-64-1 | 72   |
| 5    |    |   | Eicosane               | 282 | C20H42  | 000112-95-8 | 72   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF011016\  
Data File : BF084367.D  
Acq On : 10 Jan 2016 16:20  
Operator : SJ/UM  
Sample : H1043-18  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF123115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

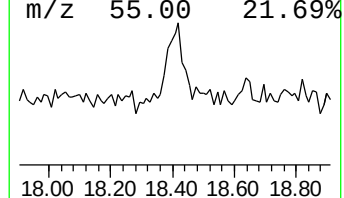
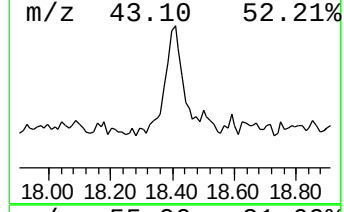
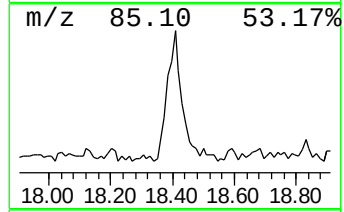
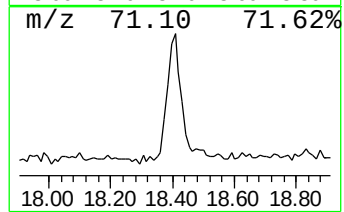
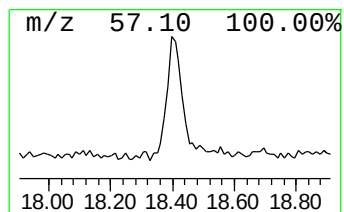
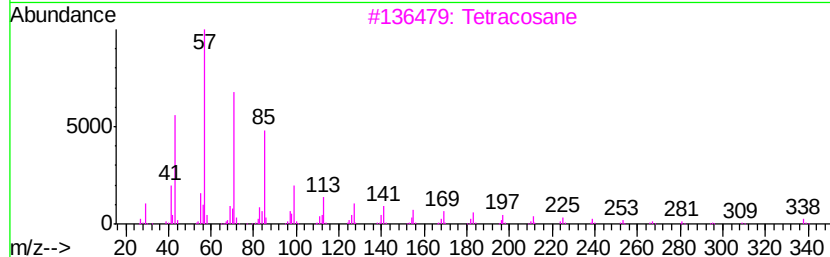
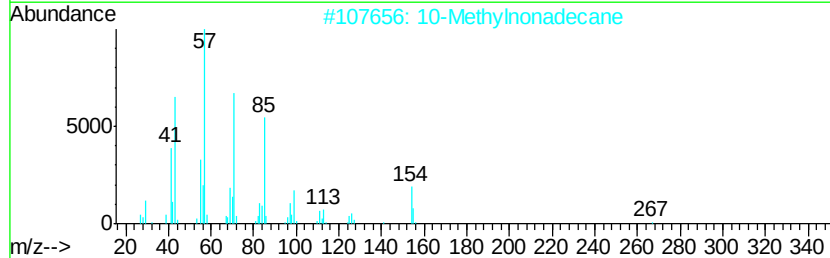
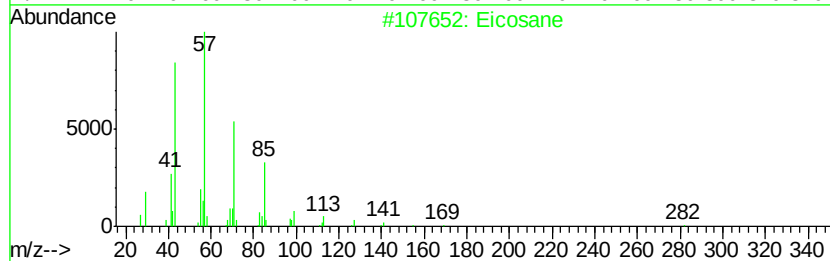
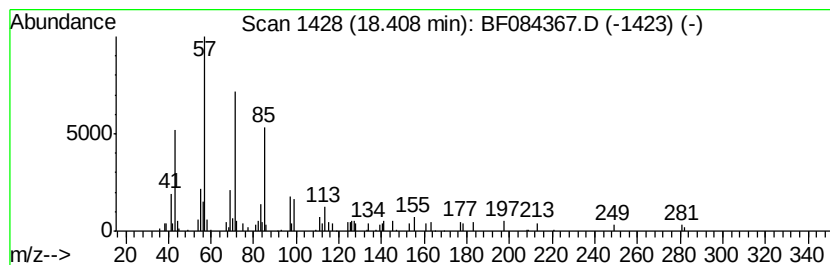
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 14 Eicosane Concentration Rank 11

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 18.41 | 2.51 ng | 156419 | Perylene-d12     | 15.45 |

| Hit# | of                    | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|-----------------------|---|--------------|-----|---------|-------------|------|
| 1    | Eicosane              |   |              | 282 | C20H42  | 000112-95-8 | 86   |
| 2    | 10-Methylnonadecane   |   |              | 282 | C20H42  | 056862-62-5 | 80   |
| 3    | Tetracosane           |   |              | 338 | C24H50  | 000646-31-1 | 80   |
| 4    | Eicosane, 7-hexyl-    |   |              | 366 | C26H54  | 055333-99-8 | 80   |
| 5    | Heptadecane, 9-octyl- |   |              | 352 | C25H52  | 007225-64-1 | 80   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF011016\  
Data File : BF084367.D  
Acq On : 10 Jan 2016 16:20  
Operator : SJ/UM  
Sample : H1043-18  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF123115.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... | 5.05  | 27.9    | ng    | 2406920  | 1                     | 6.85  | 1723740 | 20.0 |
| unknown6.64          | 6.64  | 103.2   | ng    | 8895740  | 1                     | 6.85  | 1723740 | 20.0 |
| Hexadecane           | 9.82  | 2.1     | ng    | 243951   | 3                     | 9.89  | 2312300 | 20.0 |
| Heptacosane          | 10.54 | 2.3     | ng    | 263726   | 3                     | 9.89  | 2312300 | 20.0 |
| Benzenesulfonamid... | 10.80 | 8.1     | ng    | 892405   | 4                     | 11.38 | 2217060 | 20.0 |
| Tetradecane          | 11.25 | 2.2     | ng    | 246015   | 4                     | 11.38 | 2217060 | 20.0 |
| Hexadecanoic acid... | 12.80 | 3.9     | ng    | 283778   | 5                     | 14.02 | 1467120 | 20.0 |
| Phenol, 4,4'-(1-m... | 12.85 | 4.4     | ng    | 320949   | 5                     | 14.02 | 1467120 | 20.0 |
| Octadecanoic acid... | 13.49 | 2.7     | ng    | 201050   | 5                     | 14.02 | 1467120 | 20.0 |
| Pentafluoropropio... | 13.87 | 5.2     | ng    | 383238   | 5                     | 14.02 | 1467120 | 20.0 |
| Tetratetracontane    | 17.61 | 3.1     | ng    | 193060   | 6                     | 15.45 | 1246180 | 20.0 |
| Eicosane             | 18.41 | 2.5     | ng    | 156419   | 6                     | 15.45 | 1246180 | 20.0 |