

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF081815\  
 Data File : BF081079.D  
 Acq On : 19 Aug 2015 11:41  
 Operator : UM/IZ  
 Sample : G3282-13  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB05-1.0-2.0-081215

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-BF081715.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 3.987       | 172           | 175         | 180          | rVB      | 43146          | 73235         | 3.72%           | 0.308%        |
| 2         | 4.730       | 236           | 240         | 243          | rBV      | 968749         | 1622252       | 82.34%          | 6.828%        |
| 3         | 5.187       | 277           | 280         | 282          | rBV      | 1283859        | 1731453       | 87.89%          | 7.287%        |
| 4         | 5.599       | 314           | 316         | 319          | rBV      | 70047          | 61567         | 3.13%           | 0.259%        |
| 5         | 5.781       | 330           | 332         | 340          | rBV      | 28160          | 44746         | 2.27%           | 0.188%        |
| 6         | 6.181       | 365           | 367         | 370          | rBV      | 23946          | 30737         | 1.56%           | 0.129%        |
| 7         | 6.261       | 370           | 374         | 376          | rVV      | 1293372        | 1970132       | 100.00%         | 8.292%        |
| 8         | 6.376       | 381           | 384         | 386          | rBV      | 1765763        | 1867687       | 94.80%          | 7.861%        |
| 9         | 6.604       | 402           | 404         | 406          | rBV      | 518771         | 421149        | 21.38%          | 1.773%        |
| 10        | 6.764       | 415           | 418         | 420          | rBV      | 1509271        | 1425297       | 72.35%          | 5.999%        |
| 11        | 7.176       | 451           | 454         | 456          | rBV      | 1277853        | 1239829       | 62.93%          | 5.218%        |
| 12        | 7.816       | 508           | 510         | 512          | rBV      | 34133          | 40647         | 2.06%           | 0.171%        |
| 13        | 7.896       | 514           | 517         | 519          | rVB      | 476100         | 566816        | 28.77%          | 2.386%        |
| 14        | 7.976       | 522           | 524         | 527          | rBV      | 31406          | 35240         | 1.79%           | 0.148%        |
| 15        | 8.970       | 608           | 611         | 613          | rVB      | 2220404        | 1952813       | 99.12%          | 8.219%        |
| 16        | 9.062       | 617           | 619         | 622          | rVV      | 32541          | 26346         | 1.34%           | 0.111%        |
| 17        | 9.370       | 644           | 646         | 648          | rBV      | 408544         | 407107        | 20.66%          | 1.713%        |
| 18        | 9.416       | 648           | 650         | 653          | rVB      | 68251          | 85087         | 4.32%           | 0.358%        |
| 19        | 9.588       | 663           | 665         | 667          | rVB      | 85935          | 70578         | 3.58%           | 0.297%        |
| 20        | 9.633       | 667           | 669         | 672          | rVB      | 721566         | 625556        | 31.75%          | 2.633%        |
| 21        | 9.816       | 683           | 685         | 687          | rBV      | 10869          | 23322         | 1.18%           | 0.098%        |
| 22        | 9.908       | 692           | 693         | 695          | rVB      | 34117          | 28546         | 1.45%           | 0.120%        |
| 23        | 10.090      | 700           | 709         | 710          | rBV      | 113041         | 182153        | 9.25%           | 0.767%        |
| 24        | 10.308      | 725           | 728         | 730          | rBV      | 82974          | 105754        | 5.37%           | 0.445%        |
| 25        | 10.388      | 733           | 735         | 736          | rVV      | 25478          | 33620         | 1.71%           | 0.142%        |
| 26        | 10.422      | 736           | 738         | 740          | rVB2     | 641043         | 816607        | 41.45%          | 3.437%        |
| 27        | 10.559      | 748           | 750         | 753          | rBV      | 239569         | 373053        | 18.94%          | 1.570%        |
| 28        | 10.753      | 764           | 767         | 771          | rBV2     | 33227          | 81666         | 4.15%           | 0.344%        |
| 29        | 10.879      | 776           | 778         | 780          | rVV2     | 19625          | 25395         | 1.29%           | 0.107%        |
| 30        | 11.005      | 787           | 789         | 790          | rBV      | 226522         | 223926        | 11.37%          | 0.942%        |
| 31        | 11.028      | 790           | 791         | 794          | rVB      | 121337         | 124955        | 6.34%           | 0.526%        |
| 32        | 11.108      | 795           | 798         | 800          | rBV      | 746308         | 663417        | 33.67%          | 2.792%        |
| 33        | 11.176      | 802           | 804         | 808          | rVB2     | 16946          | 31057         | 1.58%           | 0.131%        |
| 34        | 11.268      | 811           | 812         | 814          | rBV      | 15849          | 22340         | 1.13%           | 0.094%        |

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 Peak Location: TOP

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 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 11.336 | 816  | 818  | 820  | rVV  | 28426   | 29048   | 1.47%  | 0.122% |
| 36 | 11.382 | 820  | 822  | 824  | rVV  | 48548   | 53918   | 2.74%  | 0.227% |
| 37 | 11.428 | 824  | 826  | 828  | rVB  | 239424  | 207655  | 10.54% | 0.874% |
| 38 | 11.599 | 837  | 841  | 843  | rBV3 | 29874   | 91615   | 4.65%  | 0.386% |
| 39 | 11.656 | 845  | 846  | 847  | rVV  | 76460   | 66334   | 3.37%  | 0.279% |
| 40 | 11.725 | 850  | 852  | 857  | rVV4 | 23107   | 81708   | 4.15%  | 0.344% |
| 41 | 11.828 | 859  | 861  | 863  | rVV  | 164270  | 167833  | 8.52%  | 0.706% |
| 42 | 11.896 | 865  | 867  | 871  | rBV4 | 23233   | 58414   | 2.96%  | 0.246% |
| 43 | 11.988 | 872  | 875  | 877  | rBV2 | 27280   | 58598   | 2.97%  | 0.247% |
| 44 | 12.114 | 884  | 886  | 888  | rBV  | 52012   | 60833   | 3.09%  | 0.256% |
| 45 | 12.216 | 893  | 895  | 897  | rBV  | 136715  | 123853  | 6.29%  | 0.521% |
| 46 | 12.319 | 902  | 904  | 906  | rBV  | 37629   | 62273   | 3.16%  | 0.262% |
| 47 | 12.365 | 906  | 908  | 912  | rBV2 | 31800   | 79450   | 4.03%  | 0.334% |
| 48 | 12.434 | 912  | 914  | 915  | rBV  | 29863   | 43132   | 2.19%  | 0.182% |
| 49 | 12.536 | 921  | 923  | 924  | rVB  | 213096  | 181841  | 9.23%  | 0.765% |
| 50 | 12.582 | 924  | 927  | 934  | rBV3 | 167090  | 431886  | 21.92% | 1.818% |
| 51 | 12.696 | 934  | 937  | 939  | rBV  | 1856412 | 1895901 | 96.23% | 7.980% |
| 52 | 12.936 | 956  | 958  | 960  | rBV2 | 66726   | 110776  | 5.62%  | 0.466% |
| 53 | 12.982 | 960  | 962  | 965  | rBV2 | 48567   | 88046   | 4.47%  | 0.371% |
| 54 | 13.062 | 967  | 969  | 971  | rBV  | 69916   | 113590  | 5.77%  | 0.478% |
| 55 | 13.234 | 982  | 984  | 986  | rBV  | 157646  | 176613  | 8.96%  | 0.743% |
| 56 | 13.279 | 986  | 988  | 992  | rVV  | 107174  | 194866  | 9.89%  | 0.820% |
| 57 | 13.394 | 996  | 998  | 1003 | rVV2 | 59170   | 140820  | 7.15%  | 0.593% |
| 58 | 13.588 | 1013 | 1015 | 1016 | rBV  | 68423   | 119428  | 6.06%  | 0.503% |
| 59 | 13.611 | 1016 | 1017 | 1024 | rVB2 | 131932  | 240888  | 12.23% | 1.014% |
| 60 | 13.725 | 1024 | 1027 | 1029 | rBV  | 510808  | 555894  | 28.22% | 2.340% |
| 61 | 14.022 | 1051 | 1053 | 1056 | rBV  | 76189   | 110423  | 5.60%  | 0.465% |
| 62 | 14.228 | 1069 | 1071 | 1072 | rBV  | 73887   | 78633   | 3.99%  | 0.331% |
| 63 | 14.502 | 1092 | 1095 | 1098 | rBV  | 397777  | 680175  | 34.52% | 2.863% |
| 64 | 15.074 | 1143 | 1145 | 1147 | rVB  | 300348  | 324156  | 16.45% | 1.364% |
| 65 | 16.022 | 1226 | 1228 | 1234 | rVB2 | 41522   | 96870   | 4.92%  | 0.408% |

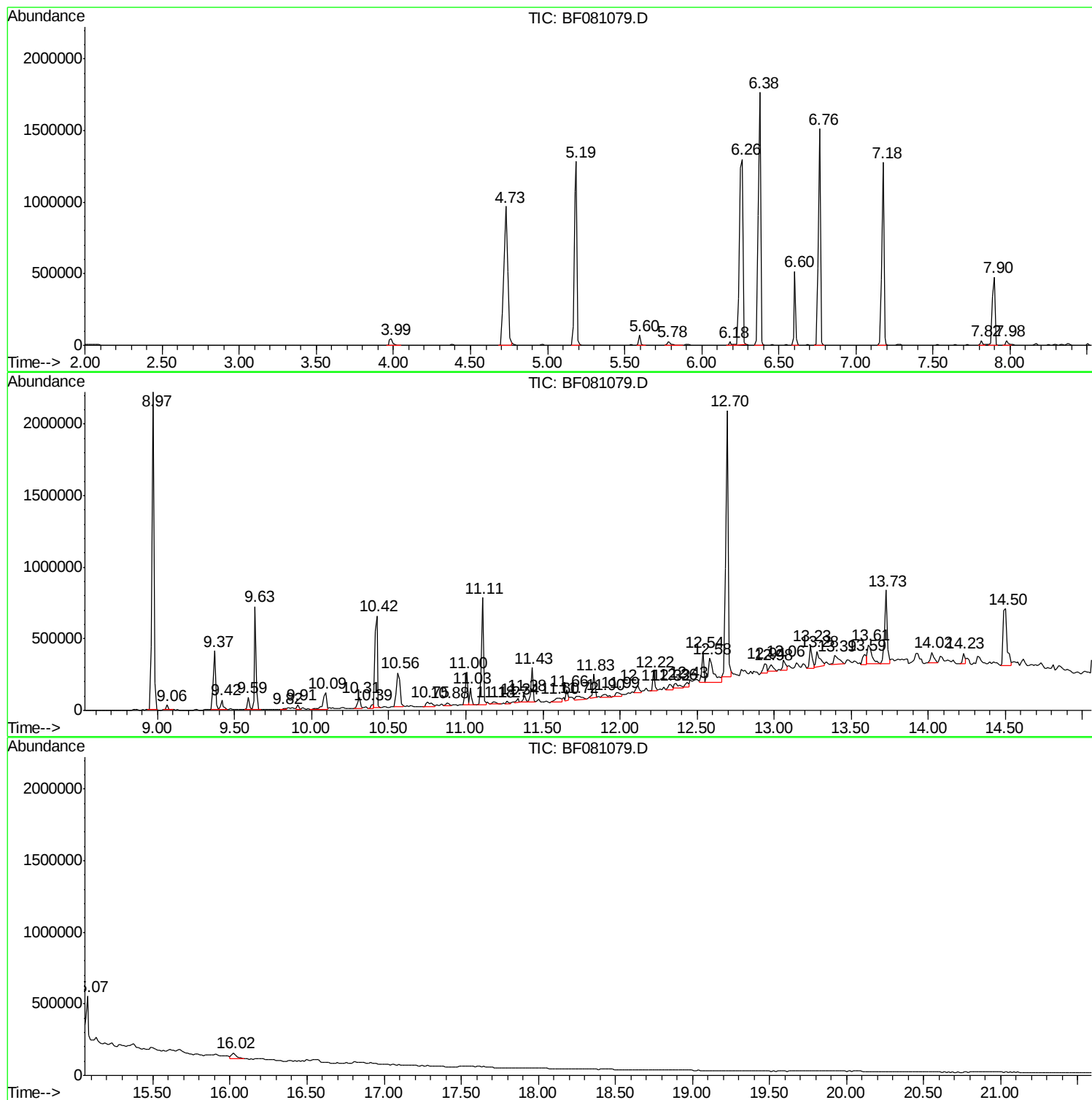
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Misc :  
ALS Vial : 35 Sample Multiplier: 1

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BNA\_F  
ClientSampleId :  
SB05-1.0-2.0-081215

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.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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ClientSampleId :  
SB05-1.0-2.0-081215

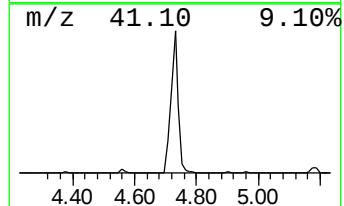
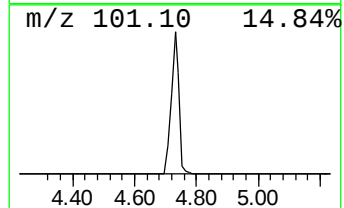
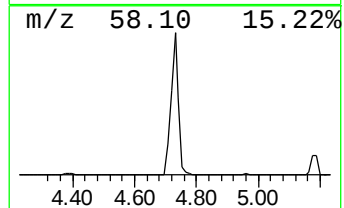
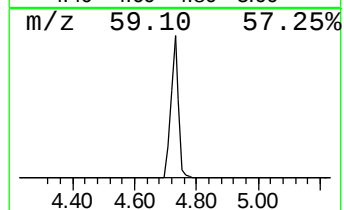
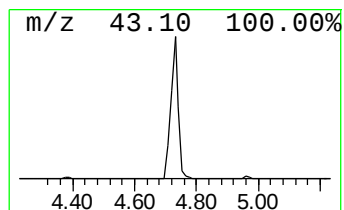
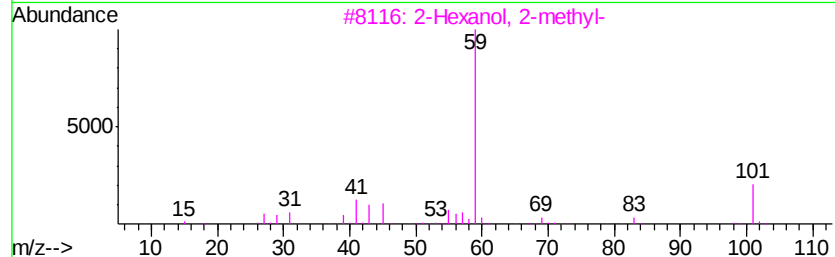
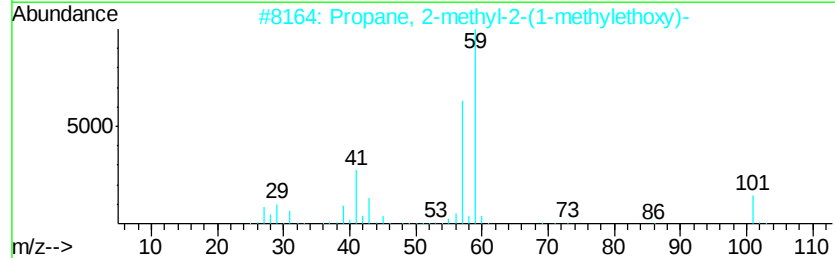
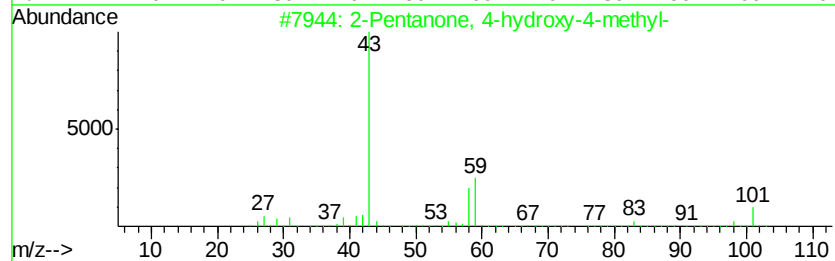
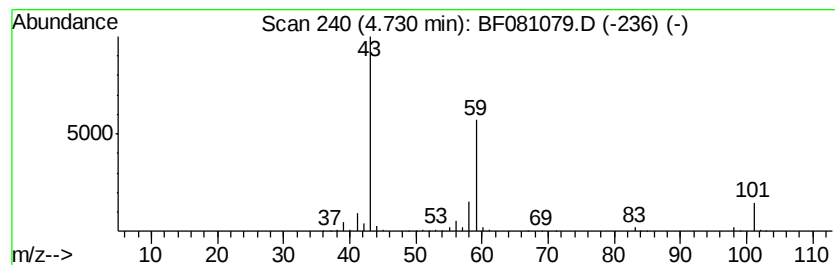
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 4.73 | 77.04 ng | 1622250 | 1,4-Dichlorobenzene-d4 | 6.60 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 59   |
| 2    |    |   | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O   | 017348-59-3 | 42   |
| 3    |    |   | 2-Hexanol, 2-methyl-                | 116 | C7H16O   | 000625-23-0 | 33   |
| 4    |    |   | 3-Hexanol, 4-methyl-                | 116 | C7H16O   | 000615-29-2 | 33   |
| 5    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 32   |



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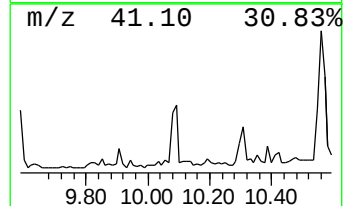
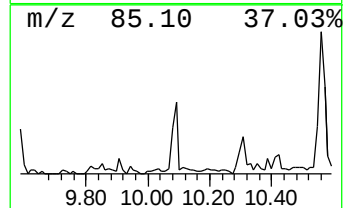
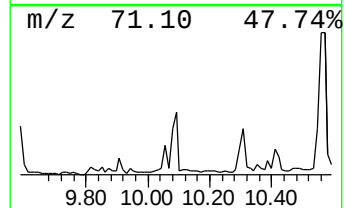
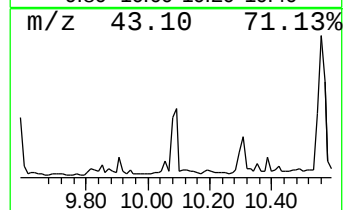
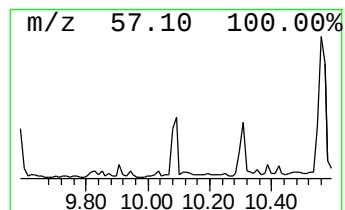
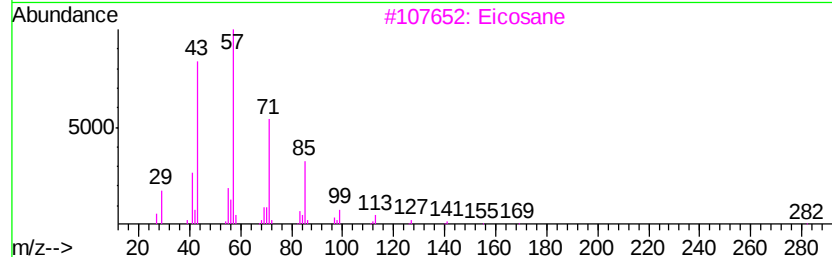
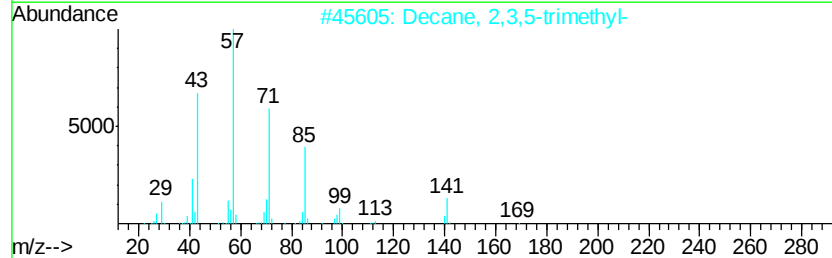
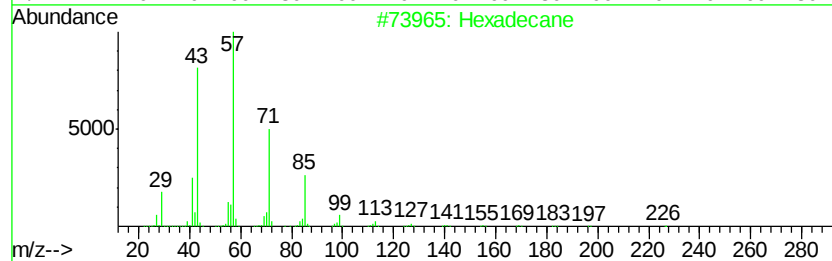
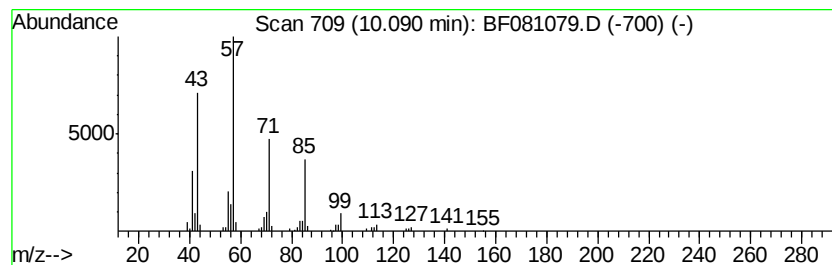
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Hexadecane Concentration Rank 14

| R.T.  | EstConc | Area   | Relative to ISTD | R.T. |
|-------|---------|--------|------------------|------|
| 10.09 | 5.82 ng | 182153 | Acenaphthene-d10 | 9.63 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane               | 226 | C16H34  | 000544-76-3 | 90   |
| 2    |    | Decane, 2,3,5-trimethyl- | 184 | C13H28  | 062238-11-3 | 90   |
| 3    |    | Eicosane                 | 282 | C20H42  | 000112-95-8 | 87   |
| 4    |    | Heptadecane              | 240 | C17H36  | 000629-78-7 | 83   |
| 5    |    | Pentadecane              | 212 | C15H32  | 000629-62-9 | 72   |



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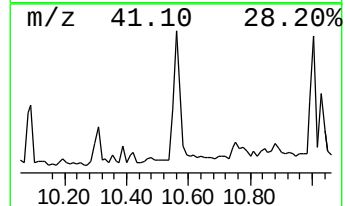
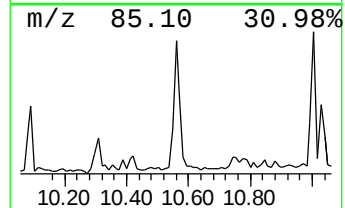
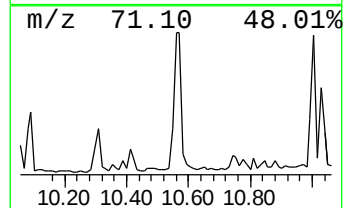
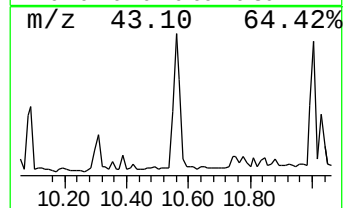
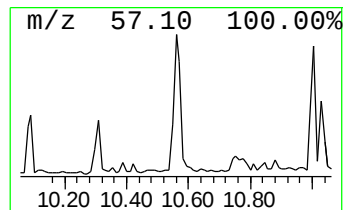
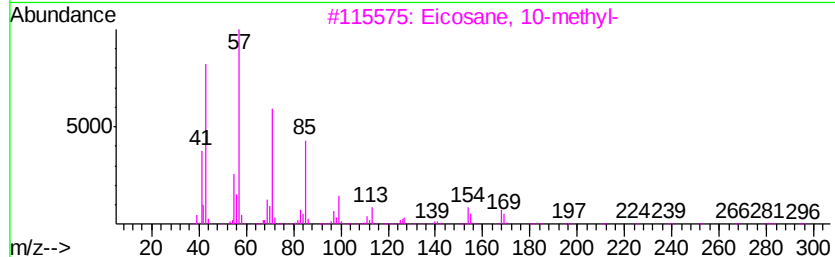
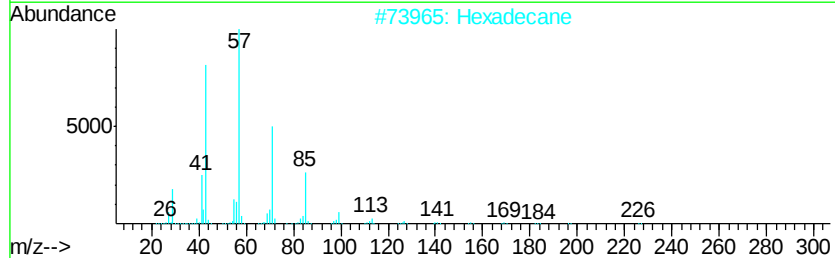
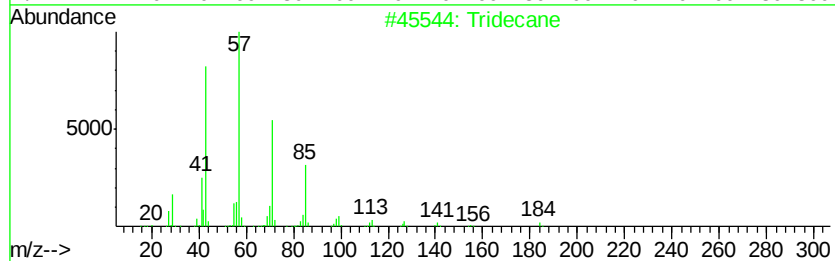
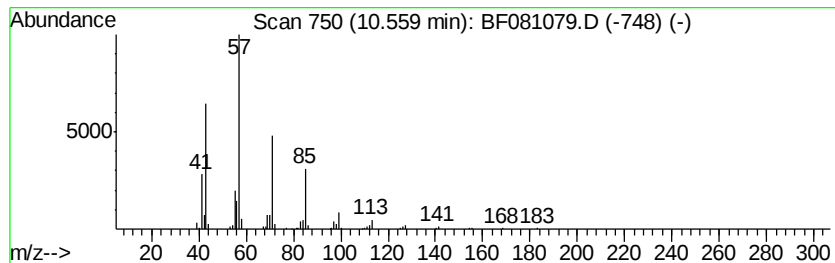
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Tridecane Concentration Rank 6

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 10.56 | 11.25 ng | 373053 | Phenanthrene-d10 | 11.11 |

| Hit# of | 5                    | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|----------------------|--------------|-----|---------|-------------|------|
| 1       | Tridecane            |              | 184 | C13H28  | 000629-50-5 | 90   |
| 2       | Hexadecane           |              | 226 | C16H34  | 000544-76-3 | 90   |
| 3       | Eicosane, 10-methyl- |              | 296 | C21H44  | 054833-23-7 | 86   |
| 4       | Tetracosane          |              | 338 | C24H50  | 000646-31-1 | 86   |
| 5       | Heneicosane          |              | 296 | C21H44  | 000629-94-7 | 78   |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

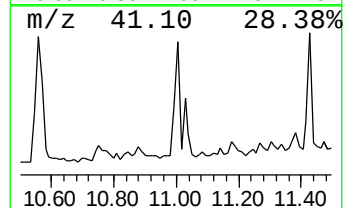
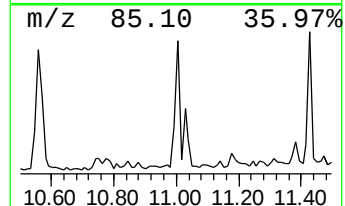
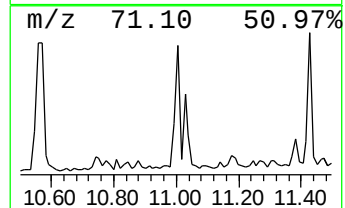
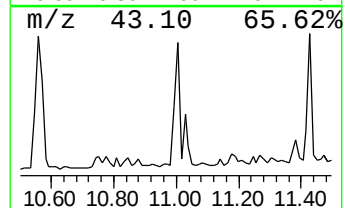
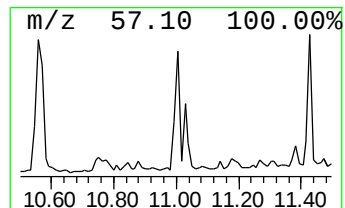
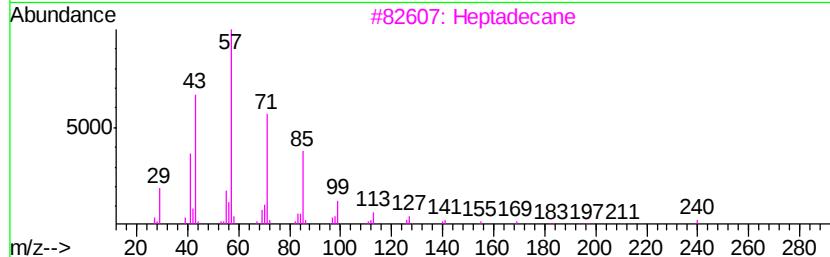
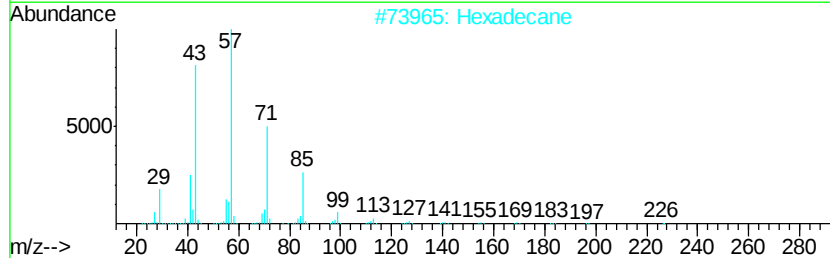
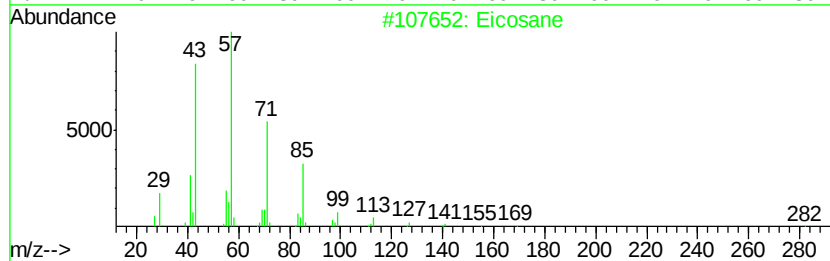
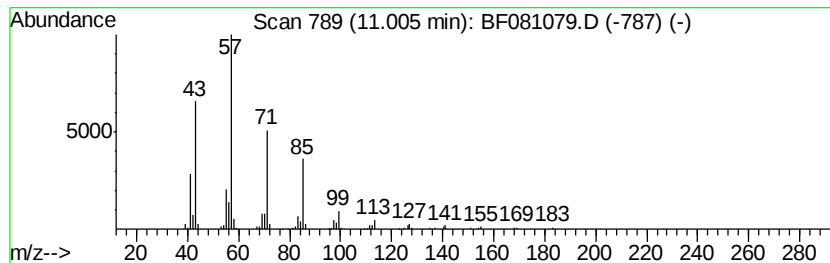
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Eicosane Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.00 | 6.75 ng | 223926 | Phenanthrene-d10 | 11.11 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane     | 282 | C20H42  | 000112-95-8 | 91   |
| 2    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 90   |
| 3    |    | Heptadecane  | 240 | C17H36  | 000629-78-7 | 90   |
| 4    |    | Tetracosane  | 338 | C24H50  | 000646-31-1 | 90   |
| 5    |    | Heptacosane  | 380 | C27H56  | 000593-49-7 | 86   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF081815\  
Data File : BF081079.D  
Acq On : 19 Aug 2015 11:41  
Operator : UM/IZ  
Sample : G3282-13  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

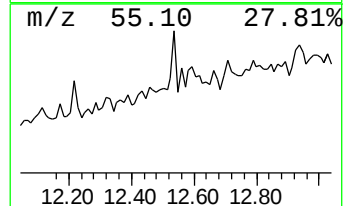
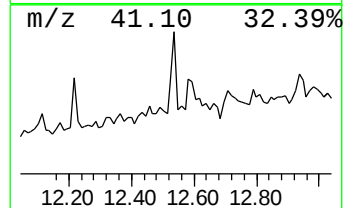
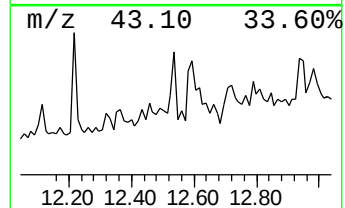
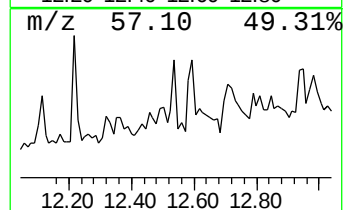
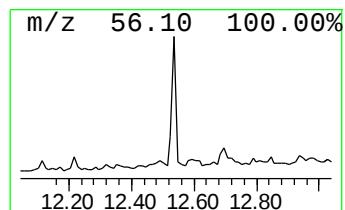
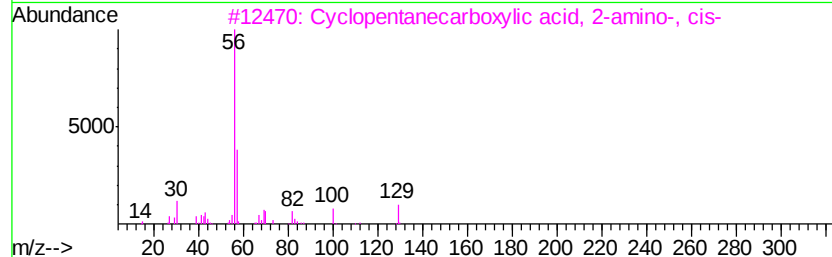
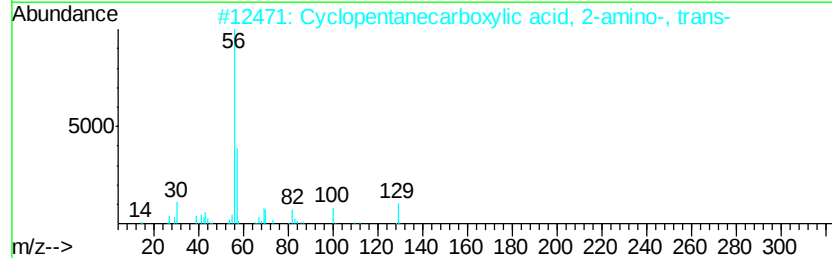
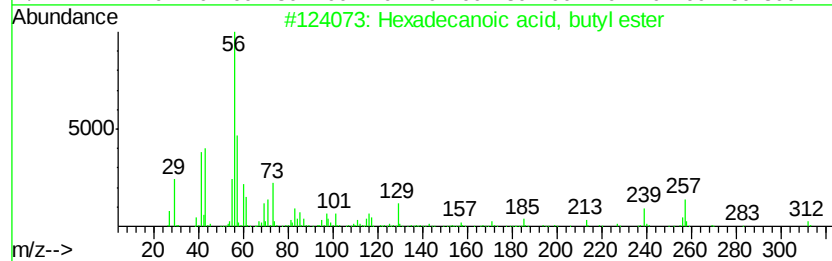
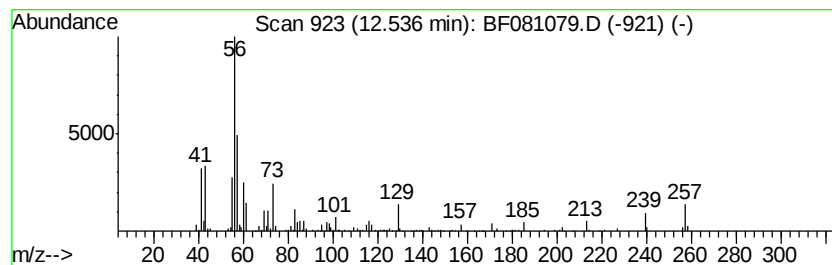
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ClientSampleId :  
SB05-1.0-2.0-081215

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.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 9 Hexadecanoic acid, butyl ester Concentration Rank 10

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 12.54     | 6.54 ng                             | 181841 | Chrysene-d12     | 13.73       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Hexadecanoic acid, butyl ester      | 312    | C20H40O2         | 000111-06-8 | 87   |
| 2         | Cyclopentanecarboxylic acid, 2-a... | 129    | C6H11NO2         | 040482-05-1 | 43   |
| 3         | Cyclopentanecarboxylic acid, 2-a... | 129    | C6H11NO2         | 037910-65-9 | 43   |
| 4         | Hexadecanoic acid, 1,1-dimethyle... | 312    | C20H40O2         | 031158-91-5 | 38   |
| 5         | 1-Hexene, 3,4-dimethyl-             | 112    | C8H16            | 016745-94-1 | 35   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF081815\  
Data File : BF081079.D  
Acq On : 19 Aug 2015 11:41  
Operator : UM/IZ  
Sample : G3282-13  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

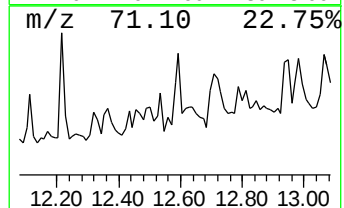
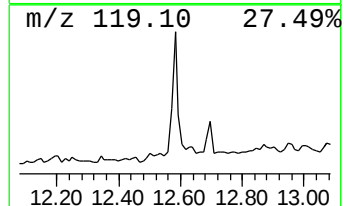
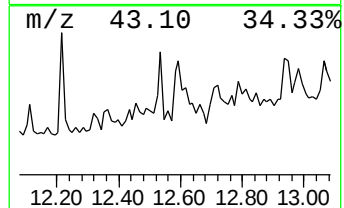
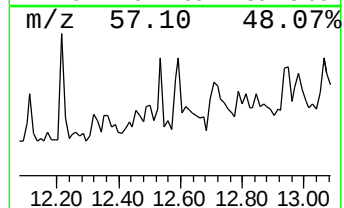
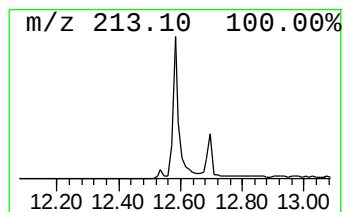
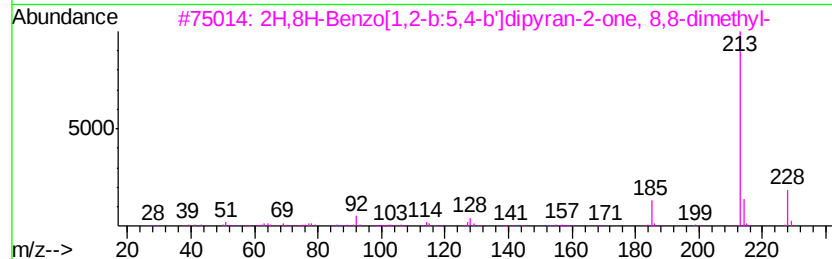
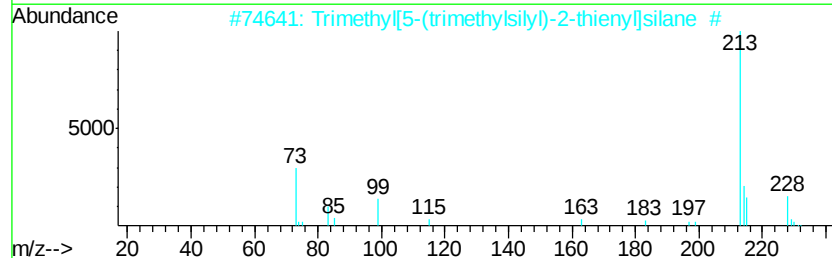
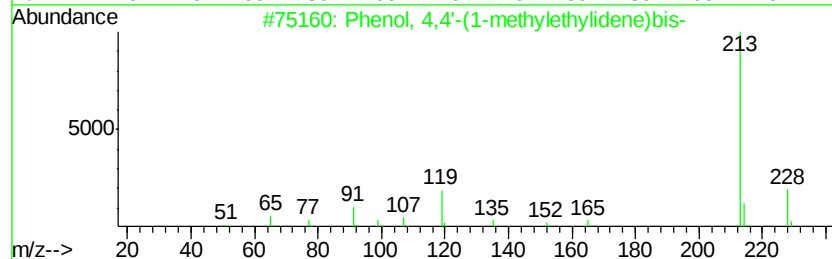
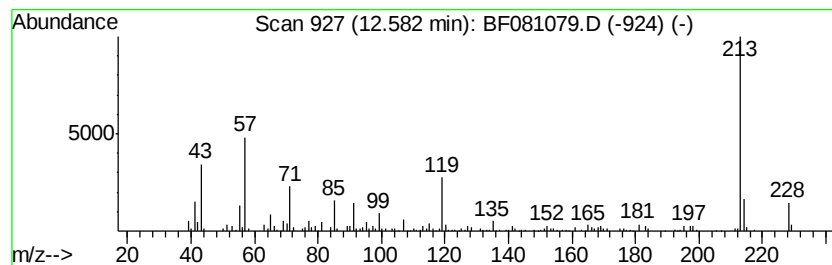
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SB05-1.0-2.0-081215

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 10 Phenol, 4,4'-(1-methylethyl... Concentration Rank 5

| R.T.      | EstConc                                               | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------------------------|--------|------------------|--------------|------|
| 12.58     | 15.54 ng                                              | 431886 | Chrysene-d12     | 13.73        |      |
| Hit# of 5 | Tentative ID                                          | MW     | MolForm          | CAS#         | Qual |
| 1         | Phenol, 4,4'-(1-methylethylidene)bis-                 | 228    | C15H16O2         | 000080-05-7  | 92   |
| 2         | Trimethyl[5-(trimethylsilyl)-2-thienyl]silane         | 228    | C10H20SSi2       | 017906-71-7  | 64   |
| 3         | 2H,8H-Benzo[1,2-b:5,4-b']dipyran-2-one, 8,8-dimethyl- | 228    | C14H12O3         | 000553-19-5  | 49   |
| 4         | Carbanilic acid, p-phenyl-                            | 213    | C13H11NO2        | 004474-53-7  | 46   |
| 5         | 4-Bromo-2-(methylamino)tropone                        | 213    | C8H8BrNO         | 1000241-45-0 | 43   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF081815\  
Data File : BF081079.D  
Acq On : 19 Aug 2015 11:41  
Operator : UM/IZ  
Sample : G3282-13  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB05-1.0-2.0-081215

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

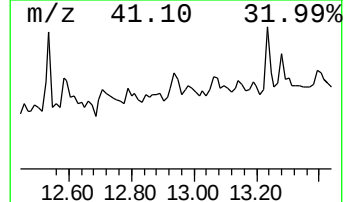
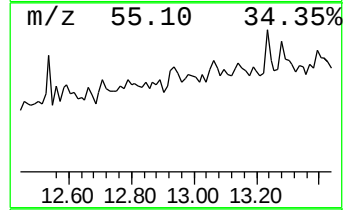
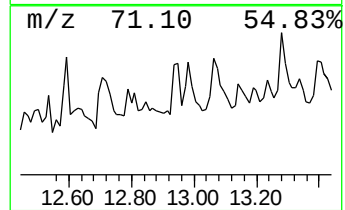
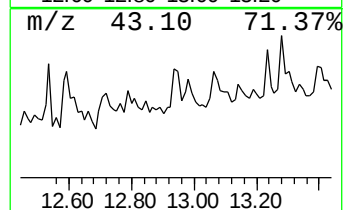
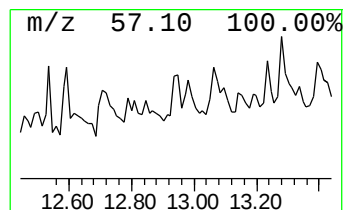
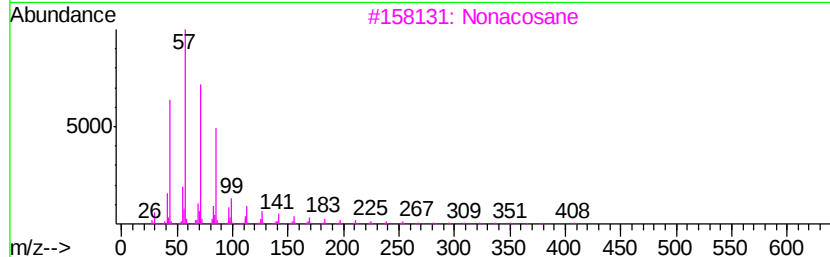
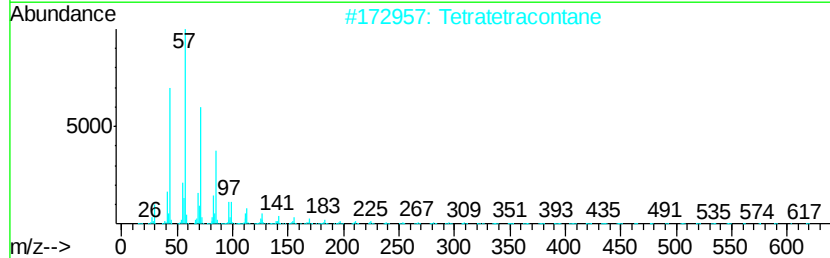
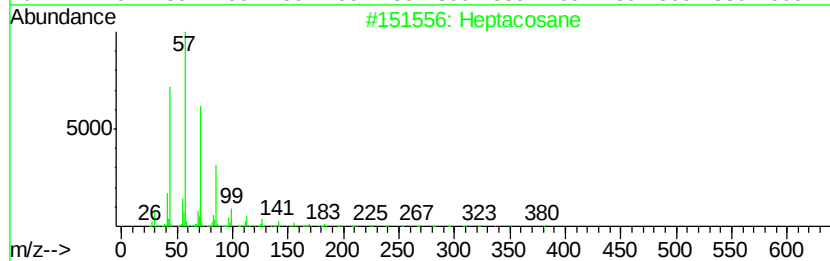
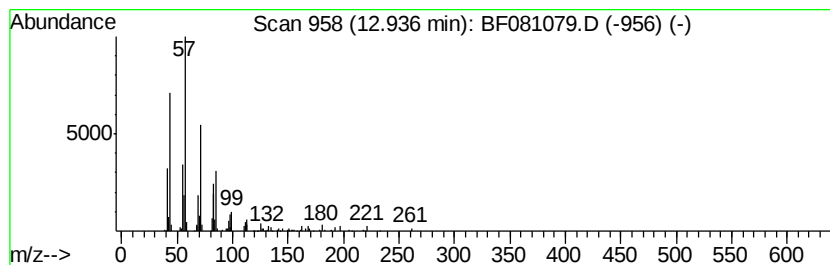
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 Heptacosane Concentration Rank 19

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.94 | 3.99 ng | 110776 | Chrysene-d12     | 13.73 |

| Hit# | of | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------|-----|---------|-------------|------|
| 1    | 5  | Heptacosane       | 380 | C27H56  | 000593-49-7 | 58   |
| 2    |    | Tetratetracontane | 619 | C44H90  | 007098-22-8 | 53   |
| 3    |    | Nonacosane        | 408 | C29H60  | 000630-03-5 | 50   |
| 4    |    | Tetracosane       | 338 | C24H50  | 000646-31-1 | 50   |
| 5    |    | Pentadecane       | 212 | C15H32  | 000629-62-9 | 50   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF081815\  
Data File : BF081079.D  
Acq On : 19 Aug 2015 11:41  
Operator : UM/IZ  
Sample : G3282-13  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB05-1.0-2.0-081215

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

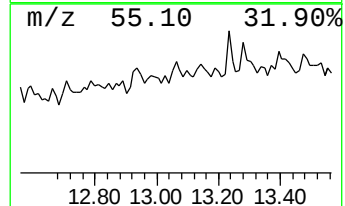
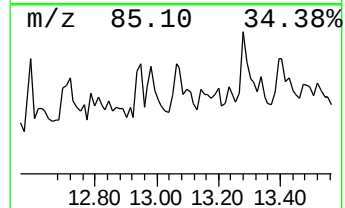
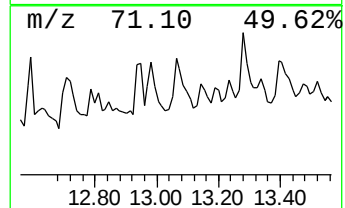
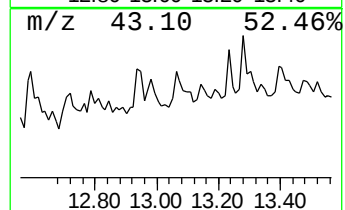
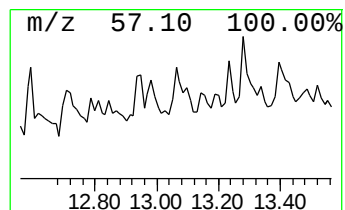
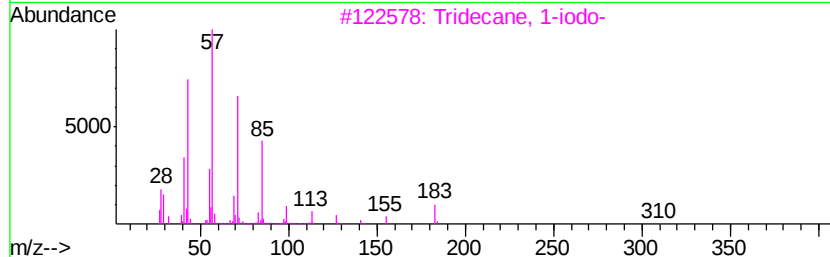
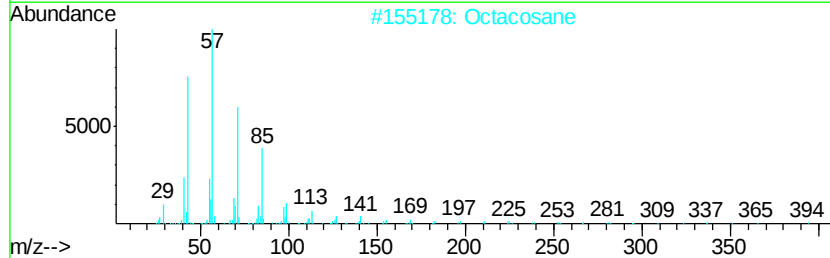
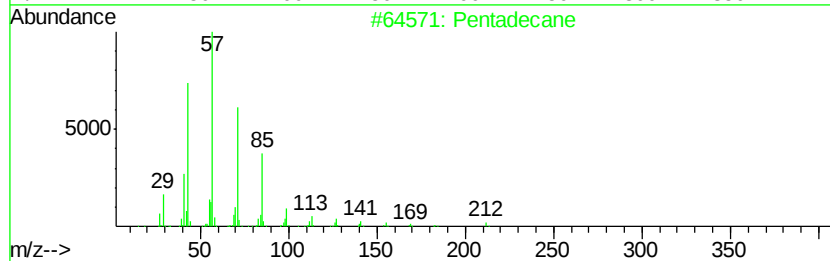
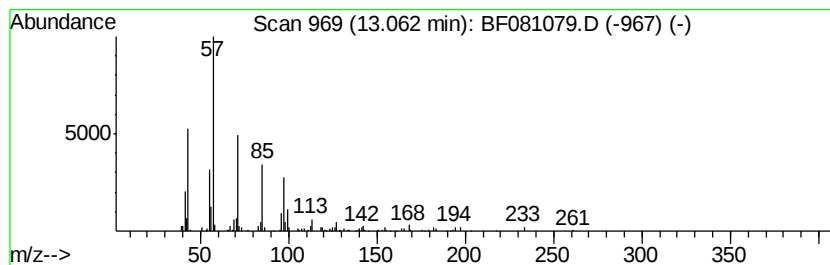
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Pentadecane Concentration Rank 18

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.06 | 4.09 ng | 113590 | Chrysene-d12     | 13.73 |

| Hit# | of | 5 | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------|-----|---------|-------------|------|
| 1    |    |   | Pentadecane        | 212 | C15H32  | 000629-62-9 | 68   |
| 2    |    |   | Octacosane         | 394 | C28H58  | 000630-02-4 | 64   |
| 3    |    |   | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 64   |
| 4    |    |   | Heptadecane        | 240 | C17H36  | 000629-78-7 | 62   |
| 5    |    |   | Decane             | 142 | C10H22  | 000124-18-5 | 62   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF081815\  
Data File : BF081079.D  
Acq On : 19 Aug 2015 11:41  
Operator : UM/IZ  
Sample : G3282-13  
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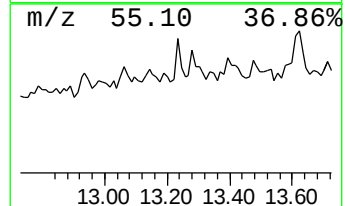
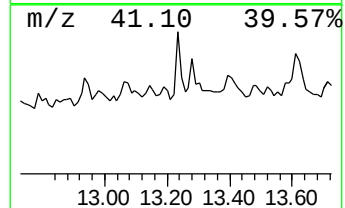
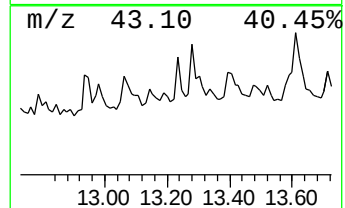
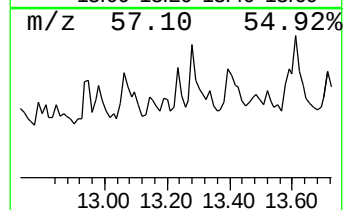
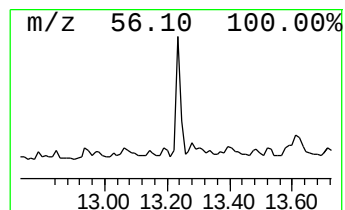
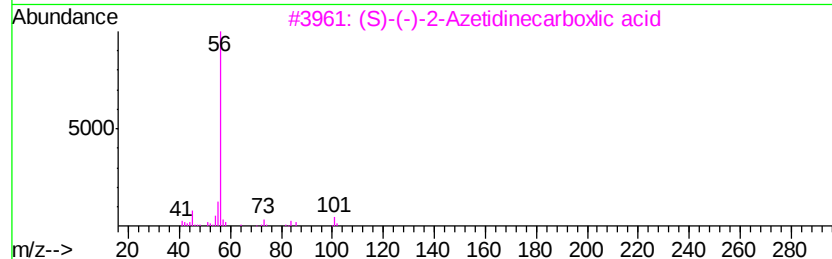
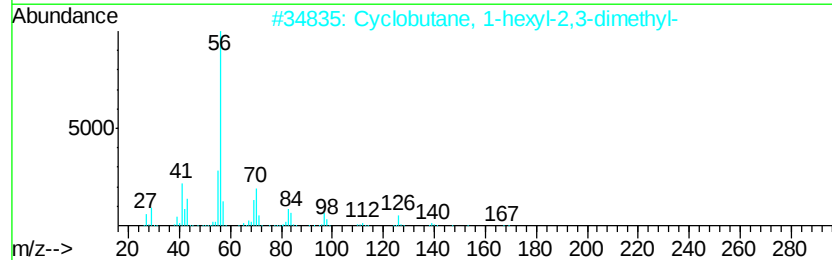
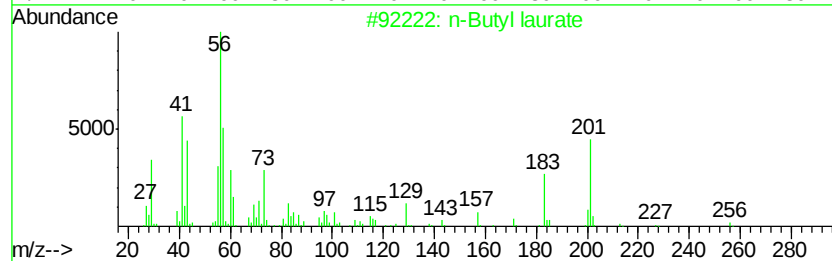
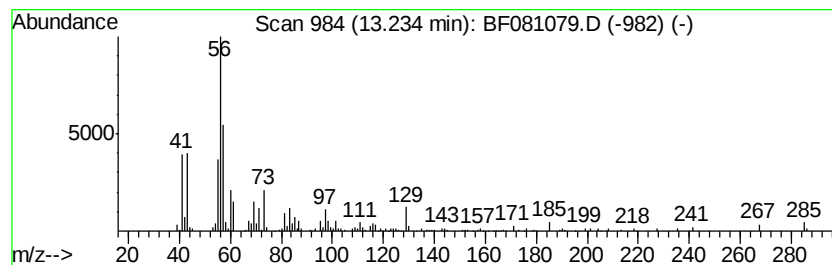
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SB05-1.0-2.0-081215

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.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 n-Butyl laurate Concentration Rank 11

| R.T.      | EstConc                            | Area   | Relative to ISTD | R.T.        |      |
|-----------|------------------------------------|--------|------------------|-------------|------|
| 13.23     | 6.35 ng                            | 176613 | Chrysene-d12     | 13.73       |      |
| Hit# of 5 | Tentative ID                       | MW     | MolForm          | CAS#        | Qual |
| 1         | n-Butyl laurate                    | 256    | C16H32O2         | 000106-18-3 | 86   |
| 2         | Cyclobutane, 1-hexyl-2,3-dimethyl- | 168    | C12H24           | 055170-84-8 | 43   |
| 3         | (S)-(-)-2-Azetidinecarboxylic acid | 101    | C4H7NO2          | 002133-34-8 | 38   |
| 4         | 2,4-Dimethyl-1-hexene              | 112    | C8H16            | 016746-87-5 | 38   |
| 5         | 1-Pentene, 2,4-dimethyl-           | 98     | C7H14            | 002213-32-3 | 38   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF081815\  
Data File : BF081079.D  
Acq On : 19 Aug 2015 11:41  
Operator : UM/IZ  
Sample : G3282-13  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB05-1.0-2.0-081215

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

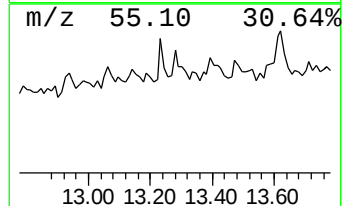
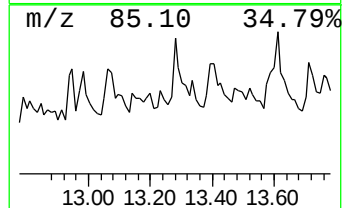
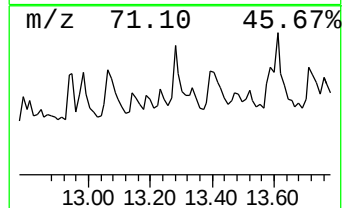
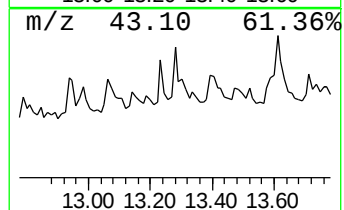
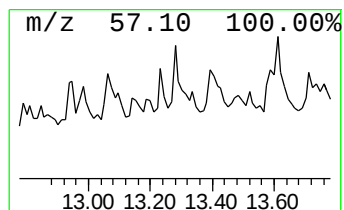
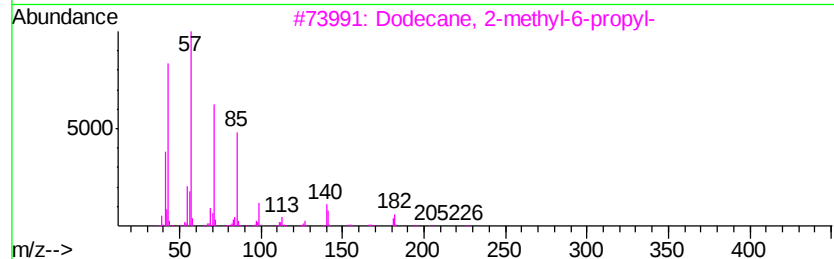
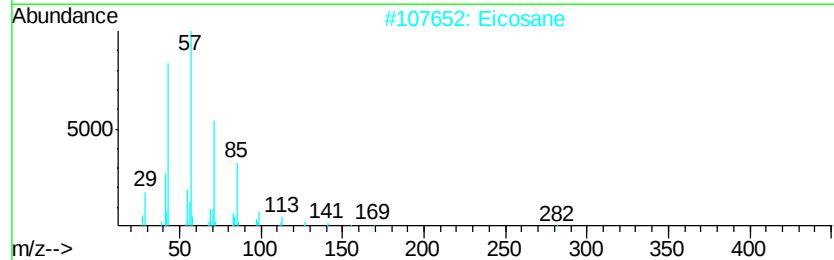
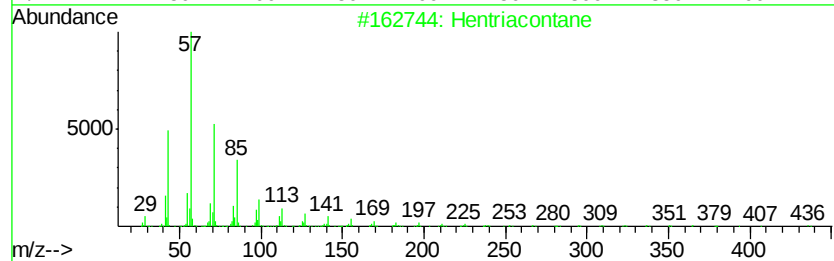
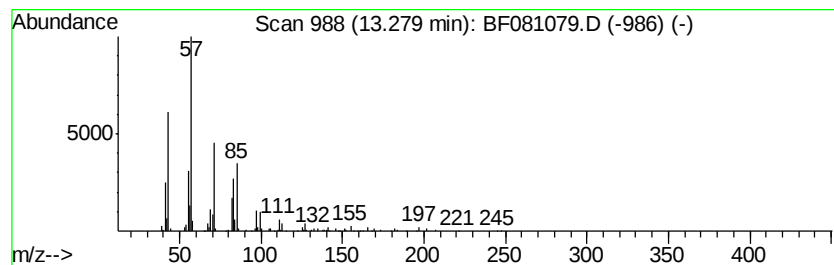
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Hentriacontane Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.28 | 7.01 ng | 194866 | Chrysene-d12     | 13.73 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Hentriacontane               | 437 | C31H64  | 000630-04-6 | 72   |
| 2    |    | Eicosane                     | 282 | C20H42  | 000112-95-8 | 64   |
| 3    |    | Dodecane, 2-methyl-6-propyl- | 226 | C16H34  | 055045-08-4 | 64   |
| 4    |    | Tetradecane                  | 198 | C14H30  | 000629-59-4 | 64   |
| 5    |    | Hexatriacontane              | 507 | C36H74  | 000630-06-8 | 64   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF081815\  
Data File : BF081079.D  
Acq On : 19 Aug 2015 11:41  
Operator : UM/IZ  
Sample : G3282-13  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

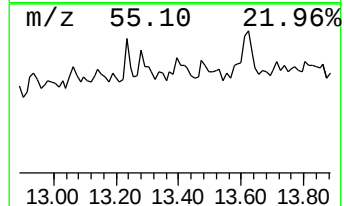
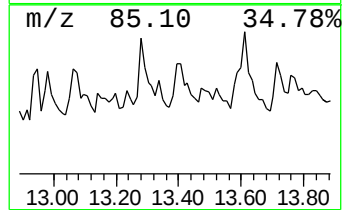
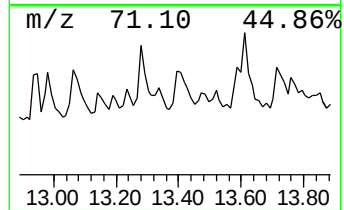
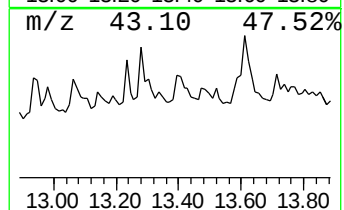
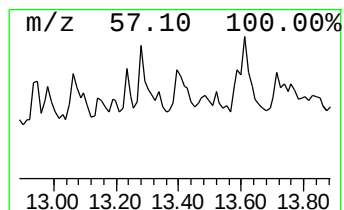
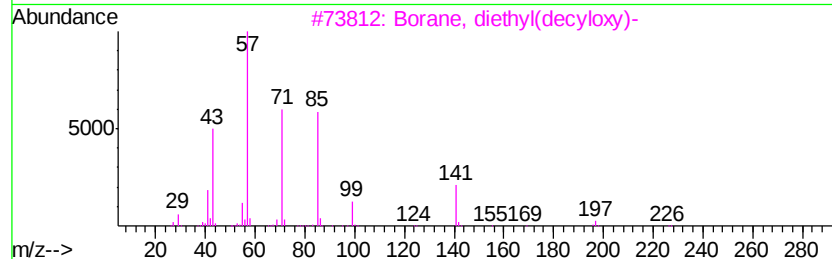
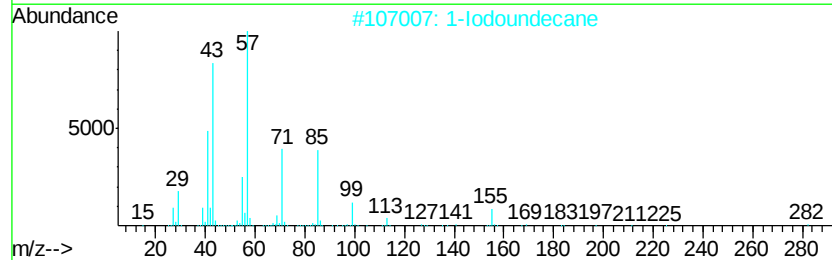
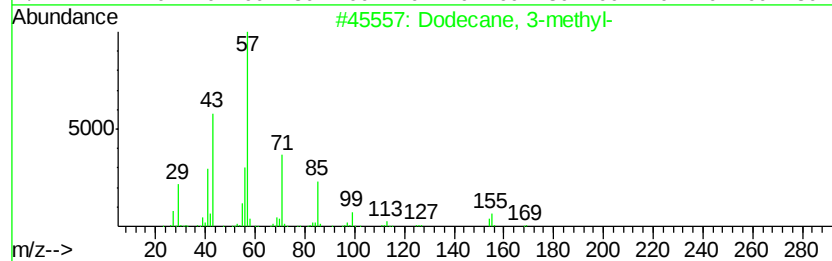
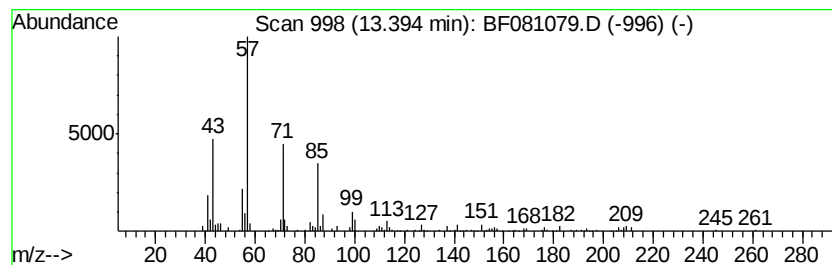
Instrument :  
BNA\_F  
ClientSampleId :  
SB05-1.0-2.0-081215

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.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 15 Dodecane, 3-methyl- Concentration Rank 15

| R.T.      | EstConc                    | Area   | Relative to ISTD | R.T.         |      |
|-----------|----------------------------|--------|------------------|--------------|------|
| 13.39     | 5.07 ng                    | 140820 | Chrysene-d12     | 13.73        |      |
| Hit# of 5 | Tentative ID               | MW     | MolForm          | CAS#         | Qual |
| 1         | Dodecane, 3-methyl-        | 184    | C13H28           | 017312-57-1  | 64   |
| 2         | 1-Iodoundecane             | 282    | C11H23I          | 004282-44-4  | 64   |
| 3         | Borane, diethyl(decyloxy)- | 226    | C14H31BO         | 1000152-34-3 | 64   |
| 4         | Pentadecane, 8-heptyl-     | 310    | C22H46           | 071005-15-7  | 64   |
| 5         | Dodecane, 4,9-dipropyl-    | 254    | C18H38           | 003054-63-5  | 64   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF081815\  
Data File : BF081079.D  
Acq On : 19 Aug 2015 11:41  
Operator : UM/IZ  
Sample : G3282-13  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

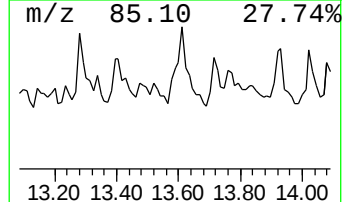
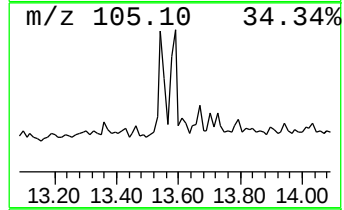
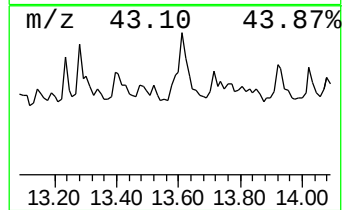
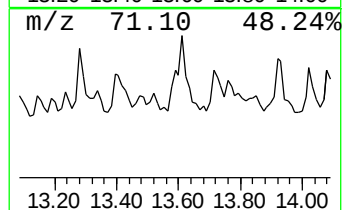
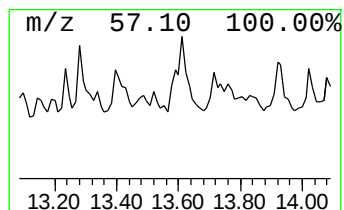
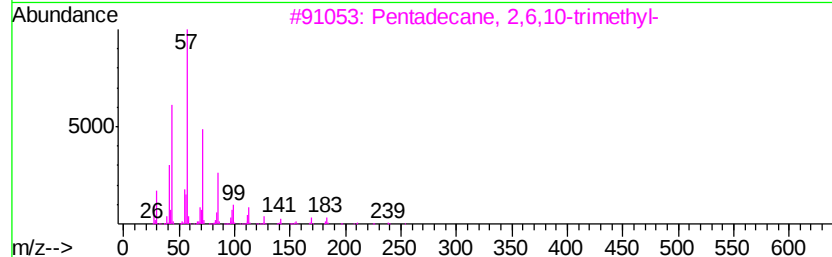
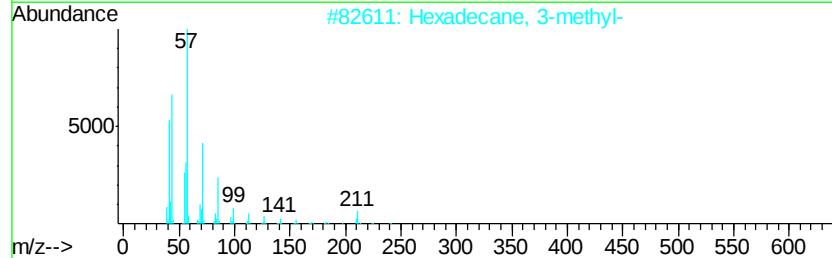
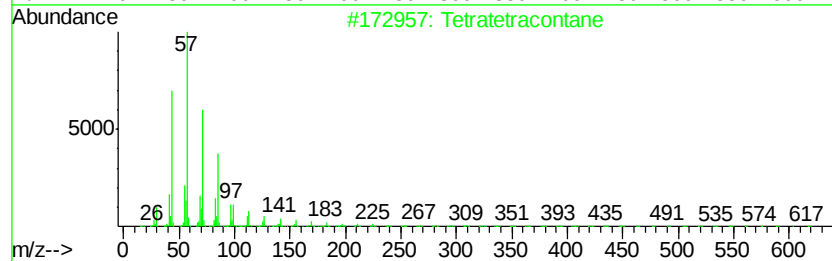
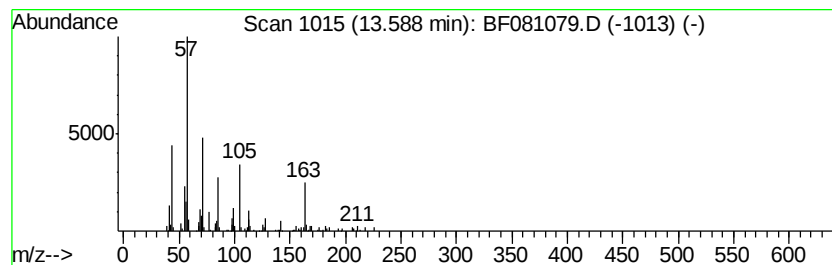
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ClientSampleId :  
SB05-1.0-2.0-081215

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.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 16 Tetratetracontane Concentration Rank 17

| R.T.      | EstConc                        | Area   | Relative to ISTD | R.T.        |      |
|-----------|--------------------------------|--------|------------------|-------------|------|
| 13.59     | 4.30 ng                        | 119428 | Chrysene-d12     | 13.73       |      |
| Hit# of 5 | Tentative ID                   | MW     | MolForm          | CAS#        | Qual |
| 1         | Tetratetracontane              | 619    | C44H90           | 007098-22-8 | 62   |
| 2         | Hexadecane, 3-methyl-          | 240    | C17H36           | 006418-43-5 | 58   |
| 3         | Pentadecane, 2,6,10-trimethyl- | 254    | C18H38           | 003892-00-0 | 58   |
| 4         | Pentadecane, 3-methyl-         | 226    | C16H34           | 002882-96-4 | 58   |
| 5         | Octadecane                     | 254    | C18H38           | 000593-45-3 | 58   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF081815\  
Data File : BF081079.D  
Acq On : 19 Aug 2015 11:41  
Operator : UM/IZ  
Sample : G3282-13  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

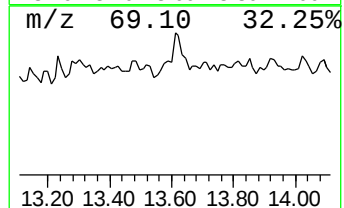
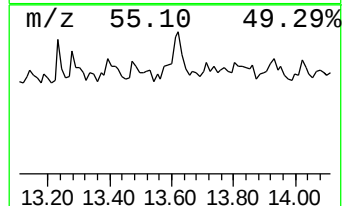
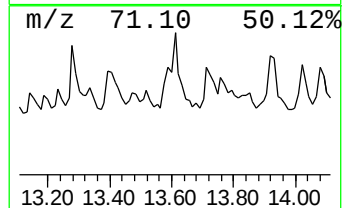
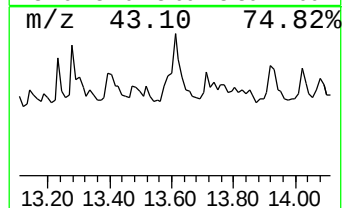
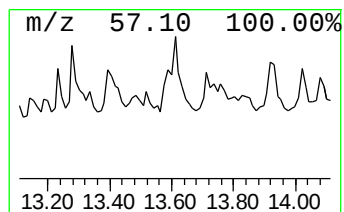
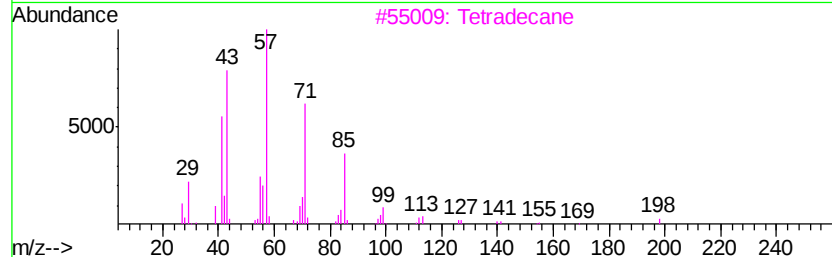
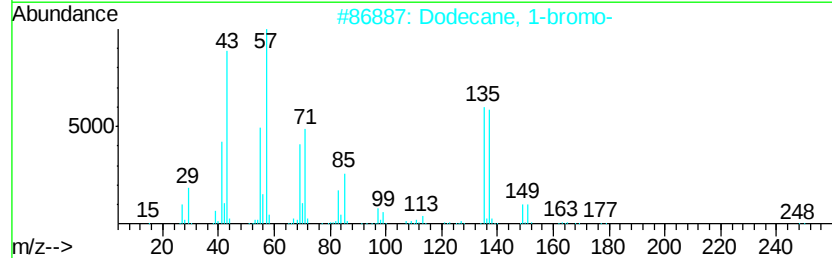
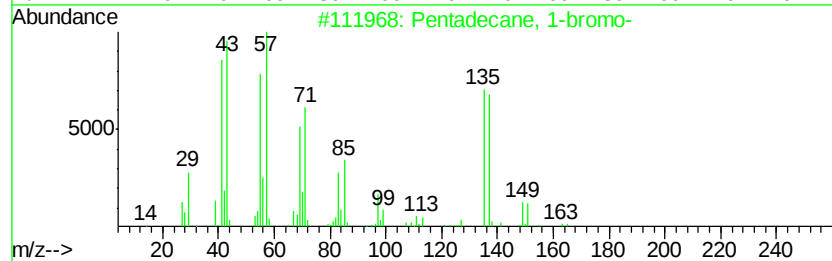
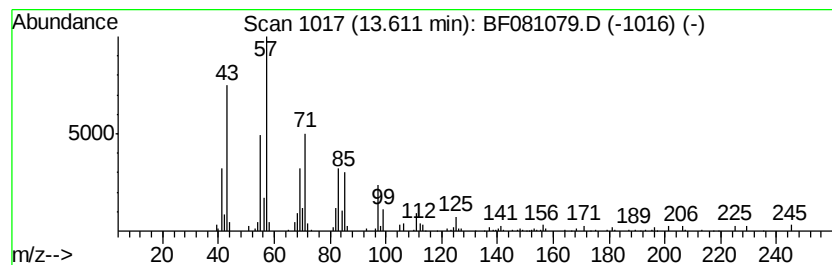
Instrument :  
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ClientSampleId :  
SB05-1.0-2.0-081215

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.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 17 Pentadecane, 1-bromo- Concentration Rank 7

| R.T.      | EstConc               | Area   | Relative to ISTD |             | R.T.  |
|-----------|-----------------------|--------|------------------|-------------|-------|
| 13.61     | 8.67 ng               | 240888 | Chrysene-d12     |             | 13.73 |
| Hit# of 5 | Tentative ID          | MW     | MolForm          | CAS#        | Qual  |
| 1         | Pentadecane, 1-bromo- | 290    | C15H31Br         | 000629-72-1 | 64    |
| 2         | Dodecane, 1-bromo-    | 248    | C12H25Br         | 000143-15-7 | 50    |
| 3         | Tetradecane           | 198    | C14H30           | 000629-59-4 | 50    |
| 4         | Tridecane, 1-bromo-   | 262    | C13H27Br         | 000765-09-3 | 50    |
| 5         | Tridecane             | 184    | C13H28           | 000629-50-5 | 50    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF081815\  
Data File : BF081079.D  
Acq On : 19 Aug 2015 11:41  
Operator : UM/IZ  
Sample : G3282-13  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB05-1.0-2.0-081215

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

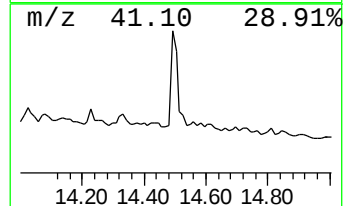
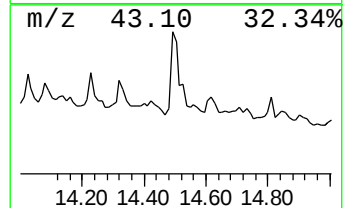
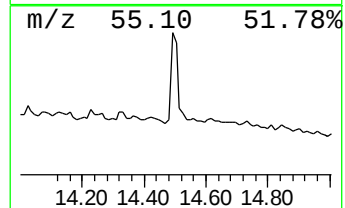
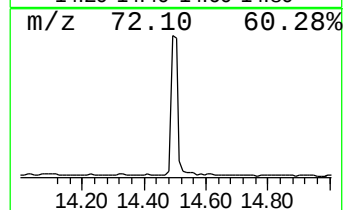
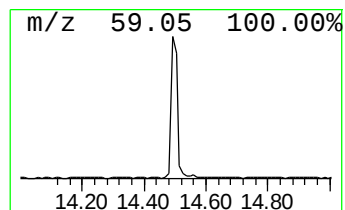
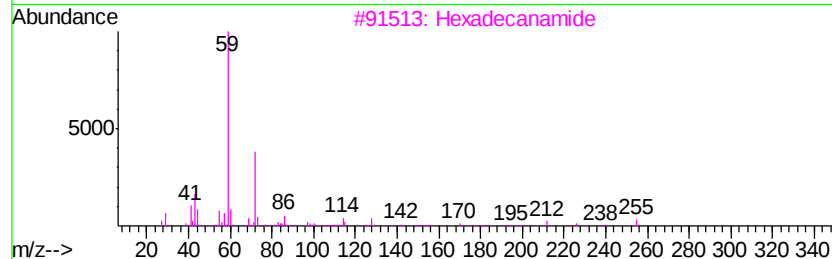
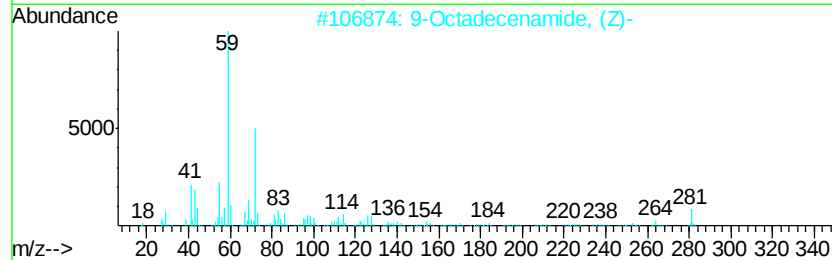
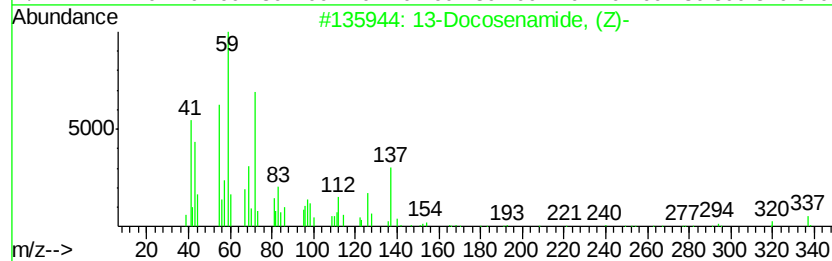
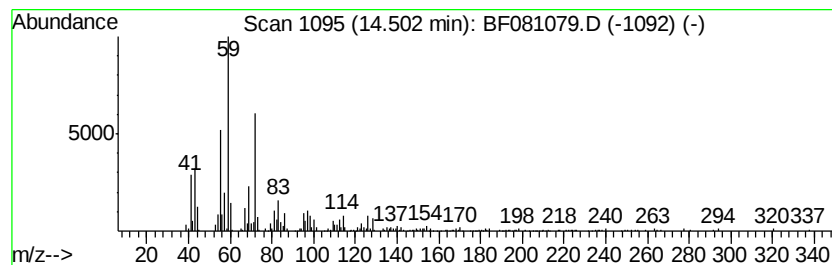
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 13-Docosenamide, (Z)- Concentration Rank 4

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 14.50 | 41.97 ng | 680175 | Perylene-d12     | 15.07 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | 13-Docosenamide, (Z)-               | 337 | C22H43NO   | 000112-84-5 | 87   |
| 2    |    | 9-Octadecenamide, (Z)-              | 281 | C18H35NO   | 000301-02-0 | 87   |
| 3    |    | Hexadecanamide                      | 255 | C16H33NO   | 000629-54-9 | 72   |
| 4    |    | 7-Nonenamide                        | 155 | C9H17NO    | 090949-53-4 | 59   |
| 5    |    | Benzeneethanamine, 2-fluoro-.bet... | 229 | C11H16FN03 | 061338-98-5 | 59   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF081815\  
 Data File : BF081079.D  
 Acq On : 19 Aug 2015 11:41  
 Operator : UM/IZ  
 Sample : G3282-13  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB05-1.0-2.0-081215

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Pentanone, 4-hy... | 4.73  | 77.0    | ng    | 1622250  | 1                     | 6.60  | 421149 | 20.0 |
| Hexadecane           | 10.09 | 5.8     | ng    | 182153   | 3                     | 9.63  | 625556 | 20.0 |
| Tridecane            | 10.56 | 11.3    | ng    | 373053   | 4                     | 11.11 | 663417 | 20.0 |
| Eicosane             | 11.00 | 6.8     | ng    | 223926   | 4                     | 11.11 | 663417 | 20.0 |
| Hexadecanoic acid... | 12.54 | 6.5     | ng    | 181841   | 5                     | 13.73 | 555894 | 20.0 |
| Phenol, 4,4'-(1-m... | 12.58 | 15.5    | ng    | 431886   | 5                     | 13.73 | 555894 | 20.0 |
| Heptacosane          | 12.94 | 4.0     | ng    | 110776   | 5                     | 13.73 | 555894 | 20.0 |
| Pentadecane          | 13.06 | 4.1     | ng    | 113590   | 5                     | 13.73 | 555894 | 20.0 |
| n-Butyl laurate      | 13.23 | 6.3     | ng    | 176613   | 5                     | 13.73 | 555894 | 20.0 |
| Hentriacontane       | 13.28 | 7.0     | ng    | 194866   | 5                     | 13.73 | 555894 | 20.0 |
| Dodecane, 3-methyl-  | 13.39 | 5.1     | ng    | 140820   | 5                     | 13.73 | 555894 | 20.0 |
| Tetratetracontane    | 13.59 | 4.3     | ng    | 119428   | 5                     | 13.73 | 555894 | 20.0 |
| Pentadecane, 1-br... | 13.61 | 8.7     | ng    | 240888   | 5                     | 13.73 | 555894 | 20.0 |
| 13-Docosenamide, ... | 14.50 | 42.0    | ng    | 680175   | 6                     | 15.07 | 324156 | 20.0 |