

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050416\  
 Data File : BF086691.D  
 Acq On : 4 May 2016 22:05  
 Operator : UM/SJ  
 Sample : H2715-07  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 26WARD-3-CS-9(0-12FTBGS)

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-BF050416.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         | 4.921       | 245           | 248         | 254          | rBV      | 91229          | 164149        | 3.06%           | 0.295%        |
| 2         | 5.333       | 281           | 284         | 287          | rBV      | 4651376        | 4906385       | 91.53%          | 8.809%        |
| 3         | 6.384       | 373           | 376         | 379          | rBV      | 4292740        | 4944494       | 92.24%          | 8.878%        |
| 4         | 6.510       | 384           | 387         | 389          | rBV      | 5231329        | 5360420       | 100.00%         | 9.625%        |
| 5         | 6.739       | 404           | 407         | 409          | rBV      | 1144578        | 1036939       | 19.34%          | 1.862%        |
| 6         | 6.899       | 418           | 421         | 423          | rBV      | 3713118        | 4135711       | 77.15%          | 7.426%        |
| 7         | 7.310       | 454           | 457         | 459          | rBV      | 3217554        | 3646865       | 68.03%          | 6.548%        |
| 8         | 8.019       | 517           | 519         | 525          | rBV2     | 889125         | 1421687       | 26.52%          | 2.553%        |
| 9         | 8.739       | 579           | 582         | 584          | rBV      | 76451          | 74944         | 1.40%           | 0.135%        |
| 10        | 8.830       | 588           | 590         | 592          | rBV      | 53519          | 66951         | 1.25%           | 0.120%        |
| 11        | 9.105       | 611           | 614         | 616          | rBV      | 4934314        | 4661542       | 86.96%          | 8.370%        |
| 12        | 9.196       | 619           | 622         | 626          | rVB2     | 48389          | 103445        | 1.93%           | 0.186%        |
| 13        | 9.367       | 634           | 637         | 639          | rBV2     | 33647          | 58453         | 1.09%           | 0.105%        |
| 14        | 9.436       | 641           | 643         | 644          | rBV      | 69458          | 67913         | 1.27%           | 0.122%        |
| 15        | 9.493       | 647           | 648         | 651          | rVV      | 299988         | 361408        | 6.74%           | 0.649%        |
| 16        | 9.630       | 658           | 660         | 663          | rBV      | 66044          | 84850         | 1.58%           | 0.152%        |
| 17        | 9.722       | 666           | 668         | 670          | rBV      | 133447         | 125242        | 2.34%           | 0.225%        |
| 18        | 9.779       | 670           | 673         | 674          | rBV      | 1122553        | 1223683       | 22.83%          | 2.197%        |
| 19        | 9.802       | 674           | 675         | 681          | rVB2     | 90592          | 131993        | 2.46%           | 0.237%        |
| 20        | 9.985       | 689           | 691         | 692          | rBV      | 70637          | 98835         | 1.84%           | 0.177%        |
| 21        | 10.213      | 709           | 711         | 713          | rVB      | 185750         | 196304        | 3.66%           | 0.352%        |
| 22        | 10.316      | 719           | 720         | 724          | rVB      | 125145         | 147741        | 2.76%           | 0.265%        |
| 23        | 10.430      | 727           | 730         | 733          | rBV2     | 71403          | 133569        | 2.49%           | 0.240%        |
| 24        | 10.488      | 733           | 735         | 736          | rVB2     | 39697          | 54199         | 1.01%           | 0.097%        |
| 25        | 10.568      | 739           | 742         | 744          | rBV      | 2212314        | 2635584       | 49.17%          | 4.732%        |
| 26        | 10.693      | 751           | 753         | 757          | rVB      | 219536         | 318303        | 5.94%           | 0.572%        |
| 27        | 10.876      | 766           | 769         | 774          | rBV5     | 33413          | 121044        | 2.26%           | 0.217%        |
| 28        | 11.059      | 783           | 785         | 788          | rVB      | 58135          | 67481         | 1.26%           | 0.121%        |
| 29        | 11.139      | 788           | 792         | 797          | rVB2     | 145031         | 303592        | 5.66%           | 0.545%        |
| 30        | 11.276      | 800           | 804         | 806          | rBV2     | 1233236        | 2261805       | 42.19%          | 4.061%        |
| 31        | 11.333      | 806           | 809         | 811          | rVB      | 154245         | 191667        | 3.58%           | 0.344%        |
| 32        | 11.493      | 820           | 823         | 827          | rBV2     | 79398          | 155582        | 2.90%           | 0.279%        |
| 33        | 11.562      | 827           | 829         | 830          | rBV      | 72467          | 75944         | 1.42%           | 0.136%        |
| 34        | 11.756      | 844           | 846         | 847          | rBV      | 170094         | 158897        | 2.96%           | 0.285%        |

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Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
26WARD-3-CS-9(0-12FTBGS)

Integration Parameters: rteint.p  
Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050416.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 11.791 | 847  | 849  | 851  | rVV2 | 236345  | 409016  | 7.63%  | 0.734% |
| 36 | 11.825 | 851  | 852  | 854  | rVV2 | 51649   | 74088   | 1.38%  | 0.133% |
| 37 | 11.871 | 854  | 856  | 860  | rVB2 | 213799  | 375848  | 7.01%  | 0.675% |
| 38 | 11.962 | 860  | 864  | 868  | rBV3 | 46345   | 114519  | 2.14%  | 0.206% |
| 39 | 12.076 | 870  | 874  | 877  | rVV2 | 163068  | 259836  | 4.85%  | 0.467% |
| 40 | 12.305 | 892  | 894  | 896  | rBV  | 107511  | 142138  | 2.65%  | 0.255% |
| 41 | 12.362 | 896  | 899  | 900  | rVB2 | 63167   | 121967  | 2.28%  | 0.219% |
| 42 | 12.385 | 900  | 901  | 904  | rBV2 | 62068   | 96827   | 1.81%  | 0.174% |
| 43 | 12.465 | 906  | 908  | 911  | rBV  | 1571764 | 1422560 | 26.54% | 2.554% |
| 44 | 12.614 | 919  | 921  | 925  | rVB2 | 48840   | 75570   | 1.41%  | 0.136% |
| 45 | 12.694 | 925  | 928  | 930  | rBV  | 1346035 | 1474259 | 27.50% | 2.647% |
| 46 | 12.728 | 930  | 931  | 935  | rVB3 | 76380   | 127787  | 2.38%  | 0.229% |
| 47 | 12.808 | 937  | 938  | 939  | rBV  | 45612   | 59644   | 1.11%  | 0.107% |
| 48 | 12.842 | 939  | 941  | 944  | rVV  | 3216134 | 3209066 | 59.87% | 5.762% |
| 49 | 12.911 | 944  | 947  | 951  | rVB3 | 72804   | 109802  | 2.05%  | 0.197% |
| 50 | 13.025 | 953  | 957  | 959  | rVB  | 131068  | 218659  | 4.08%  | 0.393% |
| 51 | 13.082 | 960  | 962  | 964  | rVB  | 139118  | 148329  | 2.77%  | 0.266% |
| 52 | 13.128 | 964  | 966  | 967  | rBV  | 91325   | 126782  | 2.37%  | 0.228% |
| 53 | 13.219 | 972  | 974  | 975  | rVV  | 48604   | 63491   | 1.18%  | 0.114% |
| 54 | 13.425 | 990  | 992  | 993  | rBV  | 82354   | 84011   | 1.57%  | 0.151% |
| 55 | 13.528 | 999  | 1001 | 1003 | rBV  | 53737   | 63540   | 1.19%  | 0.114% |
| 56 | 13.631 | 1008 | 1010 | 1012 | rBV2 | 93313   | 165088  | 3.08%  | 0.296% |
| 57 | 13.745 | 1018 | 1020 | 1024 | rVB3 | 212659  | 303869  | 5.67%  | 0.546% |
| 58 | 13.882 | 1029 | 1032 | 1039 | rBV2 | 984398  | 2248880 | 41.95% | 4.038% |
| 59 | 14.648 | 1096 | 1099 | 1105 | rBV  | 1982560 | 2344028 | 43.73% | 4.209% |
| 60 | 14.728 | 1105 | 1106 | 1109 | rVB2 | 175583  | 219697  | 4.10%  | 0.394% |
| 61 | 14.888 | 1118 | 1120 | 1125 | rBV  | 428205  | 820449  | 15.31% | 1.473% |
| 62 | 15.162 | 1142 | 1144 | 1147 | rVB  | 221257  | 299859  | 5.59%  | 0.538% |
| 63 | 15.220 | 1147 | 1149 | 1152 | rBV  | 291421  | 407212  | 7.60%  | 0.731% |
| 64 | 15.277 | 1152 | 1154 | 1156 | rBV  | 446226  | 609955  | 11.38% | 1.095% |

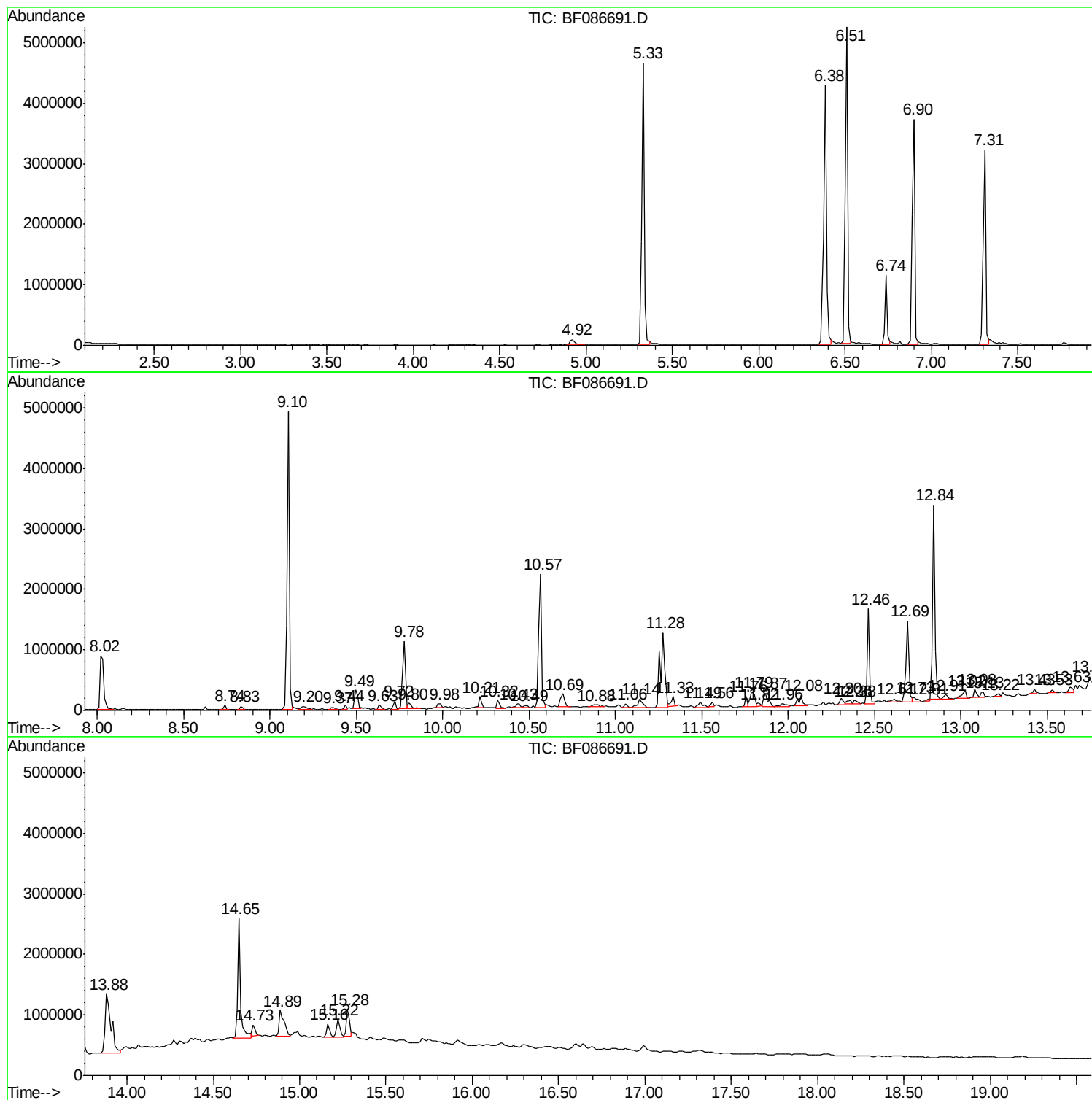
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Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
26WARD-3-CS-9(0-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050416\  
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Misc :  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050416.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

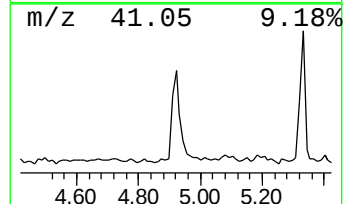
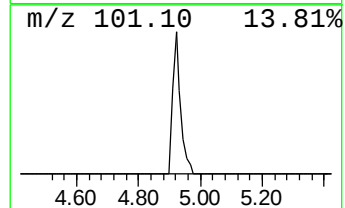
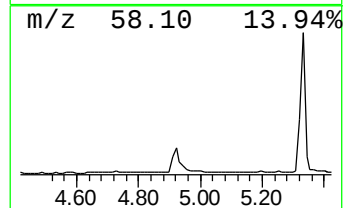
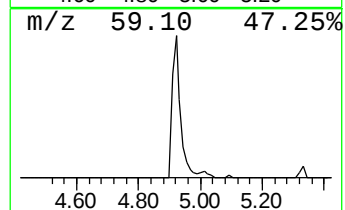
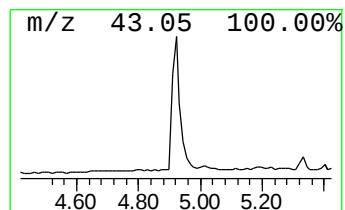
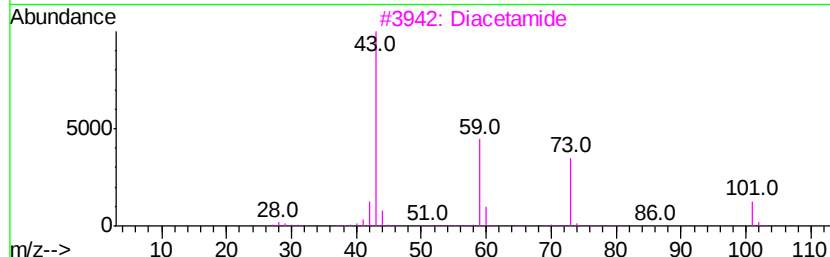
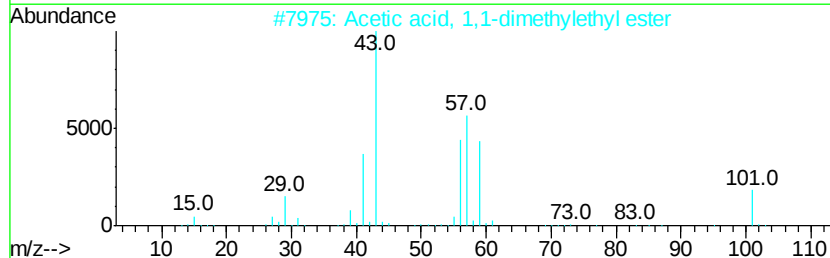
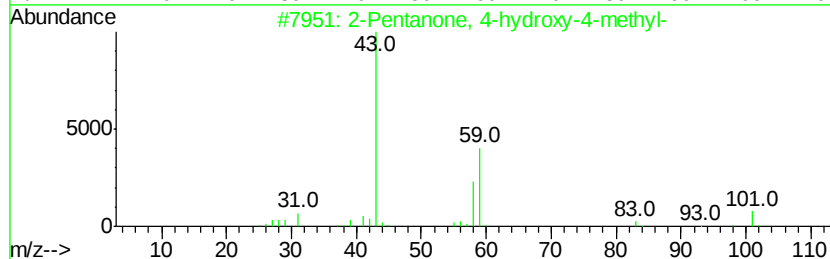
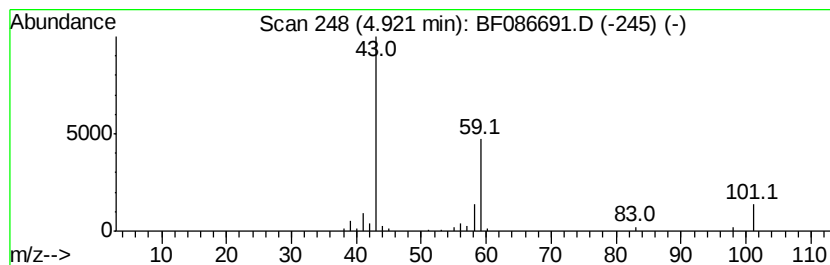
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.92 | 6.33 ng | 164149 | 1,4-Dichlorobenzene-d4 | 6.74 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2      | 000123-42-2 | 56      |      |      |
| 2    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2      | 000540-88-5 | 38      |      |      |
| 3    | Diacetamide                         | 101 | C4H7NO2      | 000625-77-4 | 9       |      |      |
| 4    | 2,3-Butanedione, monooxime          | 101 | C4H7NO2      | 000057-71-6 | 9       |      |      |
| 5    | Ethanone, 1-(2-methylcyclopropyl)-  | 98  | C6H10O       | 000930-56-3 | 9       |      |      |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050416.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

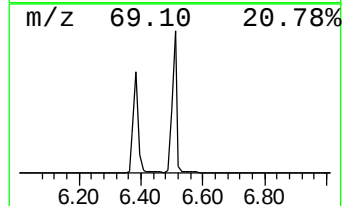
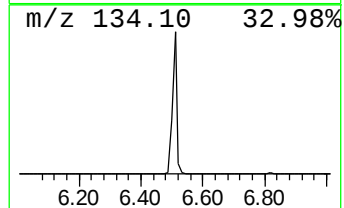
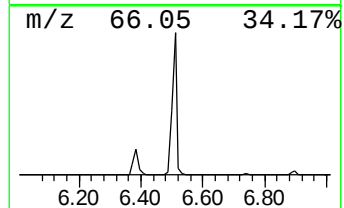
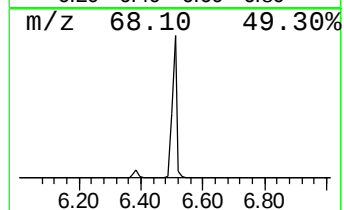
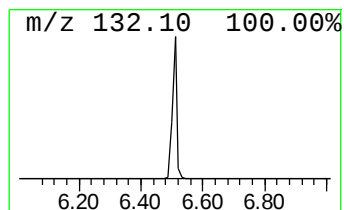
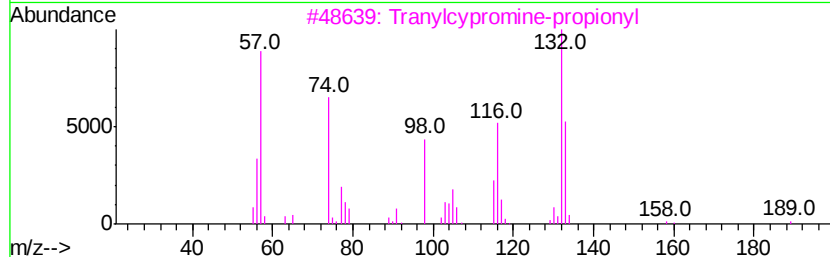
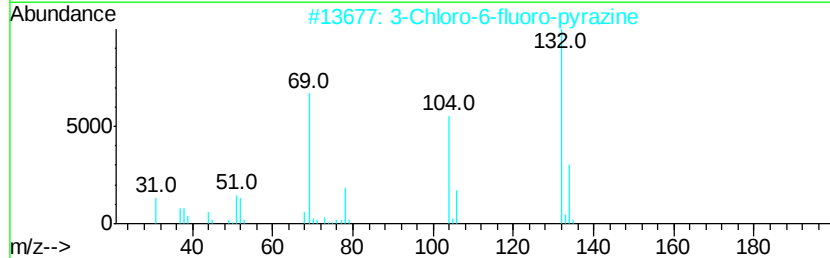
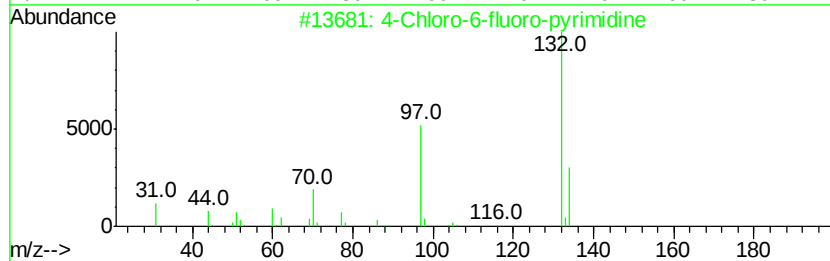
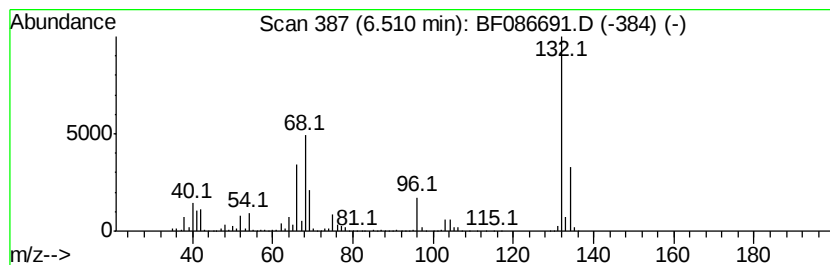
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown6.51 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 6.51 | 206.78 ng | 5360420 | 1,4-Dichlorobenzene-d4 | 6.74 |

| Hit# | of | Tentative ID                 | MW  | MolForm   | CAS#         | Qual |
|------|----|------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 2    |    | 3-Chloro-6-fluoro-pyrazine   | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 3    |    | Tranvlcypropine-propionyl    | 189 | C12H15NO  | 1000123-86-3 | 22   |
| 4    |    | 1H-Benzimidazole, 2-methyl-  | 132 | C8H8N2    | 000615-15-6  | 22   |
| 5    |    | 5-Fluoro-2-chloropyrimidine  | 132 | C4H2ClFN2 | 062802-42-0  | 16   |



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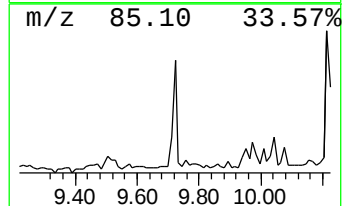
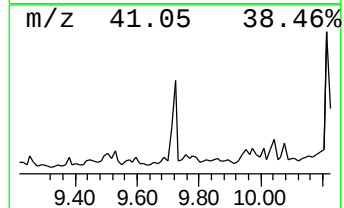
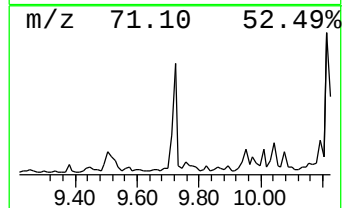
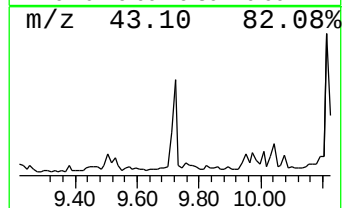
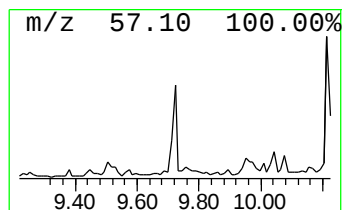
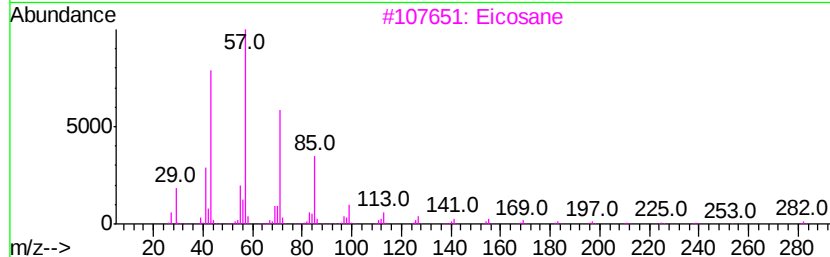
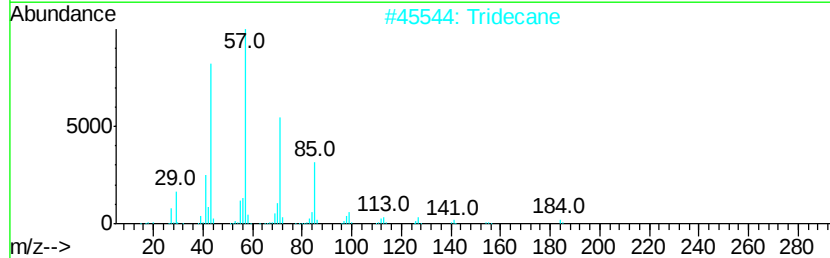
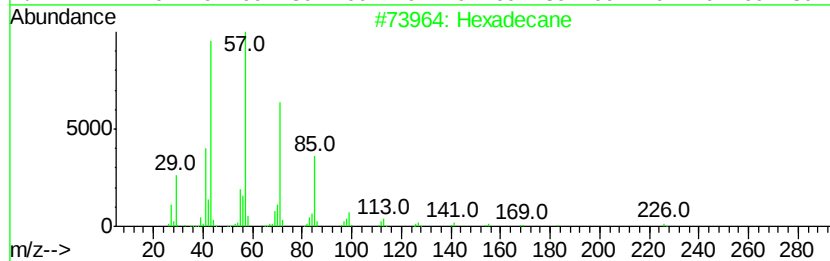
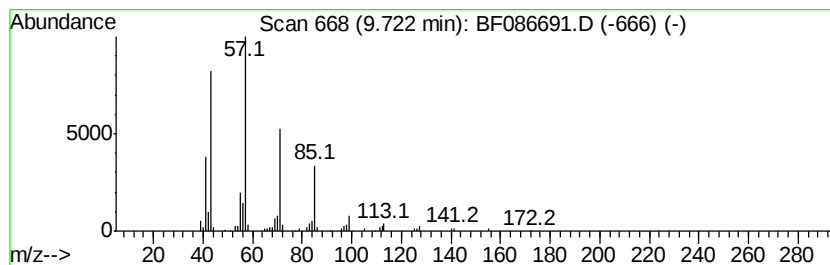
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.72 | 4.09 ng | 125242 | Acenaphthene-d10 | 9.78 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane           | 226 | C16H34  | 000544-76-3 | 91   |
| 2    |    | Tridecane            | 184 | C13H28  | 000629-50-5 | 86   |
| 3    |    | Eicosane             | 282 | C20H42  | 000112-95-8 | 86   |
| 4    |    | Tridecane, 2-methyl- | 198 | C14H30  | 001560-96-9 | 78   |
| 5    |    | Heptadecane          | 240 | C17H36  | 000629-78-7 | 64   |



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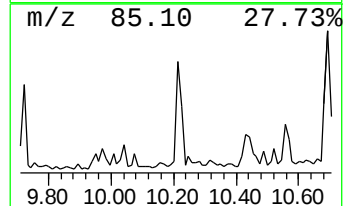
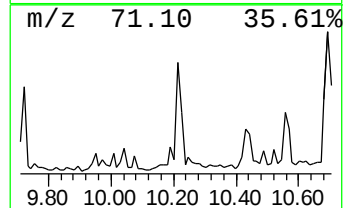
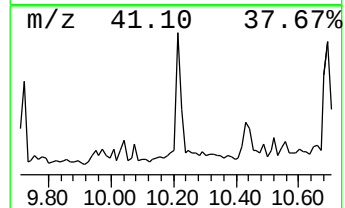
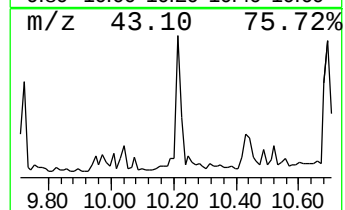
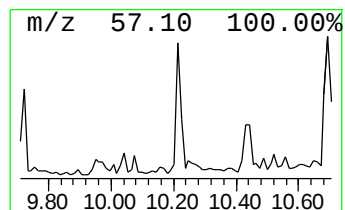
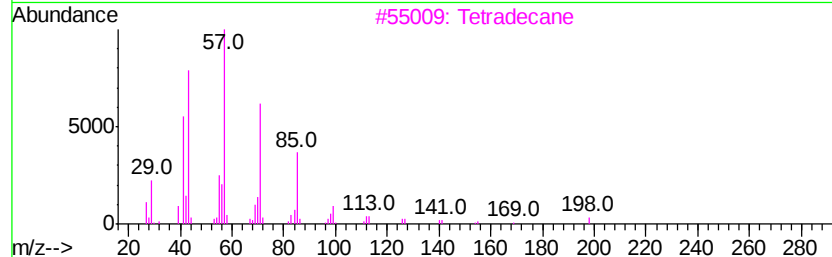
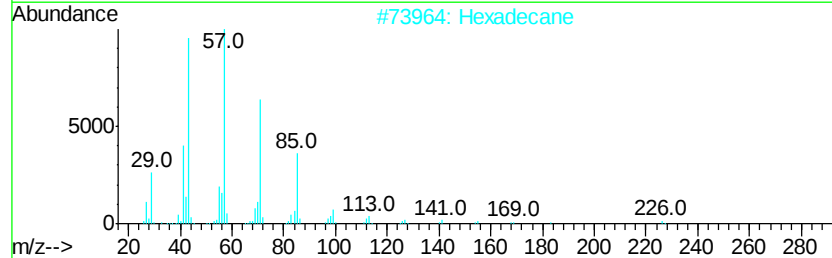
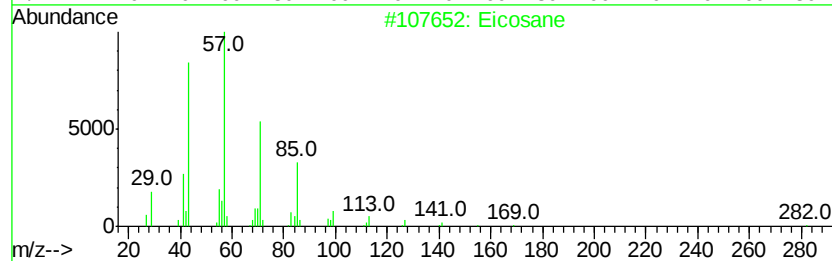
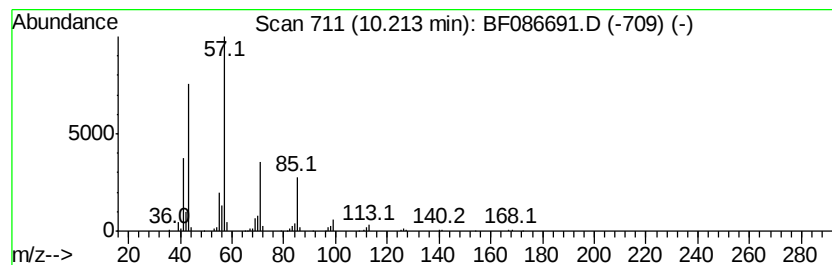
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ClientSampleId :  
26WARD-3-CS-9(0-12FTBGS)

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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 5 Eicosane Concentration Rank 8

| R.T.    | EstConc              | Area         | Relative to ISTD | R.T.           |
|---------|----------------------|--------------|------------------|----------------|
| 10.21   | 6.42 ng              | 196304       | Acenaphthene-d10 | 9.78           |
| Hit# of | 5                    | Tentative ID | MW MolForm       | CAS# Qual      |
| 1       | Eicosane             |              | 282 C20H42       | 000112-95-8 90 |
| 2       | Hexadecane           |              | 226 C16H34       | 000544-76-3 86 |
| 3       | Tetradecane          |              | 198 C14H30       | 000629-59-4 64 |
| 4       | Tetradecane, 1-iodo- |              | 324 C14H29I      | 019218-94-1 64 |
| 5       | Tridecane, 2-methyl- |              | 198 C14H30       | 001560-96-9 64 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050416\  
Data File : BF086691.D  
Acq On : 4 May 2016 22:05  
Operator : UM/SJ  
Sample : H2715-07  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

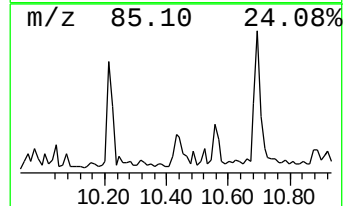
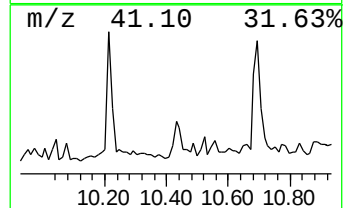
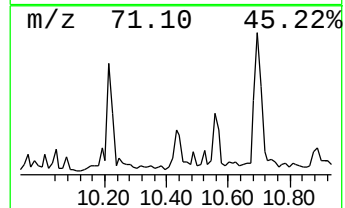
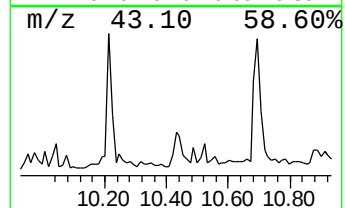
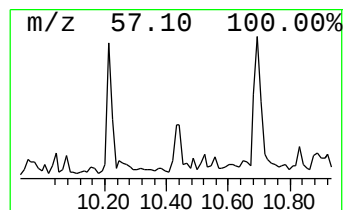
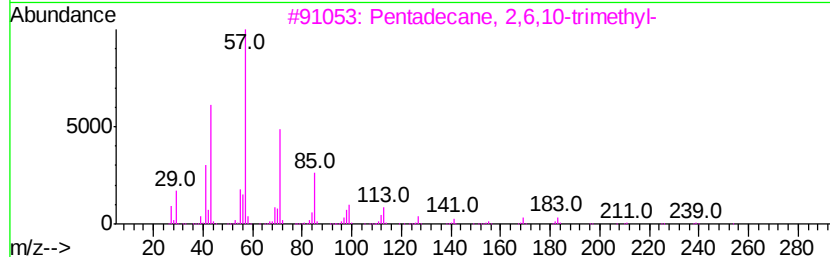
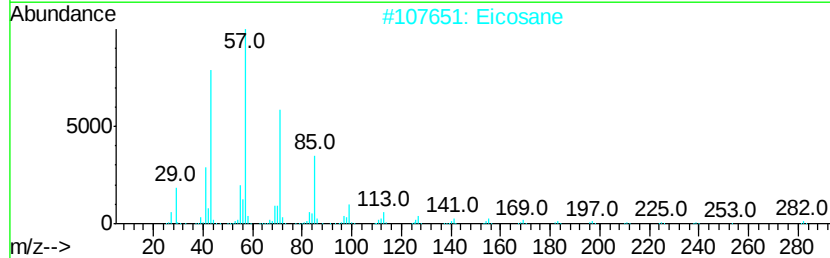
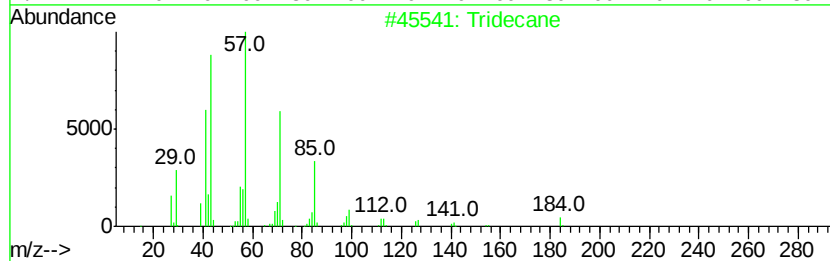
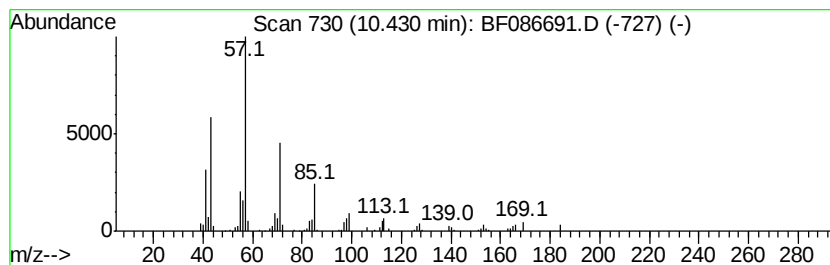
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ClientSampleId :  
26WARD-3-CS-9(0-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.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 6 Tridecane Concentration Rank 14

| R.T.    | EstConc                        | Area            | Relative to ISTD | R.T.      |
|---------|--------------------------------|-----------------|------------------|-----------|
| 10.43   | 4.37 ng                        | 133569          | Acenaphthene-d10 | 9.78      |
| Hit# of | 5                              | Tentative ID    | MW MolForm       | CAS# Qual |
| 1       | Tridecane                      | 184 C13H28      | 000629-50-5      | 87        |
| 2       | Eicosane                       | 282 C20H42      | 000112-95-8      | 80        |
| 3       | Pentadecane, 2,6,10-trimethyl- | 254 C18H38      | 003892-00-0      | 78        |
| 4       | Silane, trichlorooctadecyl-    | 386 C18H37Cl3Si | 000112-04-9      | 72        |
| 5       | Hexacosane                     | 366 C26H54      | 000630-01-3      | 72        |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050416\  
Data File : BF086691.D  
Acq On : 4 May 2016 22:05  
Operator : UM/SJ  
Sample : H2715-07  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
26WARD-3-CS-9(0-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050416.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

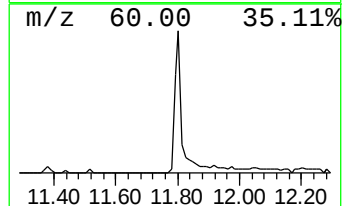
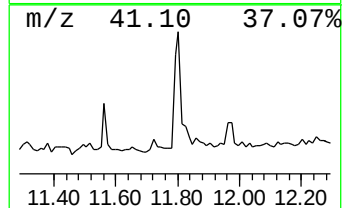
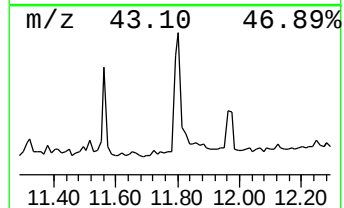
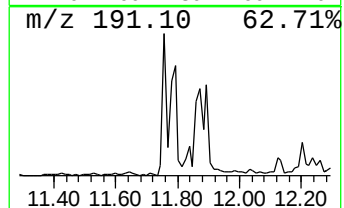
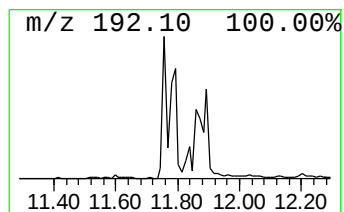
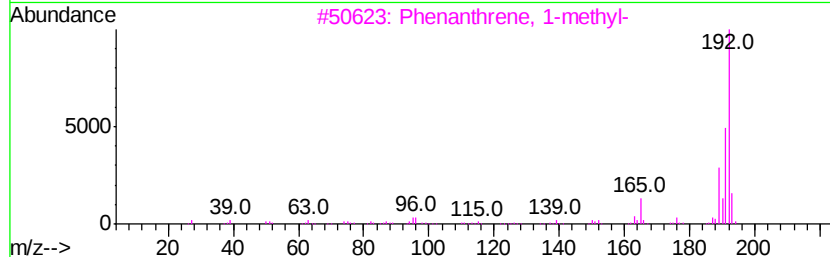
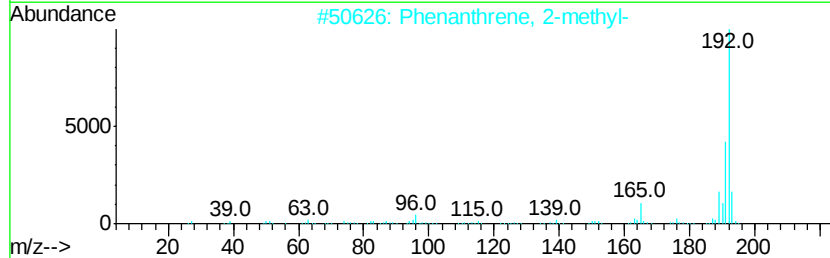
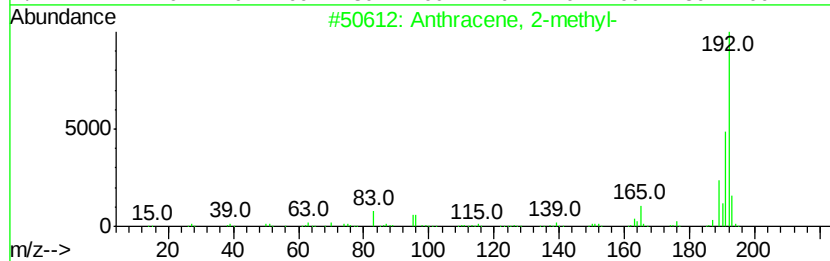
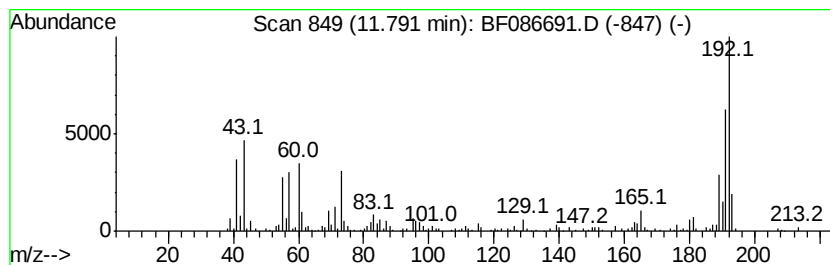
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Anthracene, 2-methyl- Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.79 | 7.23 ng | 409016 | Phenanthrene-d10 | 11.25 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 97   |
| 2    |    | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 97   |
| 3    |    | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 96   |
| 4    |    | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 90   |
| 5    |    | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 83   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050416\  
Data File : BF086691.D  
Acq On : 4 May 2016 22:05  
Operator : UM/SJ  
Sample : H2715-07  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

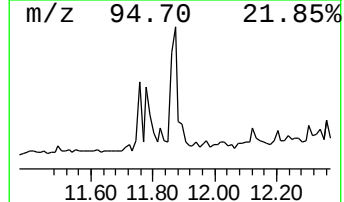
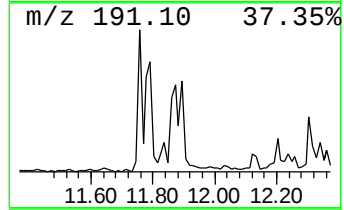
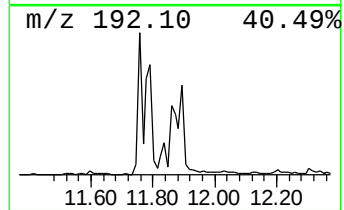
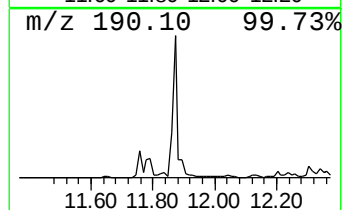
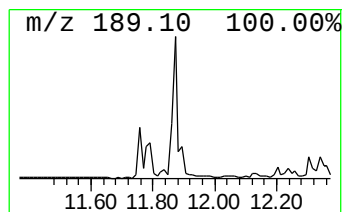
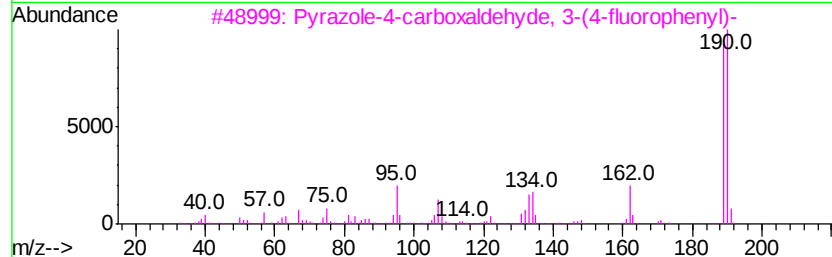
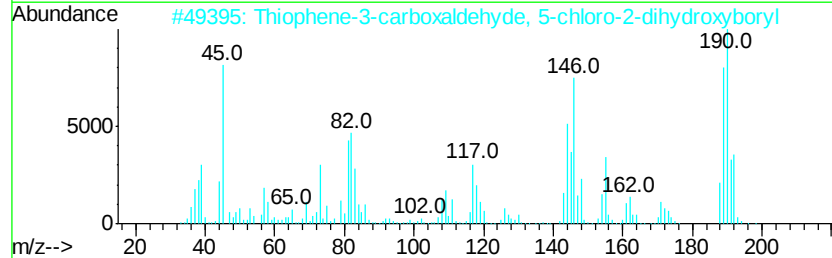
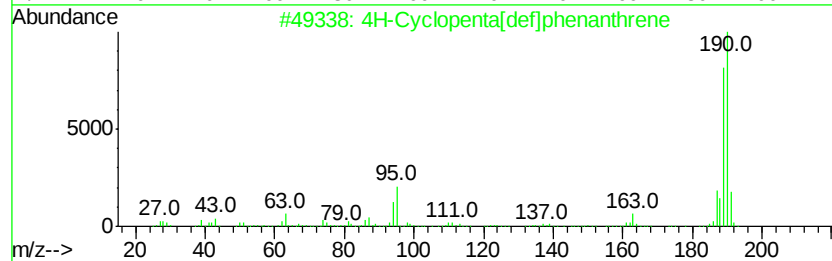
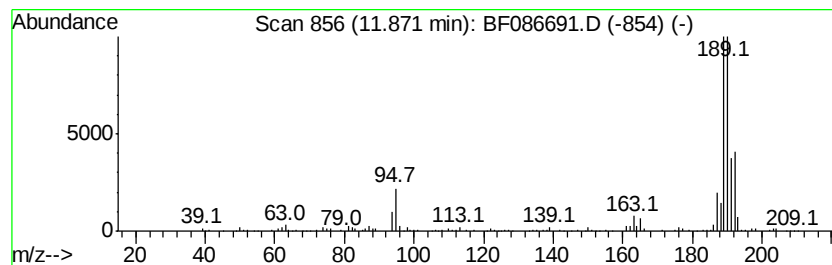
Instrument :  
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ClientSampleId :  
26WARD-3-CS-9(0-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050416.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 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 11.87     | 6.65 ng                             | 375848 | Phenanthrene-d10 | 11.25       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 4H-Cyclopenta[def]phenanthrene      | 190    | C15H10           | 000203-64-5 | 70   |
| 2         | Thiophene-3-carboxaldehyde, 5-ch... | 190    | C5H4BClO3S       | 036155-87-0 | 50   |
| 3         | Pyrazole-4-carboxaldehyde, 3-(4-... | 190    | C10H7FN2O        | 306936-57-2 | 50   |
| 4         | 2,3,5,6-Tetramethylterephthalald... | 190    | C12H14O2         | 007072-01-7 | 47   |
| 5         | 1,4-Naphthalenedione, 2,5-dihydr... | 190    | C10H6O4          | 004923-55-1 | 16   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050416\  
Data File : BF086691.D  
Acq On : 4 May 2016 22:05  
Operator : UM/SJ  
Sample : H2715-07  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
26WARD-3-CS-9(0-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

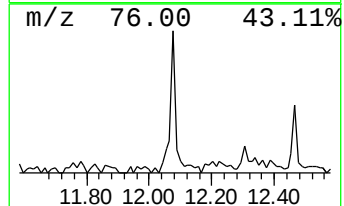
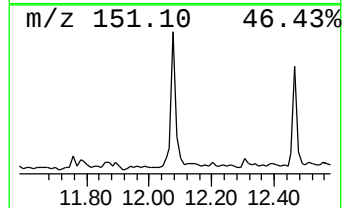
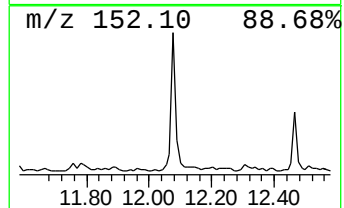
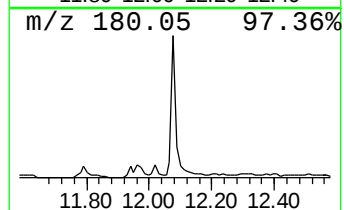
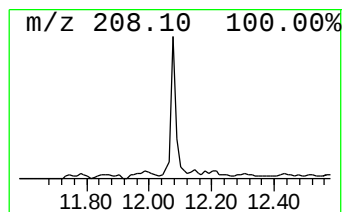
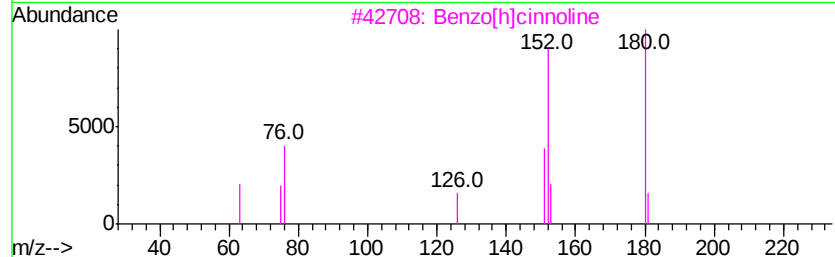
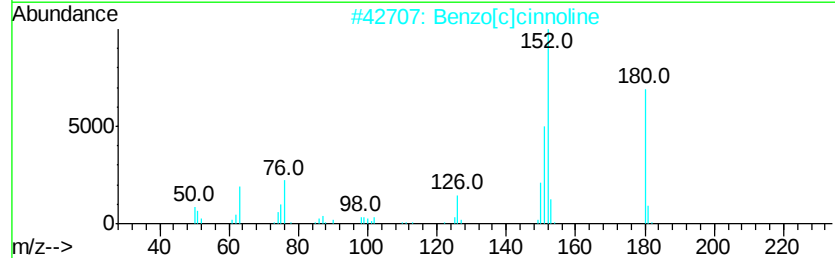
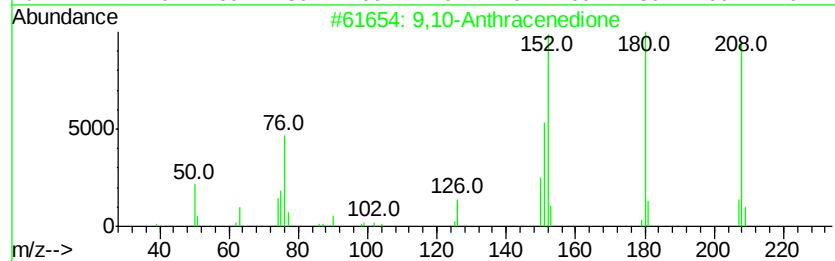
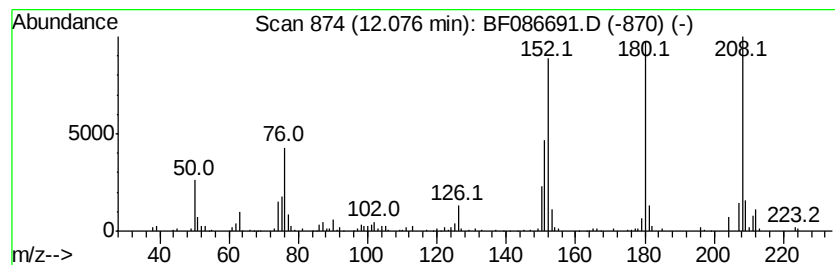
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 9,10-Anthracenedione Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.08 | 4.60 ng | 259836 | Phenanthrene-d10 | 11.25 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 99   |
| 2    |    |   | Benzo[c]cinnoline    | 180 | C12H8N2 | 000230-17-1 | 64   |
| 3    |    |   | Benzo[h]cinnoline    | 180 | C12H8N2 | 000230-31-9 | 52   |
| 4    |    |   | 9H-Fluoren-9-one     | 180 | C13H8O  | 000486-25-9 | 52   |
| 5    |    |   | 1H-Phenalen-1-one    | 180 | C13H8O  | 000548-39-0 | 46   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050416\  
Data File : BF086691.D  
Acq On : 4 May 2016 22:05  
Operator : UM/SJ  
Sample : H2715-07  
Misc :  
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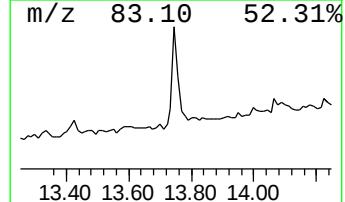
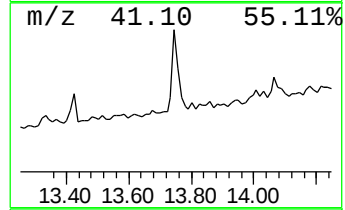
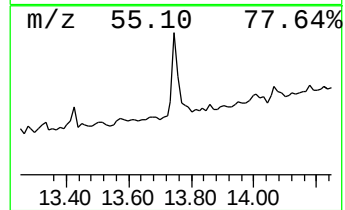
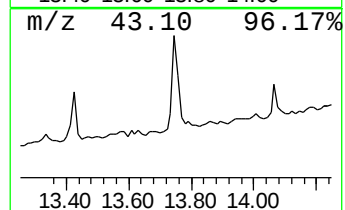
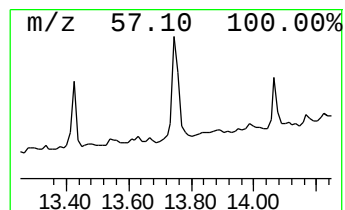
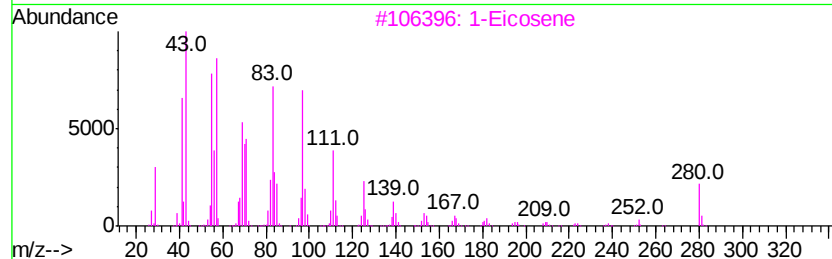
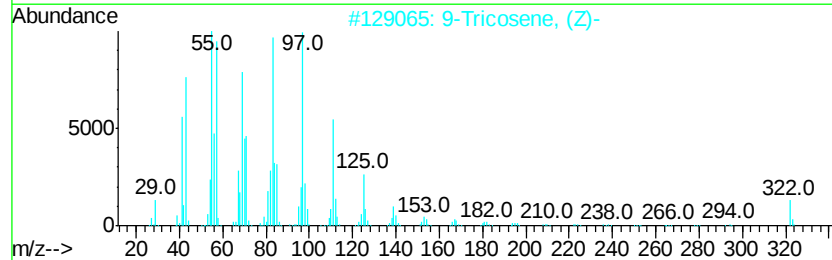
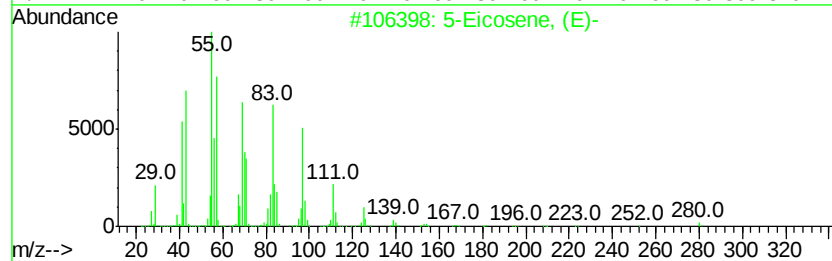
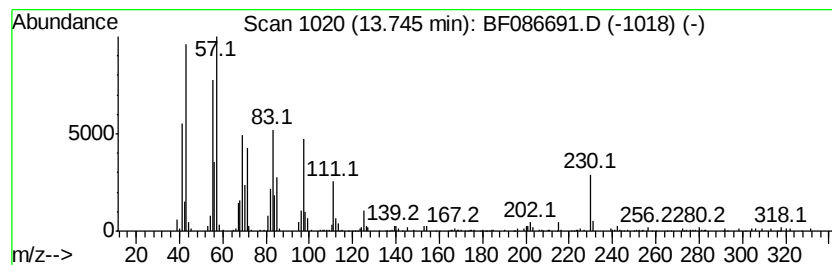
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ClientSampleId :  
26WARD-3-CS-9(0-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050416.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 5-Eicosene, (E)- Concentration Rank 11

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 13.75     | 5.40 ng                             | 303869 | Chrysene-d12     | 13.89       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 5-Eicosene, (E)-                    | 280    | C20H40           | 074685-30-6 | 95   |
| 2         | 9-Tricosene, (Z)-                   | 322    | C23H46           | 027519-02-4 | 93   |
| 3         | 1-Eicosene                          | 280    | C20H40           | 003452-07-1 | 91   |
| 4         | 3-Eicosene, (E)-                    | 280    | C20H40           | 074685-33-9 | 91   |
| 5         | Trifluoroacetic acid, n-octadecy... | 366    | C20H37F3O2       | 079392-43-1 | 90   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050416\  
Data File : BF086691.D  
Acq On : 4 May 2016 22:05  
Operator : UM/SJ  
Sample : H2715-07  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
26WARD-3-CS-9(0-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

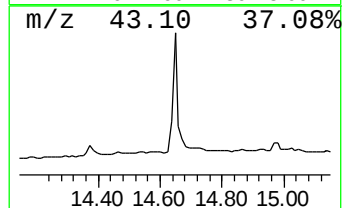
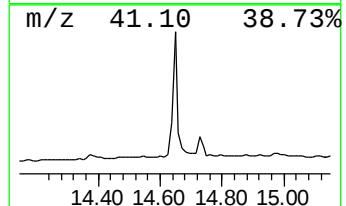
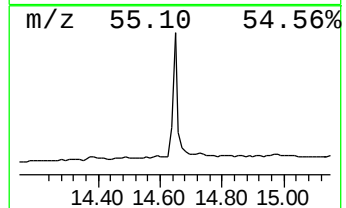
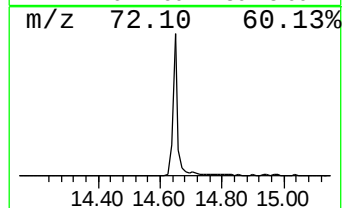
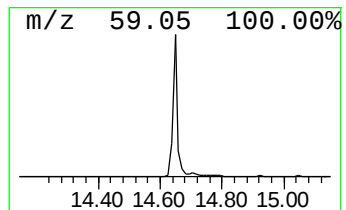
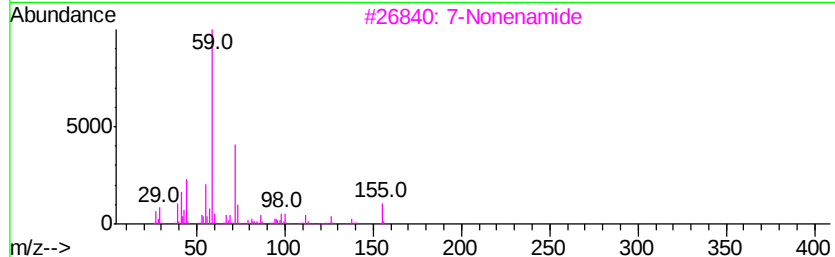
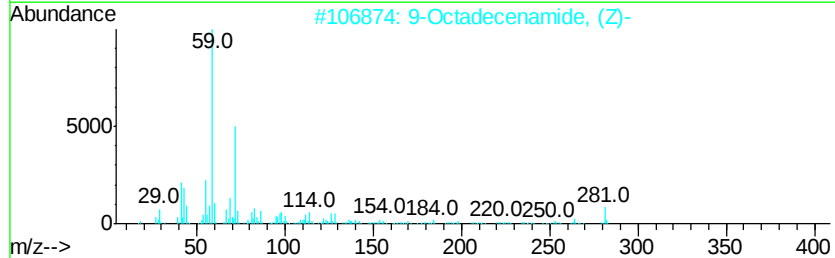
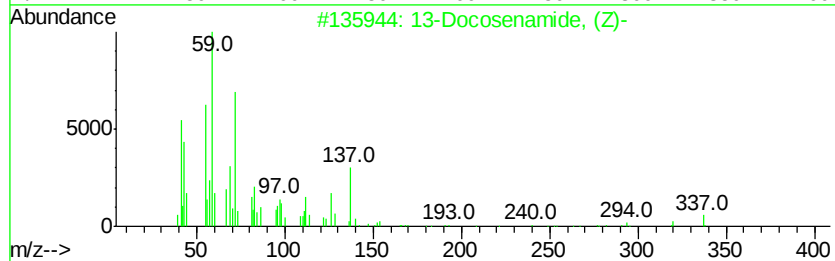
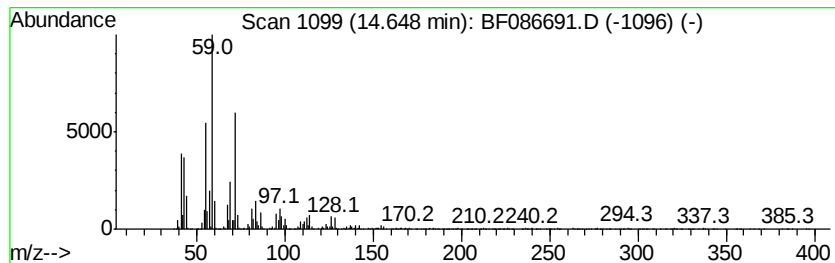
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 13-Docosenamide, (Z)- Concentration Rank 3

| R.T.  | EstConc   | Area    | Relative to ISTD | R.T.  |
|-------|-----------|---------|------------------|-------|
| 14.65 | 153.72 ng | 2344030 | Perylene-d12     | 15.28 |

| Hit# | of | Tentative ID           | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------------|-----|----------|-------------|------|
| 1    | 5  | 13-Docosenamide, (Z)-  | 337 | C22H43NO | 000112-84-5 | 91   |
| 2    |    | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 90   |
| 3    |    | 7-Nonenamide           | 155 | C9H17NO  | 090949-53-4 | 50   |
| 4    |    | Hexanamide             | 115 | C6H13NO  | 000628-02-4 | 47   |
| 5    |    | 3-Tetradecanol         | 214 | C14H30O  | 001653-32-3 | 47   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050416\  
Data File : BF086691.D  
Acq On : 4 May 2016 22:05  
Operator : UM/SJ  
Sample : H2715-07  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
26WARD-3-CS-9(0-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050416.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

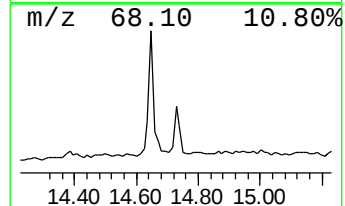
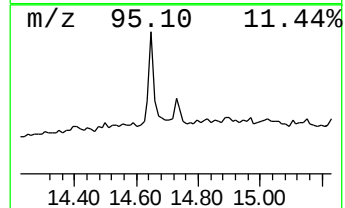
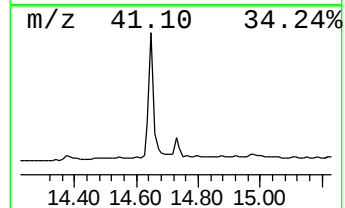
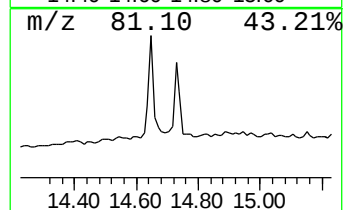
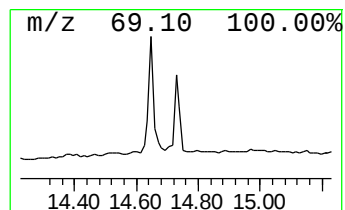
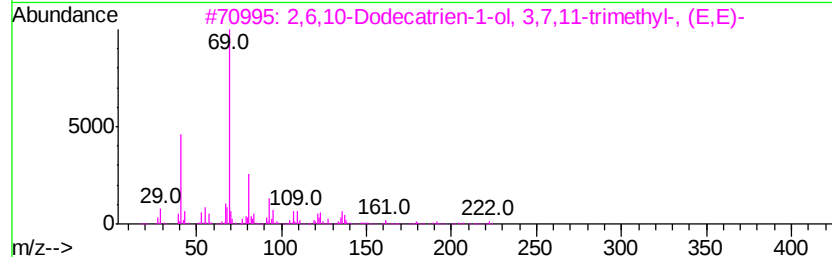
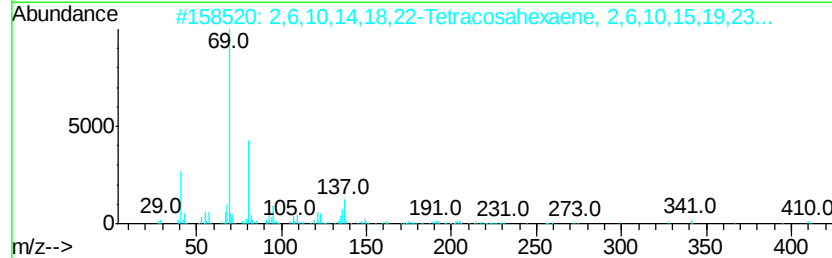
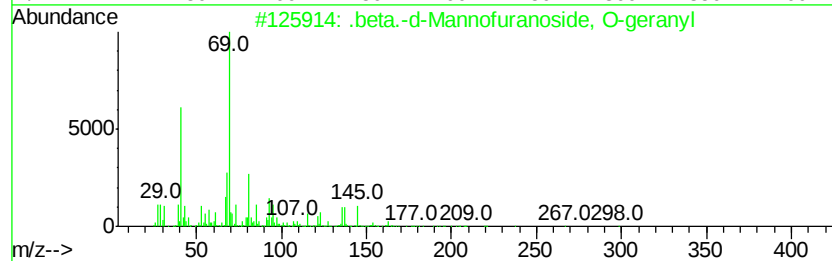
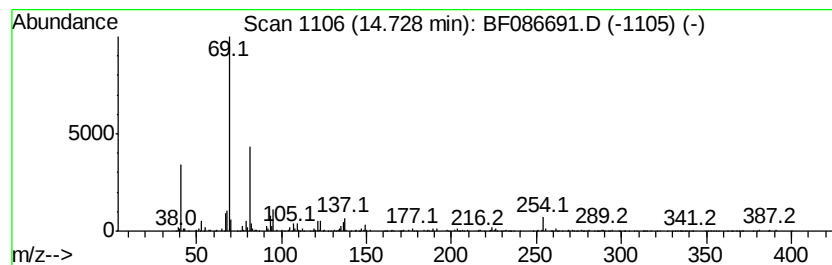
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 .beta.-d-Mannofuranoside, O... Concentration Rank 5

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 14.73 | 14.41 ng | 219697 | Perylene-d12     | 15.28 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | .beta.-d-Mannofuranoside, O-geranyl | 316 | C16H28O6 | 1000154-77-2 | 72   |
| 2    |    | 2,6,10,14,18,22-Tetracosahexaene... | 410 | C30H50   | 000111-02-4  | 72   |
| 3    |    | 2,6,10-Dodecatrien-1-ol, 3,7,11-... | 222 | C15H26O  | 000106-28-5  | 64   |
| 4    |    | 2,3,5-Trimethyl-2,3,5-hexanetric... | 203 | C12H17N3 | 003974-79-6  | 59   |
| 5    |    | 4-Oxo-.beta.-damascone              | 206 | C13H18O2 | 053398-08-6  | 53   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050416\  
Data File : BF086691.D  
Acq On : 4 May 2016 22:05  
Operator : UM/SJ  
Sample : H2715-07  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
26WARD-3-CS-9(0-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050416.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

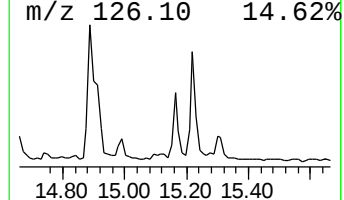
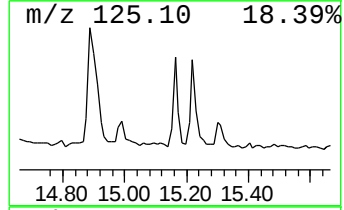
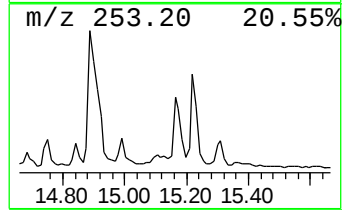
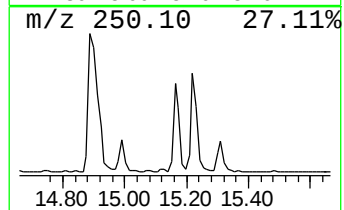
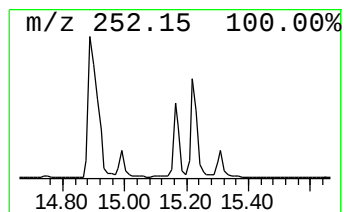
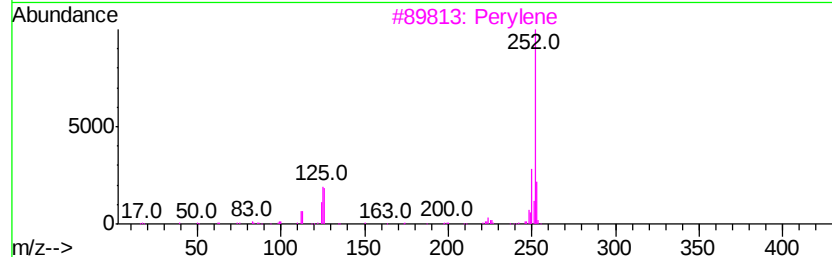
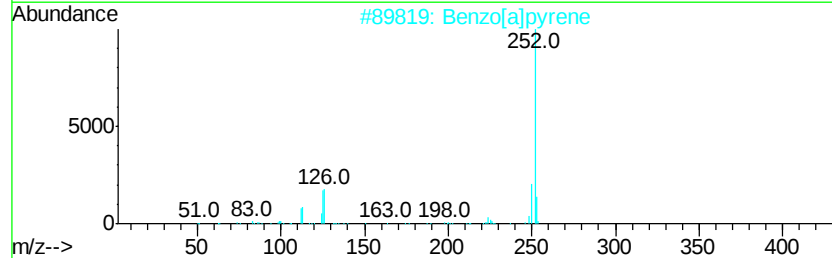
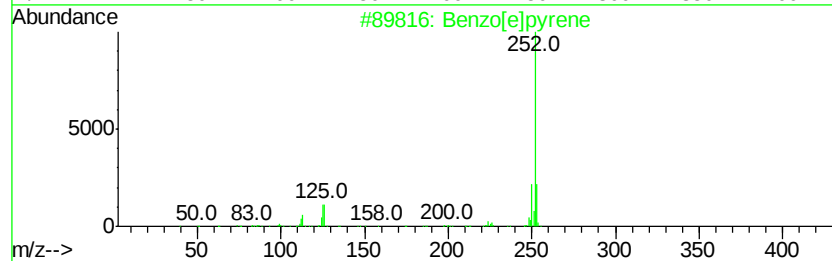
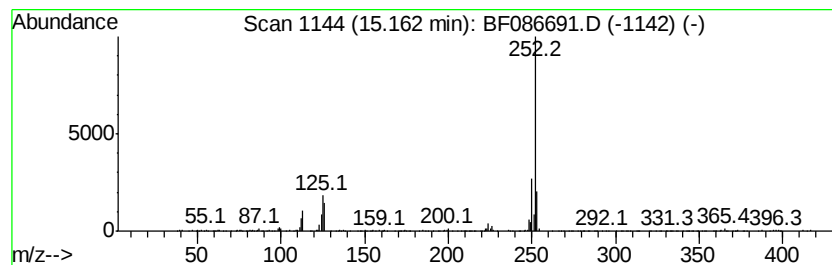
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 Benzo[e]pyrene Concentration Rank 4

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 15.16 | 19.66 ng | 299859 | Perylene-d12     | 15.28 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzo[e]pyrene            | 252 | C20H12  | 000192-97-2 | 97   |
| 2    |    | Benzo[a]pyrene            | 252 | C20H12  | 000050-32-8 | 96   |
| 3    |    | Perylene                  | 252 | C20H12  | 000198-55-0 | 94   |
| 4    |    | Benzo[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 93   |
| 5    |    | Benzo[k]fluoranthene      | 252 | C20H12  | 000207-08-9 | 90   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050416\  
Data File : BF086691.D  
Acq On : 4 May 2016 22:05  
Operator : UM/SJ  
Sample : H2715-07  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
26WARD-3-CS-9(0-12FTBGS)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050416.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... | 4.92  | 6.3     | ng    | 164149   | 1                     | 6.74  | 1036940 | 40.0 |
| unknown6.51          | 6.51  | 206.8   | ng    | 5360420  | 1                     | 6.74  | 1036940 | 40.0 |
| Hexadecane           | 9.72  | 4.1     | ng    | 125242   | 3                     | 9.78  | 1223680 | 40.0 |
| Eicosane             | 10.21 | 6.4     | ng    | 196304   | 3                     | 9.78  | 1223680 | 40.0 |
| Tridecane            | 10.43 | 4.4     | ng    | 133569   | 3                     | 9.78  | 1223680 | 40.0 |
| Anthracene, 2-met... | 11.79 | 7.2     | ng    | 409016   | 4                     | 11.25 | 2261810 | 40.0 |
| 4H-Cyclopenta[def... | 11.87 | 6.7     | ng    | 375848   | 4                     | 11.25 | 2261810 | 40.0 |
| 9,10-Anthracenedione | 12.08 | 4.6     | ng    | 259836   | 4                     | 11.25 | 2261810 | 40.0 |
| 5-Eicosene, (E)-     | 13.75 | 5.4     | ng    | 303869   | 5                     | 13.89 | 2248880 | 40.0 |
| 13-Docosenamide, ... | 14.65 | 153.7   | ng    | 2344030  | 6                     | 15.28 | 609955  | 40.0 |
| .beta.-d-Mannofur... | 14.73 | 14.4    | ng    | 219697   | 6                     | 15.28 | 609955  | 40.0 |
| Benzo[e]pyrene       | 15.16 | 19.7    | ng    | 299859   | 6                     | 15.28 | 609955  | 40.0 |