

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF082515\  
 Data File : BF081210.D  
 Acq On : 25 Aug 2015 21:08  
 Operator : UM/IZ  
 Sample : G3407-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P003-BF001-01

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         | 3.875       | 172           | 174         | 180          | rBV      | 23315          | 39513         | 1.61%           | 0.170%        |
| 2         | 4.653       | 238           | 242         | 252          | rVB      | 877214         | 1729369       | 70.63%          | 7.432%        |
| 3         | 5.110       | 278           | 282         | 284          | rBV      | 1905411        | 2448564       | 100.00%         | 10.522%       |
| 4         | 5.521       | 316           | 318         | 320          | rBV      | 46950          | 40848         | 1.67%           | 0.176%        |
| 5         | 6.184       | 373           | 376         | 379          | rBV      | 1839223        | 2040087       | 83.32%          | 8.767%        |
| 6         | 6.299       | 383           | 386         | 388          | rBV      | 2288483        | 2272367       | 92.80%          | 9.765%        |
| 7         | 6.527       | 404           | 406         | 408          | rBV      | 560146         | 451175        | 18.43%          | 1.939%        |
| 8         | 6.687       | 417           | 420         | 422          | rBV      | 1833413        | 1765945       | 72.12%          | 7.589%        |
| 9         | 7.099       | 453           | 456         | 459          | rBV      | 1271122        | 1309054       | 53.46%          | 5.625%        |
| 10        | 7.224       | 462           | 467         | 472          | rVB      | 29494          | 39471         | 1.61%           | 0.170%        |
| 11        | 7.567       | 495           | 497         | 500          | rBV2     | 14339          | 24639         | 1.01%           | 0.106%        |
| 12        | 7.807       | 516           | 518         | 521          | rBV      | 418771         | 557491        | 22.77%          | 2.396%        |
| 13        | 8.893       | 610           | 613         | 616          | rVB      | 1793946        | 2150156       | 87.81%          | 9.240%        |
| 14        | 9.293       | 646           | 648         | 651          | rVB      | 445128         | 390258        | 15.94%          | 1.677%        |
| 15        | 9.556       | 669           | 671         | 673          | rBV      | 563868         | 537206        | 21.94%          | 2.309%        |
| 16        | 10.345      | 737           | 740         | 742          | rBV      | 1315639        | 1279870       | 52.27%          | 5.500%        |
| 17        | 10.482      | 750           | 752         | 756          | rBV      | 37037          | 50003         | 2.04%           | 0.215%        |
| 18        | 10.928      | 787           | 791         | 793          | rBV      | 46061          | 54364         | 2.22%           | 0.234%        |
| 19        | 11.030      | 797           | 800         | 801          | rBV      | 566239         | 566720        | 23.14%          | 2.435%        |
| 20        | 11.099      | 804           | 806         | 809          | rVB      | 40033          | 40319         | 1.65%           | 0.173%        |
| 21        | 11.282      | 821           | 822         | 827          | rVB      | 146461         | 148006        | 6.04%           | 0.636%        |
| 22        | 11.351      | 827           | 828         | 831          | rVB      | 34975          | 31215         | 1.27%           | 0.134%        |
| 23        | 11.591      | 847           | 849         | 851          | rVV      | 154195         | 160834        | 6.57%           | 0.691%        |
| 24        | 11.671      | 854           | 856         | 858          | rVV      | 52361          | 57827         | 2.36%           | 0.249%        |
| 25        | 11.762      | 862           | 864         | 865          | rVV      | 25048          | 32691         | 1.34%           | 0.140%        |
| 26        | 11.842      | 868           | 871         | 874          | rVB3     | 14311          | 30882         | 1.26%           | 0.133%        |
| 27        | 12.093      | 892           | 893         | 896          | rBV      | 283446         | 325822        | 13.31%          | 1.400%        |
| 28        | 12.231      | 903           | 905         | 907          | rBV      | 164927         | 169735        | 6.93%           | 0.729%        |
| 29        | 12.368      | 915           | 917         | 920          | rBV3     | 14856          | 26774         | 1.09%           | 0.115%        |
| 30        | 12.448      | 921           | 924         | 926          | rVV      | 167978         | 181925        | 7.43%           | 0.782%        |
| 31        | 12.516      | 928           | 930         | 934          | rVB2     | 27763          | 49556         | 2.02%           | 0.213%        |
| 32        | 12.619      | 936           | 939         | 941          | rBV      | 1631089        | 1895898       | 77.43%          | 8.147%        |
| 33        | 12.779      | 951           | 953         | 957          | rVB2     | 23757          | 39474         | 1.61%           | 0.170%        |
| 34        | 12.848      | 957           | 959         | 963          | rBV2     | 39483          | 93661         | 3.83%           | 0.402%        |

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P003-BF001-01

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

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 13.076 | 977  | 979  | 984  | rVB3 | 12812  | 30981  | 1.27%  | 0.133% |
| 36 | 13.202 | 989  | 990  | 994  | rVB  | 26238  | 48323  | 1.97%  | 0.208% |
| 37 | 13.522 | 1016 | 1018 | 1025 | rBV  | 188153 | 290210 | 11.85% | 1.247% |
| 38 | 13.636 | 1026 | 1028 | 1034 | rVV2 | 330108 | 565805 | 23.11% | 2.431% |
| 39 | 13.739 | 1035 | 1037 | 1043 | rVV6 | 12909  | 29077  | 1.19%  | 0.125% |
| 40 | 13.854 | 1044 | 1047 | 1050 | rVB2 | 31808  | 55197  | 2.25%  | 0.237% |
| 41 | 14.162 | 1071 | 1074 | 1078 | rBV  | 47025  | 100786 | 4.12%  | 0.433% |
| 42 | 14.448 | 1096 | 1099 | 1101 | rBV  | 33447  | 61513  | 2.51%  | 0.264% |
| 43 | 14.505 | 1102 | 1104 | 1108 | rVV  | 40978  | 59717  | 2.44%  | 0.257% |
| 44 | 14.631 | 1112 | 1115 | 1119 | rVV  | 59153  | 136033 | 5.56%  | 0.585% |
| 45 | 14.871 | 1134 | 1136 | 1139 | rBV  | 54562  | 64354  | 2.63%  | 0.277% |
| 46 | 14.917 | 1139 | 1140 | 1143 | rVV  | 46384  | 67129  | 2.74%  | 0.288% |
| 47 | 14.974 | 1143 | 1145 | 1149 | rVV  | 316534 | 366572 | 14.97% | 1.575% |
| 48 | 15.385 | 1179 | 1181 | 1182 | rBV  | 20562  | 28370  | 1.16%  | 0.122% |
| 49 | 15.545 | 1192 | 1195 | 1201 | rVB6 | 42013  | 118750 | 4.85%  | 0.510% |
| 50 | 15.888 | 1222 | 1225 | 1231 | rVB4 | 30301  | 59984  | 2.45%  | 0.258% |
| 51 | 16.140 | 1245 | 1247 | 1252 | rVB2 | 28691  | 65674  | 2.68%  | 0.282% |
| 52 | 16.345 | 1262 | 1265 | 1267 | rBV3 | 24795  | 51325  | 2.10%  | 0.221% |
| 53 | 16.494 | 1276 | 1278 | 1282 | rVB  | 21247  | 38512  | 1.57%  | 0.166% |

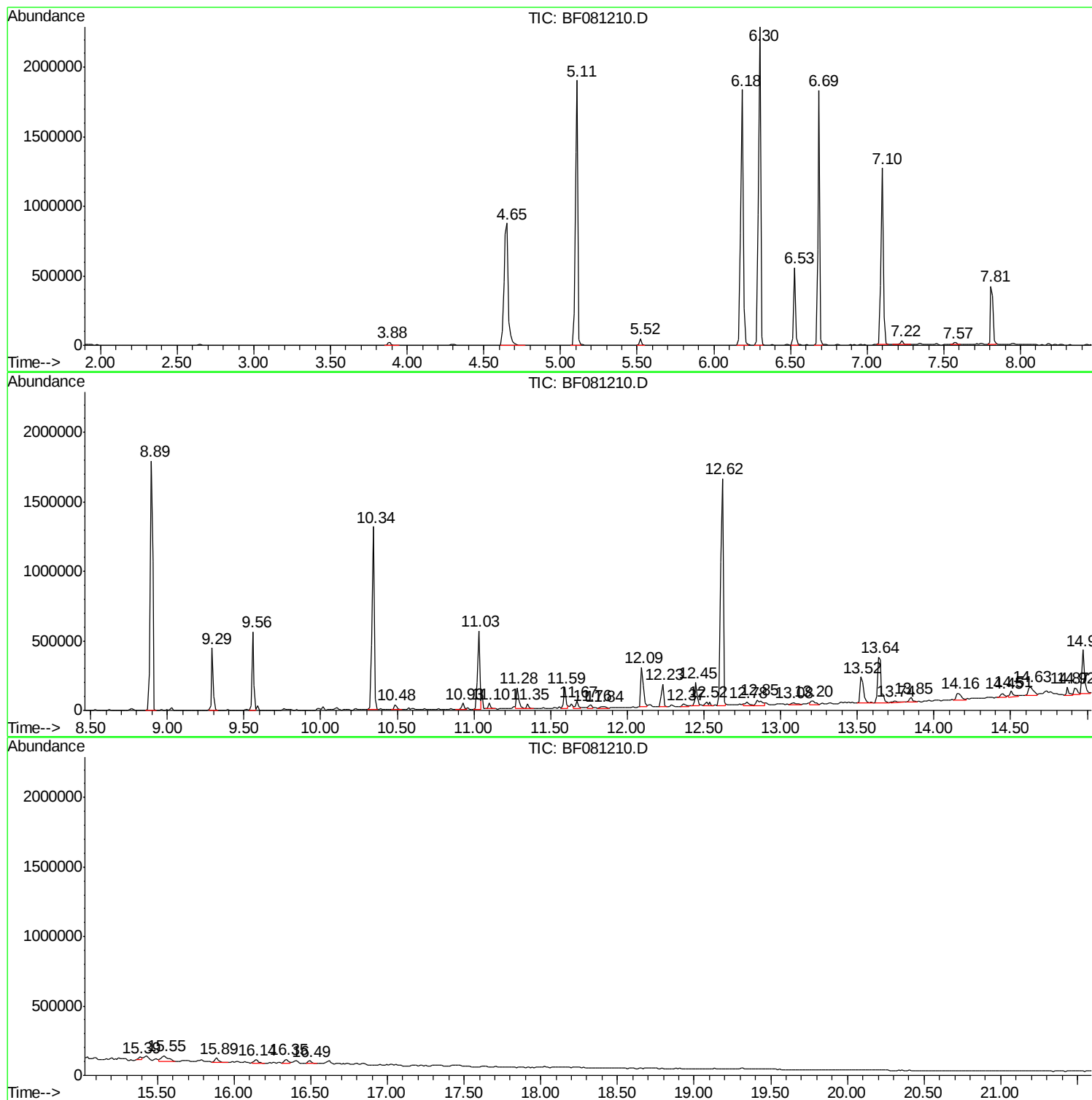
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF082515\  
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Sample : G3407-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
P003-BF001-01

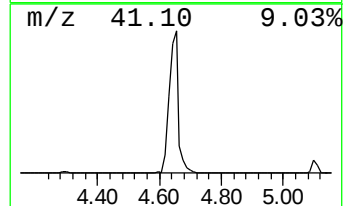
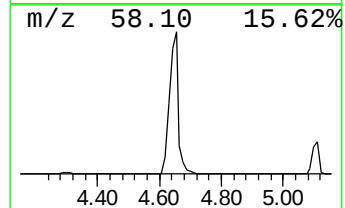
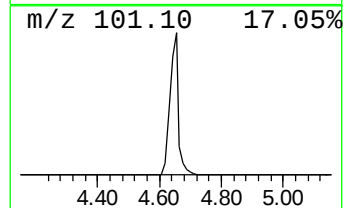
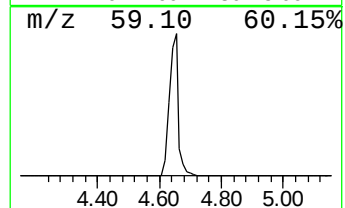
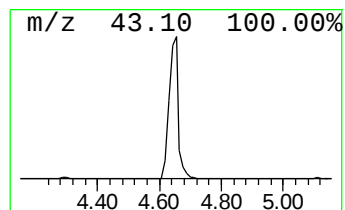
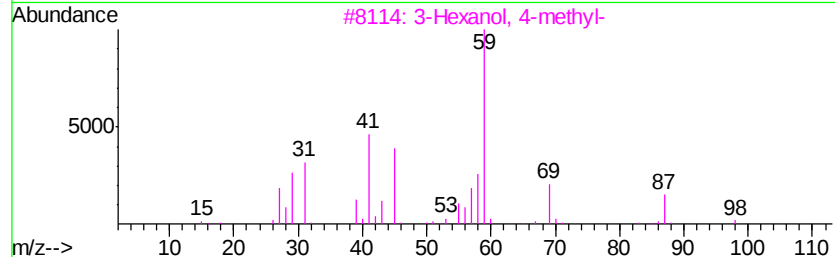
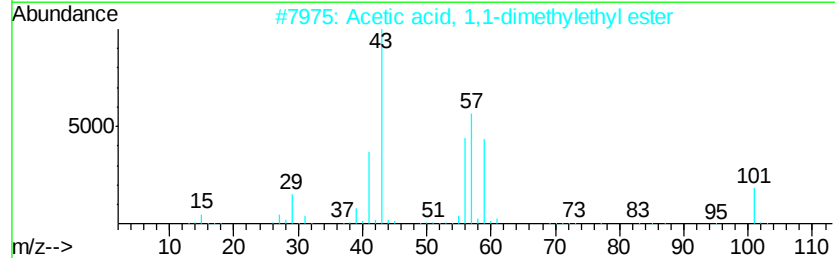
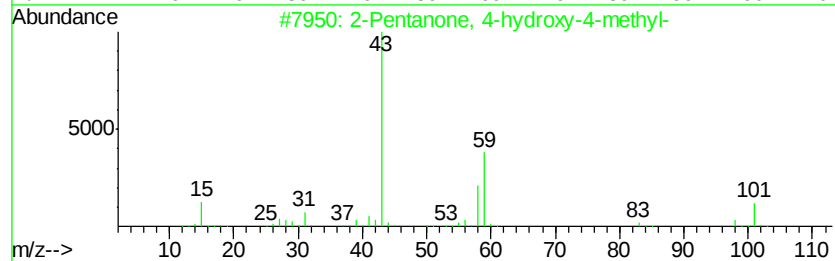
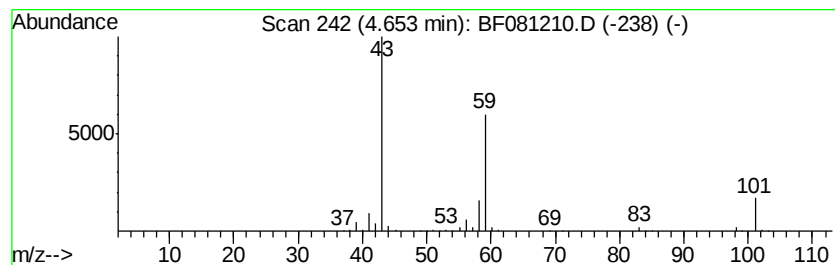
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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 3

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 4.65 | 76.66 ng | 1729370 | 1,4-Dichlorobenzene-d4 | 6.53 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 59   |
| 2    |    |   | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2  | 000540-88-5 | 39   |
| 3    |    |   | 3-Hexanol, 4-methyl-                | 116 | C7H16O   | 000615-29-2 | 33   |
| 4    |    |   | 2-Hexanol, 2-methyl-                | 116 | C7H16O   | 000625-23-0 | 33   |
| 5    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23   |



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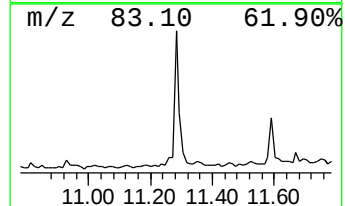
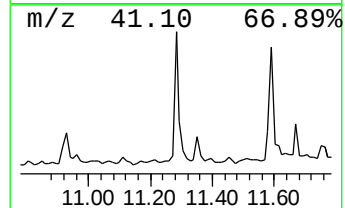
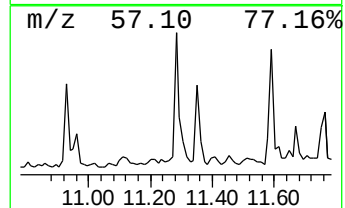
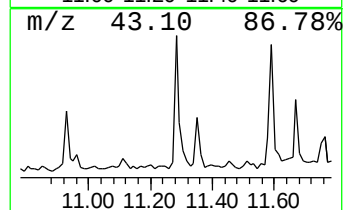
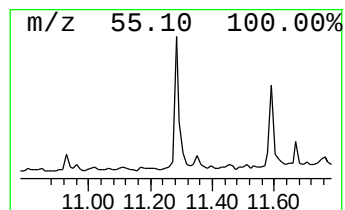
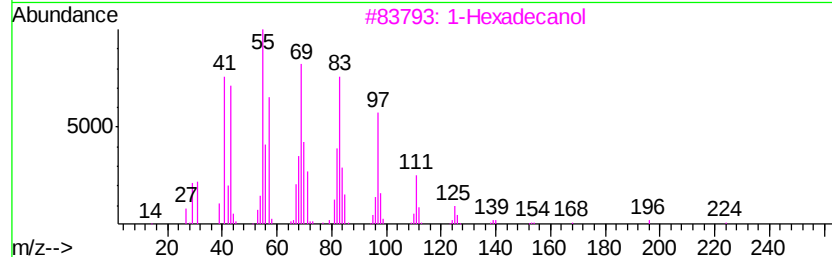
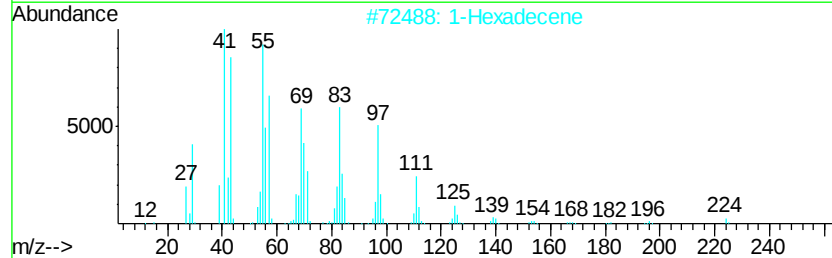
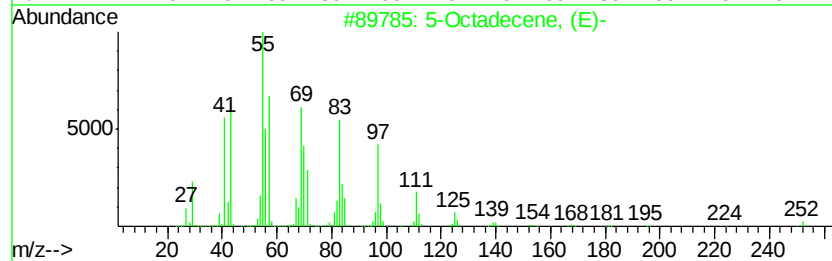
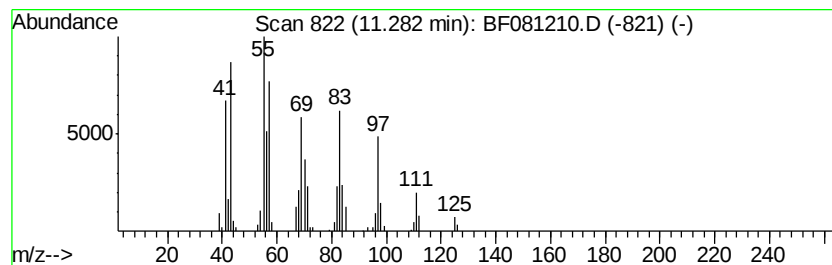
Instrument :  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 5-Octadecene, (E)- Concentration Rank 8

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 11.28     | 5.22 ng                             | 148006 | Phenanthrene-d10 | 11.03        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | 5-Octadecene, (E)-                  | 252    | C18H36           | 007206-21-5  | 91   |
| 2         | 1-Hexadecene                        | 224    | C16H32           | 000629-73-2  | 91   |
| 3         | 1-Hexadecanol                       | 242    | C16H34O          | 036653-82-4  | 90   |
| 4         | 1-Tridecene                         | 182    | C13H26           | 002437-56-1  | 87   |
| 5         | Pentafluoropropionic acid, octad... | 416    | C21H37F5O2       | 1000280-07-7 | 80   |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.M  
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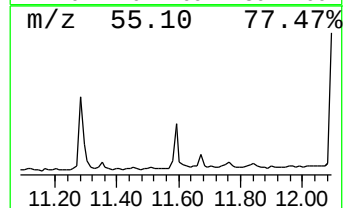
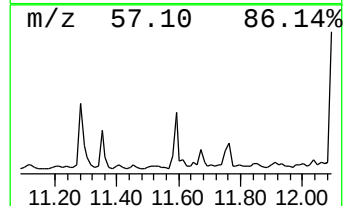
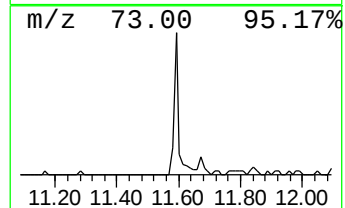
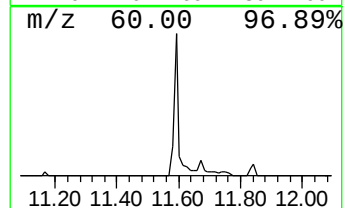
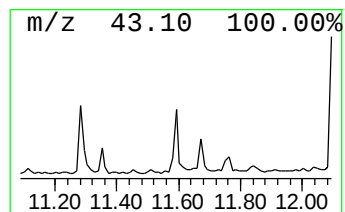
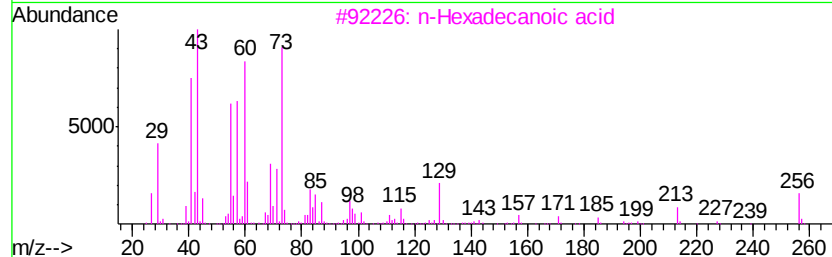
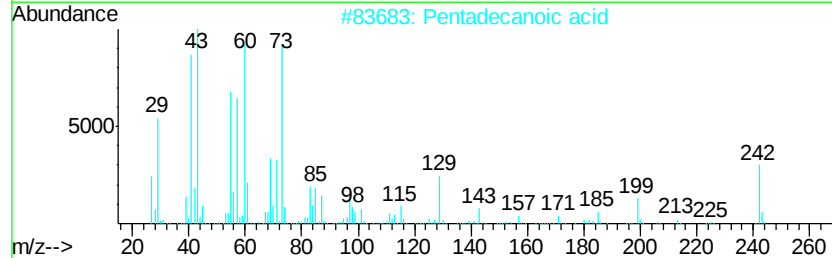
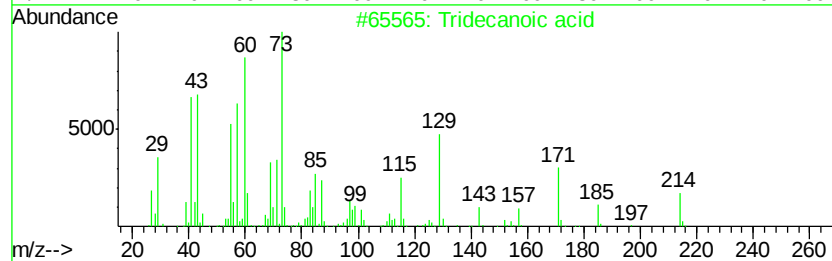
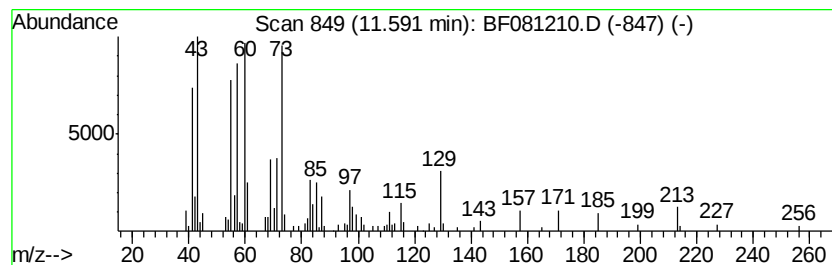
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Tridecanoic acid Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.59 | 5.68 ng | 160834 | Phenanthrene-d10 | 11.03 |

| Hit# of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|---------|---|---------------------|-----|----------|-------------|------|
| 1       |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 93   |
| 2       |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 86   |
| 3       |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 72   |
| 4       |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 72   |
| 5       |   | Undecanoic acid     | 186 | C11H22O2 | 000112-37-8 | 64   |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

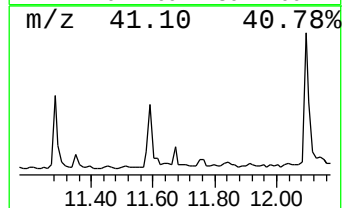
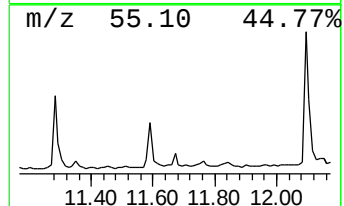
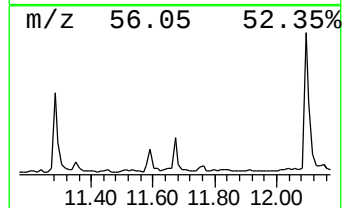
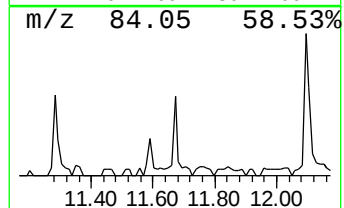
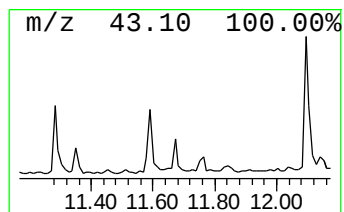
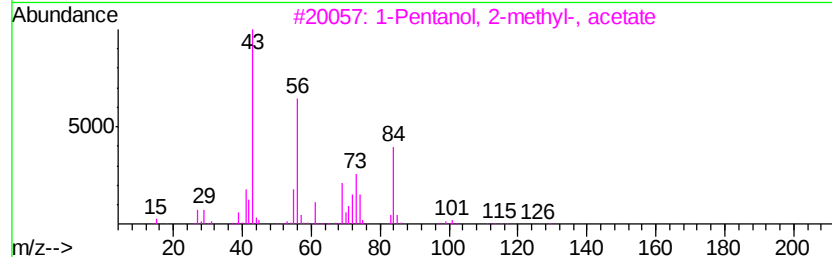
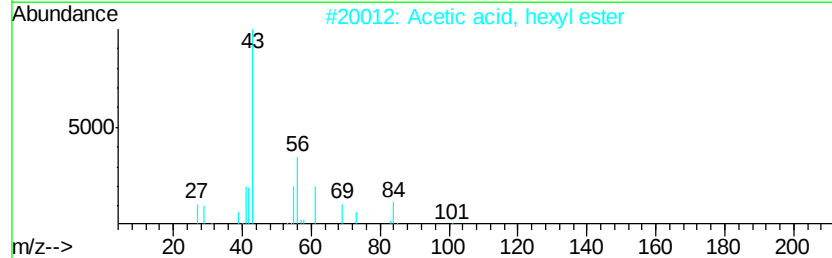
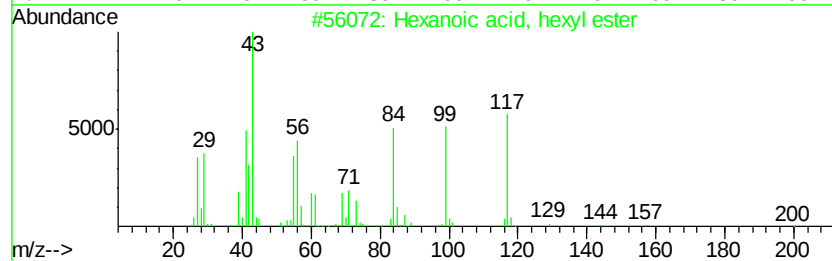
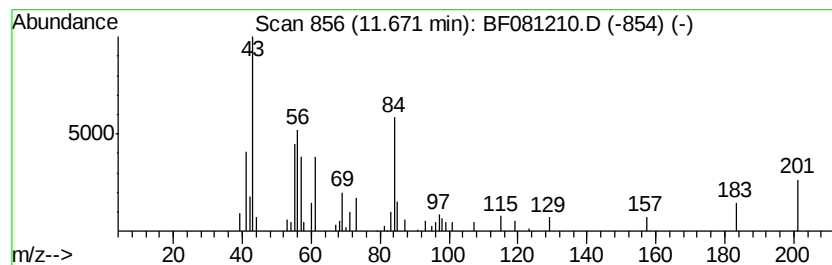
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 unknown11.67 Concentration Rank 15

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 11.67 | 2.04 ng | 57827 | Phenanthrene-d10 | 11.03 |

| Hit# | of | Tentative ID                   | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------|-----|----------|-------------|------|
| 1    | 5  | Hexanoic acid, hexyl ester     | 200 | C12H24O2 | 006378-65-0 | 47   |
| 2    |    | Acetic acid, hexyl ester       | 144 | C8H16O2  | 000142-92-7 | 43   |
| 3    |    | 1-Pentanol, 2-methyl-, acetate | 144 | C8H16O2  | 007789-99-3 | 38   |
| 4    |    | Cyclohexane                    | 84  | C6H12    | 000110-82-7 | 38   |
| 5    |    | 2-Amino-oxazole                | 84  | C3H4N2O  | 004570-45-0 | 35   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF082515\  
Data File : BF081210.D  
Acq On : 25 Aug 2015 21:08  
Operator : UM/IZ  
Sample : G3407-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

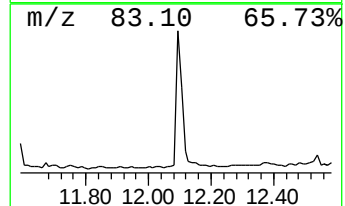
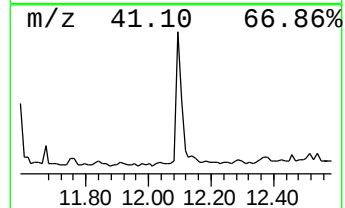
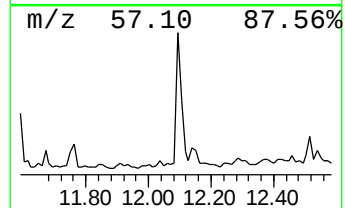
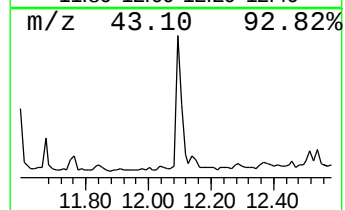
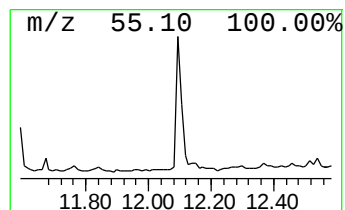
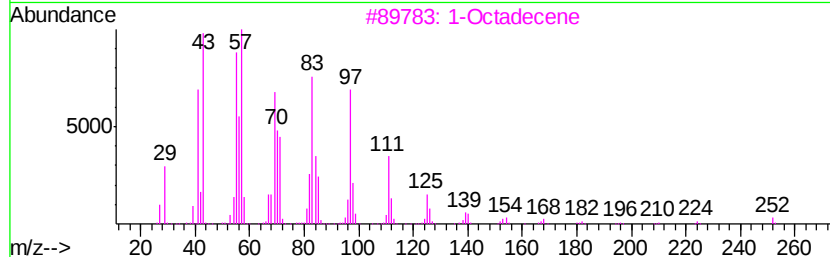
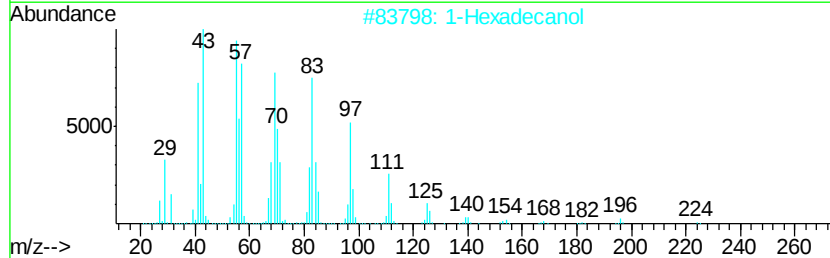
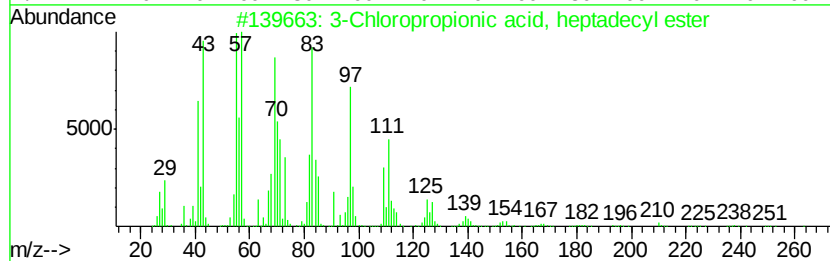
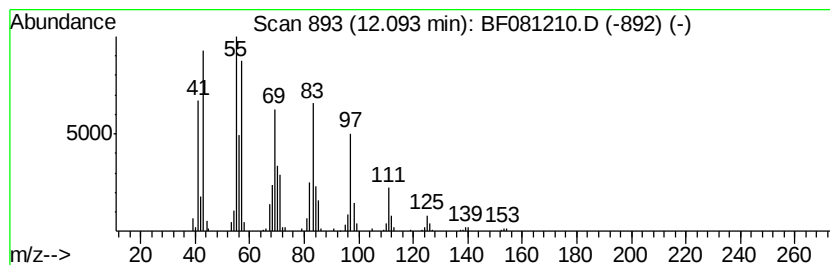
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 7 3-Chloropropionic acid, hep... Concentration Rank 4

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 12.09     | 11.50 ng                            | 325822 | Phenanthrene-d10 | 11.03        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | 3-Chloropropionic acid, heptadec... | 346    | C20H39ClO2       | 1000283-05-1 | 91   |
| 2         | 1-Hexadecanol                       | 242    | C16H34O          | 036653-82-4  | 91   |
| 3         | 1-Octadecene                        | 252    | C18H36           | 000112-88-9  | 91   |
| 4         | 1-Nonadecene                        | 266    | C19H38           | 018435-45-5  | 91   |
| 5         | 9-Eicosene, (E)-                    | 280    | C20H40           | 074685-29-3  | 91   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF082515\  
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Acq On : 25 Aug 2015 21:08  
Operator : UM/IZ  
Sample : G3407-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

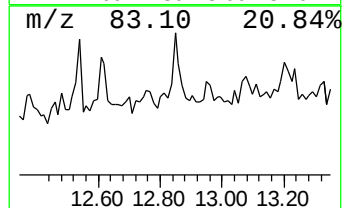
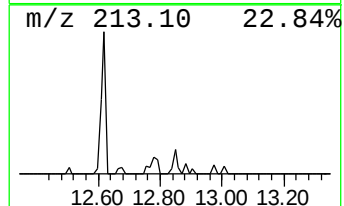
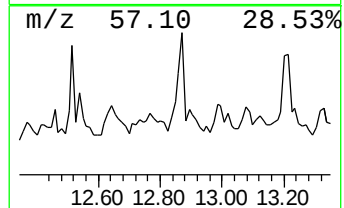
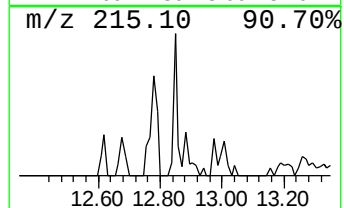
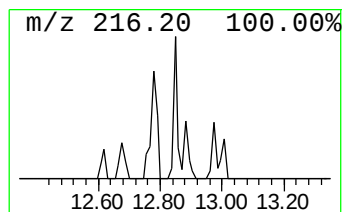
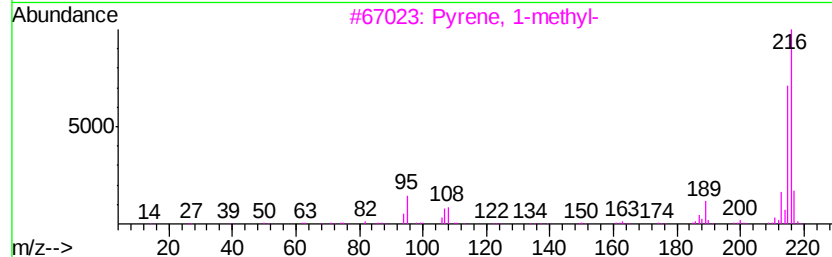
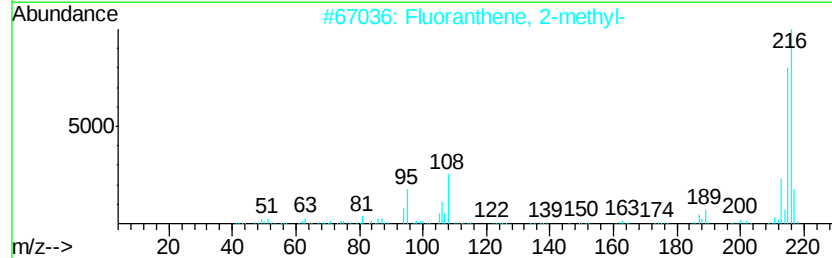
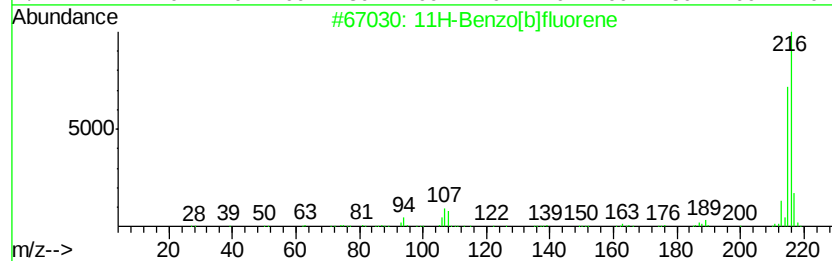
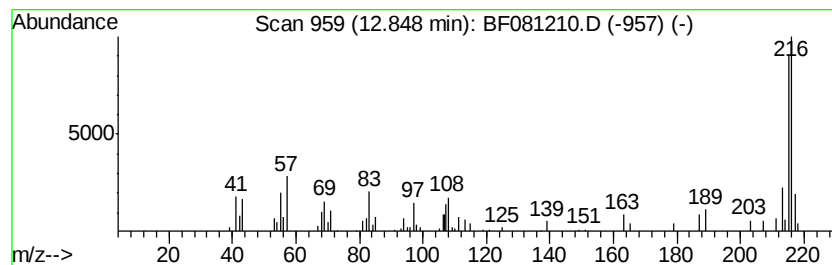
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P003-BF001-01

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 8 11H-Benzo[b]fluorene Concentration Rank 11

| R.T.    | EstConc                 | Area         | Relative to ISTD | R.T.      |
|---------|-------------------------|--------------|------------------|-----------|
| 12.85   | 3.31 ng                 | 93661        | Chrysene-d12     | 13.65     |
| Hit# of | 5                       | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | 11H-Benzo[b]fluorene    | 216 C17H12   | 000243-17-4      | 96        |
| 2       | Fluoranthene, 2-methyl- | 216 C17H12   | 033543-31-6      | 80        |
| 3       | Pyrene, 1-methyl-       | 216 C17H12   | 002381-21-7      | 72        |
| 4       | 11H-Benzo[a]fluorene    | 216 C17H12   | 000238-84-6      | 72        |
| 5       | 7H-Benzo[c]fluorene     | 216 C17H12   | 000205-12-9      | 64        |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF082515\  
Data File : BF081210.D  
Acq On : 25 Aug 2015 21:08  
Operator : UM/IZ  
Sample : G3407-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
P003-BF001-01

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

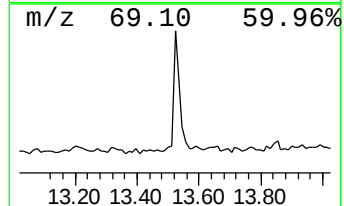
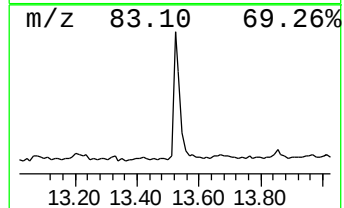
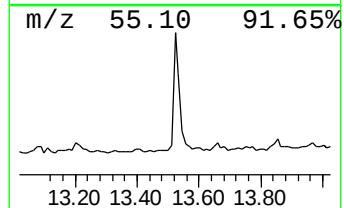
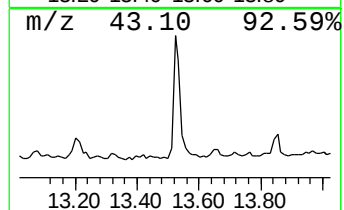
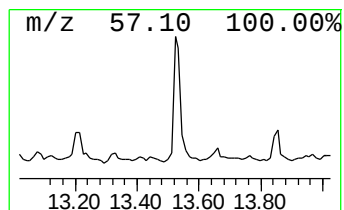
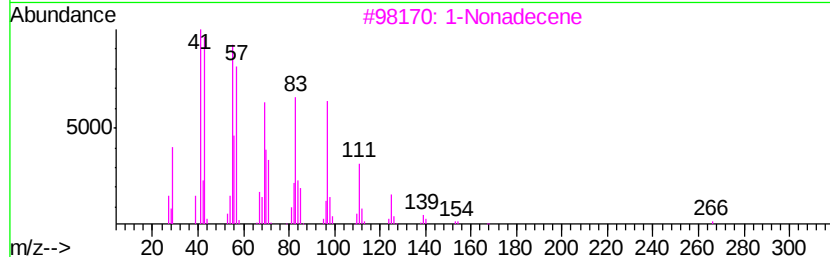
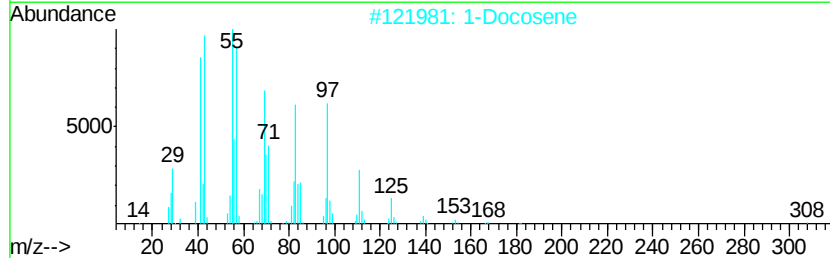
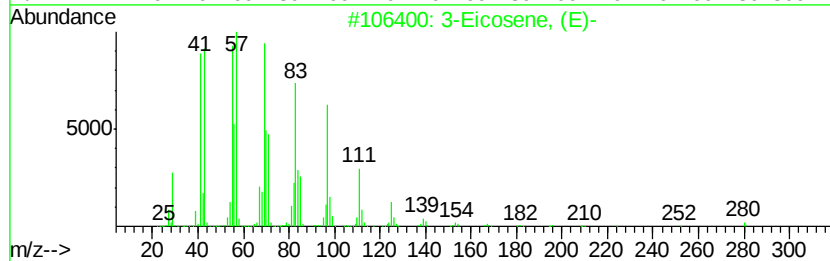
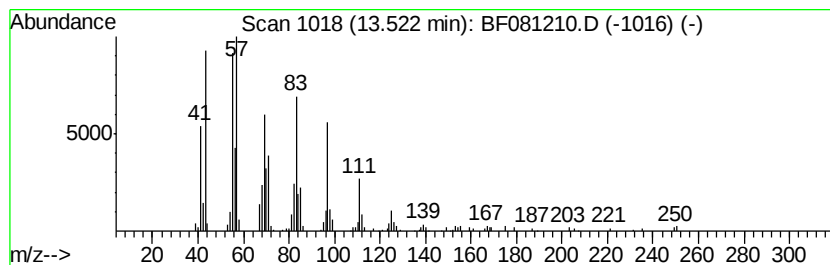
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 3-Eicosene, (E)- Concentration Rank 5

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 13.52 | 10.26 ng | 290210 | Chrysene-d12     | 13.65 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | 3-Eicosene, (E)-                    | 280 | C20H40     | 074685-33-9 | 91   |
| 2    |    | 1-Docosene                          | 308 | C22H44     | 001599-67-3 | 91   |
| 3    |    | 1-Nonadecene                        | 266 | C19H38     | 018435-45-5 | 91   |
| 4    |    | 5-Eicosene, (E)-                    | 280 | C20H40     | 074685-30-6 | 91   |
| 5    |    | Acetic acid, chloro-, hexadecyl ... | 318 | C18H35ClO2 | 052132-58-8 | 91   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF082515\  
Data File : BF081210.D  
Acq On : 25 Aug 2015 21:08  
Operator : UM/IZ  
Sample : G3407-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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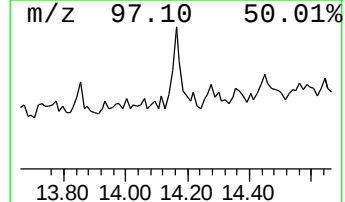
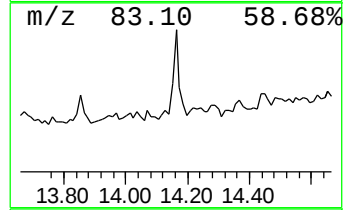
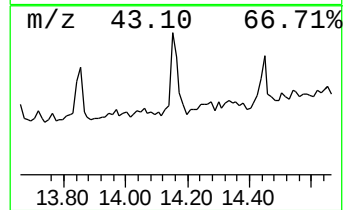
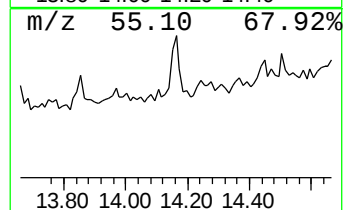
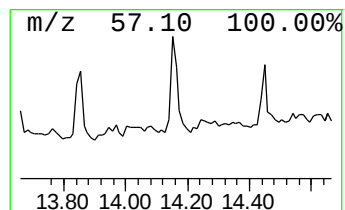
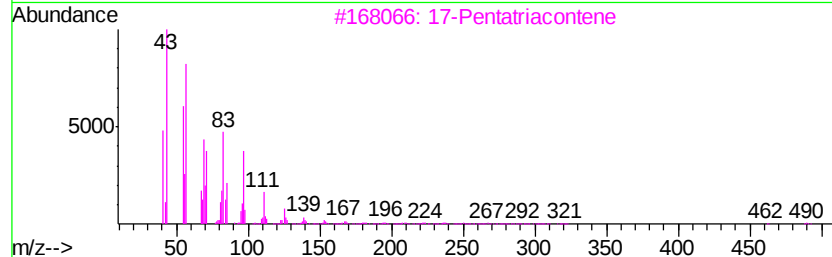
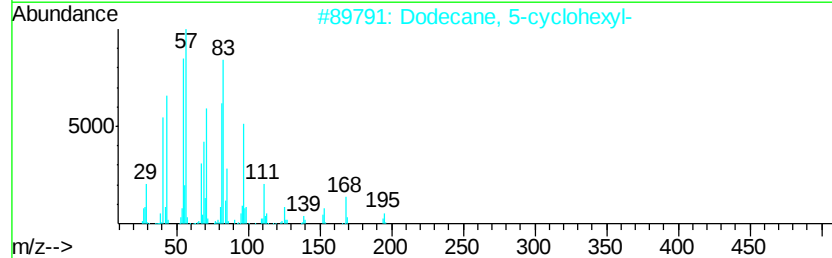
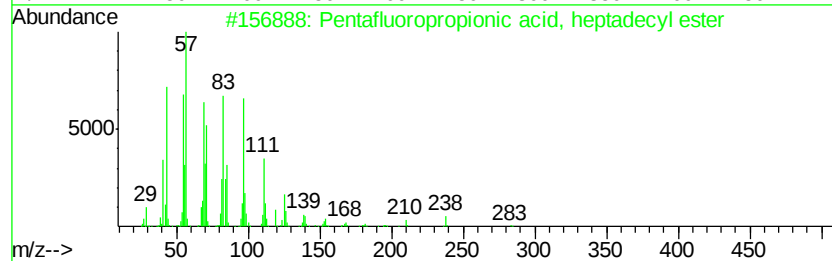
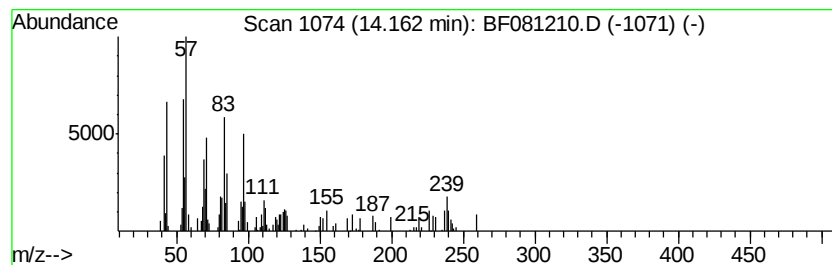
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TIC Integration Parameters: LSCINT.P

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Peak Number 10 Pentafluoropropionic acid, ... Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.16 | 3.56 ng | 100786 | Chrysene-d12     | 13.65 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Pentafluoropropionic acid, hepta... | 402 | C20H35F5O2 | 1000283-04-2 | 58   |
| 2    |    | Dodecane, 5-cyclohexyl-             | 252 | C18H36     | 013151-85-4  | 58   |
| 3    |    | 17-Pentatriacontene                 | 491 | C35H70     | 006971-40-0  | 49   |
| 4    |    | 1-Decanol, 2-hexyl-                 | 242 | C16H34O    | 002425-77-6  | 43   |
| 5    |    | Heptafluorobutanoic acid, heptad... | 452 | C21H35F7O2 | 1000282-97-3 | 30   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF082515\  
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Sample : G3407-04  
Misc :  
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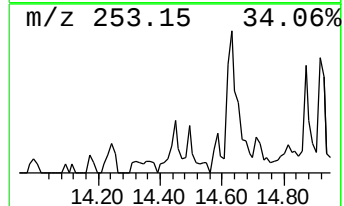
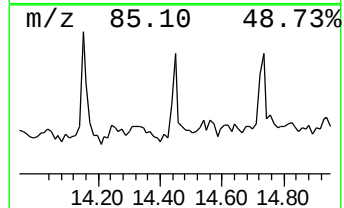
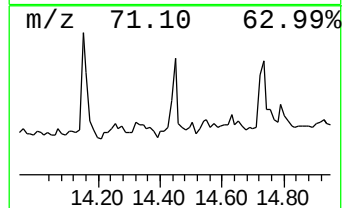
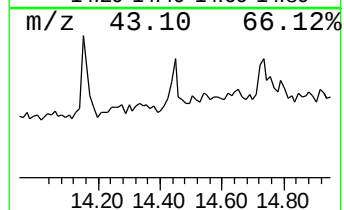
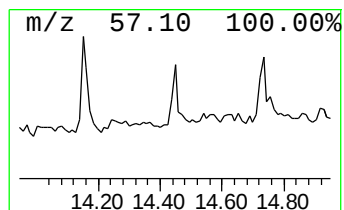
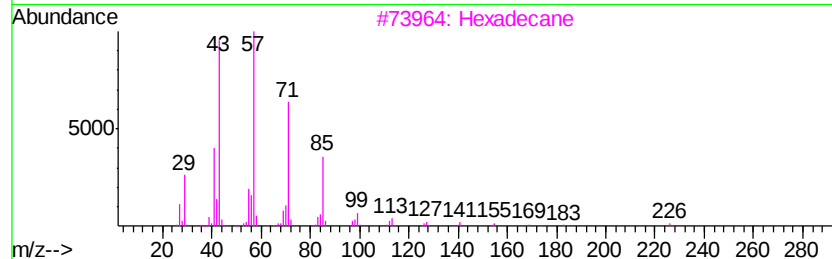
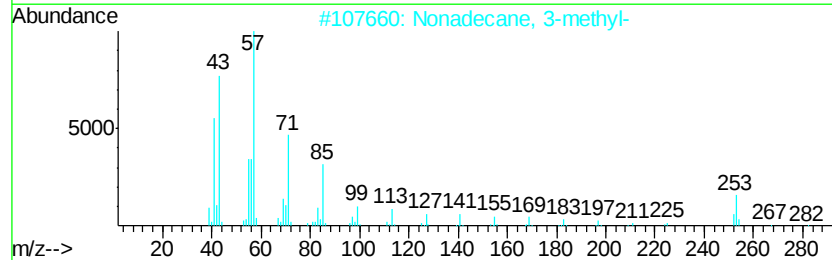
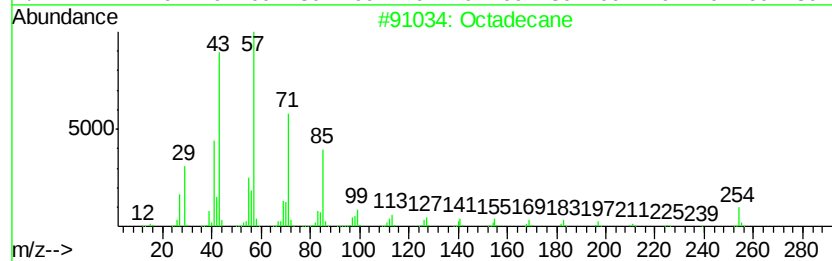
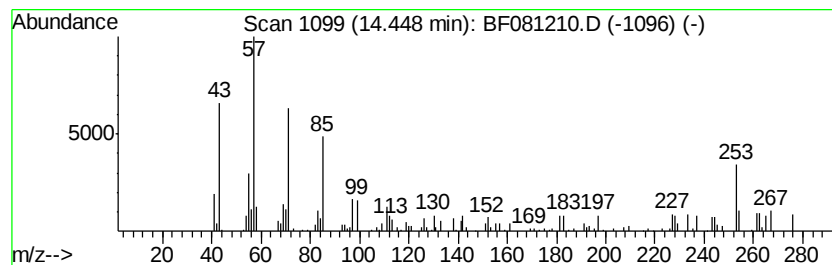
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ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 Octadecane Concentration Rank 10

| R.T.      | EstConc                | Area  | Relative to ISTD |             | R.T.  |
|-----------|------------------------|-------|------------------|-------------|-------|
| 14.45     | 3.36 ng                | 61513 | Perylene-d12     |             | 14.97 |
| Hit# of 5 | Tentative ID           | MW    | MolForm          | CAS#        | Qual  |
| 1         | Octadecane             | 254   | C18H38           | 000593-45-3 | 55    |
| 2         | Nonadecane, 3-methyl-  | 282   | C20H42           | 006418-45-7 | 53    |
| 3         | Hexadecane             | 226   | C16H34           | 000544-76-3 | 45    |
| 4         | Pentadecane, 2-methyl- | 226   | C16H34           | 001560-93-6 | 43    |
| 5         | Pentadecane            | 212   | C15H32           | 000629-62-9 | 38    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF082515\  
Data File : BF081210.D  
Acq On : 25 Aug 2015 21:08  
Operator : UM/IZ  
Sample : G3407-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
P003-BF001-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

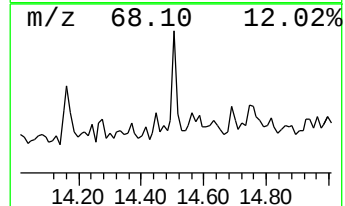
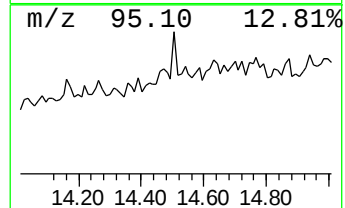
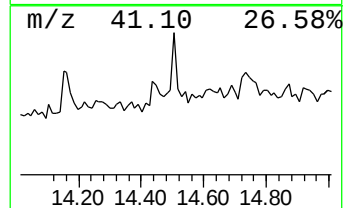
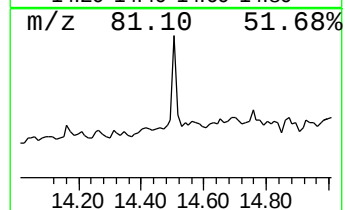
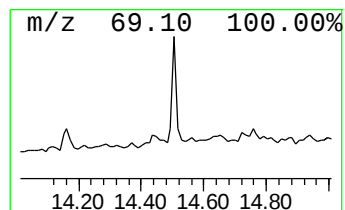
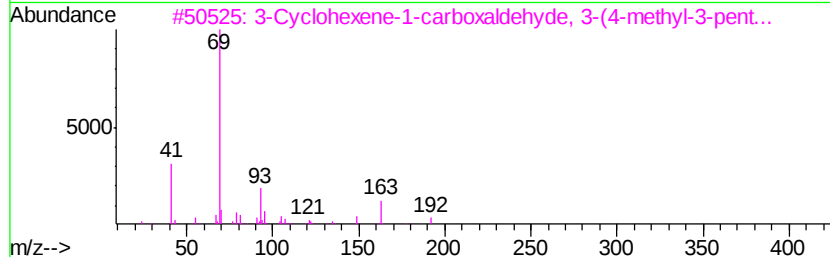
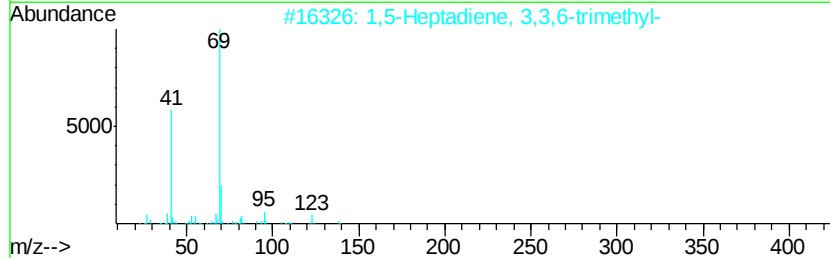
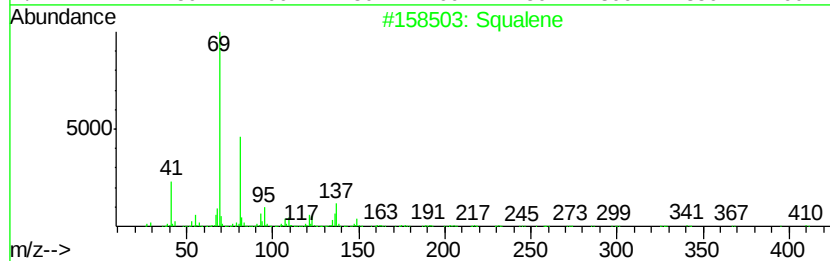
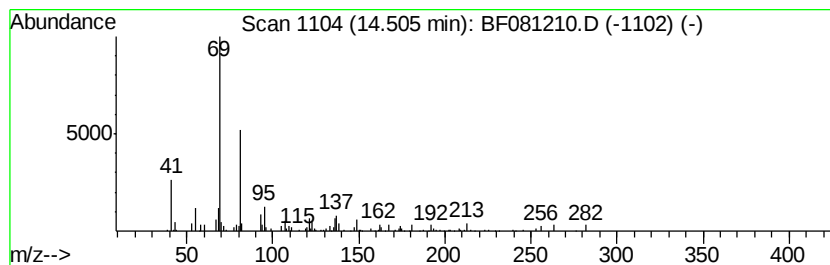
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 Squalene Concentration Rank 13

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 14.51 | 3.26 ng | 59717 | Perylene-d12     | 14.97 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Squalene                            | 410 | C30H50  | 007683-64-9 | 72   |
| 2    |    | 1,5-Heptadiene, 3,3,6-trimethyl-    | 138 | C10H18  | 035387-63-4 | 64   |
| 3    |    | 3-Cyclohexene-1-carboxaldehyde, ... | 192 | C13H20O | 052475-89-5 | 64   |
| 4    |    | 2,6-Octadiene, 4,5-dimethyl-        | 138 | C10H18  | 018476-57-8 | 50   |
| 5    |    | 2,6,10-Dodecatrien-1-ol, 3,7,11-... | 222 | C15H26O | 004602-84-0 | 50   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF082515\  
Data File : BF081210.D  
Acq On : 25 Aug 2015 21:08  
Operator : UM/IZ  
Sample : G3407-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
P003-BF001-01

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

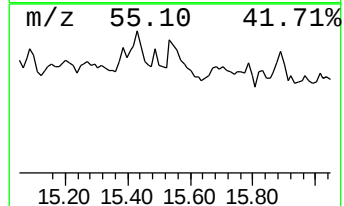
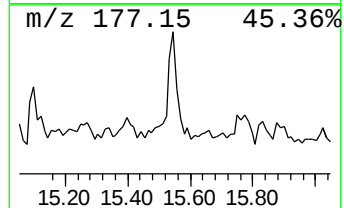
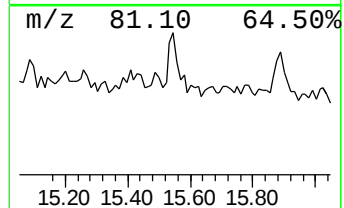
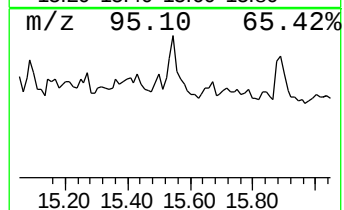
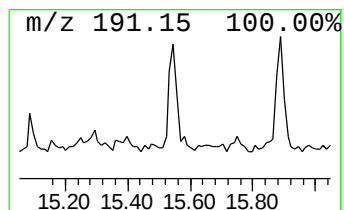
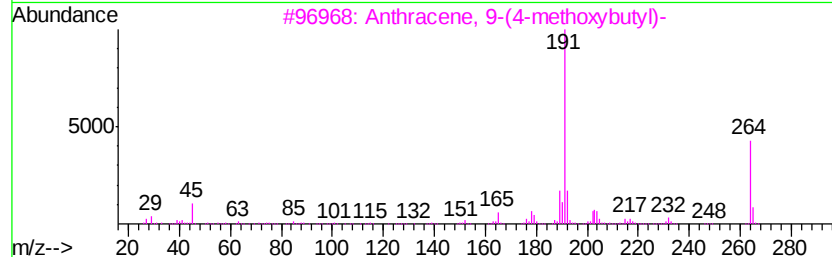
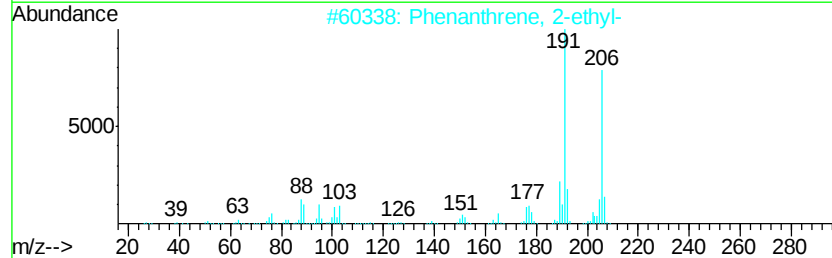
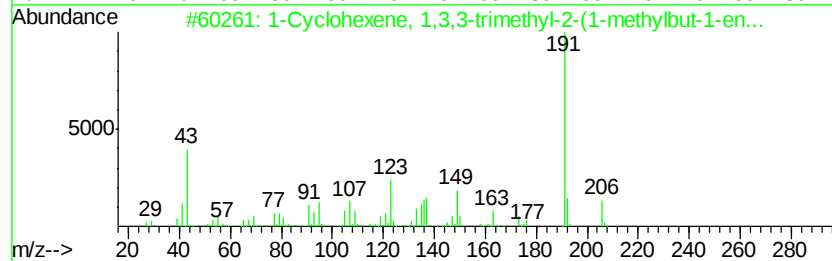
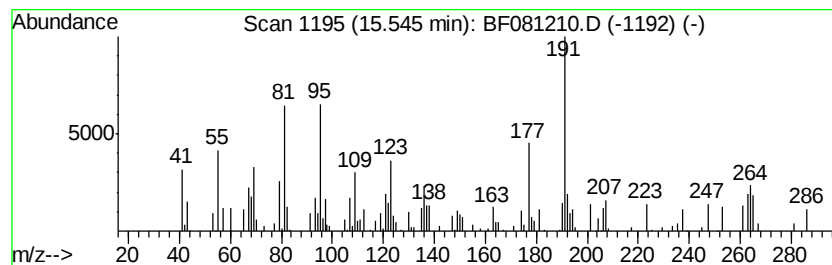
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 unknown15.55 Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.55 | 6.48 ng | 118750 | Perylene-d12     | 14.97 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | 1-Cyclohexene, 1,3,3-trimethyl-2... | 206 | C14H22O | 1000197-08-4 | 38   |
| 2    |    | Phenanthrene, 2-ethyl-              | 206 | C16H14  | 003674-74-6  | 27   |
| 3    |    | Anthracene, 9-(4-methoxybutyl)-     | 264 | C19H20O | 144000-76-0  | 27   |
| 4    |    | 1-Penten-3-one, 1-(2,6,6-trimeth... | 206 | C14H22O | 000127-43-5  | 25   |
| 5    |    | 9H-Fluorene-2-carbonitrile          | 191 | C14H9N  | 002523-48-0  | 22   |





Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF082515\  
Data File : BF081210.D  
Acq On : 25 Aug 2015 21:08  
Operator : UM/IZ  
Sample : G3407-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
P003-BF001-01

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

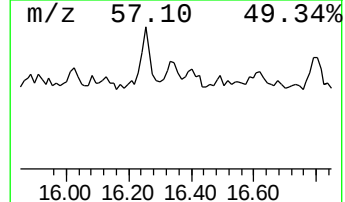
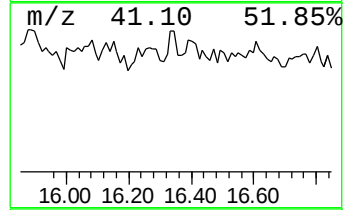
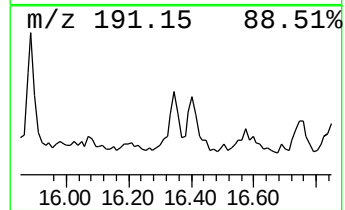
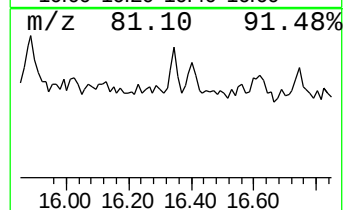
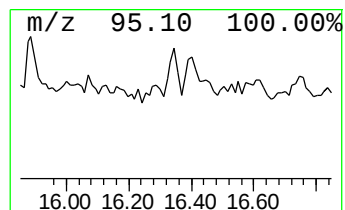
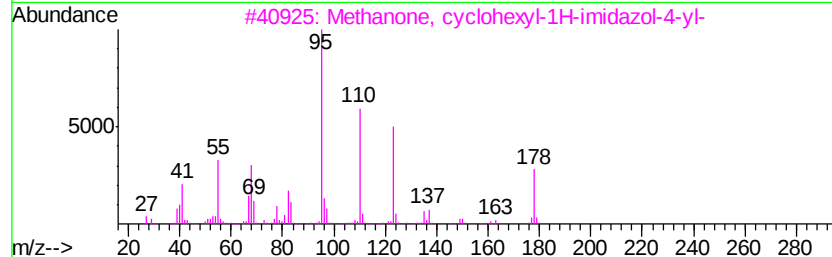
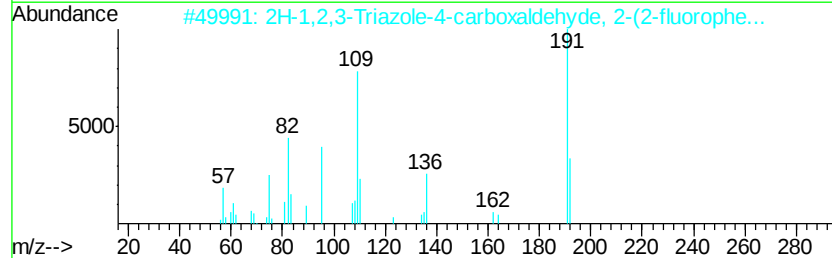
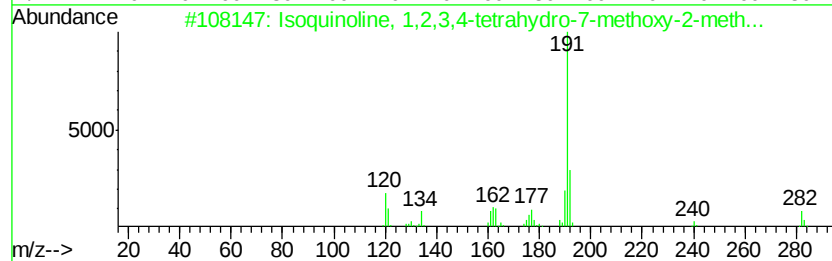
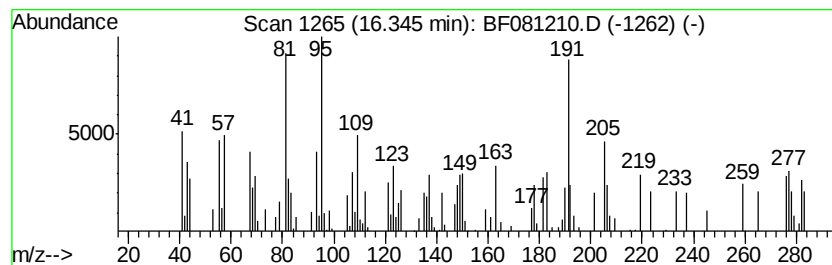
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 unknown16.35 Concentration Rank 14

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 16.35 | 2.80 ng | 51325 | Perylene-d12     | 14.97 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Isoquinoline, 1,2,3,4-tetrahydro... | 283 | C18H21N02 | 036646-87-4  | 27   |
| 2    |    | 2H-1,2,3-Triazole-4-carboxaldehy... | 191 | C9H6FN3O  | 051306-43-5  | 18   |
| 3    |    | Methanone, cyclohexyl-1H-imidazo... | 178 | C10H14N2O | 061985-29-3  | 15   |
| 4    |    | 5-(4-Nitro-phenylcarbamoyl)-1H-i... | 276 | C11H8N4O5 | 1000286-29-9 | 14   |
| 5    |    | 2,5,5,8a-Tetramethyl-4-methylene... | 206 | C14H22O   | 093175-76-9  | 11   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF082515\  
 Data File : BF081210.D  
 Acq On : 25 Aug 2015 21:08  
 Operator : UM/IZ  
 Sample : G3407-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P003-BF001-01

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... | 4.65  | 76.7    | ng    | 1729370  | 1                     | 6.53  | 451175 | 20.0 |
| 5-Octadecene, (E)-   | 11.28 | 5.2     | ng    | 148006   | 4                     | 11.03 | 566720 | 20.0 |
| Tridecanoic acid     | 11.59 | 5.7     | ng    | 160834   | 4                     | 11.03 | 566720 | 20.0 |
| unknown11.67         | 11.67 | 2.0     | ng    | 57827    | 4                     | 11.03 | 566720 | 20.0 |
| 3-Chloropropionic... | 12.09 | 11.5    | ng    | 325822   | 4                     | 11.03 | 566720 | 20.0 |
| 11H-Benzo[b]fluorene | 12.85 | 3.3     | ng    | 93661    | 5                     | 13.65 | 565805 | 20.0 |
| 3-Eicosene, (E)-     | 13.52 | 10.3    | ng    | 290210   | 5                     | 13.65 | 565805 | 20.0 |
| Pentafluoropropio... | 14.16 | 3.6     | ng    | 100786   | 5                     | 13.65 | 565805 | 20.0 |
| Octadecane           | 14.45 | 3.4     | ng    | 61513    | 6                     | 14.97 | 366572 | 20.0 |
| Squalene             | 14.51 | 3.3     | ng    | 59717    | 6                     | 14.97 | 366572 | 20.0 |
| unknown15.55         | 15.55 | 6.5     | ng    | 118750   | 6                     | 14.97 | 366572 | 20.0 |
| Isoquinoline, 1,2... | 15.89 | 3.3     | ng    | 59984    | 6                     | 14.97 | 366572 | 20.0 |
| unknown16.35         | 16.35 | 2.8     | ng    | 51325    | 6                     | 14.97 | 366572 | 20.0 |