

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051115\  
 Data File : BF079153.D  
 Acq On : 12 May 2015 10:57  
 Operator : TP/IZ  
 Sample : G2176-20  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PS-26(3-5)

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-BF043015.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         | 1.438       | 19            | 22          | 25           | rVB      | 4187852        | 4978648       | 100.00%         | 18.710%       |
| 2         | 1.575       | 31            | 34          | 37           | rVB      | 234543         | 352629        | 7.08%           | 1.325%        |
| 3         | 1.747       | 47            | 49          | 57           | rVV2     | 182631         | 407577        | 8.19%           | 1.532%        |
| 4         | 1.861       | 57            | 59          | 91           | rVB      | 1066934        | 1933063       | 38.83%          | 7.265%        |
| 5         | 5.084       | 339           | 341         | 348          | rVB      | 197229         | 249112        | 5.00%           | 0.936%        |
| 6         | 5.599       | 384           | 386         | 389          | rBV      | 931938         | 968121        | 19.45%          | 3.638%        |
| 7         | 6.867       | 494           | 497         | 499          | rBV      | 1406300        | 1398199       | 28.08%          | 5.254%        |
| 8         | 7.016       | 507           | 510         | 512          | rVB      | 1137791        | 1299509       | 26.10%          | 4.884%        |
| 9         | 7.302       | 532           | 535         | 537          | rBV      | 325055         | 356544        | 7.16%           | 1.340%        |
| 10        | 7.485       | 549           | 551         | 553          | rVB      | 1150086        | 1008719       | 20.26%          | 3.791%        |
| 11        | 7.988       | 593           | 595         | 598          | rVB      | 941557         | 826675        | 16.60%          | 3.107%        |
| 12        | 8.879       | 670           | 673         | 675          | rBV      | 475032         | 534589        | 10.74%          | 2.009%        |
| 13        | 9.645       | 737           | 740         | 742          | rBV      | 53221          | 60771         | 1.22%           | 0.228%        |
| 14        | 10.216      | 788           | 790         | 793          | rVB      | 1215399        | 1364650       | 27.41%          | 5.128%        |
| 15        | 10.731      | 833           | 835         | 837          | rBV2     | 55097          | 88296         | 1.77%           | 0.332%        |
| 16        | 11.005      | 857           | 859         | 861          | rBV      | 64141          | 58876         | 1.18%           | 0.221%        |
| 17        | 11.051      | 861           | 863         | 865          | rVV      | 607703         | 568839        | 11.43%          | 2.138%        |
| 18        | 11.634      | 911           | 914         | 916          | rVB      | 59949          | 65917         | 1.32%           | 0.248%        |
| 19        | 11.908      | 934           | 938         | 939          | rBV      | 41323          | 58646         | 1.18%           | 0.220%        |
| 20        | 12.034      | 946           | 949         | 952          | rVB      | 802312         | 803484        | 16.14%          | 3.020%        |
| 21        | 12.217      | 964           | 965         | 970          | rBV      | 80347          | 151976        | 3.05%           | 0.571%        |
| 22        | 12.777      | 1012          | 1014        | 1016         | rBV2     | 72550          | 110519        | 2.22%           | 0.415%        |
| 23        | 12.822      | 1016          | 1018        | 1020         | rVV      | 44036          | 60546         | 1.22%           | 0.228%        |
| 24        | 12.902      | 1022          | 1025        | 1026         | rBV      | 482825         | 614170        | 12.34%          | 2.308%        |
| 25        | 12.925      | 1026          | 1027        | 1029         | rVV      | 276976         | 235406        | 4.73%           | 0.885%        |
| 26        | 12.994      | 1029          | 1033        | 1037         | rVV      | 71519          | 104154        | 2.09%           | 0.391%        |
| 27        | 13.314      | 1059          | 1061        | 1063         | rBV      | 76739          | 75747         | 1.52%           | 0.285%        |
| 28        | 13.531      | 1077          | 1080        | 1081         | rBV      | 39848          | 63144         | 1.27%           | 0.237%        |
| 29        | 13.657      | 1089          | 1091        | 1093         | rBV3     | 36829          | 72393         | 1.45%           | 0.272%        |
| 30        | 13.828      | 1104          | 1106        | 1108         | rBV      | 85264          | 100809        | 2.02%           | 0.379%        |
| 31        | 13.897      | 1111          | 1112        | 1114         | rBV      | 31736          | 59536         | 1.20%           | 0.224%        |
| 32        | 14.022      | 1120          | 1123        | 1126         | rBV2     | 29024          | 64553         | 1.30%           | 0.243%        |
| 33        | 14.320      | 1147          | 1149        | 1151         | rBV      | 66504          | 97680         | 1.96%           | 0.367%        |
| 34        | 14.411      | 1154          | 1157        | 1158         | rBV      | 269568         | 331727        | 6.66%           | 1.247%        |

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BNA\_F  
ClientSampleId :  
PS-26(3-5)

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-BF043015.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 14.491 | 1162 | 1164 | 1166 | rBV  | 41194   | 64013   | 1.29%  | 0.241% |
| 36 | 14.582 | 1170 | 1172 | 1173 | rBV  | 41535   | 58196   | 1.17%  | 0.219% |
| 37 | 14.685 | 1179 | 1181 | 1183 | rVB  | 273576  | 333691  | 6.70%  | 1.254% |
| 38 | 14.777 | 1187 | 1189 | 1191 | rVV2 | 52088   | 71709   | 1.44%  | 0.269% |
| 39 | 14.891 | 1197 | 1199 | 1201 | rBV  | 1070428 | 1463037 | 29.39% | 5.498% |
| 40 | 15.040 | 1210 | 1212 | 1213 | rBV  | 64784   | 81352   | 1.63%  | 0.306% |
| 41 | 15.108 | 1216 | 1218 | 1219 | rVV  | 71741   | 75596   | 1.52%  | 0.284% |
| 42 | 15.394 | 1240 | 1243 | 1244 | rBV  | 102968  | 173946  | 3.49%  | 0.654% |
| 43 | 15.485 | 1249 | 1251 | 1252 | rBV2 | 76579   | 99442   | 2.00%  | 0.374% |
| 44 | 15.668 | 1265 | 1267 | 1269 | rBV2 | 161029  | 170261  | 3.42%  | 0.640% |
| 45 | 15.828 | 1278 | 1281 | 1284 | rBV3 | 134722  | 338568  | 6.80%  | 1.272% |
| 46 | 16.068 | 1299 | 1302 | 1303 | rBV2 | 215842  | 416645  | 8.37%  | 1.566% |
| 47 | 16.217 | 1313 | 1315 | 1317 | rBV2 | 566708  | 980956  | 19.70% | 3.686% |
| 48 | 16.663 | 1352 | 1354 | 1357 | rBV  | 257308  | 417433  | 8.38%  | 1.569% |
| 49 | 17.086 | 1388 | 1391 | 1394 | rBV  | 525692  | 1142797 | 22.95% | 4.295% |
| 50 | 18.080 | 1475 | 1478 | 1481 | rBV  | 575919  | 1196833 | 24.04% | 4.498% |

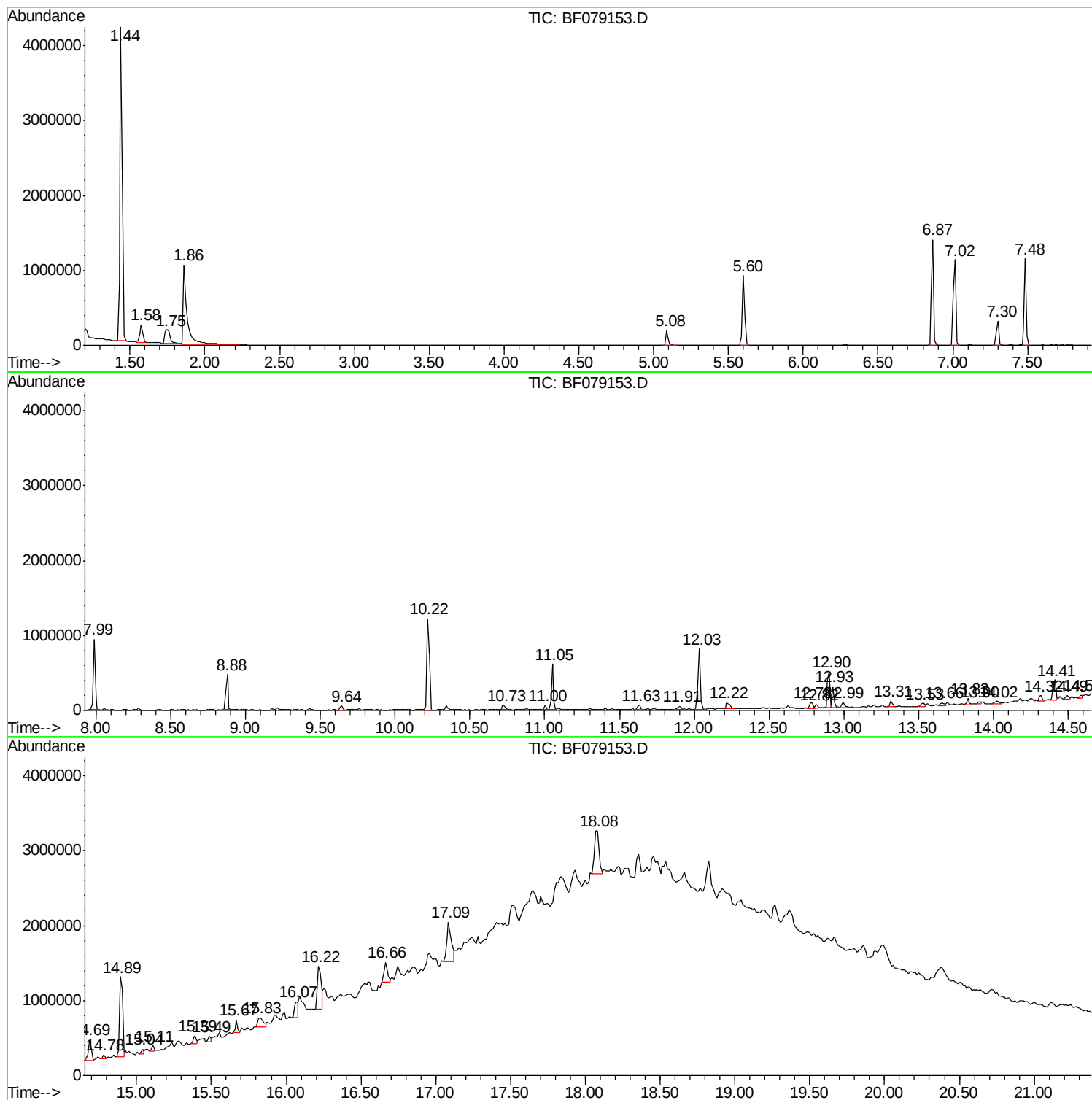
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PS-26(3-5)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.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\BF051115\  
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Misc :  
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Instrument :  
BNA\_F  
ClientSampleId :  
PS-26(3-5)

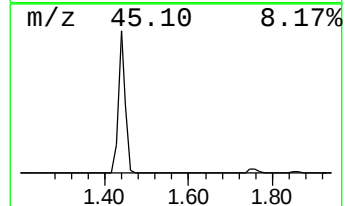
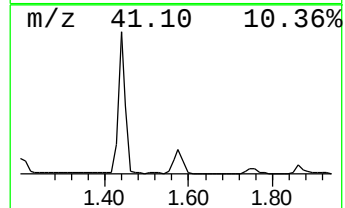
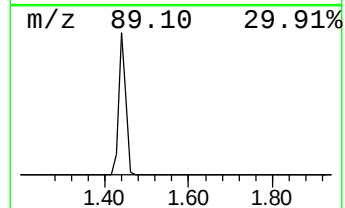
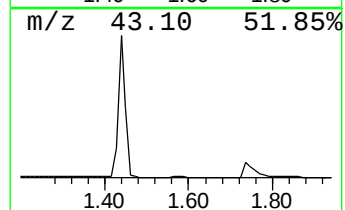
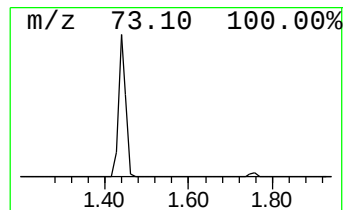
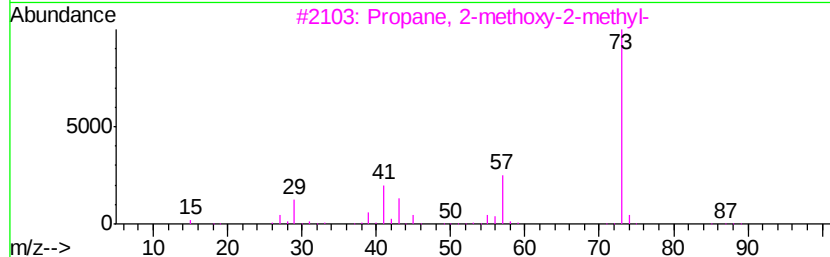
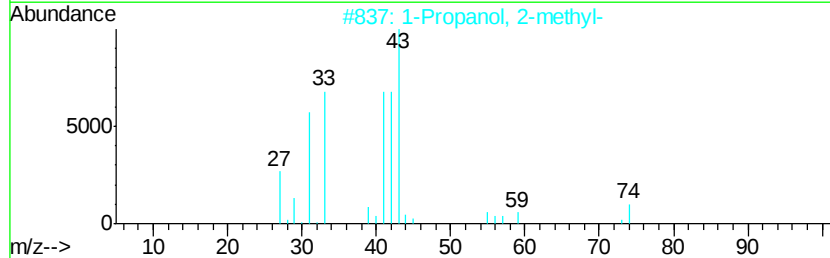
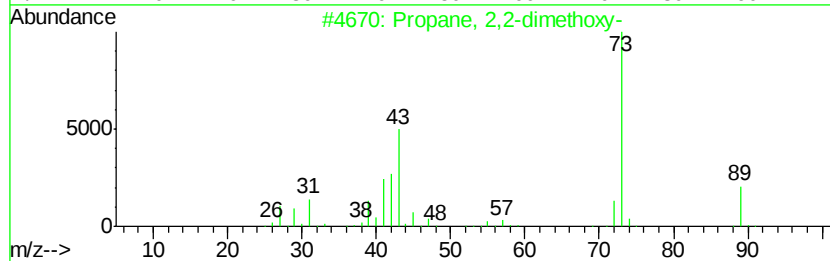
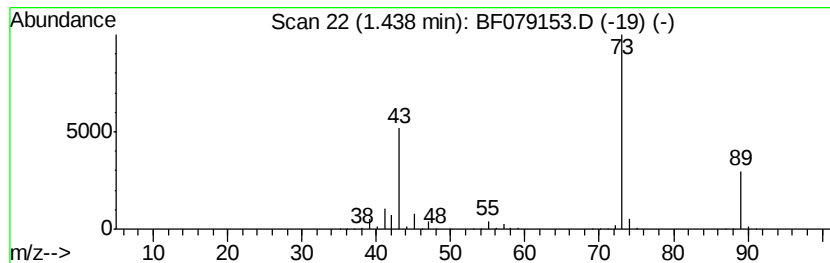
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 1.44 | 279.27 ng | 4978650 | 1,4-Dichlorobenzene-d4 | 7.30 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Propane, 2,2-dimethoxy-             | 104 | C5H12O2  | 000077-76-9 | 72   |
| 2    |    | 1-Propanol, 2-methyl-               | 74  | C4H10O   | 000078-83-1 | 9    |
| 3    |    | Propane, 2-methoxy-2-methyl-        | 88  | C5H12O   | 001634-04-4 | 9    |
| 4    |    | 2-Hydroxy-2-methylbutyric acid      | 118 | C5H10O3  | 003739-30-8 | 9    |
| 5    |    | 1-Hexen-4-ol, 1-chloro-3,5-dimet... | 162 | C8H15ClO | 100244-09-5 | 9    |



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ClientSampleId :  
PS-26(3-5)

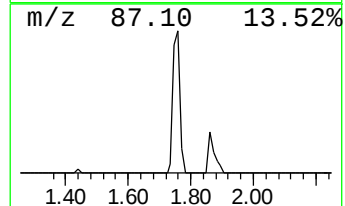
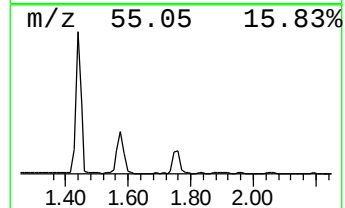
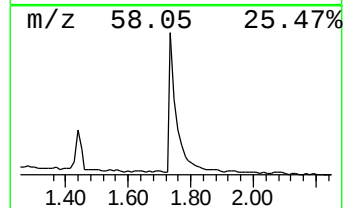
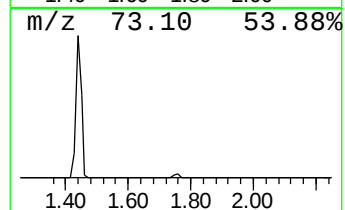
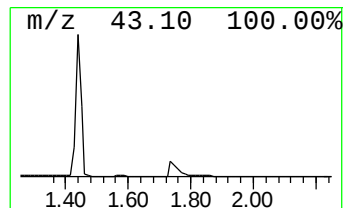
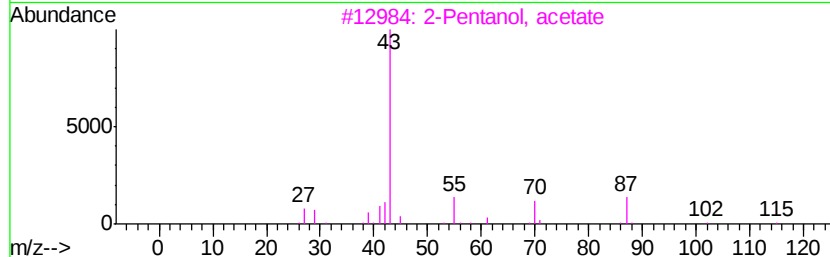
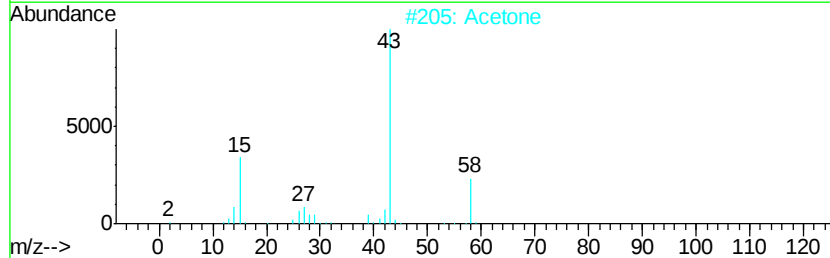
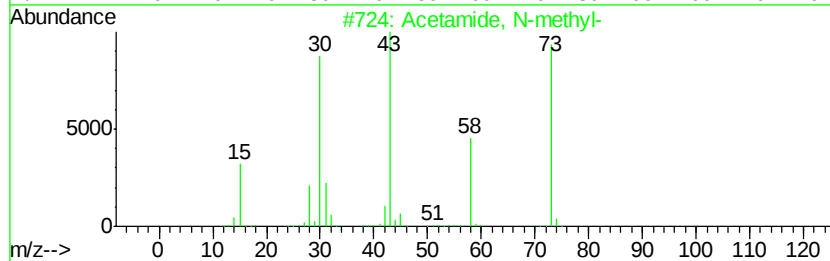
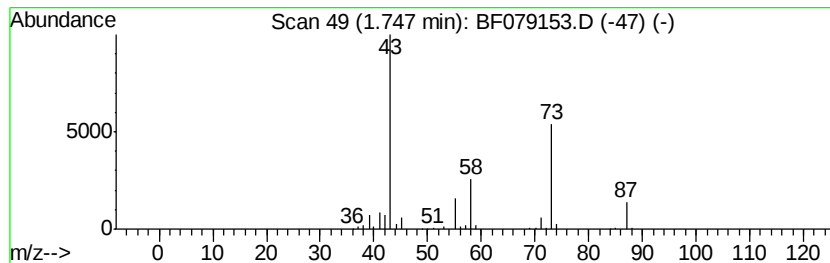
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 unknown1.75 Concentration Rank 6

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 1.75 | 22.86 ng | 407577 | 1,4-Dichlorobenzene-d4 | 7.30 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Acetamide, N-methyl-        | 73  | C3H7NO  | 000079-16-3 | 47   |
| 2    |    |   | Acetone                     | 58  | C3H6O   | 000067-64-1 | 37   |
| 3    |    |   | 2-Pentanol, acetate         | 130 | C7H14O2 | 000626-38-0 | 37   |
| 4    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 35   |
| 5    |    |   | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 9    |



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PS-26(3-5)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

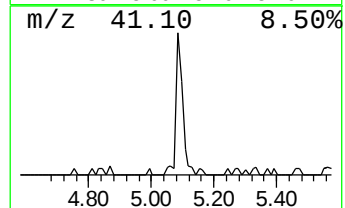
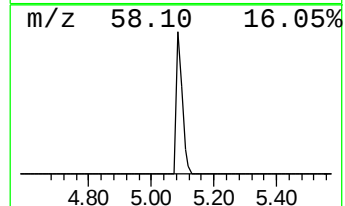
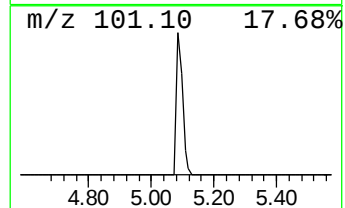
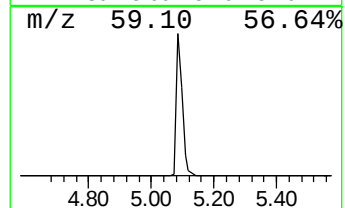
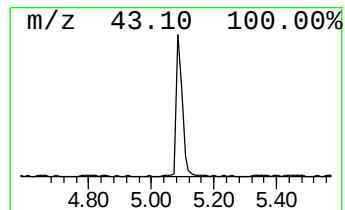
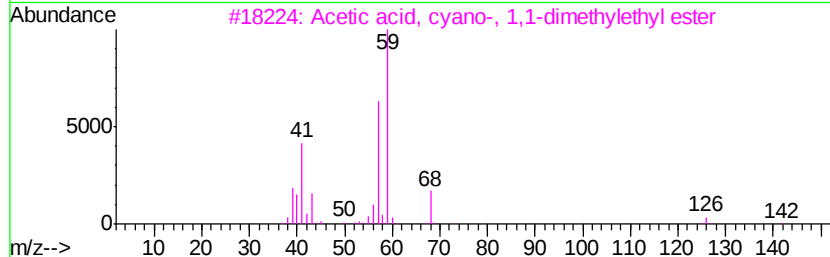
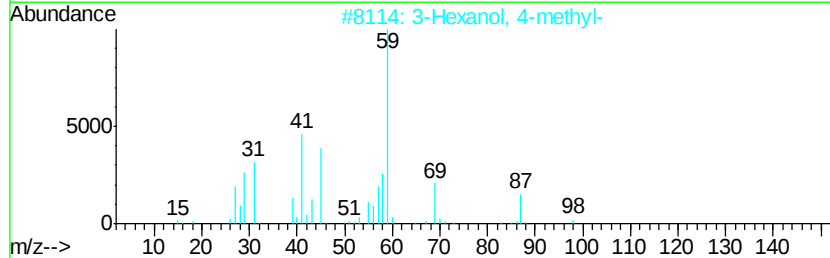
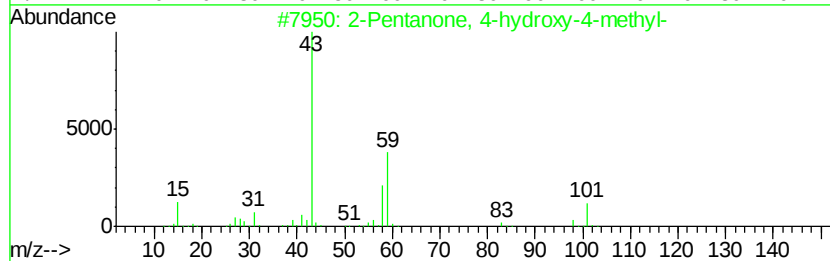
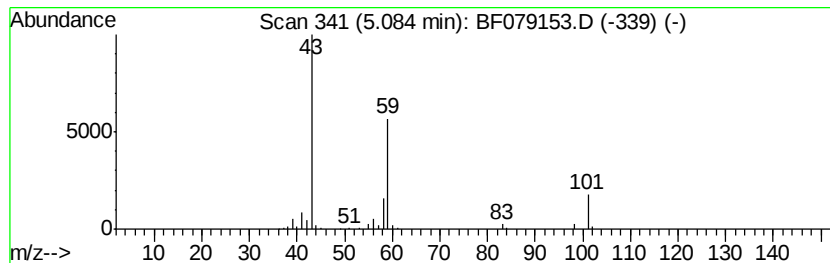
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.08 | 13.97 ng | 249112 | 1,4-Dichlorobenzene-d4 | 7.30 |

| Hit# | of                                   | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|--------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2      | 000123-42-2 | 59      |      |      |
| 2    | 3-Hexanol, 4-methyl-                 | 116 | C7H16O       | 000615-29-2 | 33      |      |      |
| 3    | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2     | 001116-98-9 | 23      |      |      |
| 4    | 2,3-Butanedione, monooxime           | 101 | C4H7NO2      | 000057-71-6 | 16      |      |      |
| 5    | 1-Propen-2-ol, acetate               | 100 | C5H8O2       | 000108-22-5 | 10      |      |      |



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BNA\_F  
ClientSampleId :  
PS-26(3-5)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

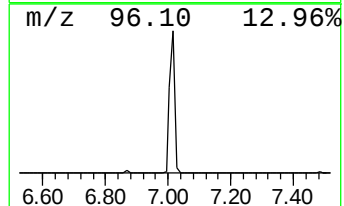
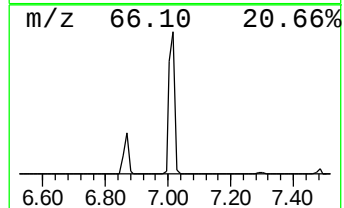
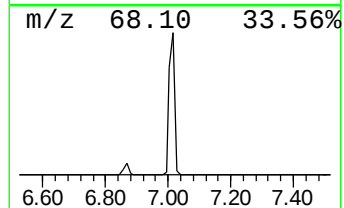
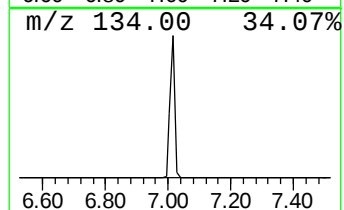
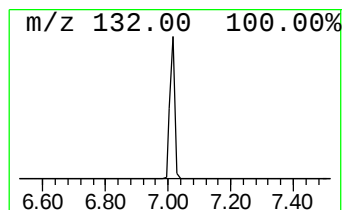
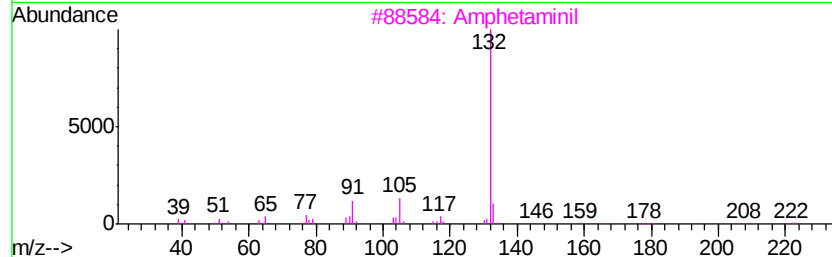
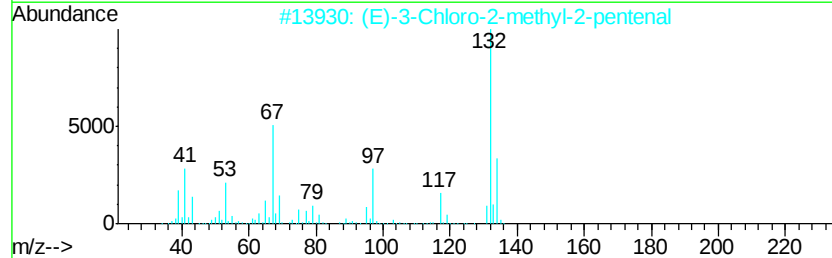
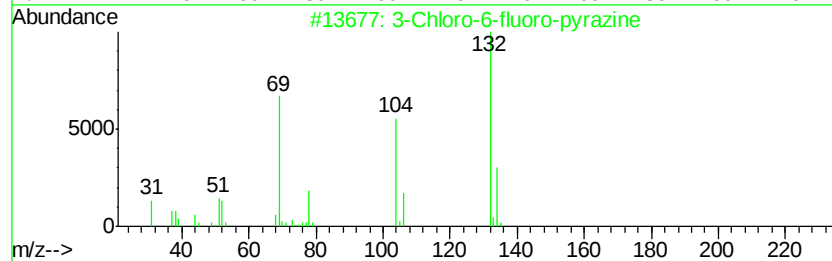
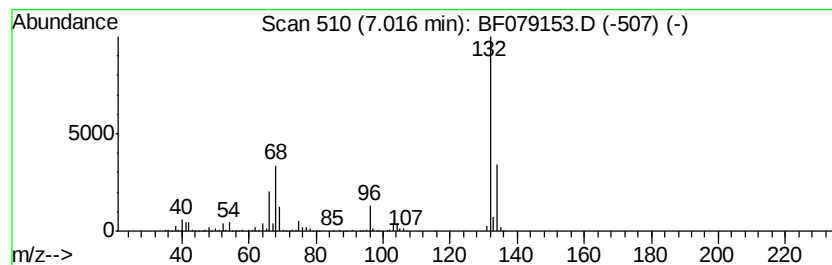
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 unknown7.02 Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.02 | 72.89 ng | 1299510 | 1,4-Dichlorobenzene-d4 | 7.30 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 38   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 25   |
| 3    |    | Amphetaminil                     | 250 | C17H18N2  | 017590-01-1  | 12   |
| 4    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 9    |
| 5    |    | 4-Chloro-2-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-00-5  | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF051115\  
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Operator : TP/IZ  
Sample : G2176-20  
Misc :  
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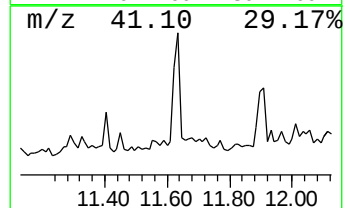
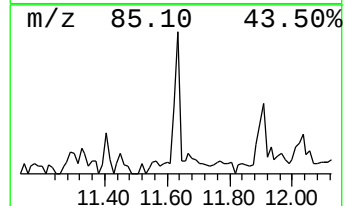
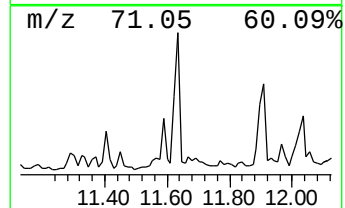
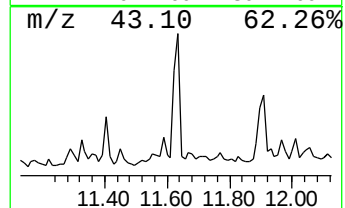
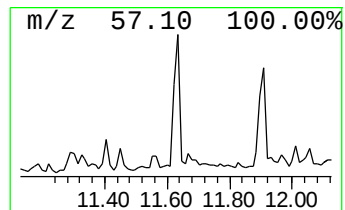
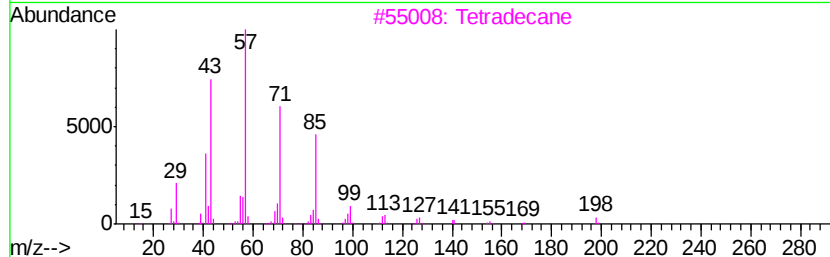
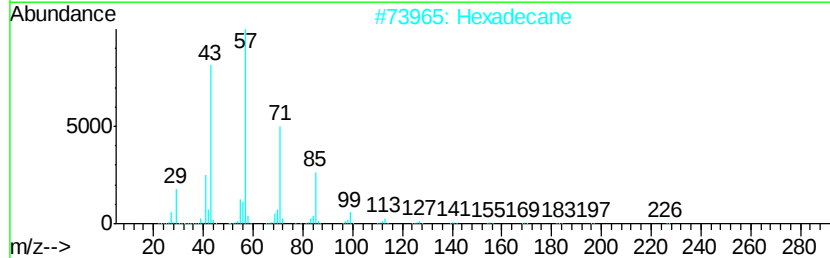
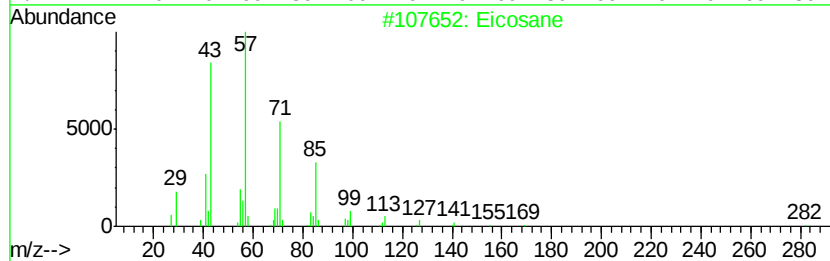
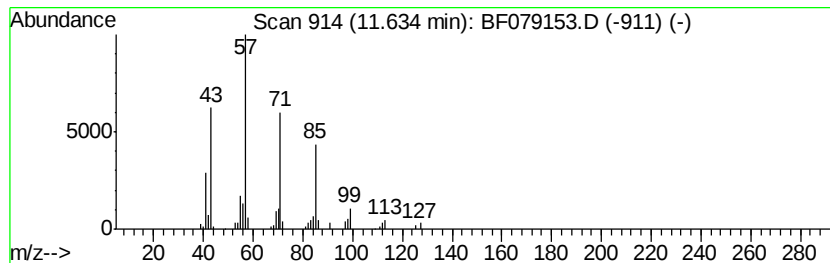
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PS-26(3-5)

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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 8 Eicosane Concentration Rank 20

| R.T.    | EstConc                | Area         | Relative to ISTD | R.T.      |
|---------|------------------------|--------------|------------------|-----------|
| 11.63   | 2.32 ng                | 65917        | Acenaphthene-d10 | 11.05     |
| Hit# of | 5                      | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Eicosane               | 282 C20H42   | 000112-95-8      | 91        |
| 2       | Hexadecane             | 226 C16H34   | 000544-76-3      | 90        |
| 3       | Tetradecane            | 198 C14H30   | 000629-59-4      | 86        |
| 4       | Pentadecane            | 212 C15H32   | 000629-62-9      | 86        |
| 5       | Heptacosane, 1-chloro- | 414 C27H55Cl | 062016-79-9      | 72        |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF051115\  
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Operator : TP/IZ  
Sample : G2176-20  
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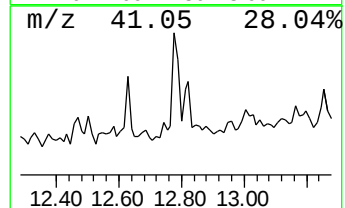
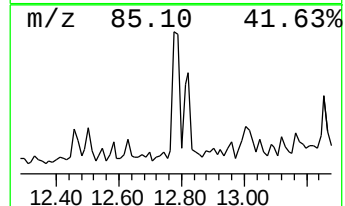
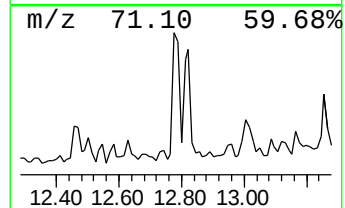
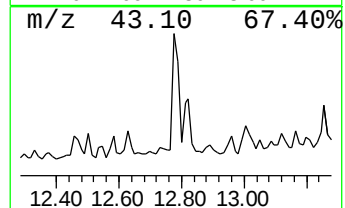
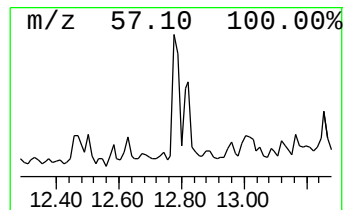
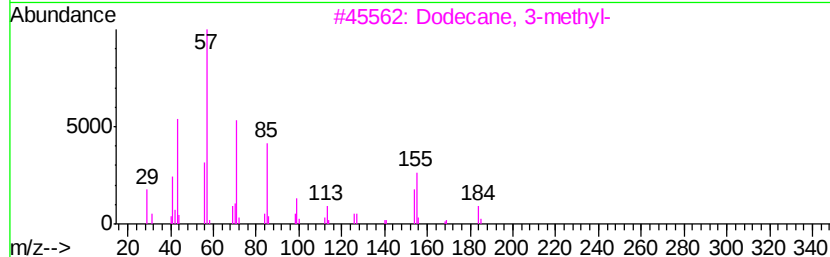
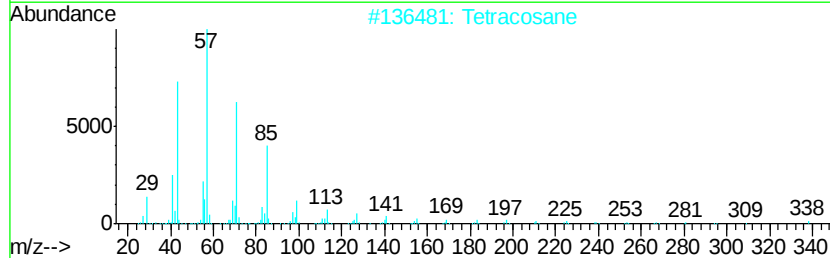
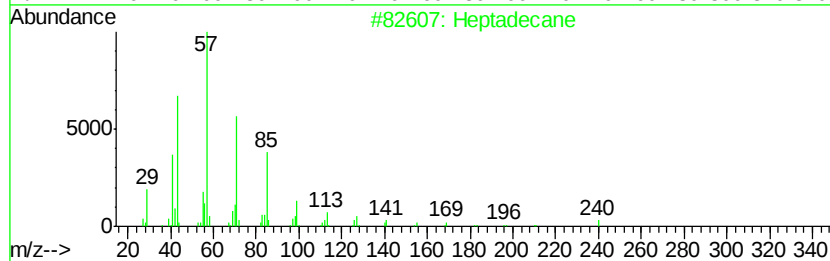
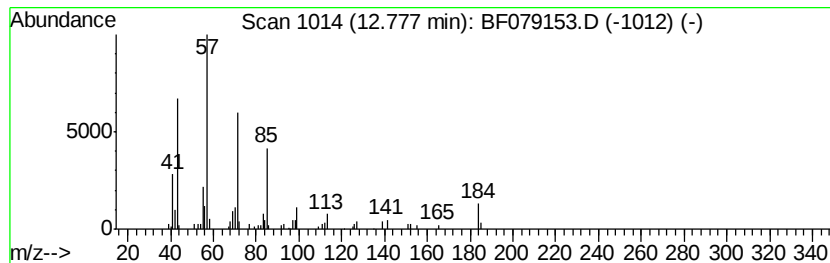
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 Heptadecane Concentration Rank 13

| R.T.      | EstConc             | Area   | Relative to ISTD | R.T.        |      |
|-----------|---------------------|--------|------------------|-------------|------|
| 12.78     | 3.60 ng             | 110519 | Phenanthrene-d10 | 12.90       |      |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#        | Qual |
| 1         | Heptadecane         | 240    | C17H36           | 000629-78-7 | 87   |
| 2         | Tetracosane         | 338    | C24H50           | 000646-31-1 | 87   |
| 3         | Dodecane, 3-methyl- | 184    | C13H28           | 017312-57-1 | 87   |
| 4         | Octadecane          | 254    | C18H38           | 000593-45-3 | 86   |
| 5         | Tridecane           | 184    | C13H28           | 000629-50-5 | 86   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF051115\  
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Acq On : 12 May 2015 10:57  
Operator : TP/IZ  
Sample : G2176-20  
Misc :  
ALS Vial : 42 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
PS-26(3-5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

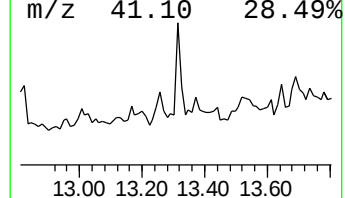
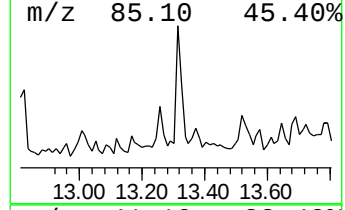
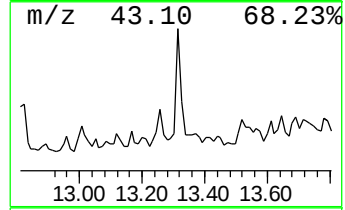
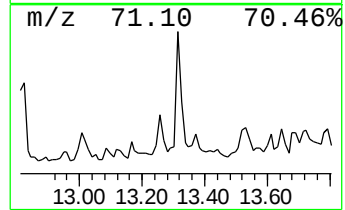
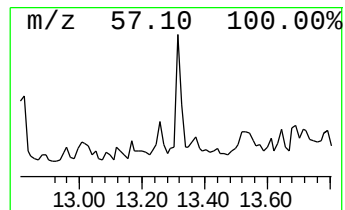
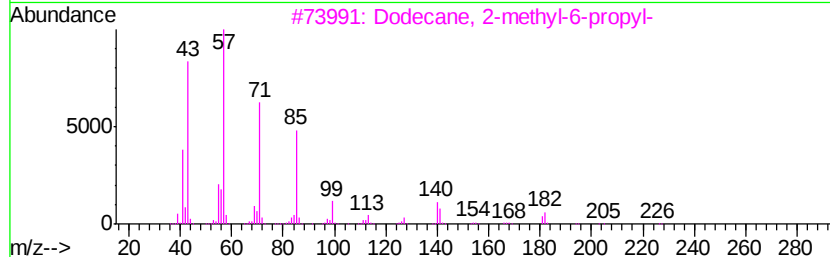
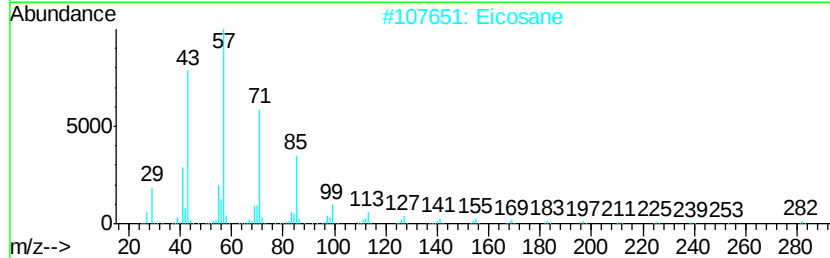
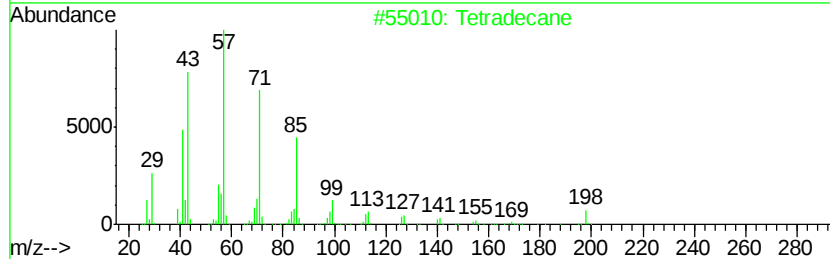
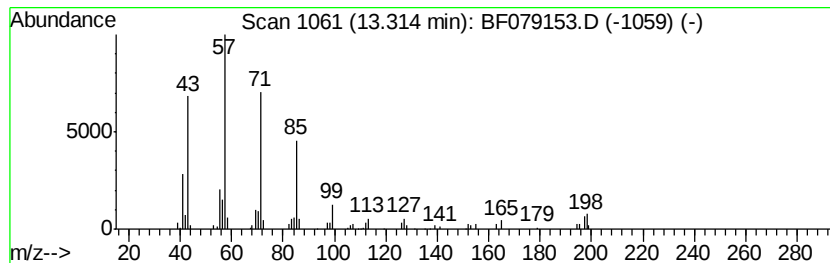
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 Tetradecane Concentration Rank 18

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 13.31 | 2.47 ng | 75747 | Phenanthrene-d10 | 12.90 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Tetradecane                  | 198 | C14H30  | 000629-59-4 | 93   |
| 2    |    | Eicosane                     | 282 | C20H42  | 000112-95-8 | 80   |
| 3    |    | Dodecane, 2-methyl-6-propyl- | 226 | C16H34  | 055045-08-4 | 72   |
| 4    |    | Pentadecane                  | 212 | C15H32  | 000629-62-9 | 72   |
| 5    |    | Dodecane, 1-iodo-            | 296 | C12H25I | 004292-19-7 | 72   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF051115\  
Data File : BF079153.D  
Acq On : 12 May 2015 10:57  
Operator : TP/IZ  
Sample : G2176-20  
Misc :  
ALS Vial : 42 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
PS-26(3-5)

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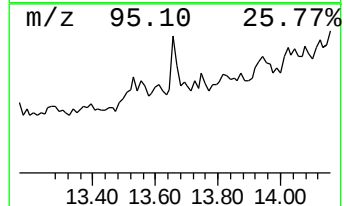
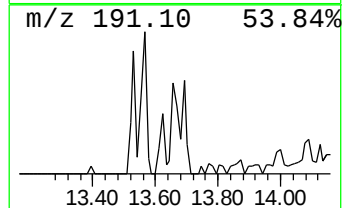
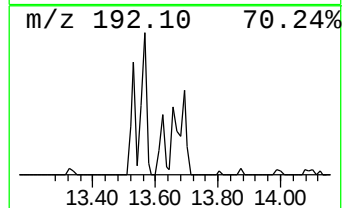
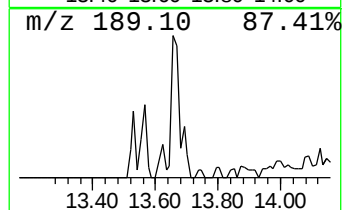
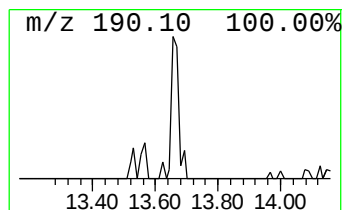
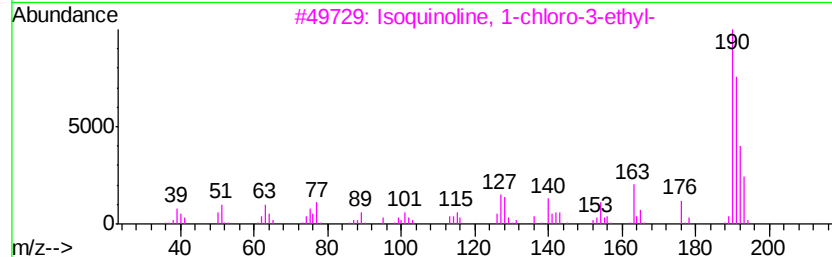
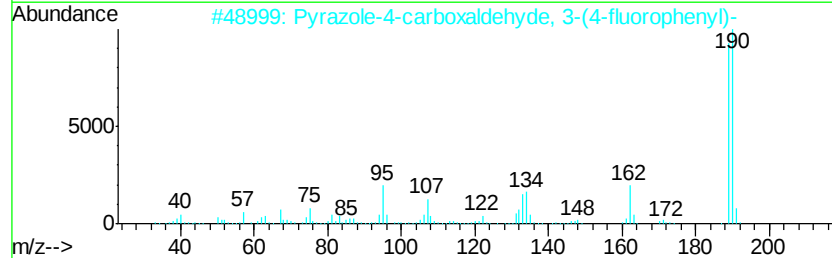
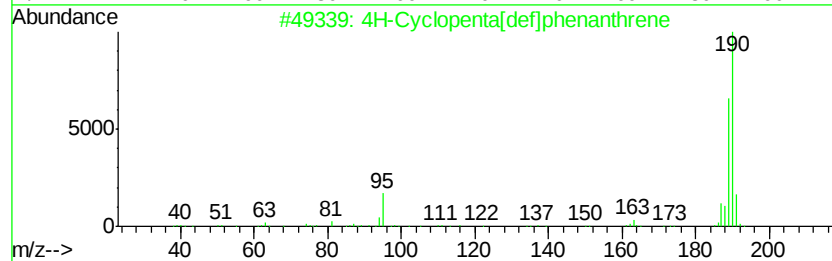
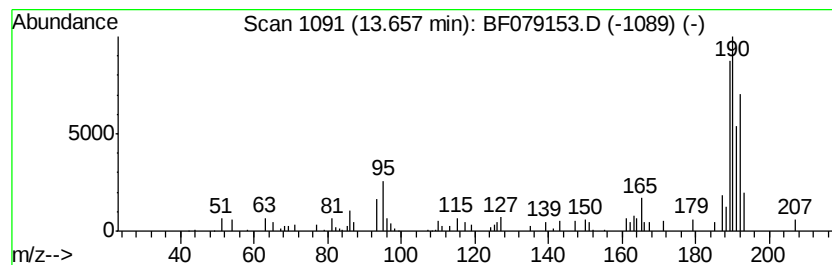
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TIC Integration Parameters: LSCINT.P

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Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 19

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 13.66 | 2.36 ng | 72393 | Phenanthrene-d10 | 12.90 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10    | 000203-64-5 | 50   |
| 2    |    | Pyrazole-4-carboxaldehyde, 3-(4-... | 190 | C10H7FN2O | 306936-57-2 | 43   |
| 3    |    | Isoquinoline, 1-chloro-3-ethyl-     | 191 | C11H10ClN | 055150-52-2 | 43   |
| 4    |    | Phenanthrene, 4-methyl-             | 192 | C15H12    | 000832-64-4 | 30   |
| 5    |    | Phenanthrene, 2-methyl-             | 192 | C15H12    | 002531-84-2 | 25   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF051115\  
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Operator : TP/IZ  
Sample : G2176-20  
Misc :  
ALS Vial : 42 Sample Multiplier: 1

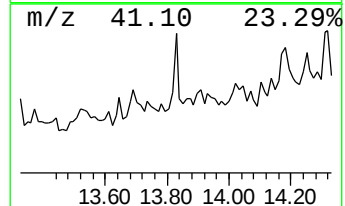
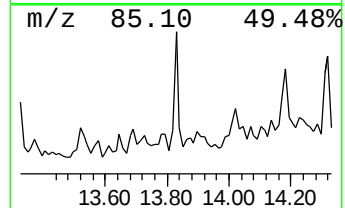
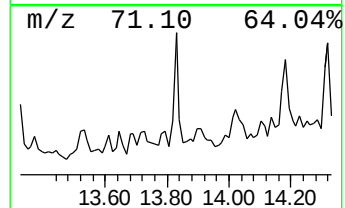
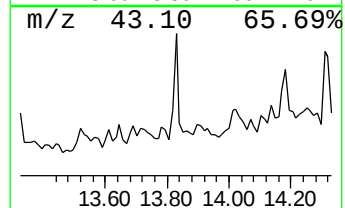
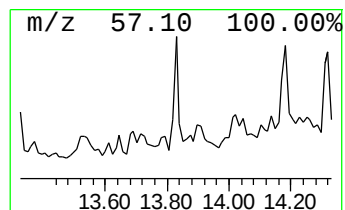
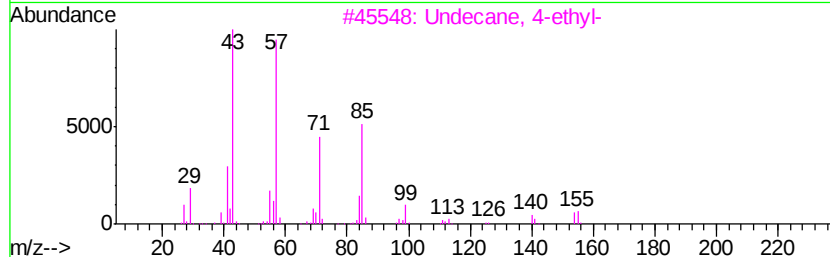
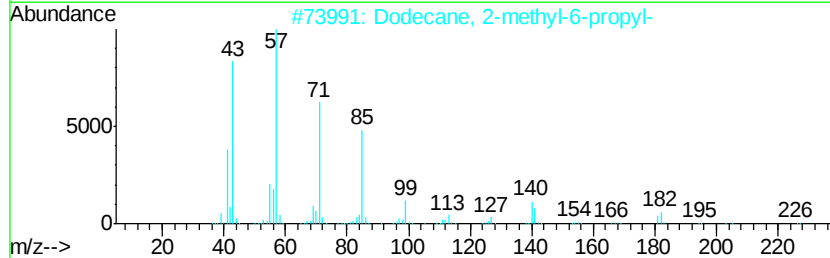
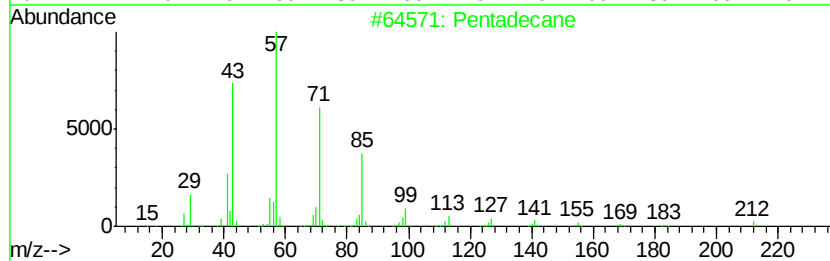
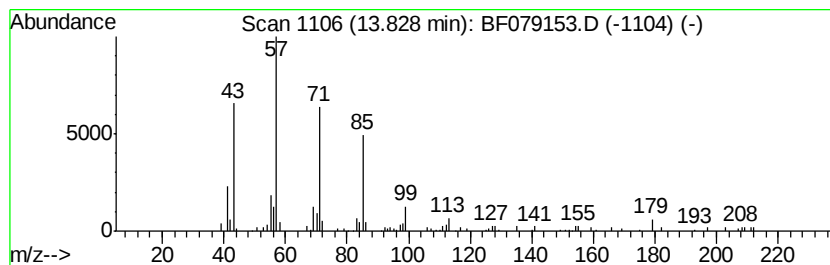
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ClientSampleId :  
PS-26(3-5)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.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 Pentadecane Concentration Rank 16

| R.T.  | EstConc | Area   | Relative to ISTD             |     | R.T.    |             |      |
|-------|---------|--------|------------------------------|-----|---------|-------------|------|
| 13.83 | 3.28 ng | 100809 | Phenanthrene-d10             |     | 12.90   |             |      |
| Hit#  | of      | 5      | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
| 1     |         |        | Pentadecane                  | 212 | C15H32  | 000629-62-9 | 93   |
| 2     |         |        | Dodecane, 2-methyl-6-propyl- | 226 | C16H34  | 055045-08-4 | 80   |
| 3     |         |        | Undecane, 4-ethyl-           | 184 | C13H28  | 017312-59-3 | 72   |
| 4     |         |        | Eicosane                     | 282 | C20H42  | 000112-95-8 | 68   |
| 5     |         |        | Heptacosane                  | 380 | C27H56  | 000593-49-7 | 64   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF051115\  
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Sample : G2176-20  
Misc :  
ALS Vial : 42 Sample Multiplier: 1

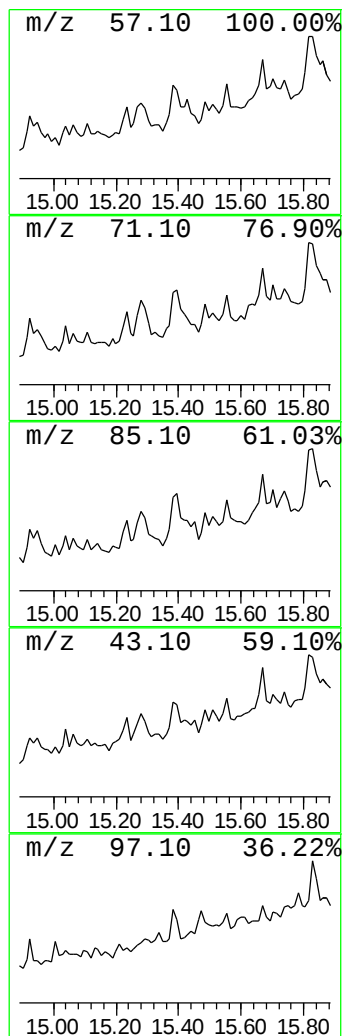
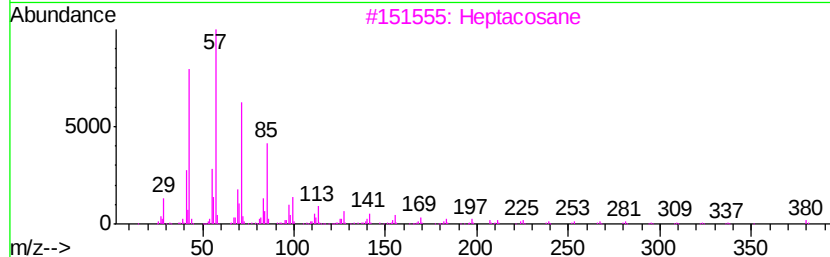
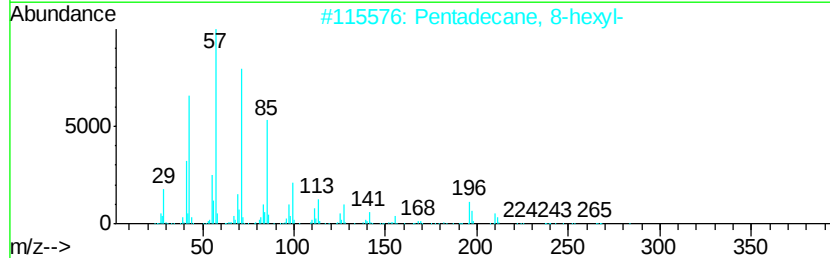
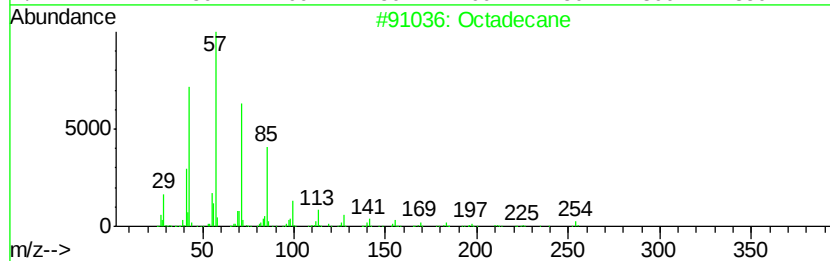
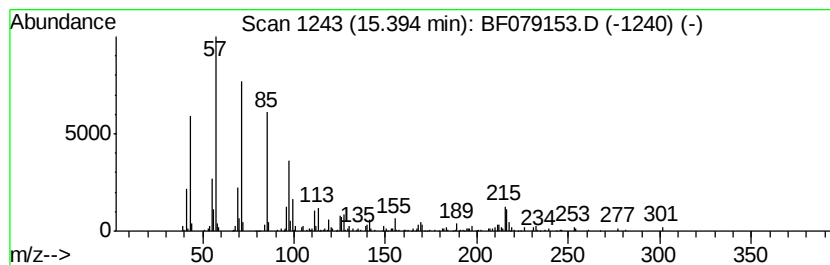
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PS-26(3-5)

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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 15 Octadecane Concentration Rank 14

| R.T.  | EstConc | Area   | Relative to ISTD      |     | R.T.    |             |      |
|-------|---------|--------|-----------------------|-----|---------|-------------|------|
| 15.39 | 3.55 ng | 173946 | Chrysene-d12          |     | 16.22   |             |      |
| Hit#  | of      | 5      | Tentative ID          | MW  | MolForm | CAS#        | Qual |
| 1     |         |        | Octadecane            | 254 | C18H38  | 000593-45-3 | 86   |
| 2     |         |        | Pentadecane, 8-hexyl- | 296 | C21H44  | 013475-75-7 | 72   |
| 3     |         |        | Heptacosane           | 380 | C27H56  | 000593-49-7 | 72   |
| 4     |         |        | Docosane              | 310 | C22H46  | 000629-97-0 | 64   |
| 5     |         |        | Eicosane              | 282 | C20H42  | 000112-95-8 | 64   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF051115\  
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Misc :  
ALS Vial : 42 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PS-26(3-5)

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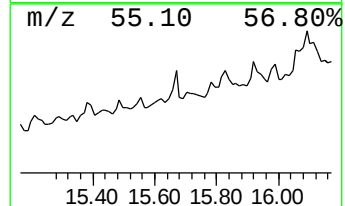
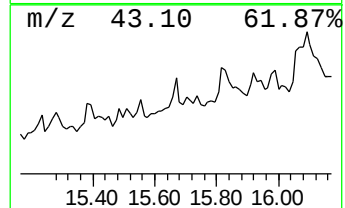
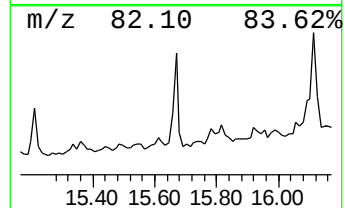
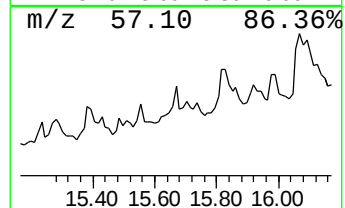
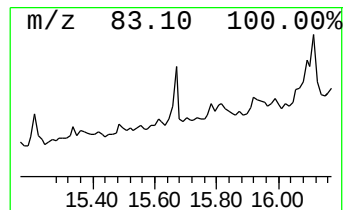
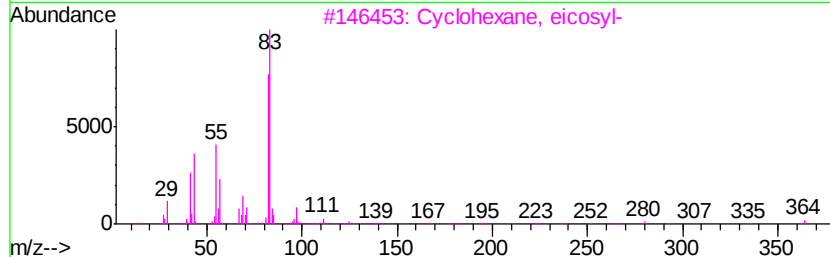
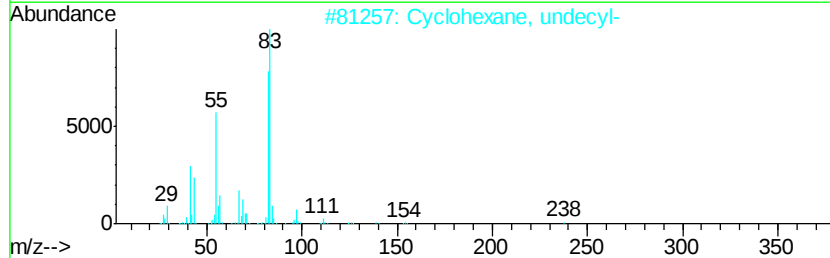
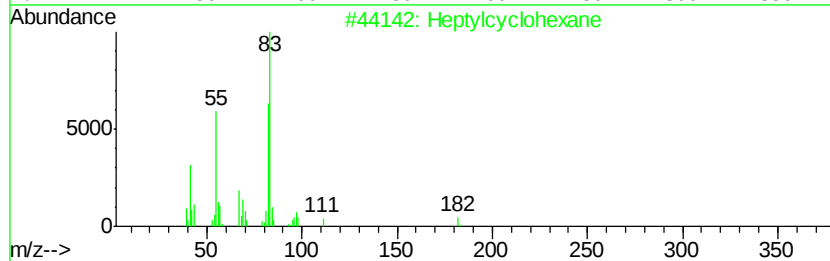
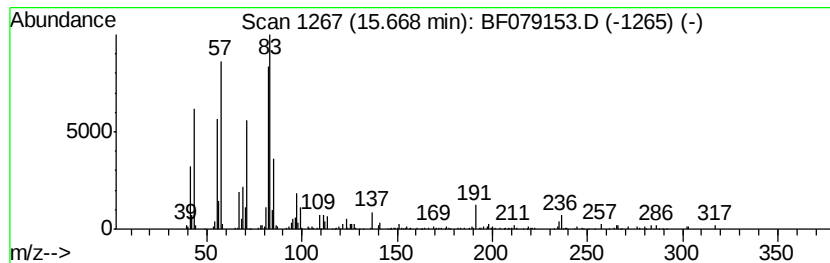
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 Heptylcyclohexane Concentration Rank 15

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.67 | 3.47 ng | 170261 | Chrysene-d12     | 16.22 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptylcyclohexane                  | 182 | C13H26  | 005617-41-4 | 64   |
| 2    |    | Cyclohexane, undecyl-              | 238 | C17H34  | 054105-66-7 | 64   |
| 3    |    | Cyclohexane, eicosyl-              | 364 | C26H52  | 004443-55-4 | 58   |
| 4    |    | Tetradecane                        | 198 | C14H30  | 000629-59-4 | 53   |
| 5    |    | Cyclohexane, 1,1'-(1,5-pentaned... | 236 | C17H32  | 054833-31-7 | 52   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051115\  
Data File : BF079153.D  
Acq On : 12 May 2015 10:57  
Operator : TP/IZ  
Sample : G2176-20  
Misc :  
ALS Vial : 42 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PS-26(3-5)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

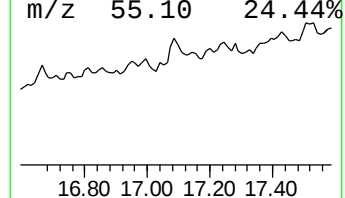
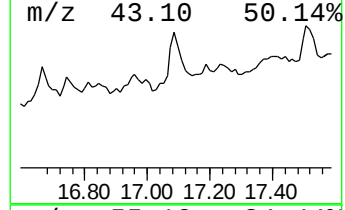
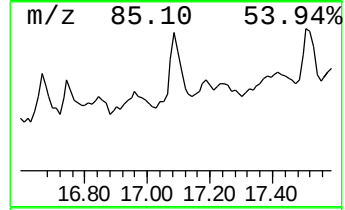
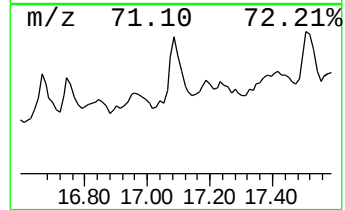
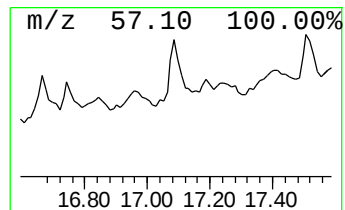
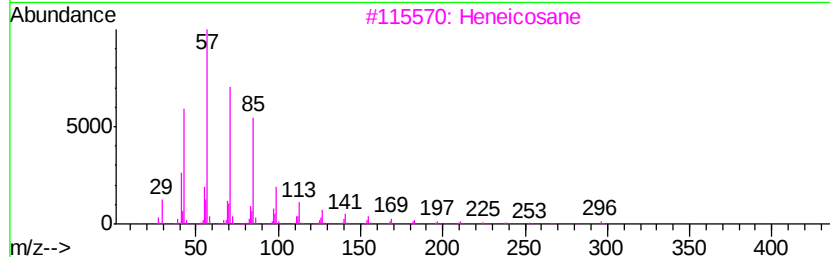
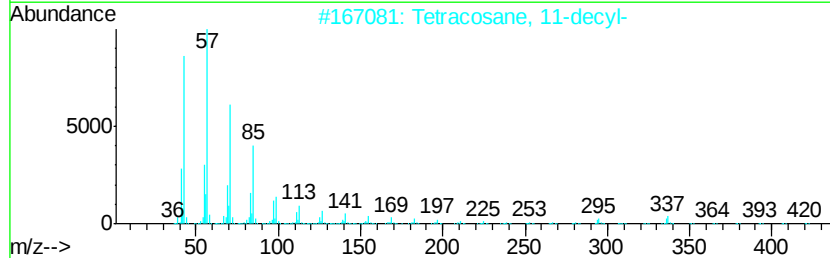
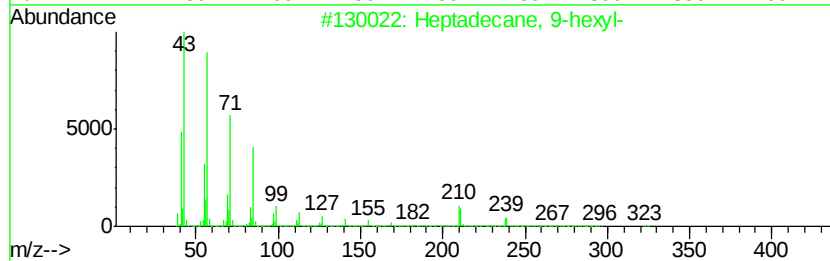
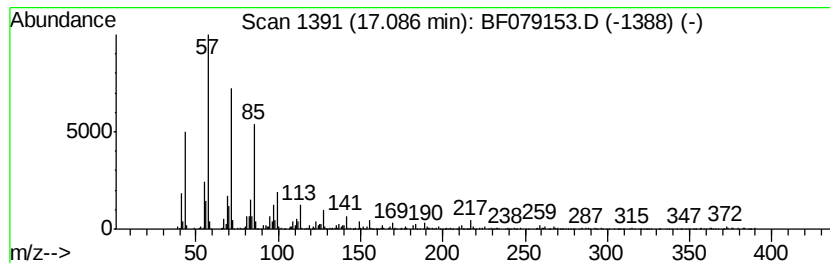
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Heptadecane, 9-hexyl- Concentration Rank 5

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 17.09 | 23.30 ng | 1142800 | Chrysene-d12     | 16.22 |

| Hit# of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|---------|---|------------------------|-----|---------|-------------|------|
| 1       |   | Heptadecane, 9-hexyl-  | 324 | C23H48  | 055124-79-3 | 94   |
| 2       |   | Tetracosane, 11-decyl- | 479 | C34H70  | 055429-84-0 | 91   |
| 3       |   | Heneicosane            | 296 | C21H44  | 000629-94-7 | 91   |
| 4       |   | Heptadecane, 9-octyl-  | 352 | C25H52  | 007225-64-1 | 91   |
| 5       |   | Heptacosane            | 380 | C27H56  | 000593-49-7 | 91   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF051115\  
 Data File : BF079153.D  
 Acq On : 12 May 2015 10:57  
 Operator : TP/IZ  
 Sample : G2176-20  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PS-26(3-5)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.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 |
| Propane, 2,2-dime... | 1.44  | 279.3   | ng    | 4978650  | 1                     | 7.30  | 356544 | 20.0 |
| unknown1.75          | 1.75  | 22.9    | ng    | 407577   | 1                     | 7.30  | 356544 | 20.0 |
| 2-Pentanone, 4-hy... | 5.08  | 14.0    | ng    | 249112   | 1                     | 7.30  | 356544 | 20.0 |
| unknown7.02          | 7.02  | 72.9    | ng    | 1299510  | 1                     | 7.30  | 356544 | 20.0 |
| Eicosane             | 11.63 | 2.3     | ng    | 65917    | 3                     | 11.05 | 568839 | 20.0 |
| Heptadecane          | 12.78 | 3.6     | ng    | 110519   | 4                     | 12.90 | 614170 | 20.0 |
| Tetradecane          | 13.31 | 2.5     | ng    | 75747    | 4                     | 12.90 | 614170 | 20.0 |
| 4H-Cyclopenta[def... | 13.66 | 2.4     | ng    | 72393    | 4                     | 12.90 | 614170 | 20.0 |
| Pentadecane          | 13.83 | 3.3     | ng    | 100809   | 4                     | 12.90 | 614170 | 20.0 |
| Octadecane           | 15.39 | 3.5     | ng    | 173946   | 5                     | 16.22 | 980956 | 20.0 |
| Heptylcyclohexane    | 15.67 | 3.5     | ng    | 170261   | 5                     | 16.22 | 980956 | 20.0 |
| Heptadecane, 9-he... | 17.09 | 23.3    | ng    | 1142800  | 5                     | 16.22 | 980956 | 20.0 |