

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF090115\  
 Data File : BF081320.D  
 Acq On : 1 Sep 2015 23:42  
 Operator : UM/IZ  
 Sample : G3479-05  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COFF-3-3(0-2)

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-BF090115.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         | 4.456       | 247           | 251         | 263          | rVB      | 605113         | 1191794       | 56.60%          | 7.113%        |
| 2         | 4.936       | 291           | 293         | 296          | rBV      | 1286481        | 1764242       | 83.78%          | 10.530%       |
| 3         | 6.056       | 388           | 391         | 393          | rBV      | 1622178        | 2105728       | 100.00%         | 12.568%       |
| 4         | 6.147       | 397           | 399         | 402          | rBV      | 1294104        | 1762807       | 83.71%          | 10.521%       |
| 5         | 6.387       | 418           | 420         | 422          | rBV      | 429883         | 376600        | 17.88%          | 2.248%        |
| 6         | 6.536       | 431           | 433         | 436          | rBV      | 872064         | 1194565       | 56.73%          | 7.130%        |
| 7         | 6.959       | 468           | 470         | 473          | rBV      | 911342         | 1106465       | 52.55%          | 6.604%        |
| 8         | 7.679       | 530           | 533         | 535          | rBV      | 473302         | 488702        | 23.21%          | 2.917%        |
| 9         | 8.753       | 624           | 627         | 630          | rBV      | 1228390        | 1664618       | 79.05%          | 9.935%        |
| 10        | 9.165       | 660           | 663         | 665          | rBV      | 288368         | 309254        | 14.69%          | 1.846%        |
| 11        | 9.416       | 682           | 685         | 687          | rVB      | 594304         | 528758        | 25.11%          | 3.156%        |
| 12        | 10.193      | 751           | 753         | 756          | rBV2     | 854509         | 976976        | 46.40%          | 5.831%        |
| 13        | 10.353      | 765           | 767         | 770          | rBV      | 16883          | 21345         | 1.01%           | 0.127%        |
| 14        | 10.879      | 811           | 813         | 815          | rBV      | 613330         | 519394        | 24.67%          | 3.100%        |
| 15        | 11.154      | 835           | 837         | 841          | rBV      | 53076          | 95485         | 4.53%           | 0.570%        |
| 16        | 11.211      | 841           | 842         | 845          | rVB      | 17086          | 24267         | 1.15%           | 0.145%        |
| 17        | 11.451      | 861           | 863         | 867          | rBV2     | 52317          | 64180         | 3.05%           | 0.383%        |
| 18        | 11.531      | 869           | 870         | 873          | rVB      | 22206          | 24354         | 1.16%           | 0.145%        |
| 19        | 11.977      | 905           | 909         | 911          | rBV      | 20451          | 43204         | 2.05%           | 0.258%        |
| 20        | 12.468      | 949           | 952         | 954          | rBV      | 1510314        | 1456556       | 69.17%          | 8.693%        |
| 21        | 13.394      | 1030          | 1033        | 1039         | rBV      | 115626         | 231246        | 10.98%          | 1.380%        |
| 22        | 13.485      | 1039          | 1041        | 1044         | rVV      | 453051         | 412220        | 19.58%          | 2.460%        |
| 23        | 14.800      | 1153          | 1156        | 1158         | rBV      | 331853         | 339483        | 16.12%          | 2.026%        |
| 24        | 15.280      | 1193          | 1198        | 1206         | rBV4     | 14439          | 52764         | 2.51%           | 0.315%        |

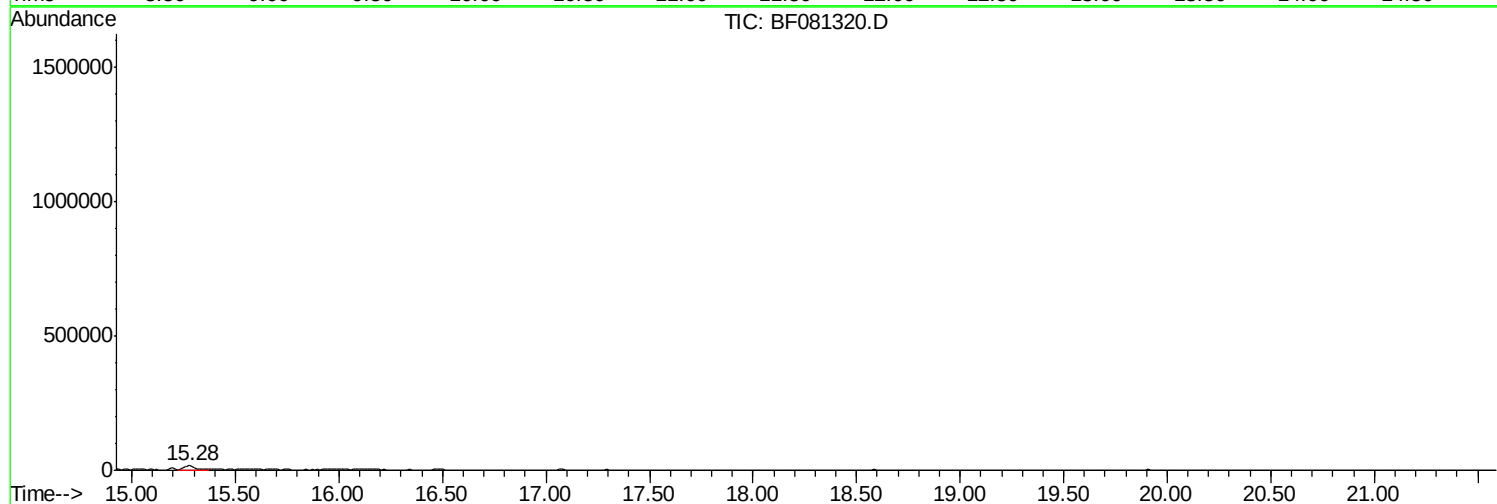
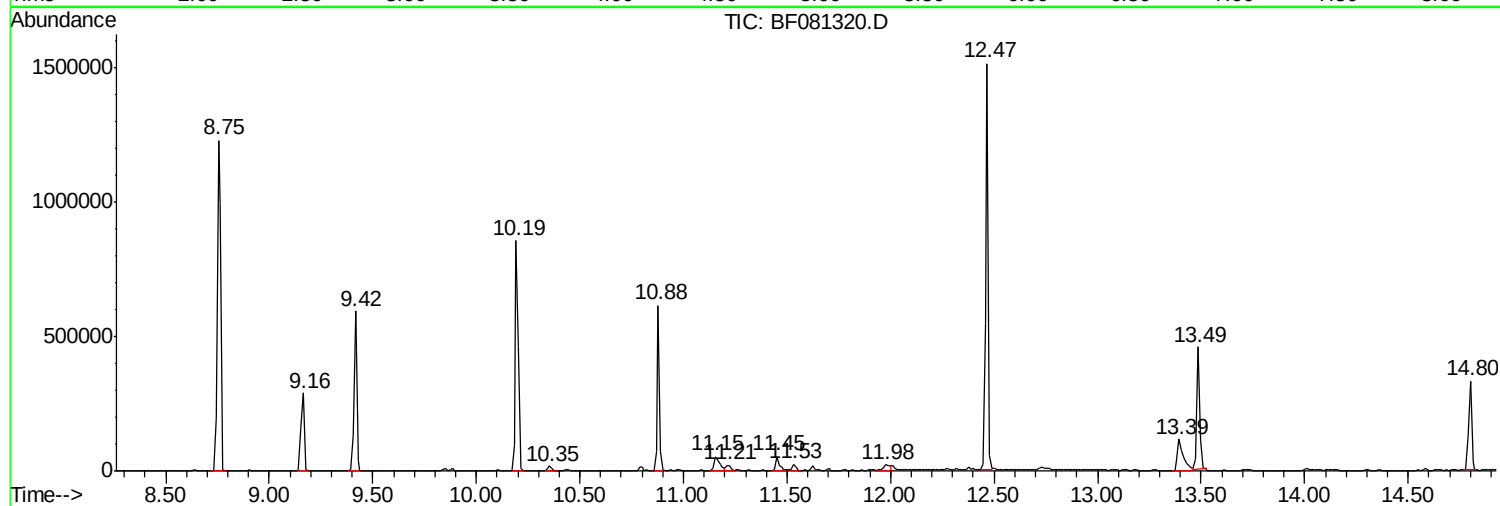
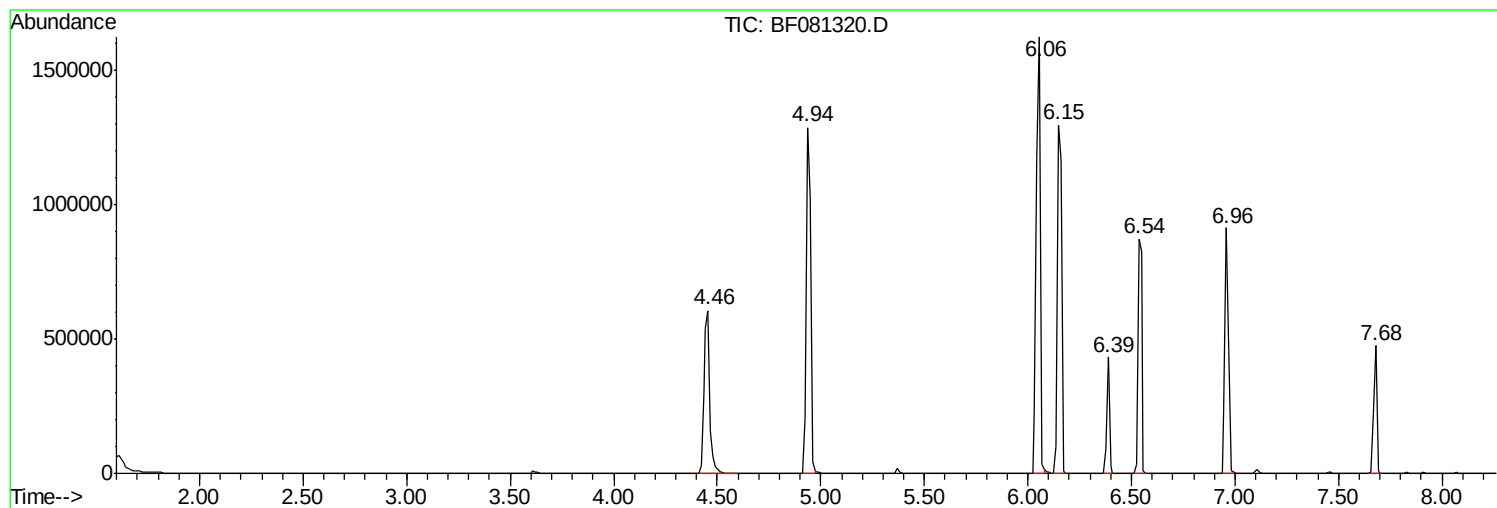
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COFF-3-3(0-2)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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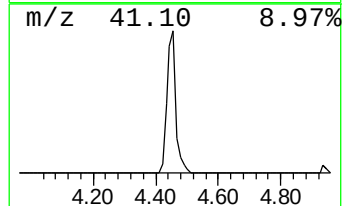
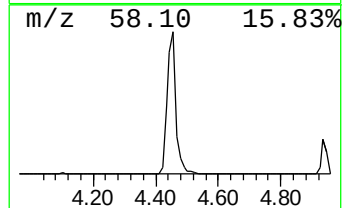
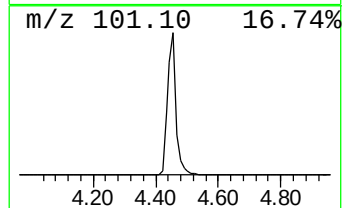
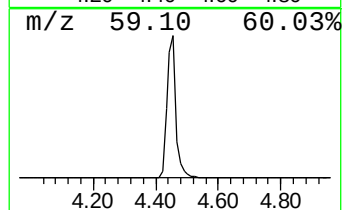
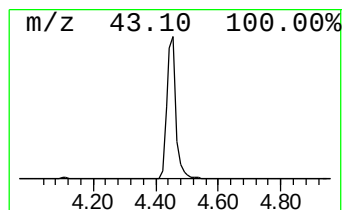
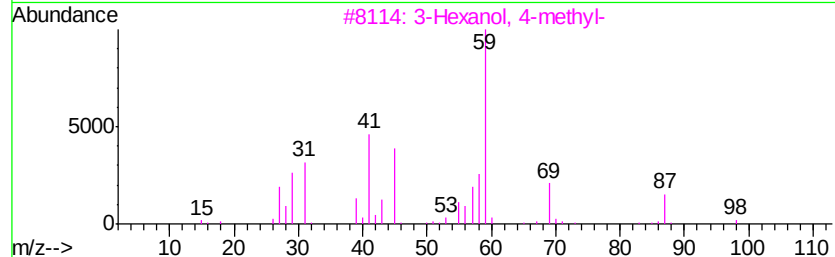
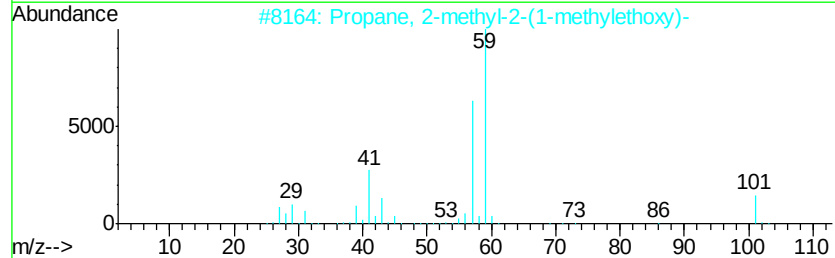
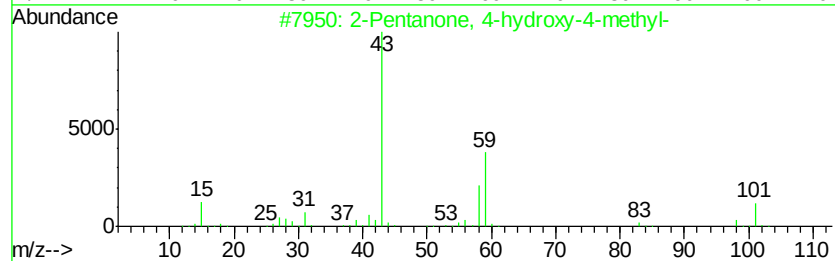
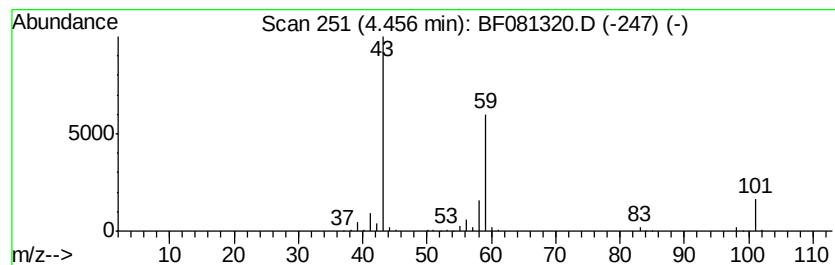
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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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. |
|------|----------|---------|------------------------|------|
| 4.46 | 63.29 ng | 1191790 | 1,4-Dichlorobenzene-d4 | 6.39 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 53   |
| 2    |    |   | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O   | 017348-59-3 | 36   |
| 3    |    |   | 3-Hexanol, 4-methyl-                | 116 | C7H16O   | 000615-29-2 | 33   |
| 4    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23   |
| 5    |    |   | 2,3-Butanedione, monooxime          | 101 | C4H7NO2  | 000057-71-6 | 9    |



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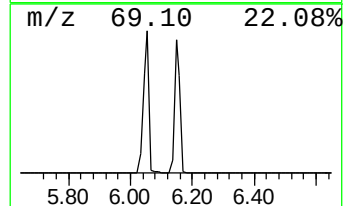
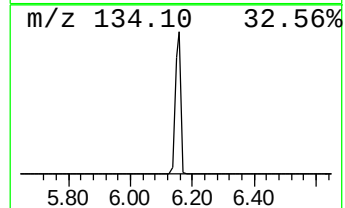
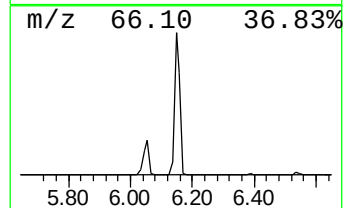
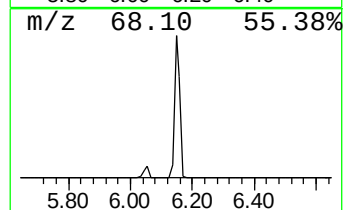
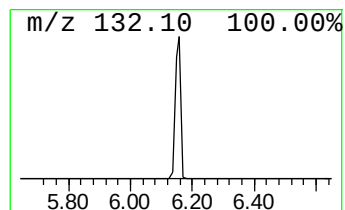
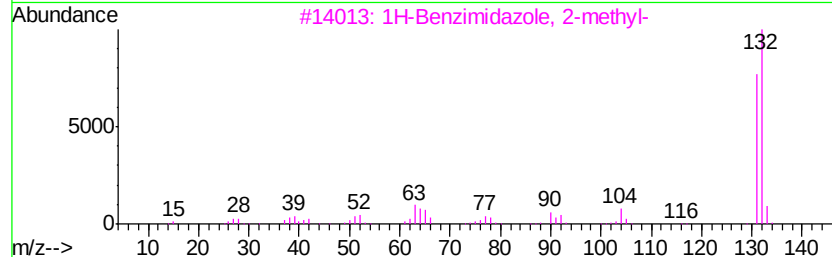
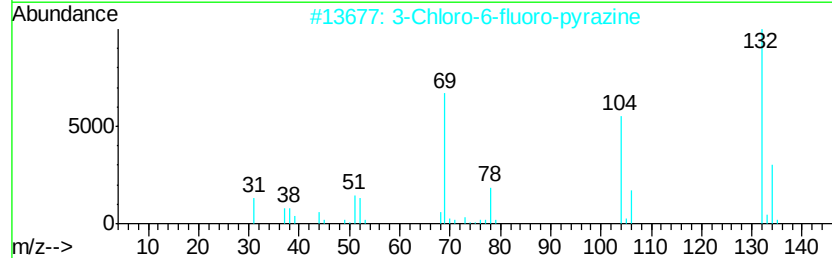
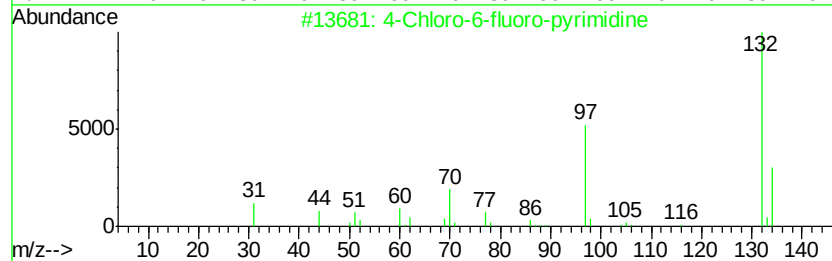
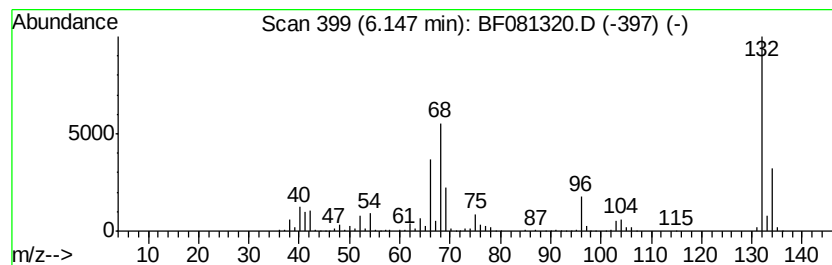
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown6.15 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.15 | 93.62 ng | 1762810 | 1,4-Dichlorobenzene-d4 | 6.39 |

| 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    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 25   |
| 4    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 5    |    | (5-METHYL-2-PYRIDYL)ACETONITRILE | 132 | C8H8N2    | 1000241-93-9 | 10   |



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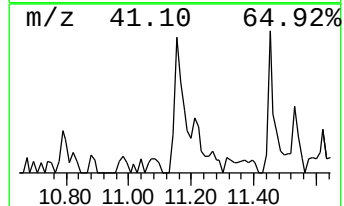
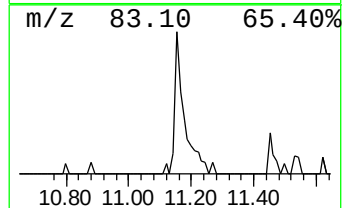
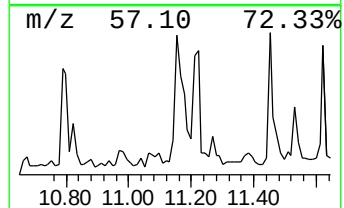
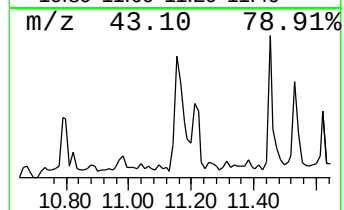
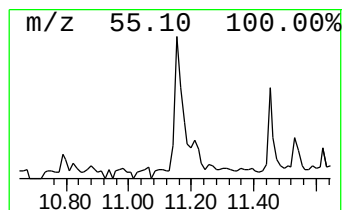
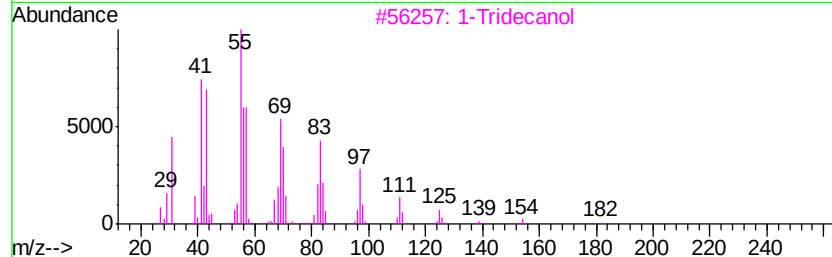
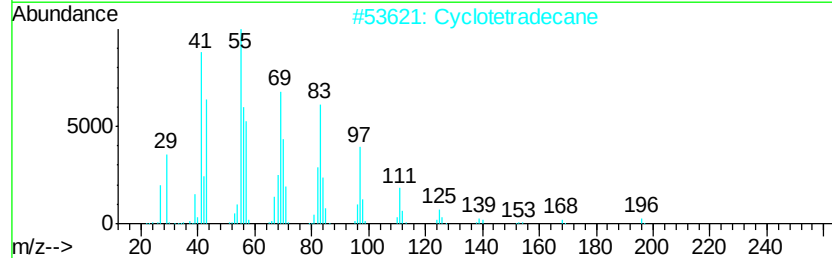
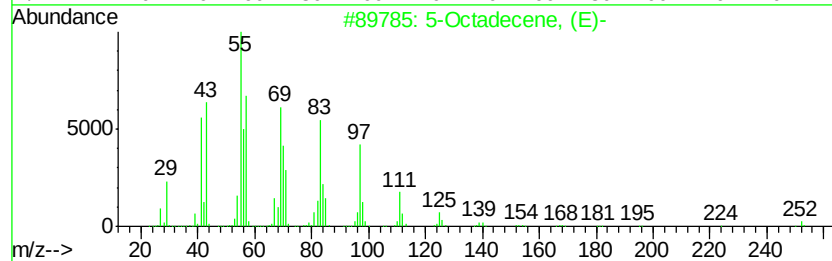
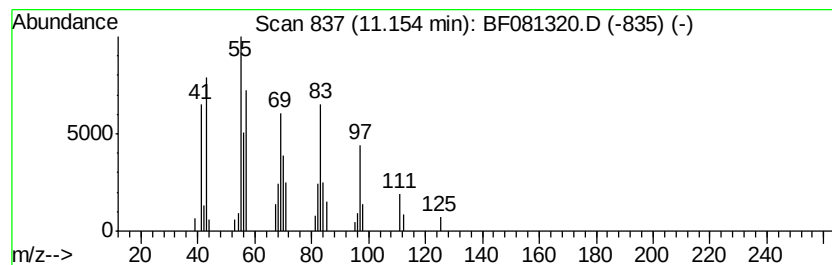
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 11.15 | 3.68 ng | 95485 | Phenanthrene-d10 | 10.88 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|---------|---|-------------------------------------|-----|------------|--------------|------|
| 1       |   | 5-Octadecene, (E)-                  | 252 | C18H36     | 007206-21-5  | 91   |
| 2       |   | Cyclotetradecane                    | 196 | C14H28     | 000295-17-0  | 91   |
| 3       |   | 1-Tridecanol                        | 200 | C13H28O    | 000112-70-9  | 90   |
| 4       |   | Pentafluoropropionic acid, penta... | 374 | C18H31F5O2 | 1000280-07-5 | 90   |
| 5       |   | Pentafluoropropionic acid, octad... | 416 | C21H37F5O2 | 1000280-07-7 | 90   |



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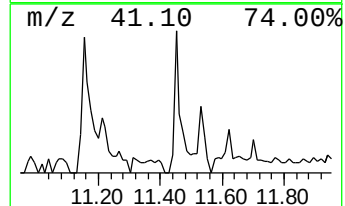
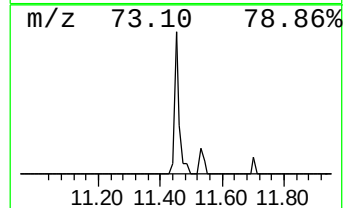
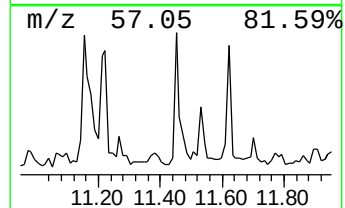
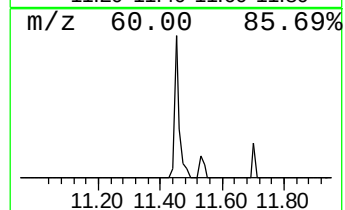
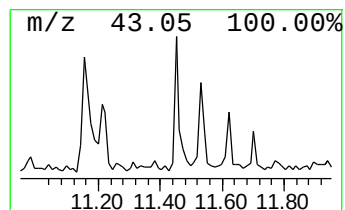
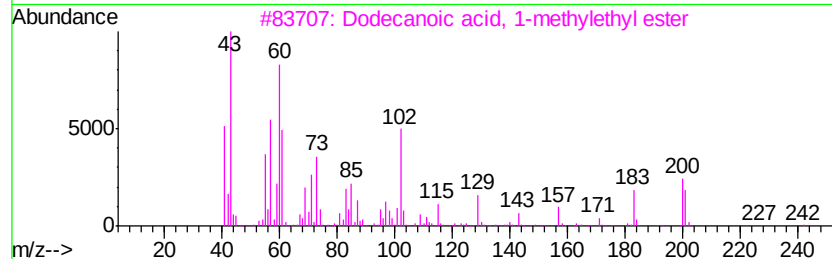
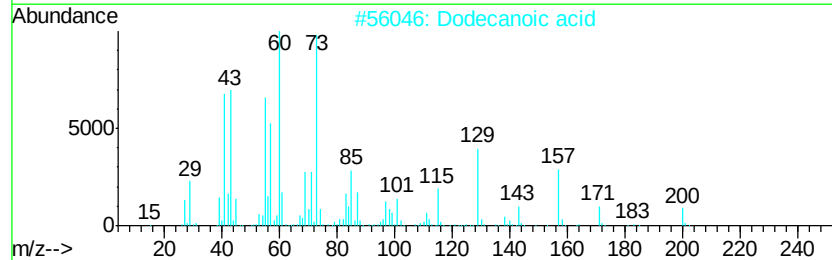
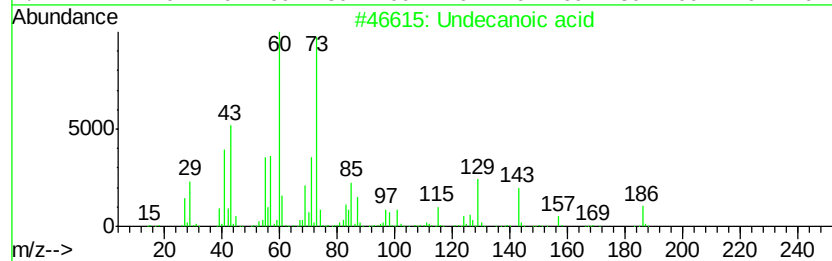
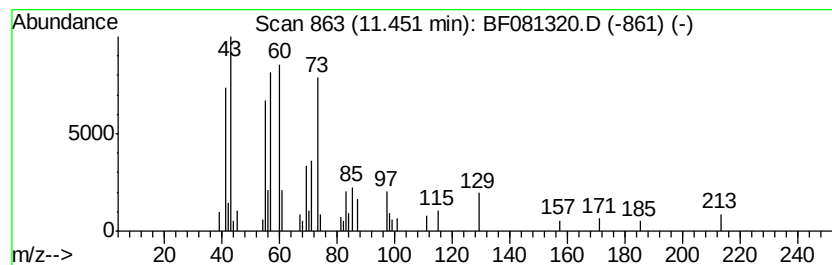
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Peak Number 5 Undecanoic acid Concentration Rank 7

| R.T.    | EstConc                             | Area         | Relative to ISTD |          | R.T.        |      |
|---------|-------------------------------------|--------------|------------------|----------|-------------|------|
| 11.45   | 2.47 ng                             | 64180        | Phenanthrene-d10 |          | 10.88       |      |
| Hit# of | 5                                   | Tentative ID | MW               | MolForm  | CAS#        | Qual |
| 1       | Undecanoic acid                     |              | 186              | C11H22O2 | 000112-37-8 | 72   |
| 2       | Dodecanoic acid                     |              | 200              | C12H24O2 | 000143-07-7 | 59   |
| 3       | Dodecanoic acid, 1-methylethyl e... |              | 242              | C15H30O2 | 010233-13-3 | 59   |
| 4       | n-Decanoic acid                     |              | 172              | C10H20O2 | 000334-48-5 | 50   |
| 5       | n-Capric acid isopropyl ester       |              | 214              | C13H26O2 | 002311-59-3 | 42   |



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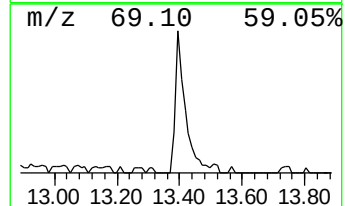
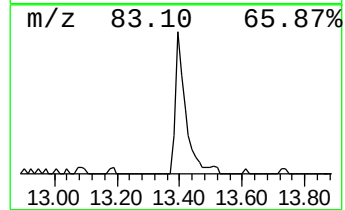
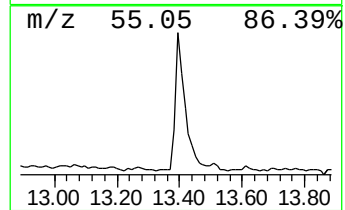
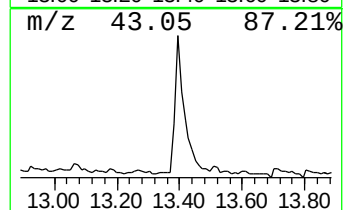
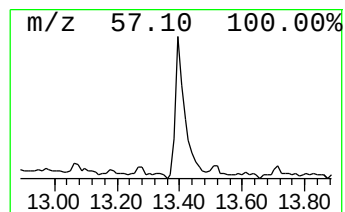
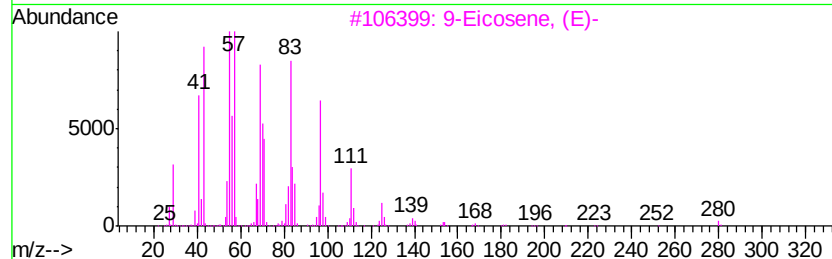
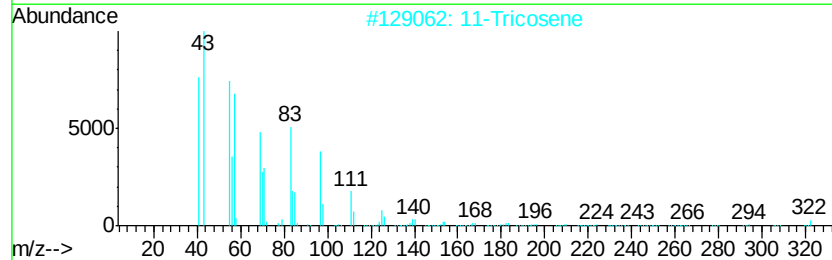
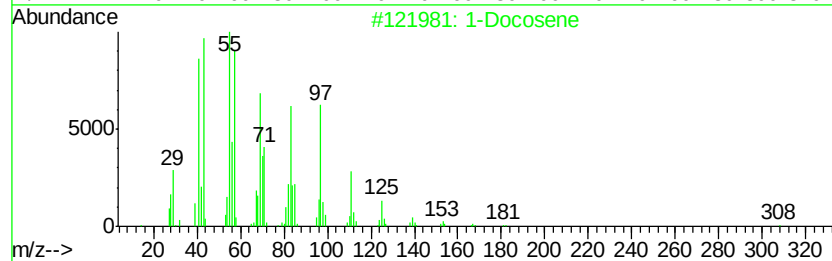
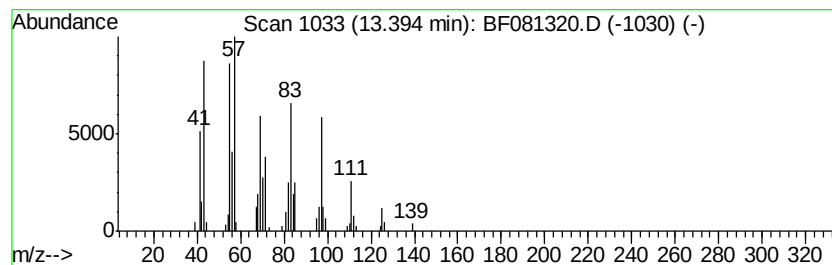
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Peak Number 6 1-Docosene Concentration Rank 4

| R.T.    | EstConc                             | Area            | Relative to ISTD | R.T.      |
|---------|-------------------------------------|-----------------|------------------|-----------|
| 13.39   | 11.22 ng                            | 231246          | Chrysene-d12     | 13.49     |
| Hit# of | 5                                   | Tentative ID    | MW MolForm       | CAS# Qual |
| 1       | 1-Docosene                          | 308 C22H44      | 001599-67-3      | 95        |
| 2       | 11-Tricosene                        | 322 C23H46      | 052078-56-5      | 91        |
| 3       | 9-Eicosene, (E)-                    | 280 C20H40      | 074685-29-3      | 90        |
| 4       | Trichloroacetic acid, pentadecyl... | 372 C17H31Cl3O2 | 074339-53-0      | 87        |
| 5       | Trifluoroacetic acid, n-heptadec... | 324 C17H31F3O2  | 1000216-79-2     | 80        |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF090115\  
Data File : BF081320.D  
Acq On : 1 Sep 2015 23:42  
Operator : UM/IZ  
Sample : G3479-05  
Misc :  
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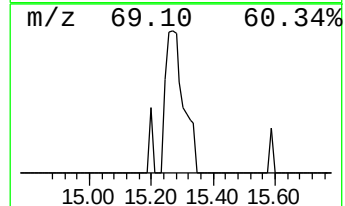
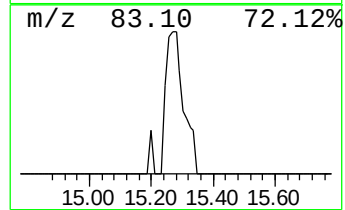
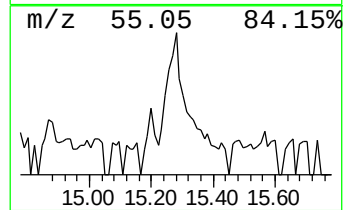
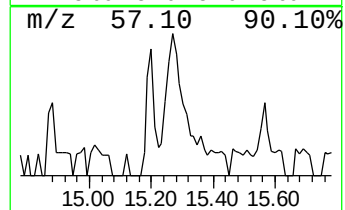
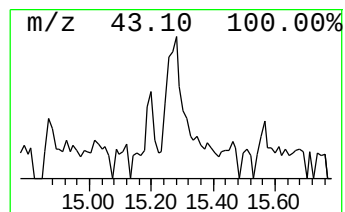
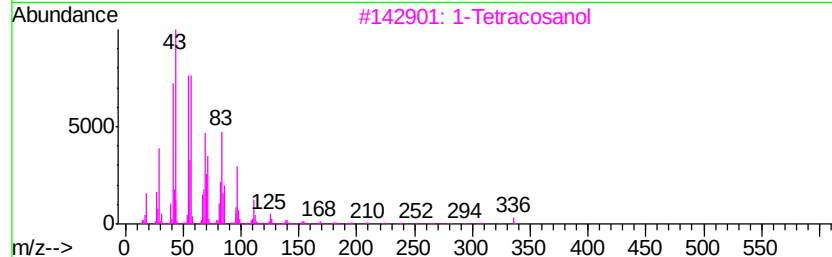
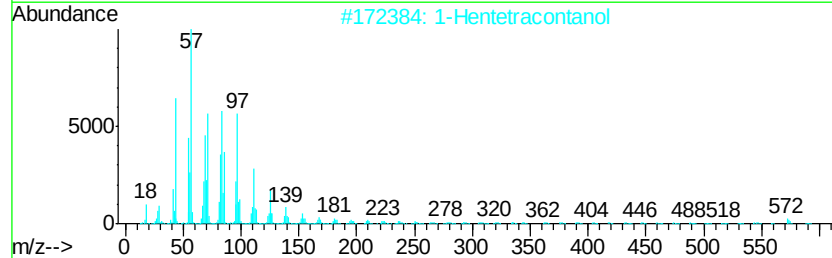
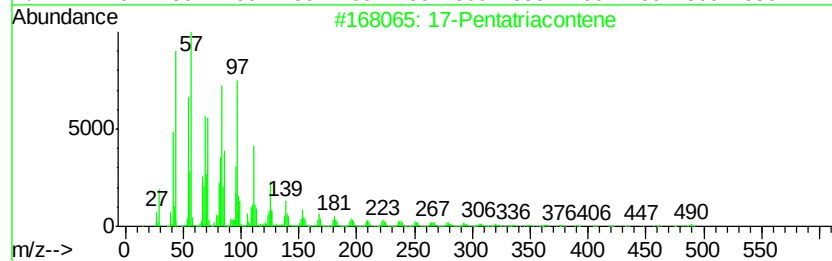
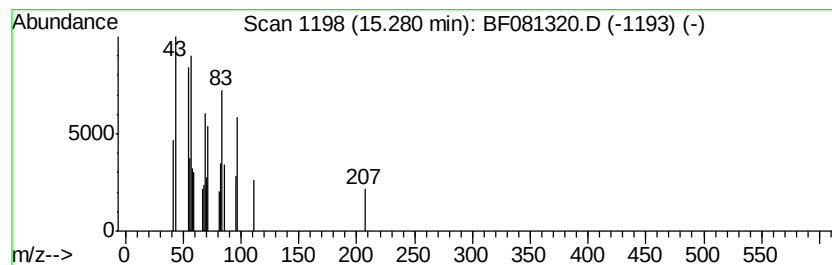
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ClientSampleId :  
COFF-3-3(0-2)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 7 17-Pentatriacontene Concentration Rank 6

| R.T.      | EstConc                                    | Area  | Relative to ISTD | R.T.         |      |
|-----------|--------------------------------------------|-------|------------------|--------------|------|
| 15.28     | 3.11 ng                                    | 52764 | Perylene-d12     | 14.80        |      |
| Hit# of 5 | Tentative ID                               | MW    | MolForm          | CAS#         | Qual |
| 1         | 17-Pentatriacontene                        | 491   | C35H70           | 006971-40-0  | 80   |
| 2         | 1-Hentetracontanol                         | 593   | C41H84O          | 040710-42-7  | 80   |
| 3         | 1-Tetracosanol                             | 354   | C24H50O          | 000506-51-4  | 72   |
| 4         | 1-Hexacosanol                              | 382   | C26H54O          | 000506-52-5  | 72   |
| 5         | Pentafluoropropionic acid, octadecyl ester | 416   | C21H37F5O2       | 1000280-07-7 | 64   |





Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF090115\  
Data File : BF081320.D  
Acq On : 1 Sep 2015 23:42  
Operator : UM/IZ  
Sample : G3479-05  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
COFF-3-3(0-2)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.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... | 4.46  | 63.3    | ng    | 1191790  | 1                     | 6.39  | 376600 | 20.0 |
| unknown6.15          | 6.15  | 93.6    | ng    | 1762810  | 1                     | 6.39  | 376600 | 20.0 |
| 5-Octadecene, (E)-   | 11.15 | 3.7     | ng    | 95485    | 4                     | 10.88 | 519394 | 20.0 |
| Undecanoic acid      | 11.45 | 2.5     | ng    | 64180    | 4                     | 10.88 | 519394 | 20.0 |
| 1-Docosene           | 13.39 | 11.2    | ng    | 231246   | 5                     | 13.49 | 412220 | 20.0 |
| 17-Pentatriacontene  | 15.28 | 3.1     | ng    | 52764    | 6                     | 14.80 | 339483 | 20.0 |