

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF091615\  
 Data File : BF081656.D  
 Acq On : 16 Sep 2015 19:14  
 Operator : UM/IZ  
 Sample : G3654-06  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP204(28-30)

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-BF090115.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 1.440    | 8          | 9        | 15        | rBV   | 97808       | 260908     | 14.47%       | 1.384%     |
| 2      | 1.531    | 15         | 17       | 52        | rVB   | 517521      | 1732099    | 96.07%       | 9.189%     |
| 3      | 4.480    | 270        | 275      | 294       | rVB   | 330545      | 999879     | 55.46%       | 5.305%     |
| 4      | 5.349    | 347        | 351      | 369       | rBV   | 918085      | 1725815    | 95.72%       | 9.156%     |
| 5      | 7.612    | 544        | 549      | 553       | rBV   | 893611      | 1760741    | 97.66%       | 9.341%     |
| 6      | 7.703    | 553        | 557      | 560       | rVB   | 1031517     | 1761884    | 97.72%       | 9.347%     |
| 7      | 8.183    | 596        | 599      | 603       | rBV   | 197847      | 317205     | 17.59%       | 1.683%     |
| 8      | 8.515    | 624        | 628      | 631       | rBV   | 766181      | 1268024    | 70.33%       | 6.727%     |
| 9      | 9.486    | 708        | 713      | 716       | rBV   | 603758      | 1131795    | 62.77%       | 6.005%     |
| 10     | 11.086   | 849        | 853      | 855       | rBV   | 234845      | 413143     | 22.91%       | 2.192%     |
| 11     | 11.132   | 855        | 857      | 864       | rVB   | 46628       | 82570      | 4.58%        | 0.438%     |
| 12     | 12.789   | 999        | 1002     | 1006      | rBB   | 20894       | 35375      | 1.96%        | 0.188%     |
| 13     | 12.995   | 1018       | 1020     | 1024      | rBB   | 11898       | 21519      | 1.19%        | 0.114%     |
| 14     | 13.727   | 1079       | 1084     | 1087      | rBV   | 960249      | 1802976    | 100.00%      | 9.565%     |
| 15     | 13.784   | 1087       | 1089     | 1093      | rVB   | 10773       | 18852      | 1.05%        | 0.100%     |
| 16     | 14.778   | 1172       | 1176     | 1181      | rVB   | 171276      | 274888     | 15.25%       | 1.458%     |
| 17     | 15.213   | 1210       | 1214     | 1219      | rBB2  | 260961      | 434877     | 24.12%       | 2.307%     |
| 18     | 16.481   | 1321       | 1325     | 1327      | rBV2  | 8230        | 18524      | 1.03%        | 0.098%     |
| 19     | 17.121   | 1376       | 1381     | 1384      | rBV   | 676811      | 1257441    | 69.74%       | 6.671%     |
| 20     | 17.750   | 1433       | 1436     | 1442      | rBV   | 14273       | 35147      | 1.95%        | 0.186%     |
| 21     | 18.710   | 1517       | 1520     | 1523      | rBV   | 253596      | 455889     | 25.29%       | 2.419%     |
| 22     | 18.767   | 1523       | 1525     | 1528      | rVB   | 17088       | 27006      | 1.50%        | 0.143%     |
| 23     | 18.836   | 1528       | 1531     | 1534      | rBV   | 14386       | 24003      | 1.33%        | 0.127%     |
| 24     | 19.682   | 1601       | 1605     | 1615      | rBV   | 23820       | 55363      | 3.07%        | 0.294%     |
| 25     | 19.876   | 1618       | 1622     | 1625      | rBV   | 12923       | 24041      | 1.33%        | 0.128%     |
| 26     | 20.470   | 1671       | 1674     | 1682      | rBV   | 76628       | 157591     | 8.74%        | 0.836%     |
| 27     | 21.876   | 1794       | 1797     | 1804      | rBV   | 45906       | 69074      | 3.83%        | 0.366%     |
| 28     | 22.082   | 1812       | 1815     | 1818      | rBV   | 1236169     | 1718066    | 95.29%       | 9.115%     |
| 29     | 23.328   | 1920       | 1924     | 1925      | rBV2  | 93402       | 137687     | 7.64%        | 0.730%     |
| 30     | 23.351   | 1925       | 1926     | 1929      | rVB   | 357623      | 390667     | 21.67%       | 2.073%     |
| 31     | 24.288   | 2005       | 2008     | 2010      | rBV   | 92451       | 98403      | 5.46%        | 0.522%     |
| 32     | 24.791   | 2050       | 2052     | 2055      | rBV   | 309484      | 302218     | 16.76%       | 1.603%     |
| 33     | 25.236   | 2089       | 2091     | 2097      | rVB2  | 14474       | 35094      | 1.95%        | 0.186%     |

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ClientSampleId :  
MGP204(28-30)

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

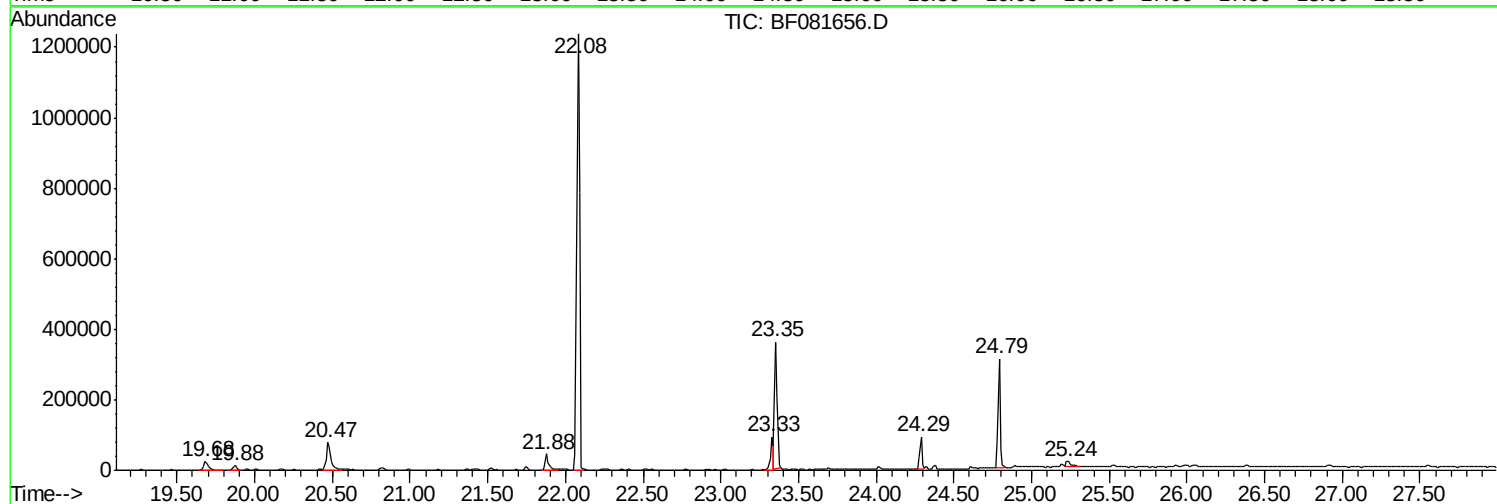
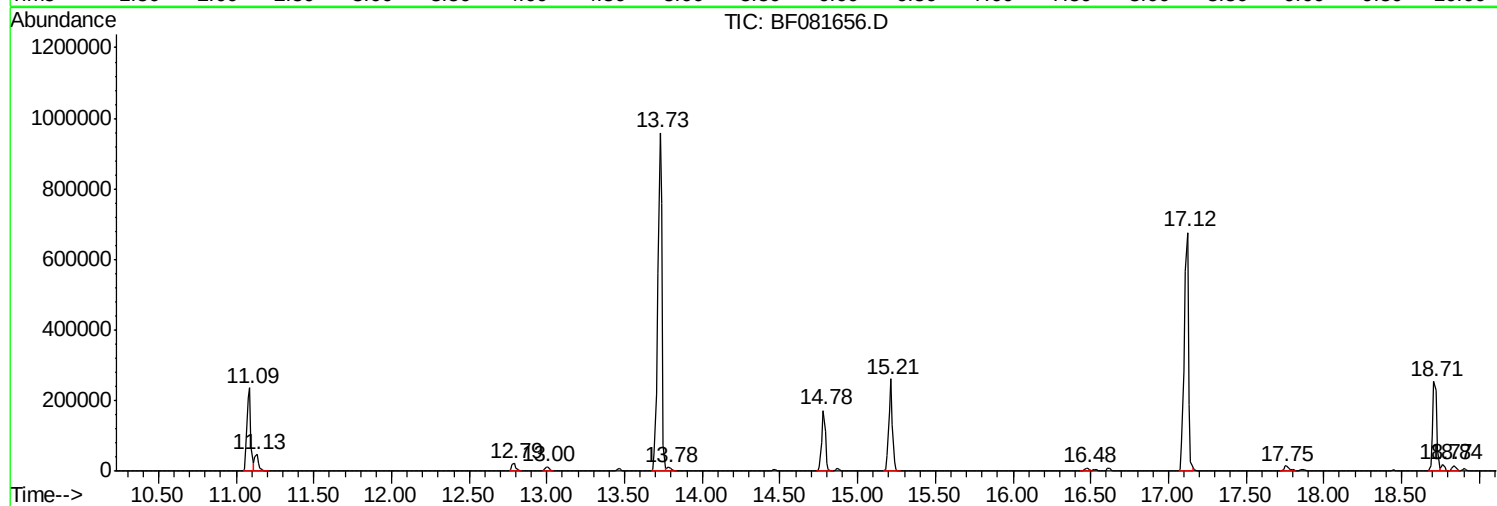
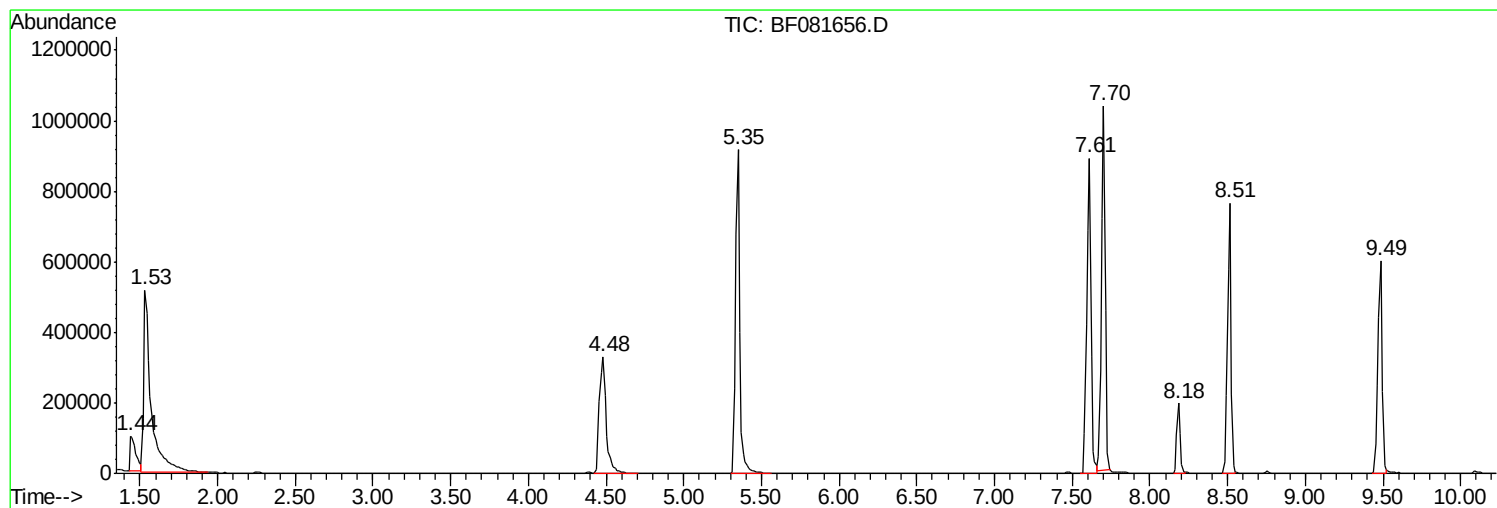
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BNA\_F  
ClientSampled :  
MGP204(28-30)

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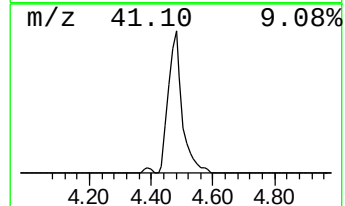
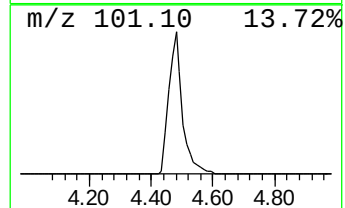
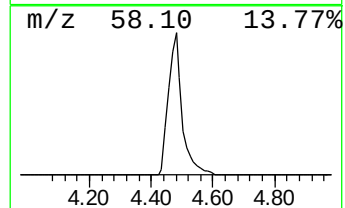
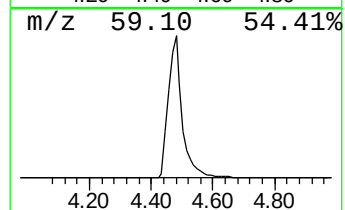
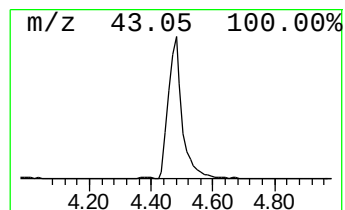
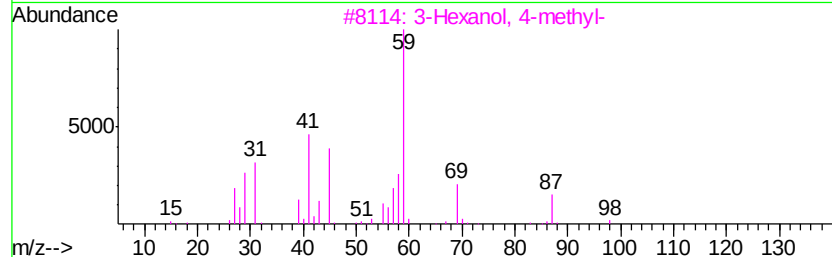
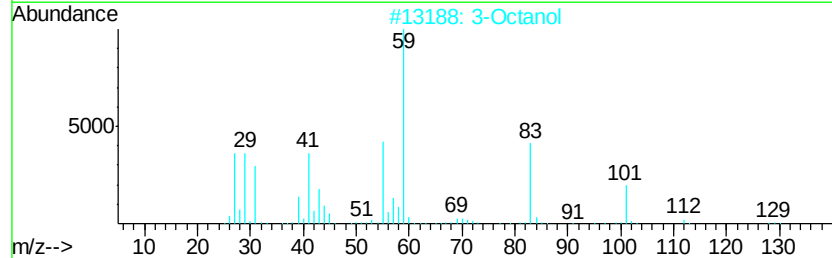
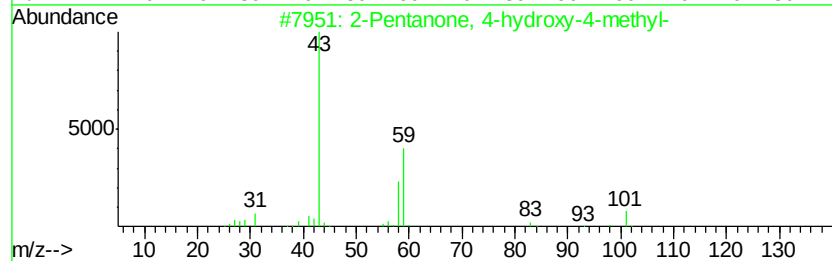
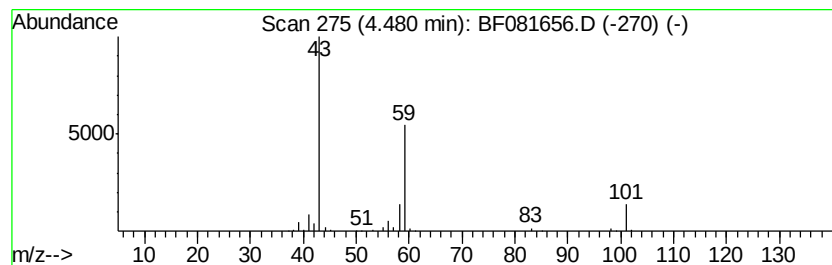
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.48 | 63.04 ng | 999879 | 1,4-Dichlorobenzene-d4 | 8.18 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 50   |
| 2    |    | 3-Octanol                            | 130 | C8H18O   | 000589-98-0 | 33   |
| 3    |    | 3-Hexanol, 4-methyl-                 | 116 | C7H16O   | 000615-29-2 | 33   |
| 4    |    | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 32   |
| 5    |    | Propane, 2-methyl-2-(1-methyleth...  | 116 | C7H16O   | 017348-59-3 | 9    |



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

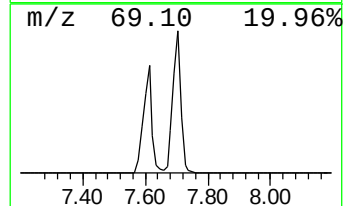
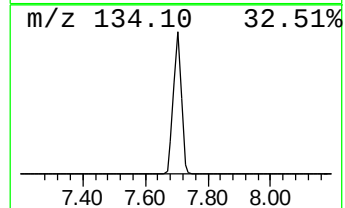
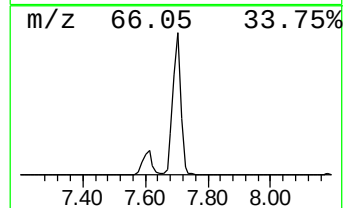
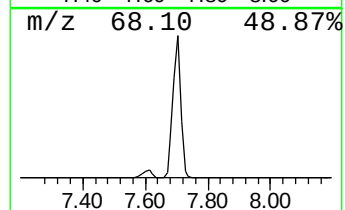
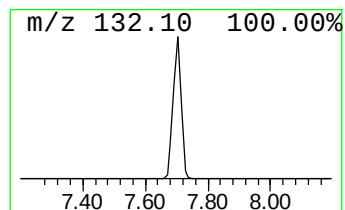
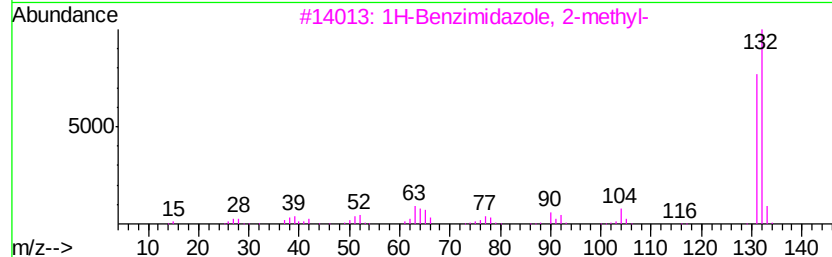
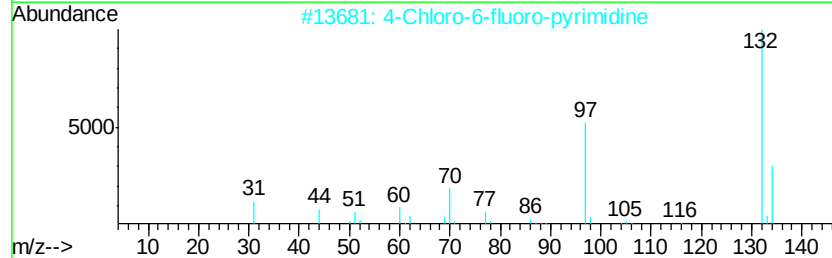
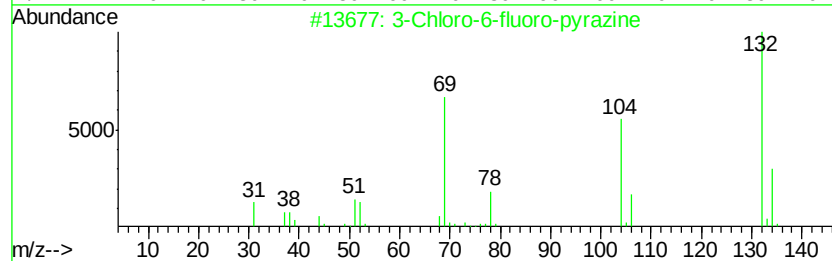
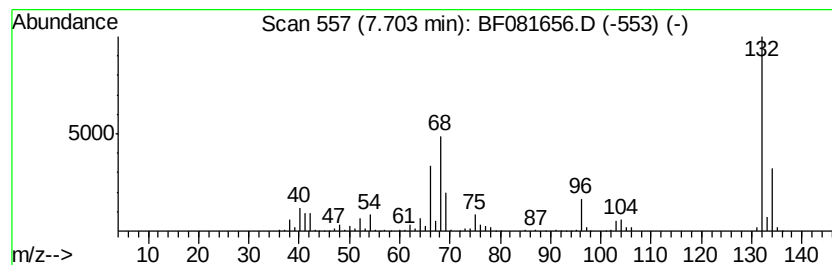
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown7.70 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.70 | 111.09 ng | 1761880 | 1,4-Dichlorobenzene-d4 | 8.18 |

| Hit# of 5 | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|-----------|----------------------------------|-----|-----------|--------------|------|
| 1         | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2         | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 3         | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 22   |
| 4         | (5-METHYL-2-PYRIDYL)ACETONITRILE | 132 | C8H8N2    | 1000241-93-9 | 10   |
| 5         | Benzene, 1,3,5-trifluoro-        | 132 | C6H3F3    | 000372-38-3  | 9    |



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Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
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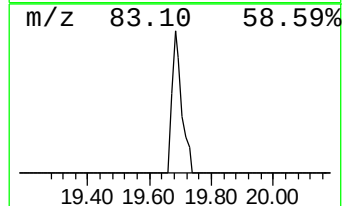
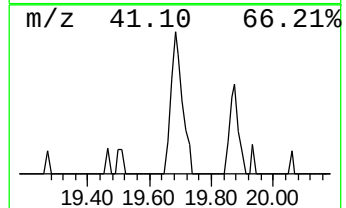
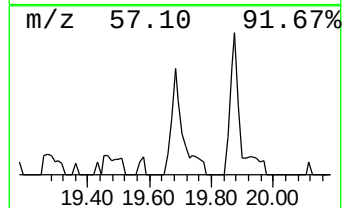
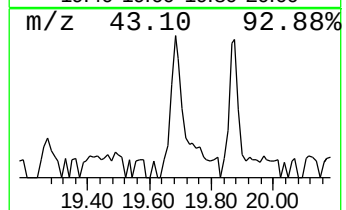
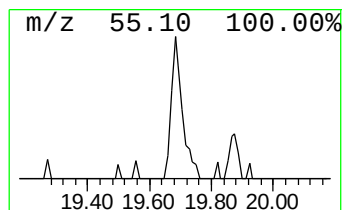
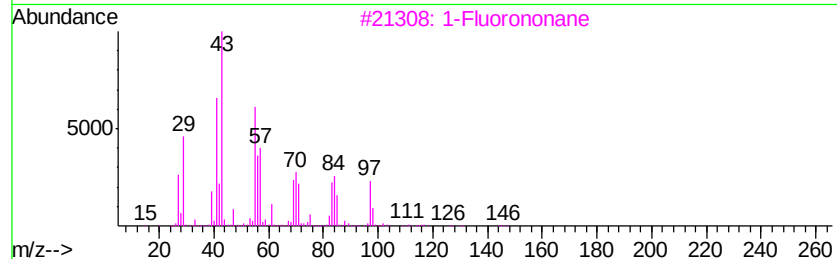
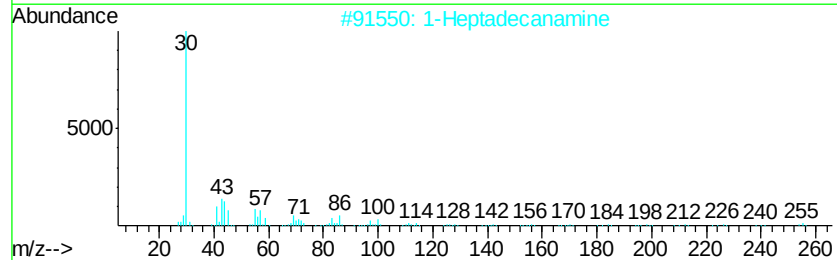
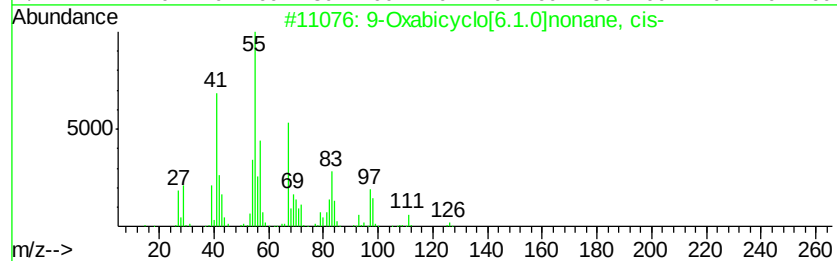
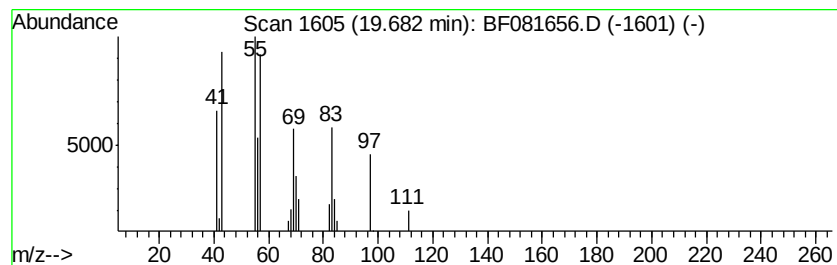
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 9-Oxabicyclo[6.1.0]nonane, ... Concentration Rank 9

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 19.68 | 2.43 ng | 55363 | Phenanthrene-d10 | 18.71 |

| Hit# | of | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------------|-----|---------|-------------|------|
| 1    | 5  | 9-Oxabicyclo[6.1.0]nonane, cis- | 126 | C8H14O  | 004925-71-7 | 50   |
| 2    |    | 1-Heptadecanamine               | 255 | C17H37N | 004200-95-7 | 50   |
| 3    |    | 1-Fluorononane                  | 146 | C9H19F  | 000463-18-3 | 47   |
| 4    |    | 1-Octene, 6-methyl-             | 126 | C9H18   | 013151-10-5 | 43   |
| 5    |    | 1-Heptanol, 6-methyl-           | 130 | C8H18O  | 001653-40-3 | 35   |



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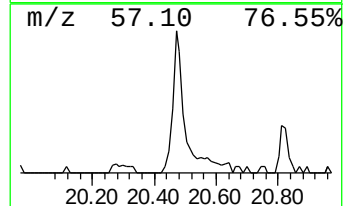
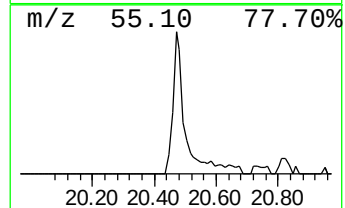
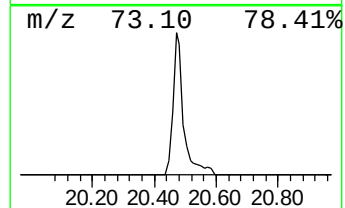
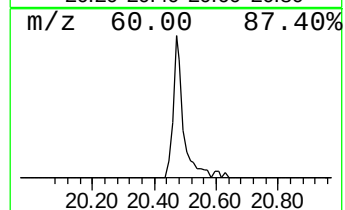
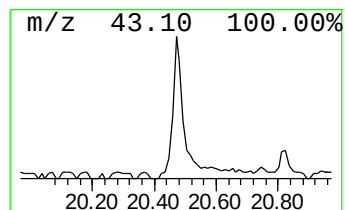
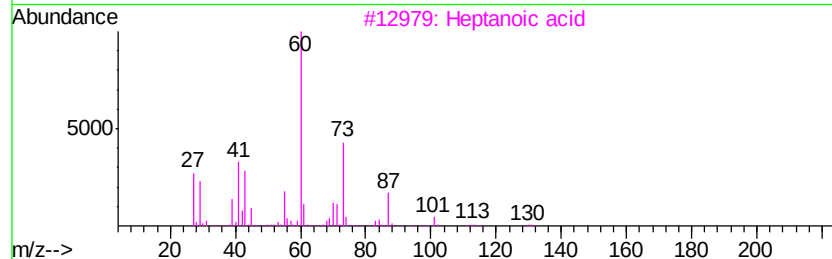
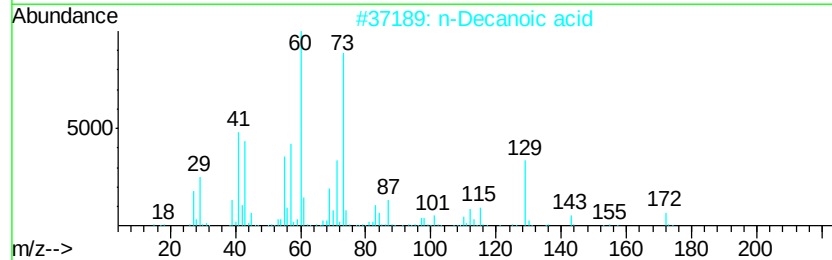
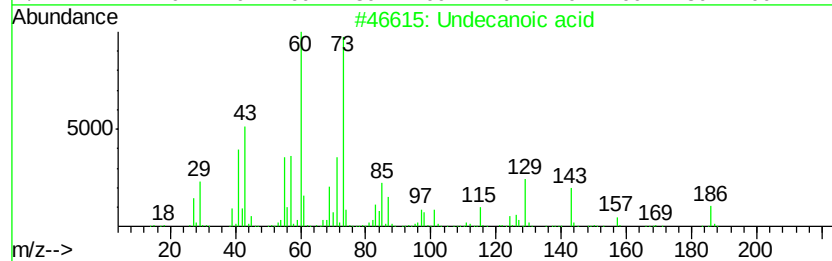
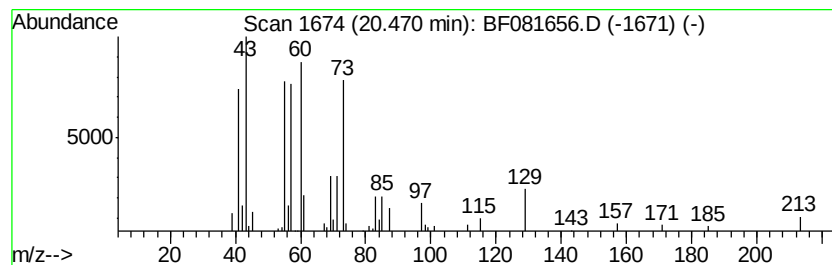
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Undecanoic acid Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 20.47 | 6.91 ng | 157591 | Phenanthrene-d10 | 18.71 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------|-----|----------|--------------|------|
| 1    |    |   | Undecanoic acid         | 186 | C11H22O2 | 000112-37-8  | 72   |
| 2    |    |   | n-Decanoic acid         | 172 | C10H20O2 | 000334-48-5  | 53   |
| 3    |    |   | Heptanoic acid          | 130 | C7H14O2  | 000111-14-8  | 38   |
| 4    |    |   | Amyl Nitrite            | 117 | C5H11NO2 | 000110-46-3  | 22   |
| 5    |    |   | 4-Propionyloxytridecane | 256 | C16H32O2 | 1000245-62-6 | 22   |



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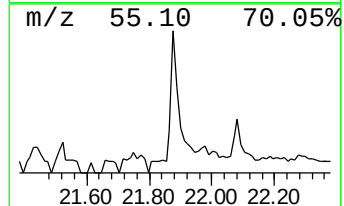
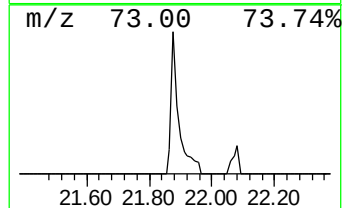
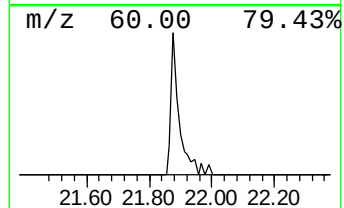
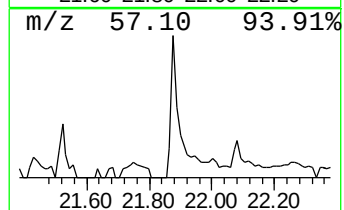
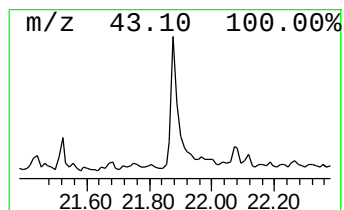
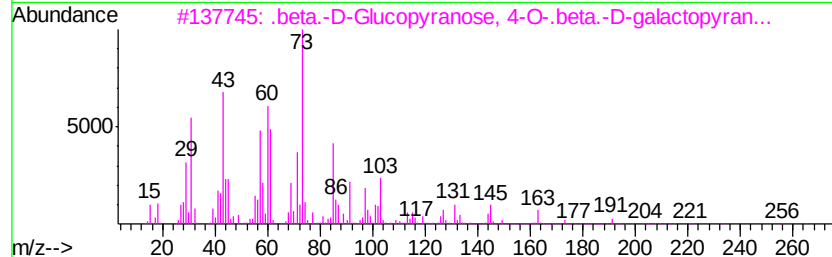
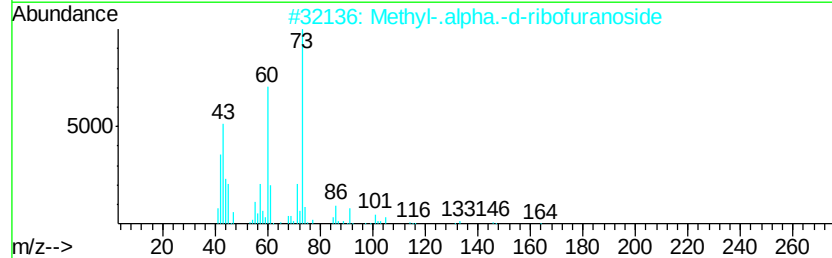
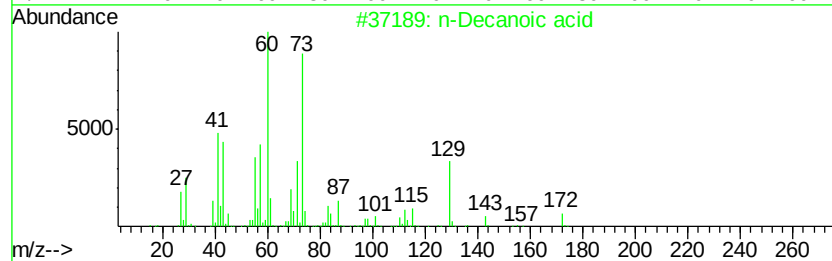
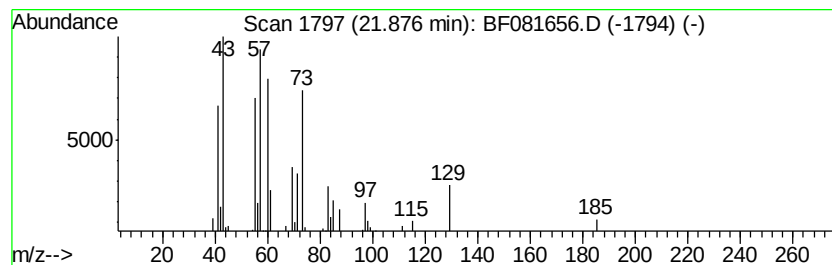
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 n-Decanoic acid Concentration Rank 8

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 21.88 | 3.54 ng | 69074 | Chrysene-d12     | 23.35 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | n-Decanoic acid                     | 172 | C10H20O2  | 000334-48-5  | 53   |
| 2    |    | Methyl-.alpha.-d-ribofuranoside     | 164 | C6H12O5   | 1000129-83-1 | 43   |
| 3    |    | .beta.-D-Glucopyranose, 4-O-.bet... | 342 | C12H22O11 | 005965-66-2  | 27   |
| 4    |    | Amyl Nitrite                        | 117 | C5H11NO2  | 000110-46-3  | 22   |
| 5    |    | 4-Propionyloxytridecane             | 256 | C16H32O2  | 1000245-62-6 | 22   |





Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF091615\  
Data File : BF081656.D  
Acq On : 16 Sep 2015 19:14  
Operator : UM/IZ  
Sample : G3654-06  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

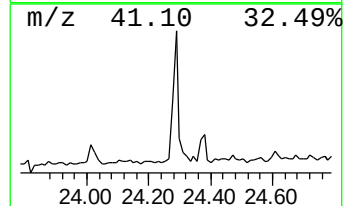
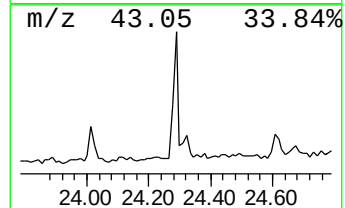
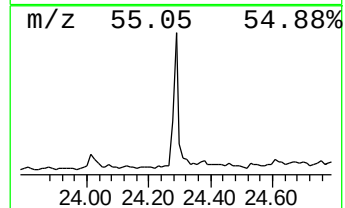
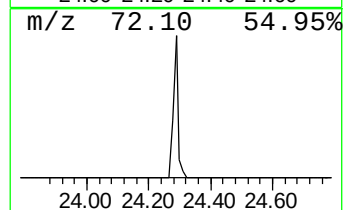
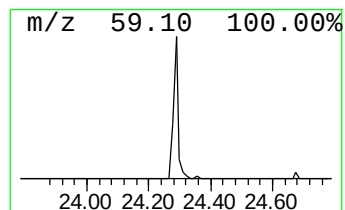
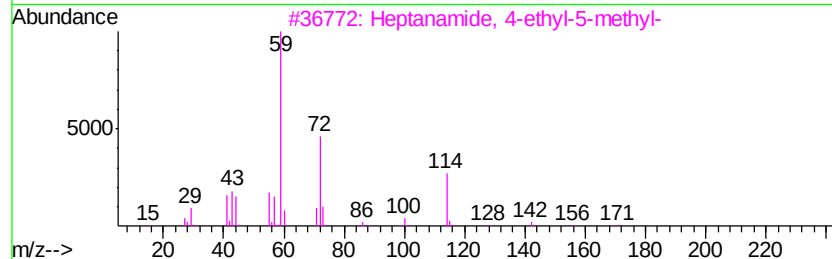
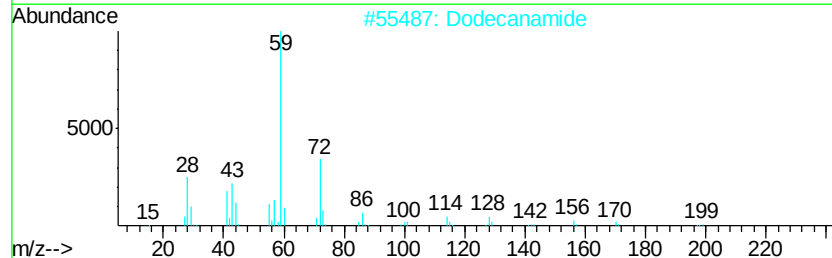
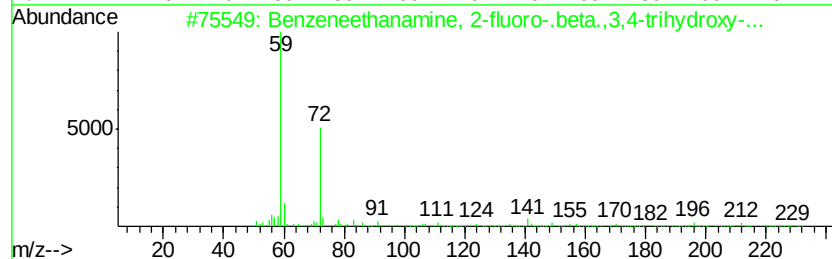
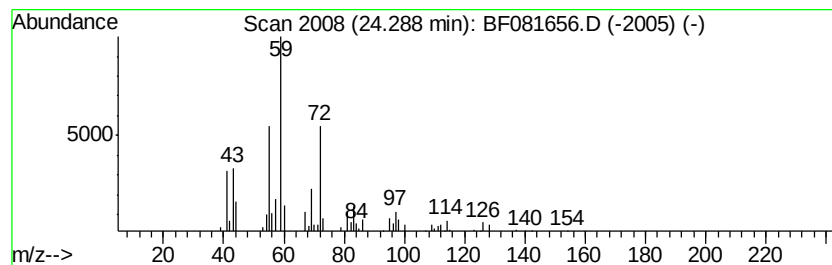
Instrument :  
BNA\_F  
ClientSampleId :  
MGP204(28-30)

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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Peak Number 9 Benzeneethanamine, 2-fluoro... Concentration Rank 7

| R.T.      | EstConc                             | Area  | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|-------|------------------|-------------|------|
| 24.29     | 6.51 ng                             | 98403 | Perylene-d12     | 24.79       |      |
| Hit# of 5 | Tentative ID                        | MW    | MolForm          | CAS#        | Qual |
| 1         | Benzeneethanamine, 2-fluoro-.bet... | 229   | C11H16FN03       | 061338-98-5 | 64   |
| 2         | Dodecanamide                        | 199   | C12H25NO         | 001120-16-7 | 53   |
| 3         | Heptanamide, 4-ethyl-5-methyl-      | 171   | C10H21NO         | 054789-40-1 | 53   |
| 4         | Hexadecanamide                      | 255   | C16H33NO         | 000629-54-9 | 50   |
| 5         | Cyclooctanemethanol, .alpha.,.al... | 170   | C11H22O          | 016624-06-9 | 47   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF091615\  
Data File : BF081656.D  
Acq On : 16 Sep 2015 19:14  
Operator : UM/IZ  
Sample : G3654-06  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

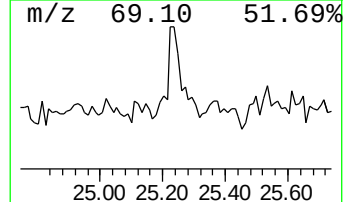
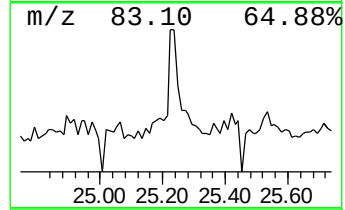
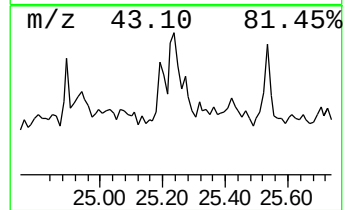
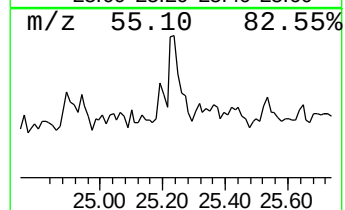
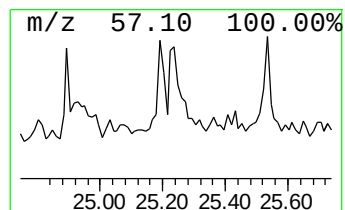
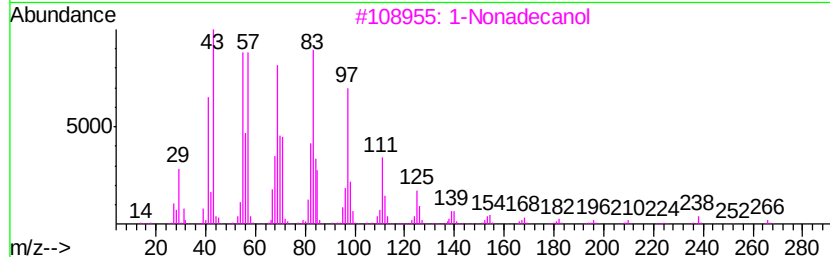
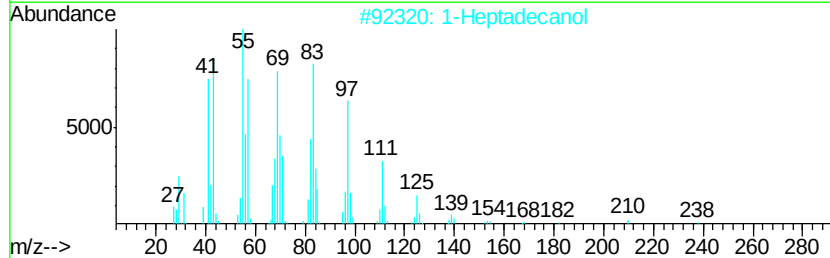
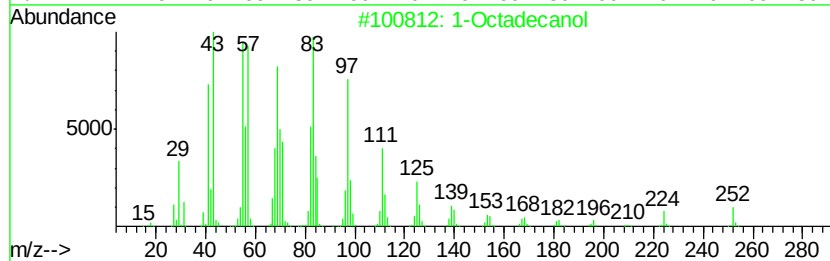
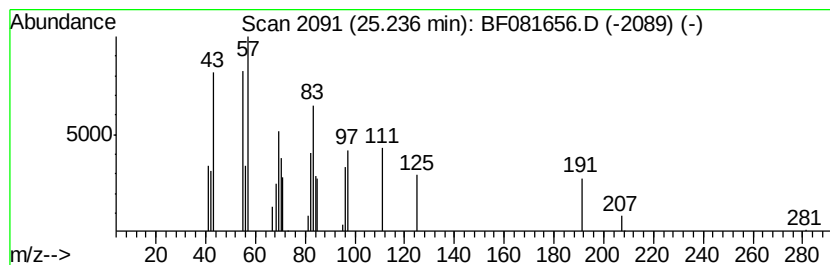
Instrument :  
BNA\_F  
ClientSampleId :  
MGP204(28-30)

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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Peak Number 10 1-Octadecanol Concentration Rank 10

| R.T.      | EstConc                             | Area  | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|-------|------------------|-------------|------|
| 25.24     | 2.32 ng                             | 35094 | Perylene-d12     | 24.79       |      |
| Hit# of 5 | Tentative ID                        | MW    | MolForm          | CAS#        | Qual |
| 1         | 1-Octadecanol                       | 270   | C18H38O          | 000112-92-5 | 64   |
| 2         | 1-Heptadecanol                      | 256   | C17H36O          | 001454-85-9 | 64   |
| 3         | 1-Nonadecanol                       | 284   | C19H40O          | 001454-84-8 | 58   |
| 4         | Acetic acid, chloro-, hexadecyl ... | 318   | C18H35ClO2       | 052132-58-8 | 53   |
| 5         | 1-Hexadecanol                       | 242   | C16H34O          | 036653-82-4 | 52   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF091615\  
Data File : BF081656.D  
Acq On : 16 Sep 2015 19:14  
Operator : UM/IZ  
Sample : G3654-06  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MGP204(28-30)

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... | 4.48  | 63.0    | ng    | 999879   | 1                     | 8.18  | 317205 | 20.0 |
| unknown7.70          | 7.70  | 111.1   | ng    | 1761880  | 1                     | 8.18  | 317205 | 20.0 |
| 9-Oxabicyclo[6.1.... | 19.68 | 2.4     | ng    | 55363    | 4                     | 18.71 | 455889 | 20.0 |
| Undecanoic acid      | 20.47 | 6.9     | ng    | 157591   | 4                     | 18.71 | 455889 | 20.0 |
| n-Decanoic acid      | 21.88 | 3.5     | ng    | 69074    | 5                     | 23.35 | 390667 | 20.0 |
| Benzeneethanamine... | 24.29 | 6.5     | ng    | 98403    | 6                     | 24.79 | 302218 | 20.0 |
| 1-Octadecanol        | 25.24 | 2.3     | ng    | 35094    | 6                     | 24.79 | 302218 | 20.0 |