

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120715\  
 Data File : BF083567.D  
 Acq On : 7 Dec 2015 20:29  
 Operator : UM/IZ  
 Sample : G4579-04  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP2(18-24)

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-BF120415.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 3.550       | 161           | 163         | 186          | rVB      | 889235         | 1889945       | 34.79%          | 4.158%        |
| 2         | 3.996       | 200           | 202         | 225          | rBV      | 3696148        | 4904598       | 90.30%          | 10.791%       |
| 3         | 5.287       | 312           | 315         | 324          | rBV      | 3858926        | 5431701       | 100.00%         | 11.950%       |
| 4         | 5.413       | 324           | 326         | 329          | rBV      | 3762800        | 4913204       | 90.45%          | 10.809%       |
| 5         | 5.722       | 350           | 353         | 362          | rVB      | 694801         | 886863        | 16.33%          | 1.951%        |
| 6         | 5.939       | 369           | 372         | 383          | rBV      | 3012345        | 3711384       | 68.33%          | 8.165%        |
| 7         | 6.556       | 423           | 426         | 428          | rBV      | 2055933        | 3270868       | 60.22%          | 7.196%        |
| 8         | 6.830       | 448           | 450         | 459          | rBV      | 47265          | 100092        | 1.84%           | 0.220%        |
| 9         | 7.619       | 517           | 519         | 532          | rBV      | 878287         | 1200632       | 22.10%          | 2.641%        |
| 10        | 9.368       | 669           | 672         | 675          | rBV      | 3842295        | 4956000       | 91.24%          | 10.904%       |
| 11        | 10.053      | 729           | 732         | 735          | rBV      | 1100871        | 1296140       | 23.86%          | 2.852%        |
| 12        | 10.408      | 761           | 763         | 769          | rBV      | 946814         | 1392868       | 25.64%          | 3.064%        |
| 13        | 11.254      | 834           | 837         | 840          | rVV      | 146051         | 182343        | 3.36%           | 0.401%        |
| 14        | 11.608      | 863           | 868         | 871          | rBV      | 38644          | 94237         | 1.73%           | 0.207%        |
| 15        | 11.699      | 873           | 876         | 879          | rBV      | 2164936        | 3002264       | 55.27%          | 6.605%        |
| 16        | 12.031      | 901           | 905         | 910          | rBV      | 128248         | 258122        | 4.75%           | 0.568%        |
| 17        | 12.762      | 966           | 969         | 971          | rBV      | 71740          | 105064        | 1.93%           | 0.231%        |
| 18        | 12.808      | 971           | 973         | 979          | rVB      | 908023         | 1201240       | 22.12%          | 2.643%        |
| 19        | 13.860      | 1062          | 1065        | 1070         | rBV2     | 50222          | 117331        | 2.16%           | 0.258%        |
| 20        | 14.580      | 1125          | 1128        | 1131         | rBV      | 62829          | 92001         | 1.69%           | 0.202%        |
| 21        | 15.140      | 1174          | 1177        | 1180         | rBV      | 54485          | 84651         | 1.56%           | 0.186%        |
| 22        | 15.437      | 1200          | 1203        | 1206         | rBV      | 2680014        | 3753342       | 69.10%          | 8.258%        |
| 23        | 16.317      | 1275          | 1280        | 1283         | rBV      | 590966         | 804084        | 14.80%          | 1.769%        |
| 24        | 16.934      | 1332          | 1334        | 1339         | rBV      | 93453          | 167908        | 3.09%           | 0.369%        |
| 25        | 17.014      | 1339          | 1341        | 1348         | rVB      | 639546         | 847114        | 15.60%          | 1.864%        |
| 26        | 18.649      | 1482          | 1484        | 1491         | rBV      | 567429         | 788873        | 14.52%          | 1.736%        |

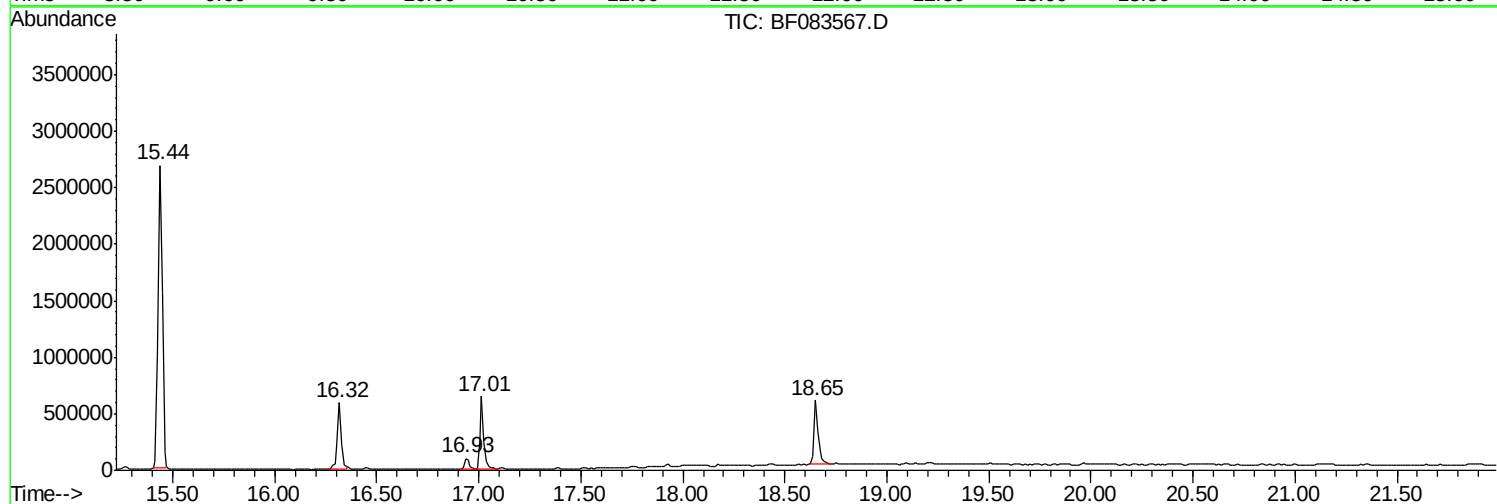
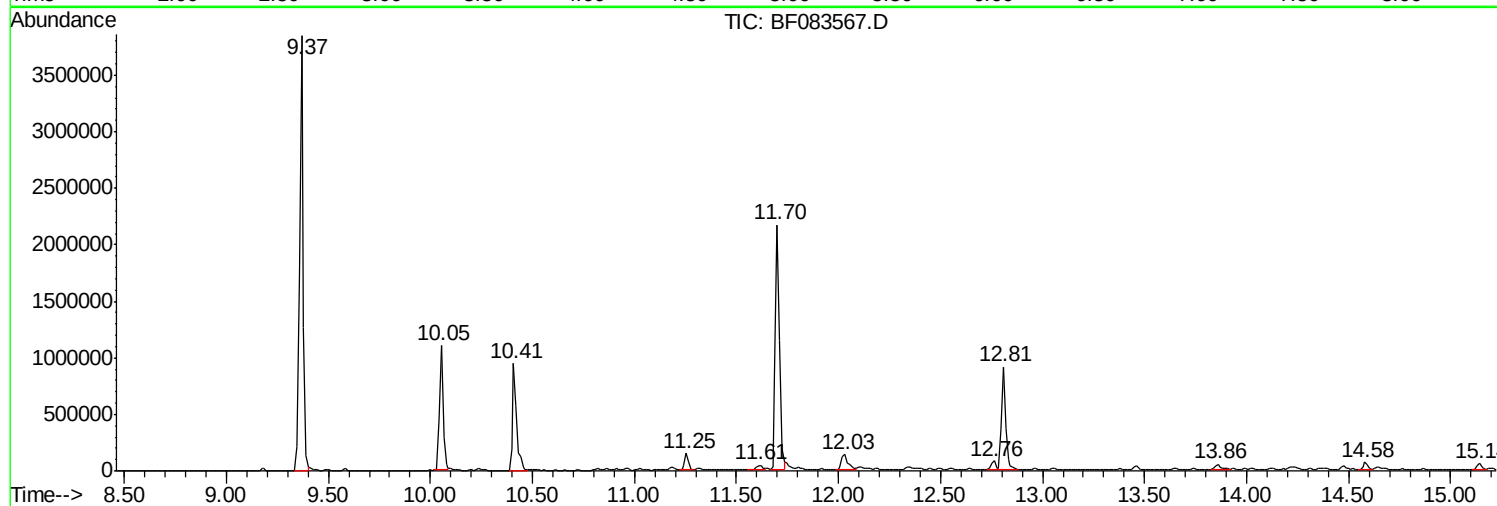
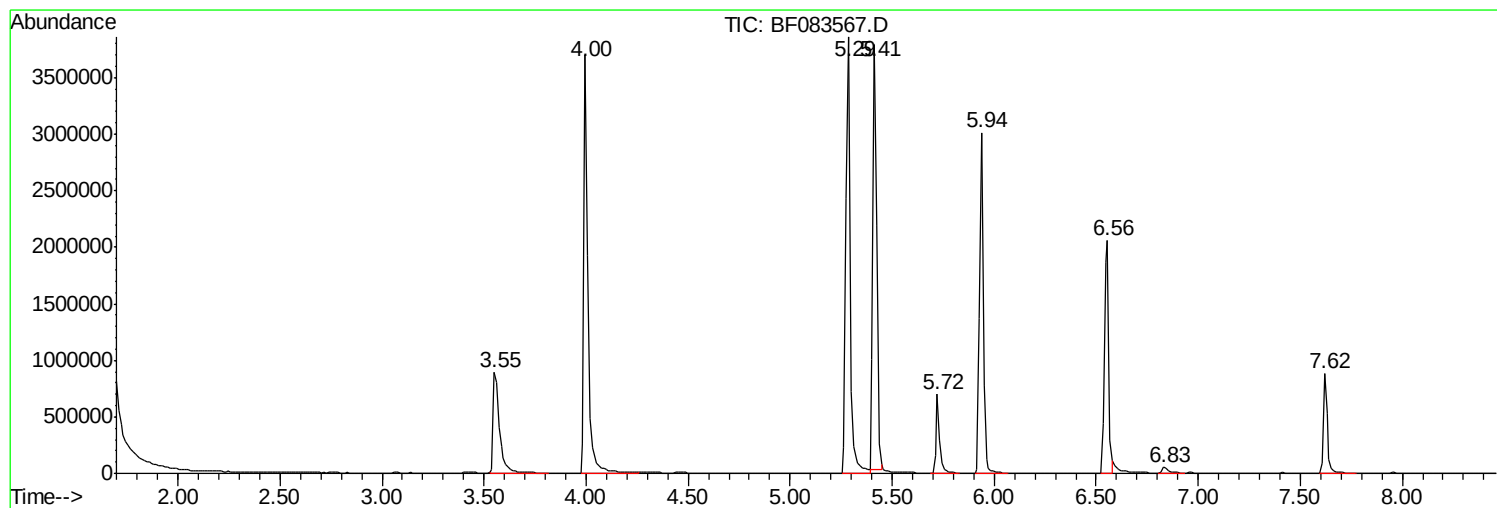
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TP2(18-24)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.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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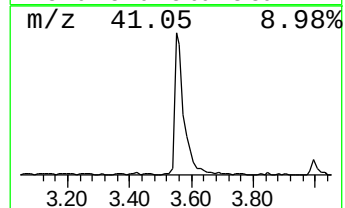
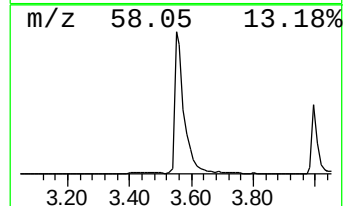
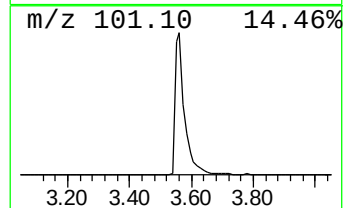
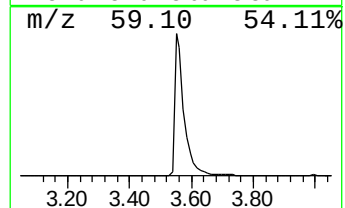
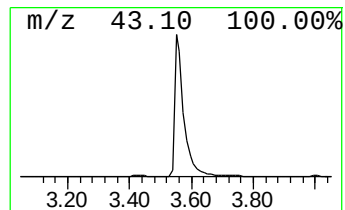
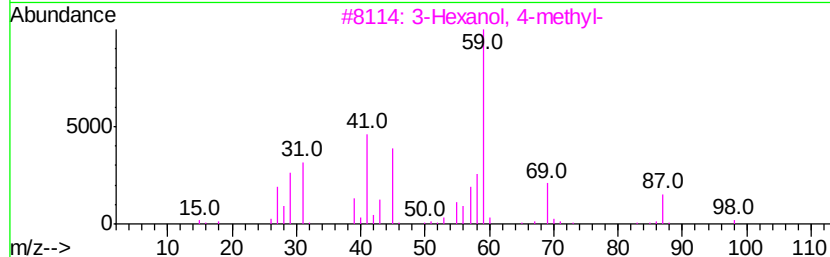
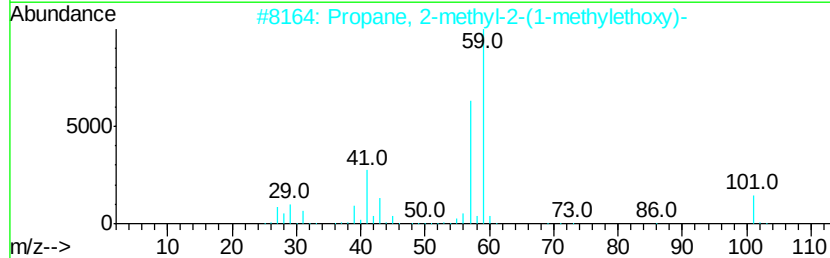
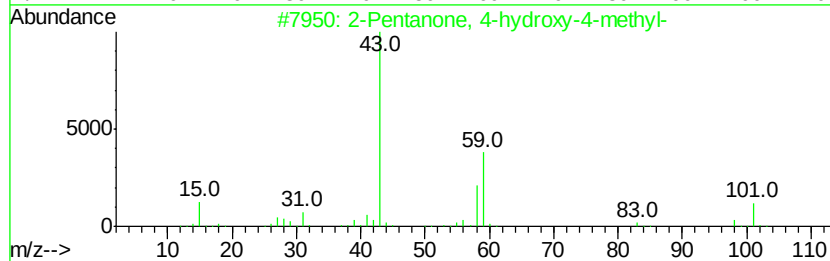
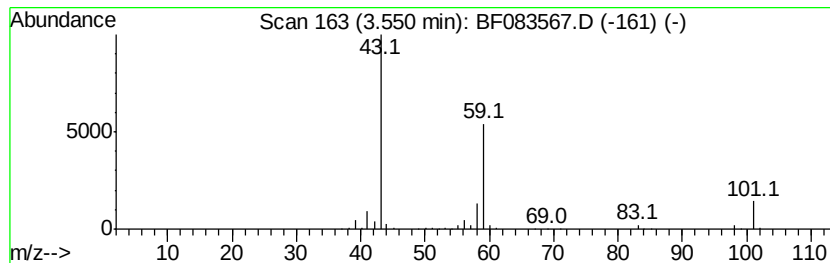
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF120415.M  
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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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. |
|------|----------|---------|------------------------|------|
| 3.55 | 42.62 ng | 1889950 | 1,4-Dichlorobenzene-d4 | 5.72 |

| Hit# | of | Tentative ID                          | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-      | 116 | C6H12O2  | 000123-42-2 | 64   |
| 2    |    | Propane, 2-methyl-2-(1-methylethoxy)- | 116 | C7H16O   | 017348-59-3 | 53   |
| 3    |    | 3-Hexanol, 4-methyl-                  | 116 | C7H16O   | 000615-29-2 | 33   |
| 4    |    | 2-Hexanol, 2-methyl-                  | 116 | C7H16O   | 000625-23-0 | 33   |
| 5    |    | Acetic acid, cyano-, 1,1-dimethyl-    | 141 | C7H11NO2 | 001116-98-9 | 32   |



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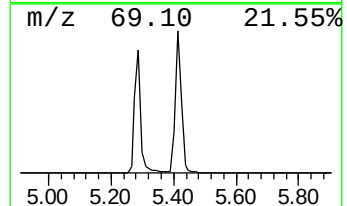
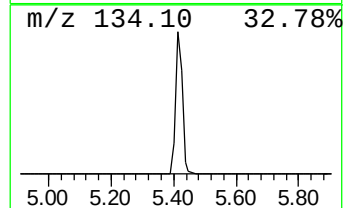
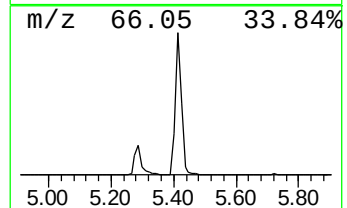
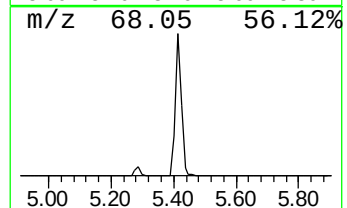
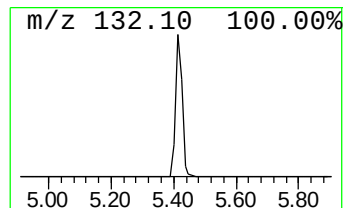
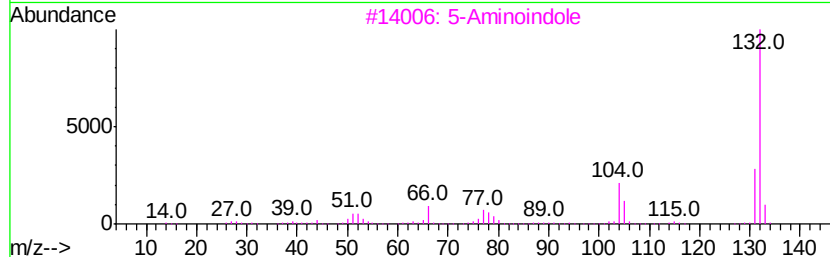
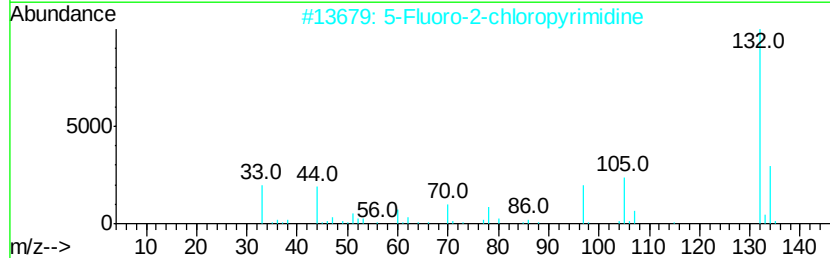
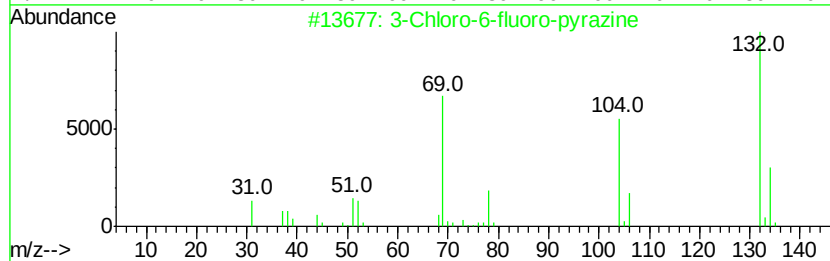
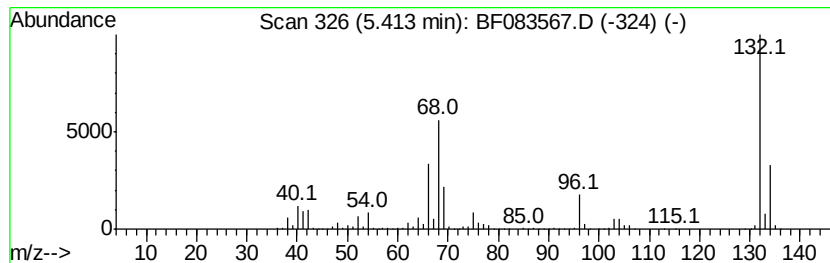
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown5.41 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 5.41 | 110.80 ng | 4913200 | 1,4-Dichlorobenzene-d4 | 5.72 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 3    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 10   |
| 4    |    | (5-METHYL-2-PYRIDYL)ACETONITRILE | 132 | C8H8N2    | 1000241-93-9 | 10   |
| 5    |    | 2-Cyclohexen-1-one               | 96  | C6H8O     | 000930-68-7  | 10   |



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TP2(18-24)

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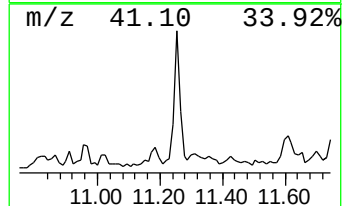
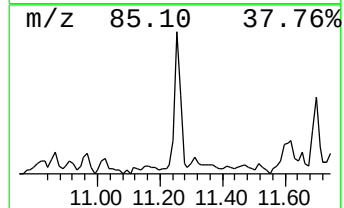
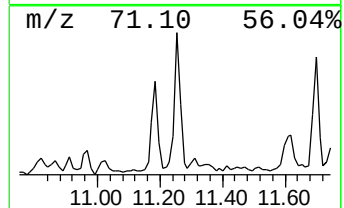
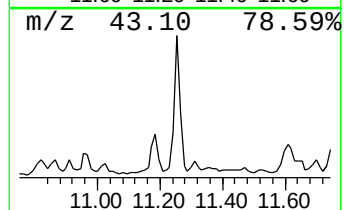
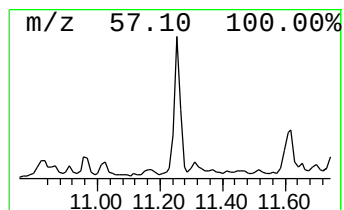
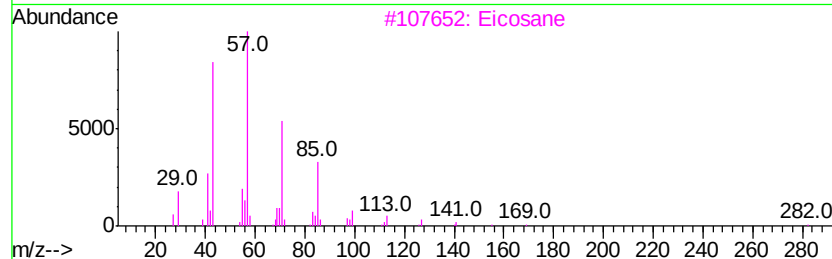
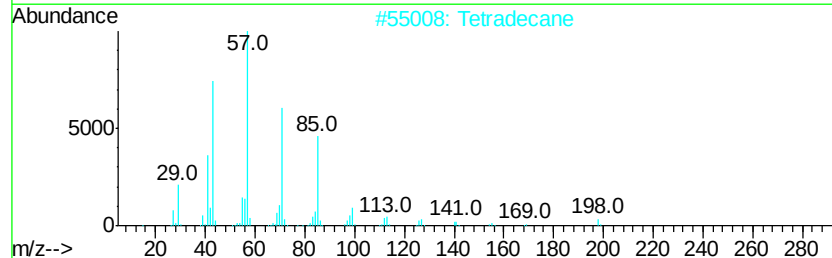
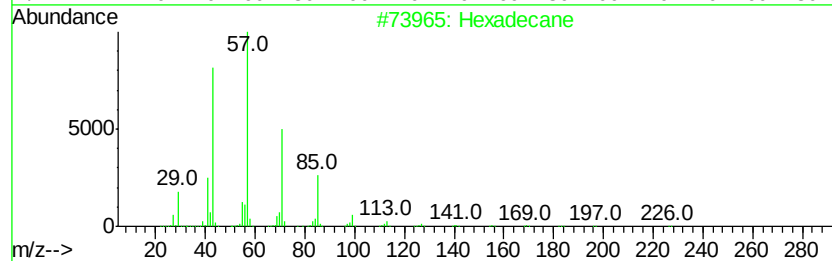
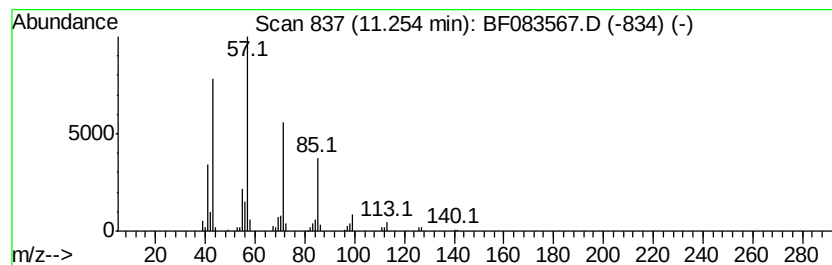
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Hexadecane Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.25 | 2.62 ng | 182343 | Acenaphthene-d10 | 10.41 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane            | 226 | C16H34  | 000544-76-3 | 91   |
| 2    |    | Tetradecane           | 198 | C14H30  | 000629-59-4 | 90   |
| 3    |    | Eicosane              | 282 | C20H42  | 000112-95-8 | 83   |
| 4    |    | Tridecane             | 184 | C13H28  | 000629-50-5 | 72   |
| 5    |    | Nonane, 3,7-dimethyl- | 156 | C11H24  | 017302-32-8 | 59   |



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TP2(18-24)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF120415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

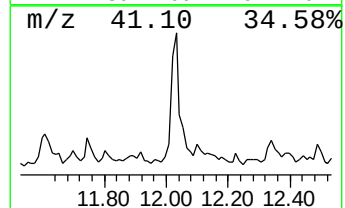
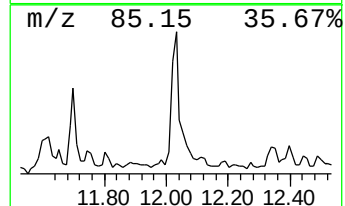
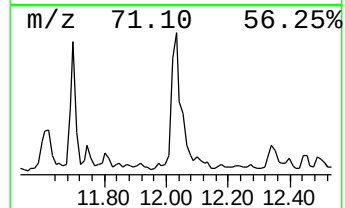
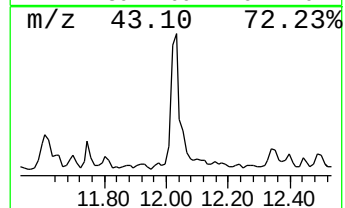
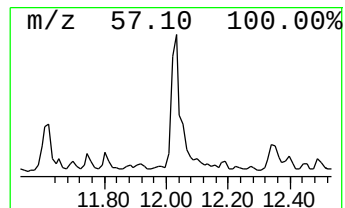
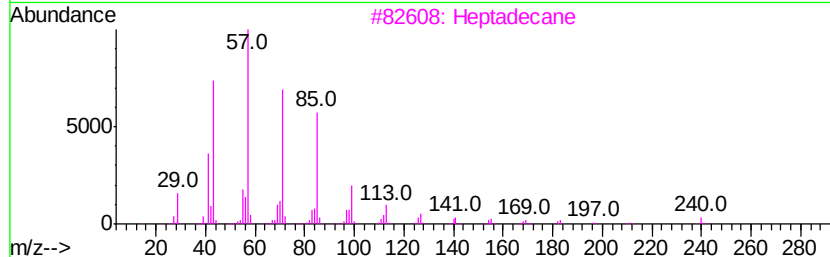
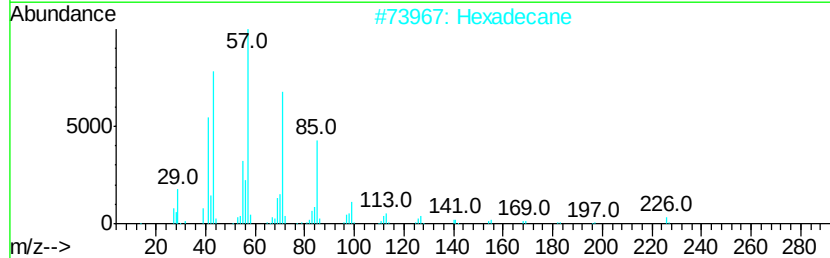
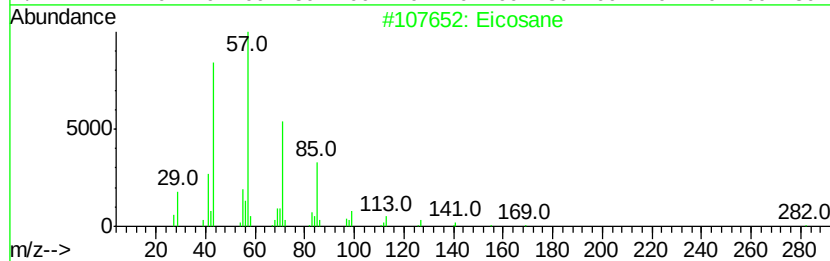
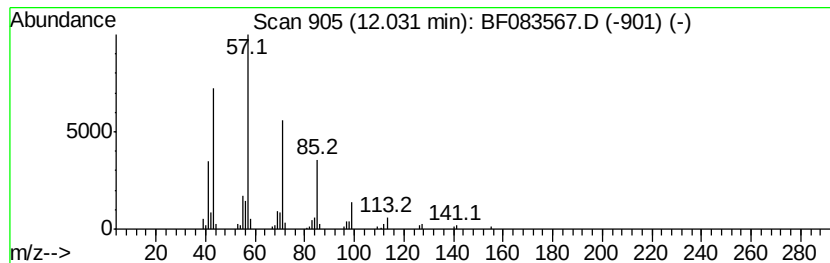
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Eicosane Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.03 | 4.30 ng | 258122 | Phenanthrene-d10 | 12.81 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane                            | 282 | C20H42  | 000112-95-8 | 91   |
| 2    |    | Hexadecane                          | 226 | C16H34  | 000544-76-3 | 86   |
| 3    |    | Heptadecane                         | 240 | C17H36  | 000629-78-7 | 83   |
| 4    |    | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 78   |
| 5    |    | Pentadecane                         | 212 | C15H32  | 000629-62-9 | 72   |



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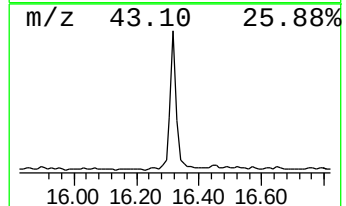
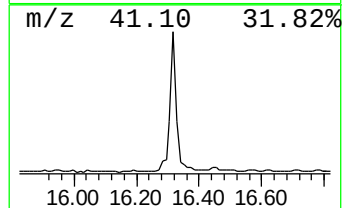
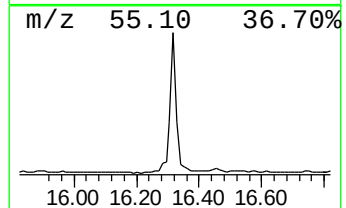
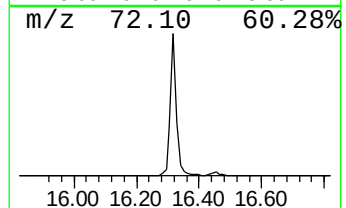
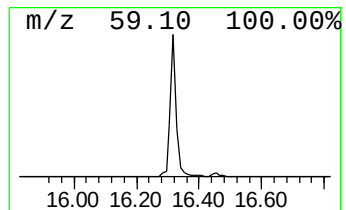
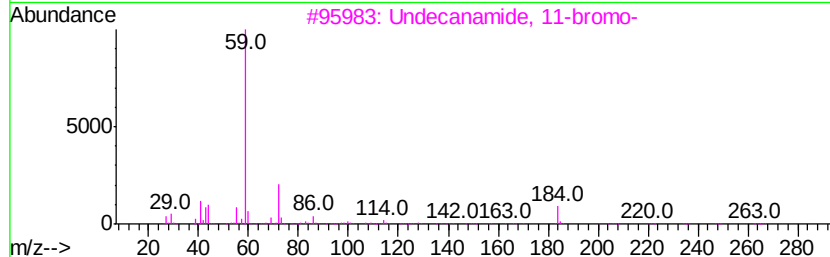
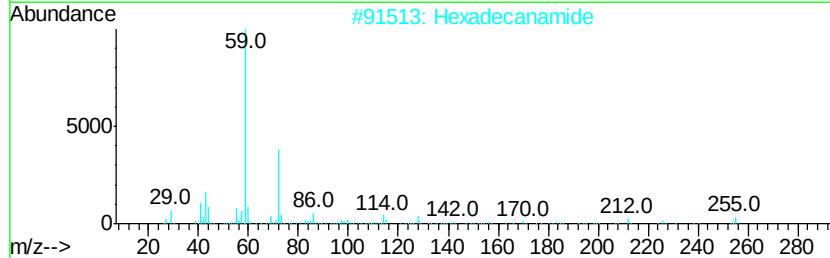
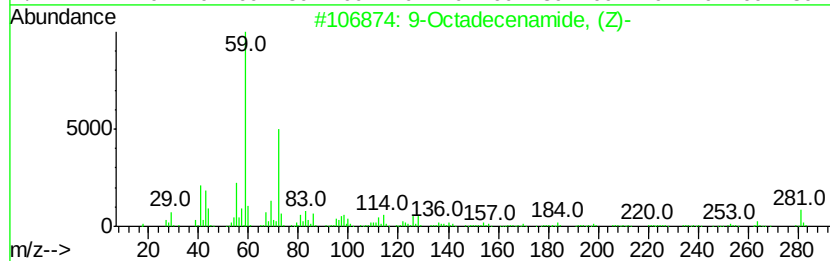
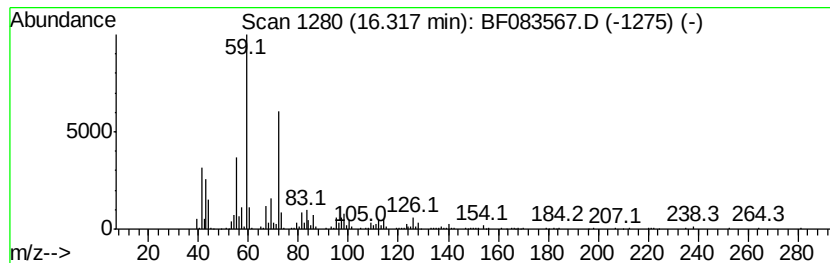
Instrument :  
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ClientSampleId :  
TP2(18-24)

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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 6 9-Octadecenamide, (Z)- Concentration Rank 4

| R.T.    | EstConc  | Area                    | Relative to ISTD | R.T.           |
|---------|----------|-------------------------|------------------|----------------|
| 16.32   | 18.98 ng | 804084                  | Chrysene-d12     | 17.01          |
| Hit# of | 5        | Tentative ID            | MW MolForm       | CAS# Qual      |
| 1       |          | 9-Octadecenamide, (Z)-  | 281 C18H35NO     | 000301-02-0 83 |
| 2       |          | Hexadecanamide          | 255 C16H33NO     | 000629-54-9 56 |
| 3       |          | Undecanamide, 11-bromo- | 263 C11H22BrNO   | 005875-26-3 53 |
| 4       |          | Pentanamide, 4-methyl-  | 115 C6H13NO      | 001119-29-5 47 |
| 5       |          | Tetradecanamide         | 227 C14H29NO     | 000638-58-4 45 |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120715\  
Data File : BF083567.D  
Acq On : 7 Dec 2015 20:29  
Operator : UM/IZ  
Sample : G4579-04  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP2(18-24)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF120415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

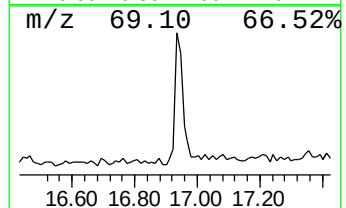
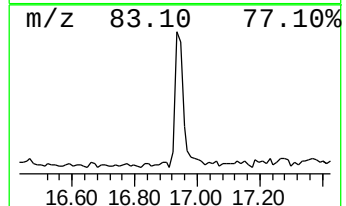
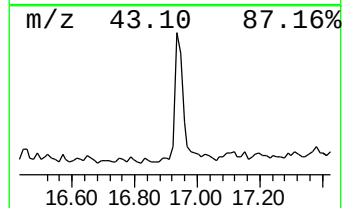
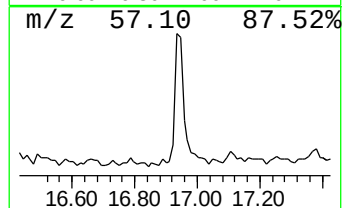
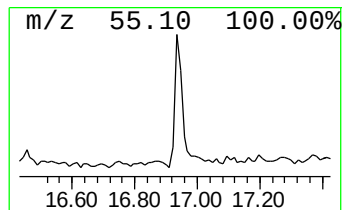
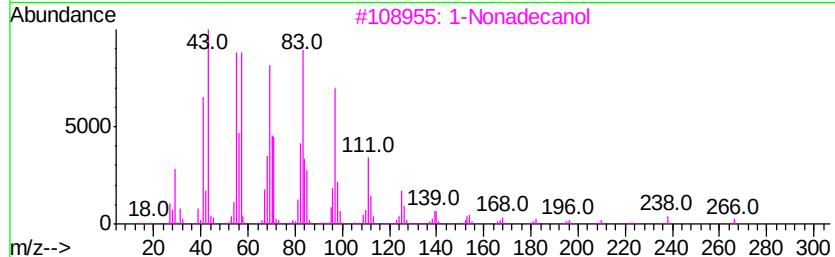
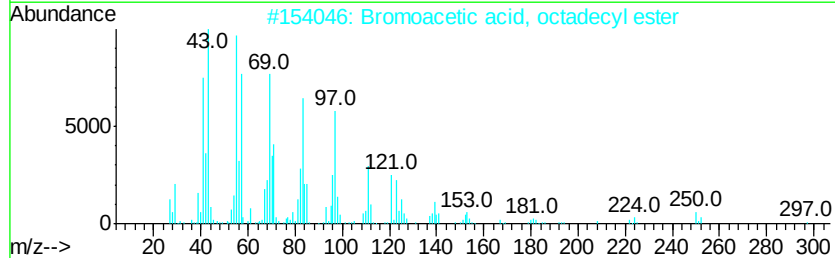
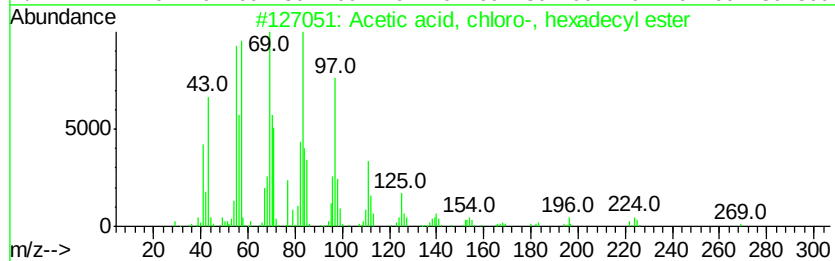
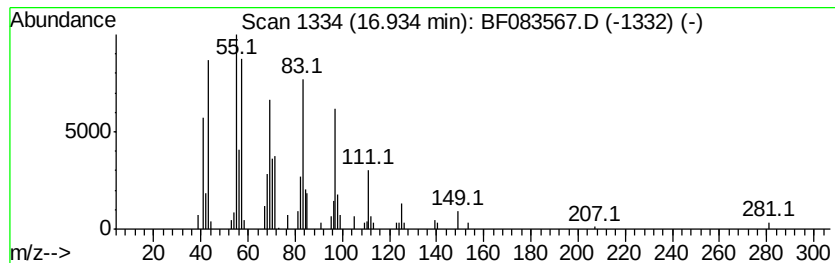
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Acetic acid, chloro-, hexad... Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.93 | 3.96 ng | 167908 | Chrysene-d12     | 17.01 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Acetic acid, chloro-, hexadecyl ... | 318 | C18H35ClO2 | 052132-58-8 | 90   |
| 2    |    | Bromoacetic acid, octadecyl ester   | 390 | C20H39BrO2 | 018992-03-5 | 90   |
| 3    |    | 1-Nonadecanol                       | 284 | C19H40O    | 001454-84-8 | 90   |
| 4    |    | 1-Octadecanol                       | 270 | C18H38O    | 000112-92-5 | 90   |
| 5    |    | Bromoacetic acid, pentadecyl ester  | 348 | C17H33BrO2 | 131143-01-6 | 87   |





Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120715\  
Data File : BF083567.D  
Acq On : 7 Dec 2015 20:29  
Operator : UM/IZ  
Sample : G4579-04  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP2(18-24)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF120415.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... | 3.55  | 42.6    | ng    | 1889950  | 1                     | 5.72  | 886863  | 20.0 |
| unknown5.41          | 5.41  | 110.8   | ng    | 4913200  | 1                     | 5.72  | 886863  | 20.0 |
| Hexadecane           | 11.25 | 2.6     | ng    | 182343   | 3                     | 10.41 | 1392870 | 20.0 |
| Eicosane             | 12.03 | 4.3     | ng    | 258122   | 4                     | 12.81 | 1201240 | 20.0 |
| 9-Octadecenamide,... | 16.32 | 19.0    | ng    | 804084   | 5                     | 17.01 | 847114  | 20.0 |
| Acetic acid, chlo... | 16.93 | 4.0     | ng    | 167908   | 5                     | 17.01 | 847114  | 20.0 |