

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\  
 Data File : BF104370.D  
 Acq On : 9 Apr 2018 14:24  
 Operator : JU/SJ  
 Sample : J2256-01  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-BPM-02-004-ABCD

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-BF040618.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         | 5.028       | 488           | 500         | 509          | rBV      | 134870         | 194375        | 5.03%           | 0.598%        |
| 2         | 5.416       | 560           | 566         | 569          | rBV      | 3140754        | 3659676       | 94.71%          | 11.262%       |
| 3         | 6.434       | 732           | 739         | 742          | rBV      | 3025047        | 3723892       | 96.37%          | 11.459%       |
| 4         | 6.575       | 757           | 763         | 766          | rBV      | 3558695        | 3675383       | 95.12%          | 11.310%       |
| 5         | 6.628       | 769           | 772         | 778          | rVB      | 95769          | 71609         | 1.85%           | 0.220%        |
| 6         | 6.804       | 798           | 802         | 805          | rBV      | 1026460        | 788814        | 20.41%          | 2.427%        |
| 7         | 6.963       | 824           | 829         | 832          | rBV      | 3145815        | 2827427       | 73.17%          | 8.701%        |
| 8         | 7.369       | 892           | 898         | 901          | rBV      | 2275588        | 2343853       | 60.66%          | 7.213%        |
| 9         | 8.087       | 1016          | 1020        | 1023         | rBV      | 1354682        | 1065820       | 27.58%          | 3.280%        |
| 10        | 9.163       | 1198          | 1203        | 1206         | rBV      | 3833604        | 3864028       | 100.00%         | 11.891%       |
| 11        | 9.557       | 1266          | 1270        | 1273         | rBV      | 263463         | 211212        | 5.47%           | 0.650%        |
| 12        | 9.775       | 1304          | 1307        | 1310         | rVB      | 74809          | 65119         | 1.69%           | 0.200%        |
| 13        | 9.839       | 1314          | 1318        | 1322         | rVB2     | 1318768        | 1165789       | 30.17%          | 3.587%        |
| 14        | 10.275      | 1389          | 1392        | 1394         | rVB      | 102952         | 83194         | 2.15%           | 0.256%        |
| 15        | 10.633      | 1447          | 1453        | 1456         | rBV      | 2454978        | 2390235       | 61.86%          | 7.355%        |
| 16        | 10.745      | 1469          | 1472        | 1481         | rBV      | 103294         | 97644         | 2.53%           | 0.300%        |
| 17        | 11.192      | 1545          | 1548        | 1551         | rBV      | 47071          | 43762         | 1.13%           | 0.135%        |
| 18        | 11.328      | 1567          | 1571        | 1575         | rBV      | 1262797        | 1070853       | 27.71%          | 3.295%        |
| 19        | 11.857      | 1657          | 1661        | 1671         | rBV2     | 194809         | 183836        | 4.76%           | 0.566%        |
| 20        | 12.922      | 1837          | 1842        | 1845         | rBV      | 3193103        | 2975283       | 77.00%          | 9.156%        |
| 21        | 13.810      | 1990          | 1993        | 2001         | rBV      | 367129         | 363959        | 9.42%           | 1.120%        |
| 22        | 13.969      | 2016          | 2020        | 2024         | rBV      | 851773         | 716274        | 18.54%          | 2.204%        |
| 23        | 14.457      | 2099          | 2103        | 2112         | rBV4     | 32961          | 43590         | 1.13%           | 0.134%        |
| 24        | 15.433      | 2263          | 2269        | 2273         | rBV      | 652232         | 787093        | 20.37%          | 2.422%        |
| 25        | 15.945      | 2352          | 2356        | 2364         | rBV      | 50310          | 83728         | 2.17%           | 0.258%        |

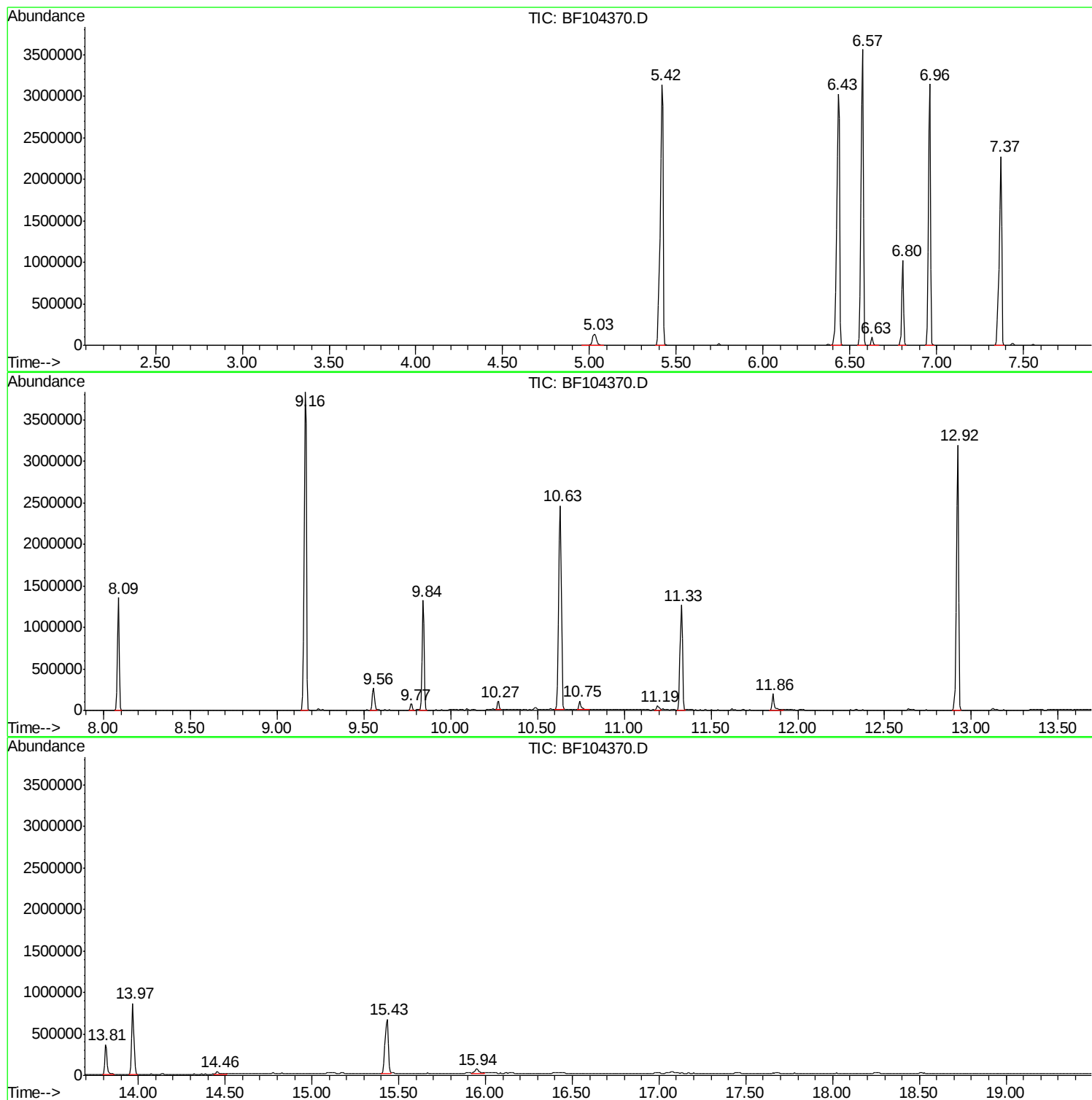
Sum of corrected areas: 32496448

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\  
Data File : BF104370.D  
Acq On : 9 Apr 2018 14:24  
Operator : JU/SJ  
Sample : J2256-01  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
FK-BPM-02-004-ABCD

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF040918\  
Data File : BF104370.D  
Acq On : 9 Apr 2018 14:24  
Operator : JU/SJ  
Sample : J2256-01  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

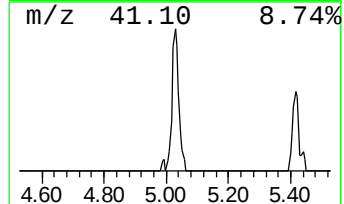
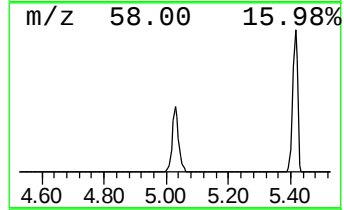
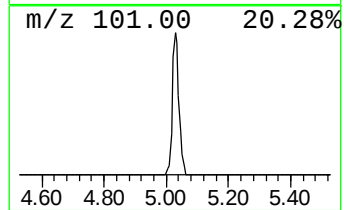
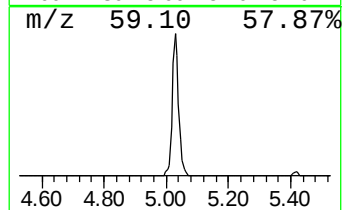
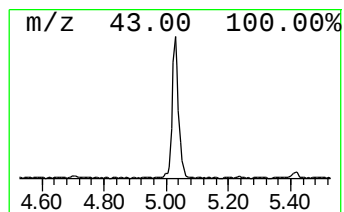
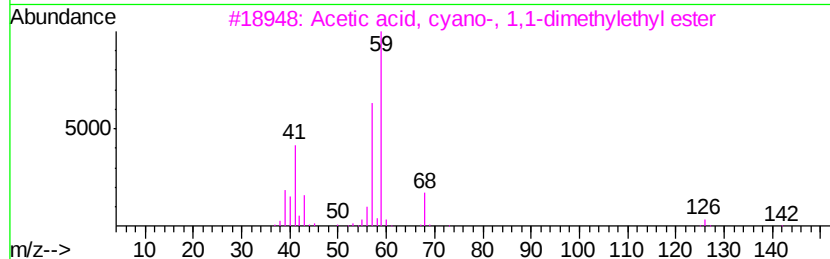
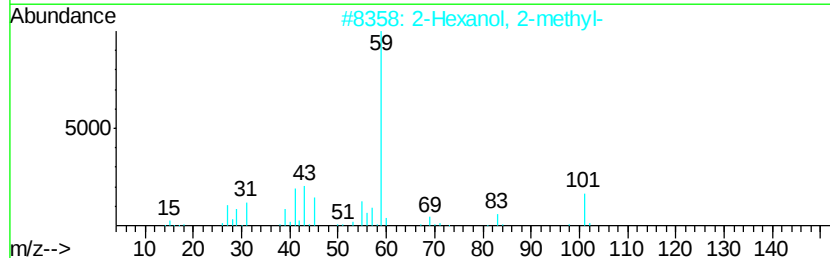
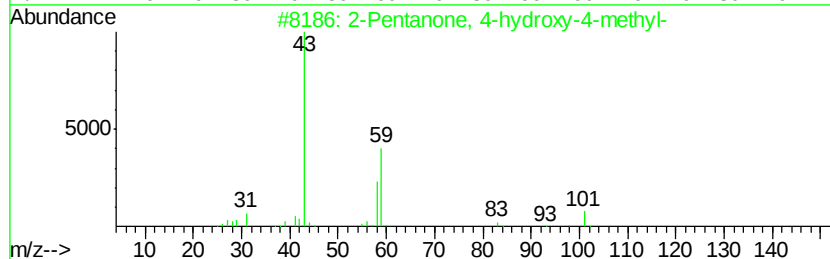
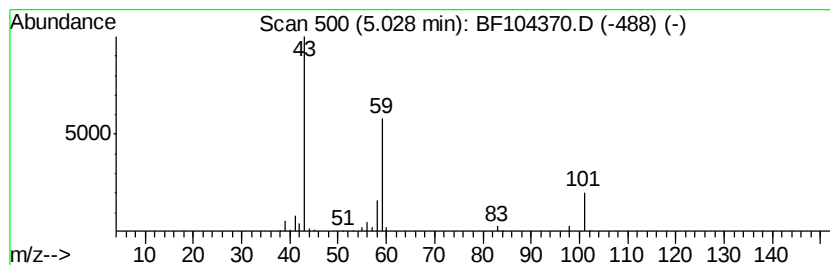
Instrument :  
BNA\_F  
ClientSampleId :  
FK-BPM-02-004-ABCD

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T.      | EstConc                              | Area   | Relative to ISTD       | R.T.        |      |
|-----------|--------------------------------------|--------|------------------------|-------------|------|
| 5.03      | 4.93 ng                              | 194375 | 1,4-Dichlorobenzene-d4 | 6.80        |      |
| Hit# of 5 | Tentative ID                         | MW     | MolForm                | CAS#        | Qual |
| 1         | 2-Pentanone, 4-hydroxy-4-methyl-     | 116    | C6H12O2                | 000123-42-2 | 56   |
| 2         | 2-Hexanol, 2-methyl-                 | 116    | C7H16O                 | 000625-23-0 | 23   |
| 3         | Acetic acid, cyano-, 1,1-dimethyl... | 141    | C7H11NO2               | 001116-98-9 | 17   |
| 4         | 1-Propen-2-ol, acetate               | 100    | C5H8O2                 | 000108-22-5 | 9    |
| 5         | 3-Pentanol, 2-methyl-                | 102    | C6H14O                 | 000565-67-3 | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF040918\  
Data File : BF104370.D  
Acq On : 9 Apr 2018 14:24  
Operator : JU/SJ  
Sample : J2256-01  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
FK-BPM-02-004-ABCD

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

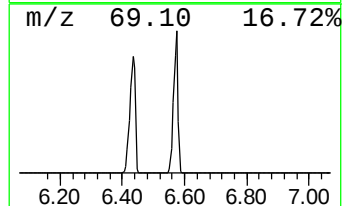
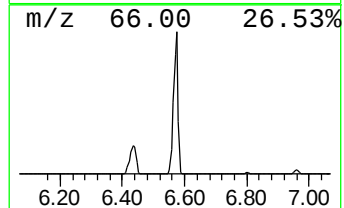
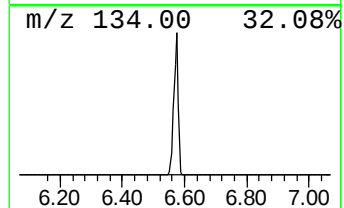
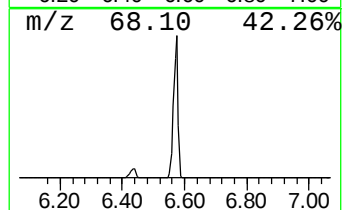
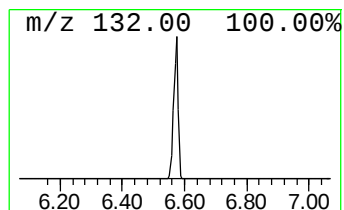
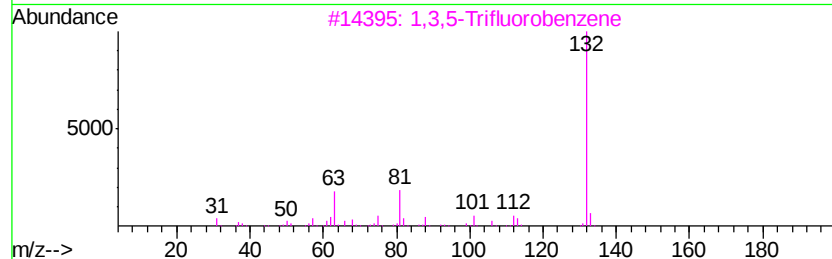
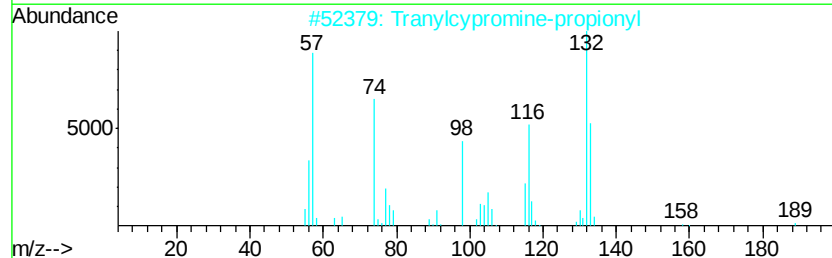
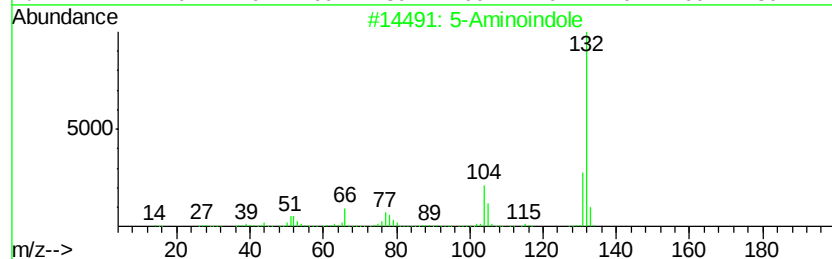
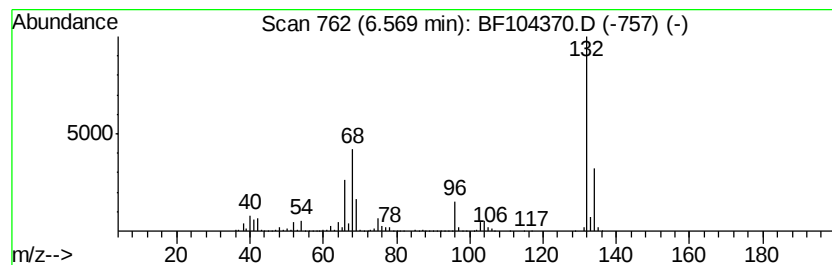
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown6.57 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.57 | 93.19 ng | 3675380 | 1,4-Dichlorobenzene-d4 | 6.80 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | 5-Aminoindole                       | 132 | C8H8N2   | 005192-03-0  | 12   |
| 2    |    | Tranylcypromine-propionyl           | 189 | C12H15NO | 1000123-86-3 | 10   |
| 3    |    | 1,3,5-Trifluorobenzene              | 132 | C6H3F3   | 000372-38-3  | 9    |
| 4    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12   | 028749-81-7  | 9    |
| 5    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO  | 031357-76-3  | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF040918\  
Data File : BF104370.D  
Acq On : 9 Apr 2018 14:24  
Operator : JU/SJ  
Sample : J2256-01  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
FK-BPM-02-004-ABCD

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

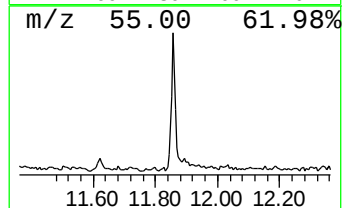
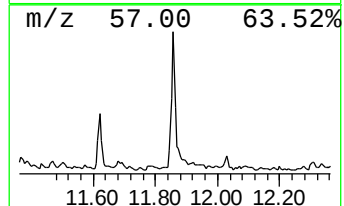
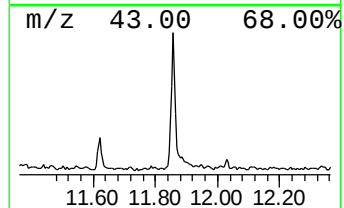
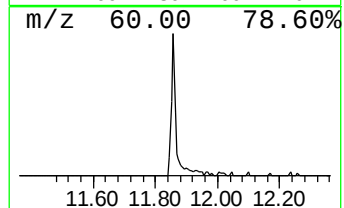
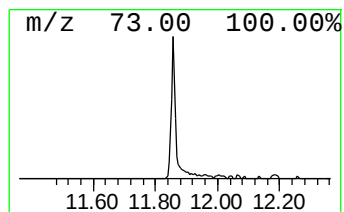
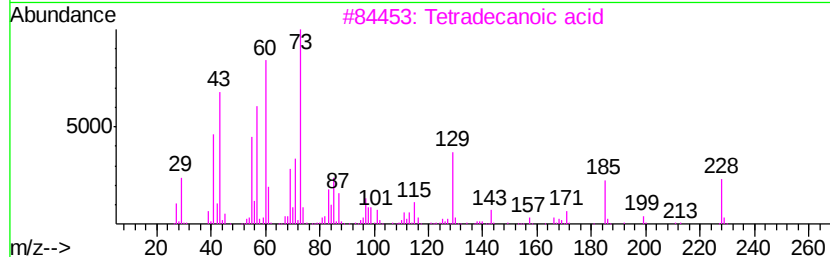
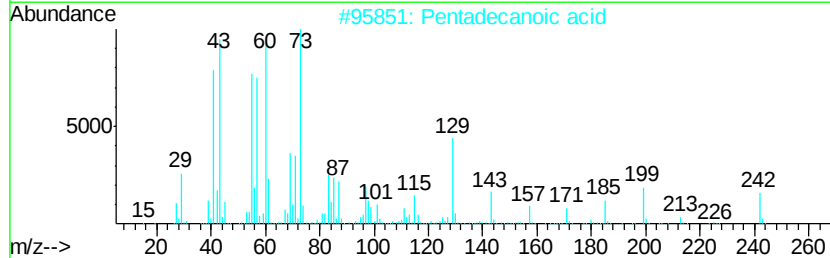
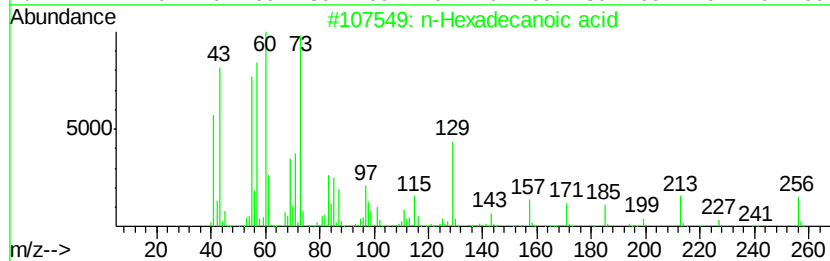
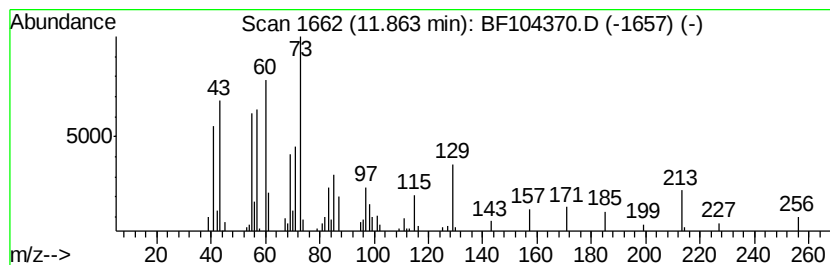
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 n-Hexadecanoic acid Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.86 | 3.43 ng | 183836 | Phenanthrene-d10 | 11.33 |

| Hit# of | 5 | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|---------|---|------------------------------------|-----|----------|--------------|------|
| 1       |   | n-Hexadecanoic acid                | 256 | C16H32O2 | 000057-10-3  | 99   |
| 2       |   | Pentadecanoic acid                 | 242 | C15H30O2 | 001002-84-2  | 90   |
| 3       |   | Tetradecanoic acid                 | 228 | C14H28O2 | 000544-63-8  | 80   |
| 4       |   | Oxalic acid, allyl octadecyl ester | 382 | C23H42O4 | 1000309-24-5 | 20   |
| 5       |   | Oxalic acid, allyl hexadecyl ester | 354 | C21H38O4 | 1000309-24-4 | 20   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF040918\  
Data File : BF104370.D  
Acq On : 9 Apr 2018 14:24  
Operator : JU/SJ  
Sample : J2256-01  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
FK-BPM-02-004-ABCD

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

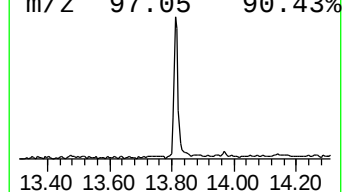
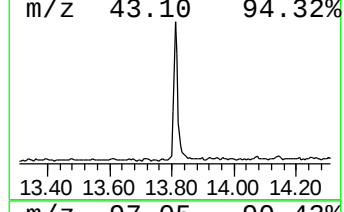
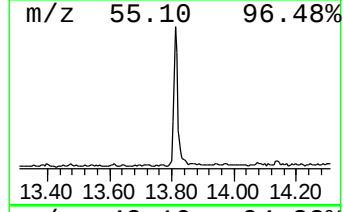
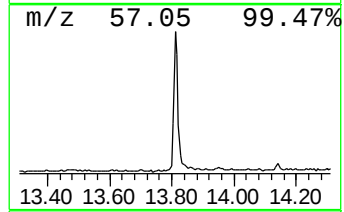
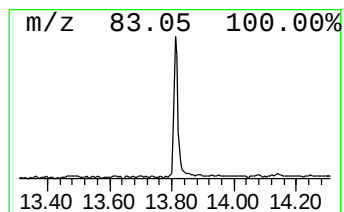
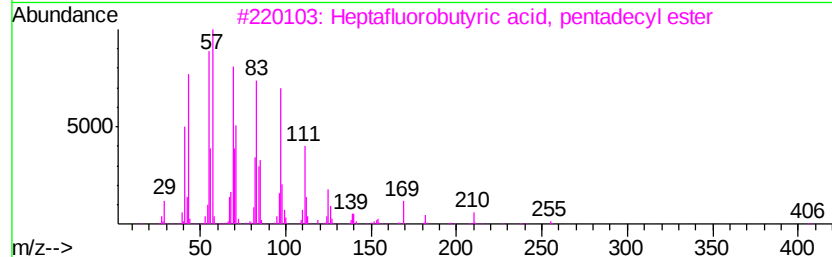
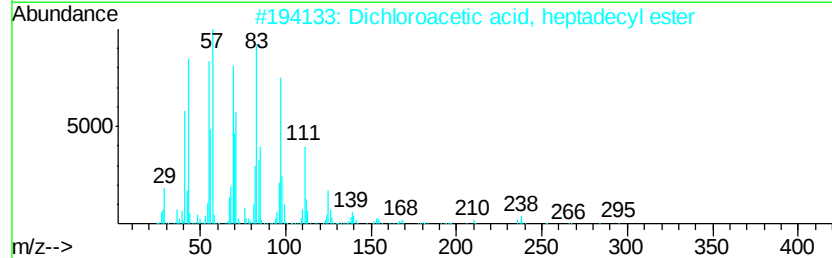
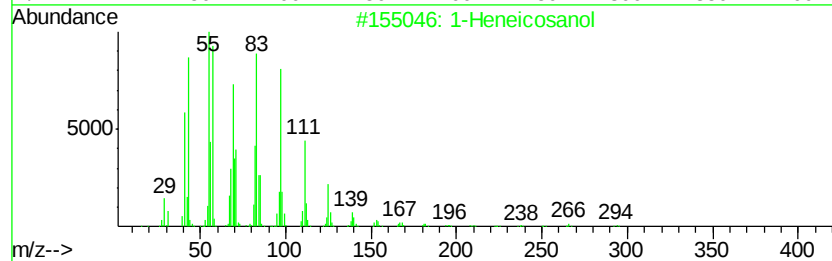
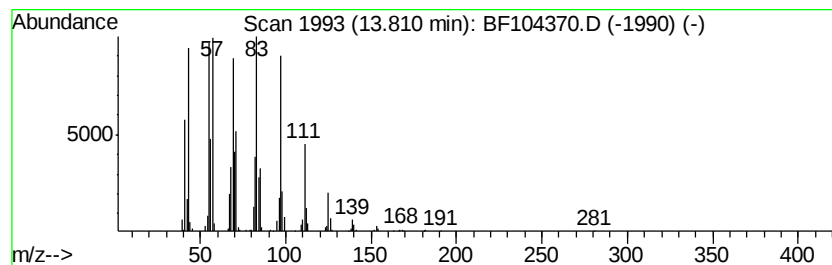
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 1-Heneicosanol Concentration Rank 3

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 13.81 | 10.16 ng | 363959 | Chrysene-d12     | 13.97 |

| Hit# of | 5                                   | Tentative ID | MW  | MolForm     | CAS#         | Qual |
|---------|-------------------------------------|--------------|-----|-------------|--------------|------|
| 1       | 1-Heneicosanol                      |              | 312 | C21H44O     | 015594-90-8  | 95   |
| 2       | Dichloroacetic acid, heptadecyl ... |              | 366 | C19H36Cl2O2 | 1000282-98-2 | 95   |
| 3       | Heptafluorobutyric acid, pentade... |              | 424 | C19H31F7O2  | 959261-23-5  | 94   |
| 4       | Behenic alcohol                     |              | 326 | C22H46O     | 000661-19-8  | 94   |
| 5       | n-Nonadecanol-1                     |              | 284 | C19H40O     | 001454-84-8  | 93   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF040918\  
Data File : BF104370.D  
Acq On : 9 Apr 2018 14:24  
Operator : JU/SJ  
Sample : J2256-01  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
FK-BPM-02-004-ABCD

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

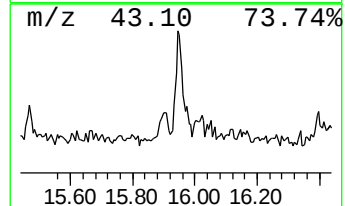
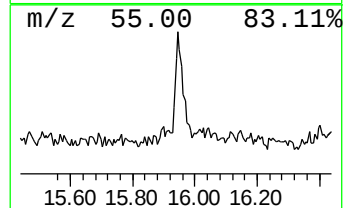
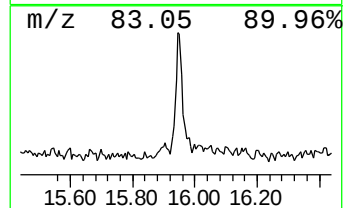
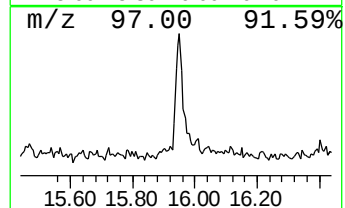
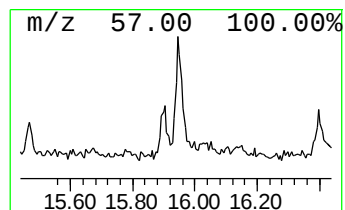
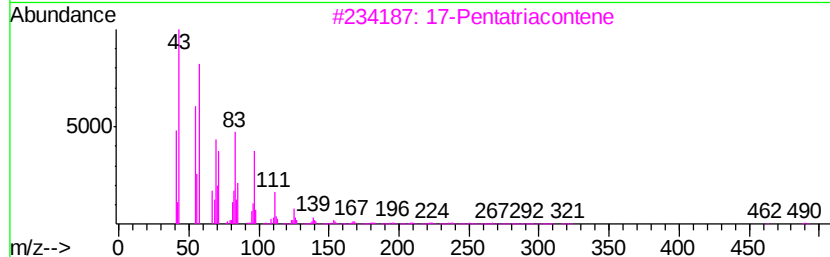
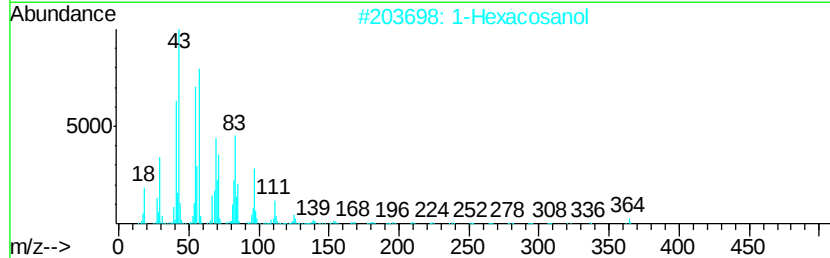
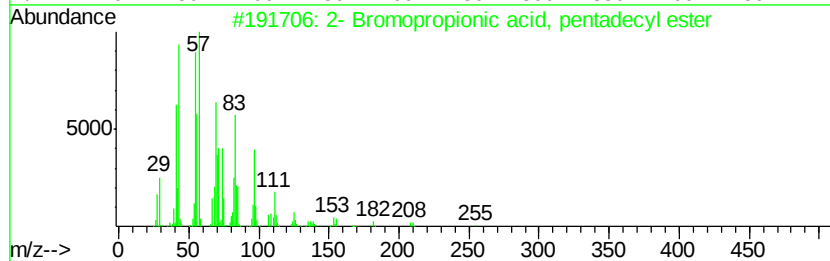
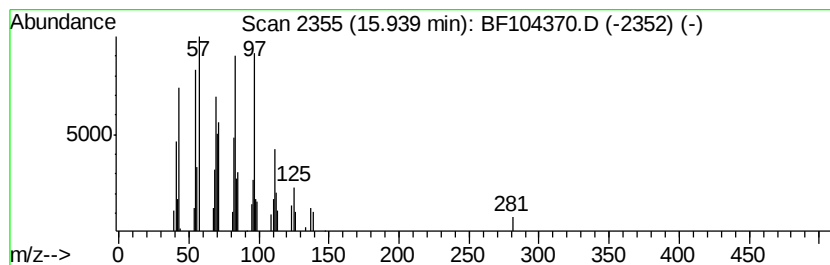
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 2- Bromopropionic acid, pen... Concentration Rank 6

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 15.94 | 2.13 ng | 83728 | Perylene-d12     | 15.43 |

| Hit# of | 5   | Tentative ID                     | MW  | MolForm    | CAS#         | Qual |
|---------|-----|----------------------------------|-----|------------|--------------|------|
| 1       | 2-  | Bromopropionic acid, pentadec... | 362 | C18H35BrO2 | 1000292-44-2 | 87   |
| 2       | 1-  | Hexacosanol                      | 382 | C26H54O    | 000506-52-5  | 83   |
| 3       | 17- | Pentatriacontene                 | 491 | C35H70     | 006971-40-0  | 74   |
| 4       | 1-  | Hexadecanol                      | 242 | C16H34O    | 036653-82-4  | 74   |
| 5       | Iso | heptadecanol                     | 256 | C17H36O    | 057289-07-3  | 74   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF040918\  
Data File : BF104370.D  
Acq On : 9 Apr 2018 14:24  
Operator : JU/SJ  
Sample : J2256-01  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
FK-BPM-02-004-ABCD

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pentanone, 4-hy... | 5.03  | 4.9     | ng    | 194375   | 1                     | 6.80  | 788814  | 20.0 |
| unknown6.57          | 6.57  | 93.2    | ng    | 3675380  | 1                     | 6.80  | 788814  | 20.0 |
| n-Hexadecanoic acid  | 11.86 | 3.4     | ng    | 183836   | 4                     | 11.33 | 1070850 | 20.0 |
| 1-Heneicosanol       | 13.81 | 10.2    | ng    | 363959   | 5                     | 13.97 | 716274  | 20.0 |
| 2- Bromopropionic... | 15.94 | 2.1     | ng    | 83728    | 6                     | 15.43 | 787093  | 20.0 |