

Data Path : U:\HPCHEM1\BNA\_F\DATA\BF082117\  
 Data File : BF097927.D  
 Acq On : 22 Aug 2017 1:25  
 Operator : SJ/JU  
 Sample : I4890-02  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CLEAN-SAND-7

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-BF081517.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         | 4.951       | 483           | 487         | 497          | rVB      | 207115         | 283340        | 10.60%          | 1.371%        |
| 2         | 5.363       | 552           | 557         | 560          | rBV      | 2497602        | 2507487       | 93.77%          | 12.137%       |
| 3         | 6.387       | 725           | 731         | 743          | rVB      | 2521171        | 2673972       | 100.00%         | 12.943%       |
| 4         | 6.516       | 749           | 753         | 757          | rBV      | 2500962        | 2422224       | 90.59%          | 11.724%       |
| 5         | 6.751       | 789           | 793         | 796          | rBV      | 819059         | 694200        | 25.96%          | 3.360%        |
| 6         | 6.904       | 815           | 819         | 822          | rBV      | 2121638        | 1832144       | 68.52%          | 8.868%        |
| 7         | 7.310       | 883           | 888         | 891          | rBV      | 1542029        | 1455811       | 54.44%          | 7.046%        |
| 8         | 8.034       | 1006          | 1011        | 1014         | rBV      | 970358         | 851439        | 31.84%          | 4.121%        |
| 9         | 9.110       | 1189          | 1194        | 1197         | rBV      | 2571006        | 2285310       | 85.46%          | 11.061%       |
| 10        | 9.498       | 1256          | 1260        | 1264         | rBV      | 280222         | 235809        | 8.82%           | 1.141%        |
| 11        | 9.781       | 1304          | 1308        | 1312         | rBV      | 840582         | 763597        | 28.56%          | 3.696%        |
| 12        | 10.569      | 1438          | 1442        | 1445         | rBV      | 1268364        | 1090193       | 40.77%          | 5.277%        |
| 13        | 10.692      | 1460          | 1463        | 1470         | rBV      | 34200          | 36184         | 1.35%           | 0.175%        |
| 14        | 11.263      | 1556          | 1560        | 1564         | rBV      | 816959         | 655662        | 24.52%          | 3.174%        |
| 15        | 12.851      | 1825          | 1830        | 1833         | rBV      | 1897231        | 1701045       | 63.61%          | 8.233%        |
| 16        | 13.751      | 1979          | 1983        | 1989         | rBV2     | 66096          | 79086         | 2.96%           | 0.383%        |
| 17        | 13.892      | 2003          | 2007        | 2011         | rBV      | 656335         | 649488        | 24.29%          | 3.144%        |
| 18        | 15.316      | 2244          | 2249        | 2253         | rBV      | 365532         | 443117        | 16.57%          | 2.145%        |

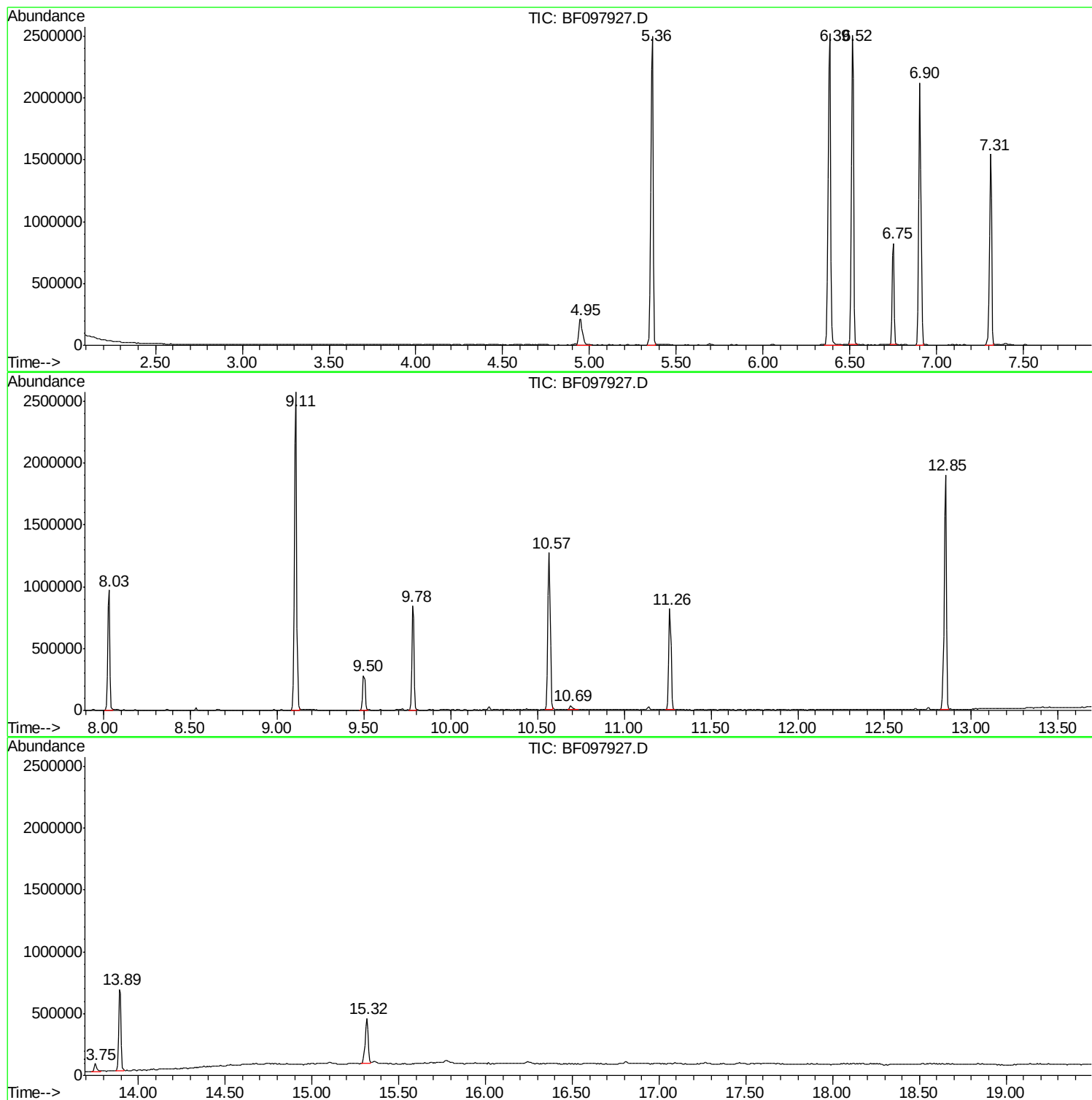
Sum of corrected areas: 20660108

Data Path : U:\HPCHEM1\BNA\_F\DATA\BF082117\  
Data File : BF097927.D  
Acq On : 22 Aug 2017 1:25  
Operator : SJ/JU  
Sample : I4890-02  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CLEAN-SAND-7

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\  
Data File : BF097927.D  
Acq On : 22 Aug 2017 1:25  
Operator : SJ/JU  
Sample : I4890-02  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CLEAN-SAND-7

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

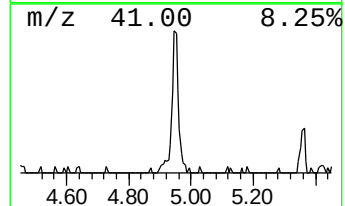
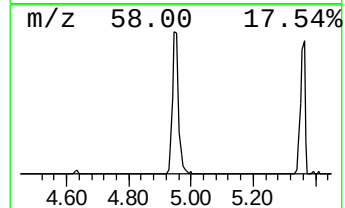
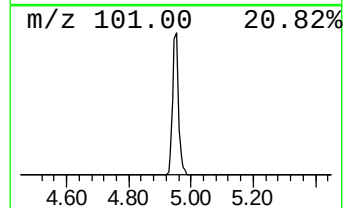
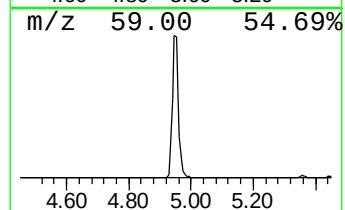
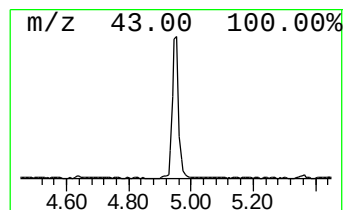
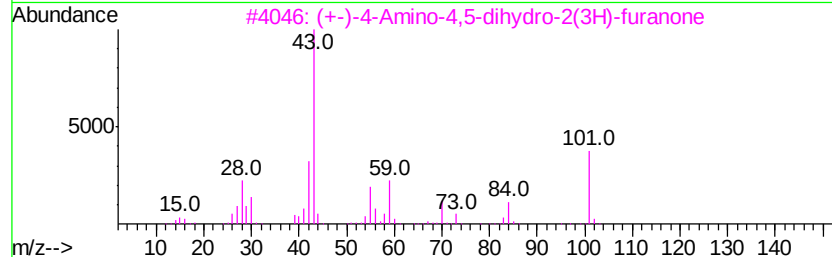
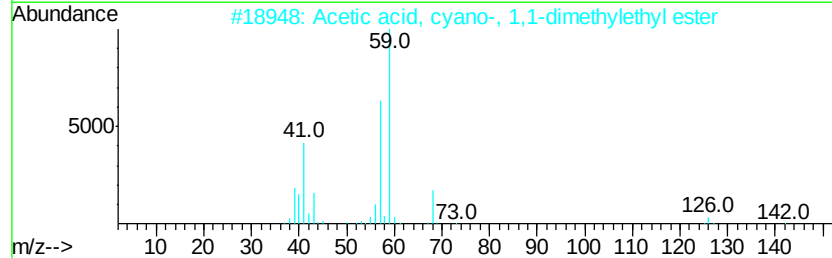
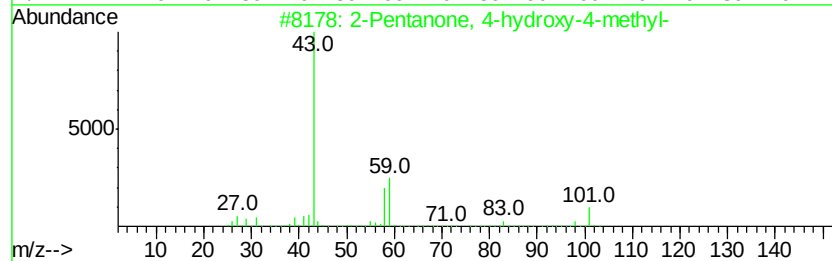
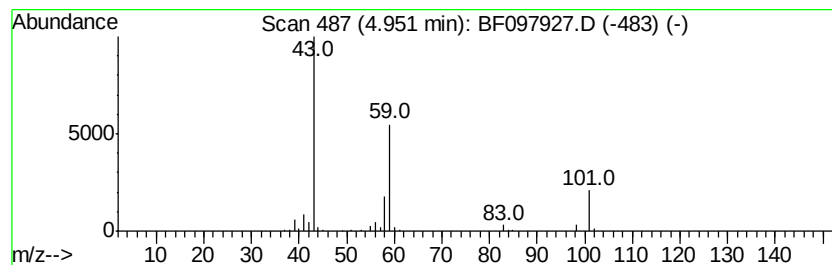
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.95 | 8.16 ng | 283340 | 1,4-Dichlorobenzene-d4 | 6.75 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2    |    |   | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 23   |
| 3    |    |   | (+)-4-Amino-4,5-dihydro-2(3H)-f...   | 101 | C4H7NO2  | 016504-58-8 | 9    |
| 4    |    |   | Butane, 1-ethoxy-                    | 102 | C6H14O   | 000628-81-9 | 9    |
| 5    |    |   | Morpholine, 4-methyl-                | 101 | C5H11NO  | 000109-02-4 | 9    |



Data Path : U:\HPCHEM1\BNA\_F\DATA\BF082117\  
Data File : BF097927.D  
Acq On : 22 Aug 2017 1:25  
Operator : SJ/JU  
Sample : I4890-02  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CLEAN-SAND-7

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

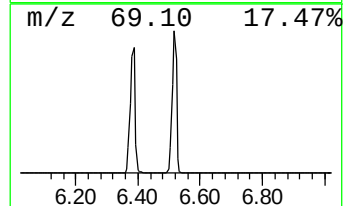
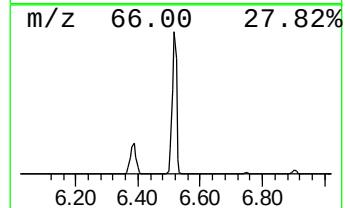
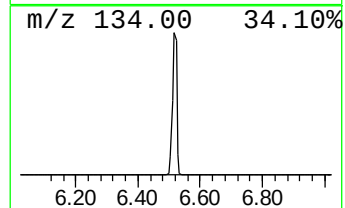
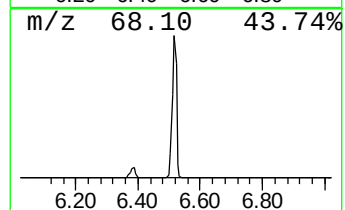
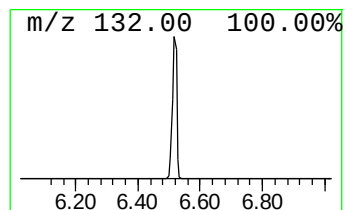
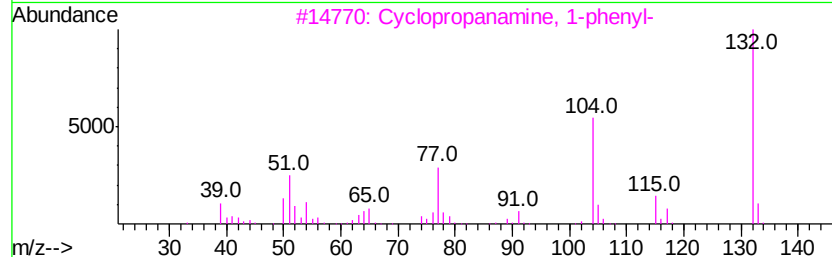
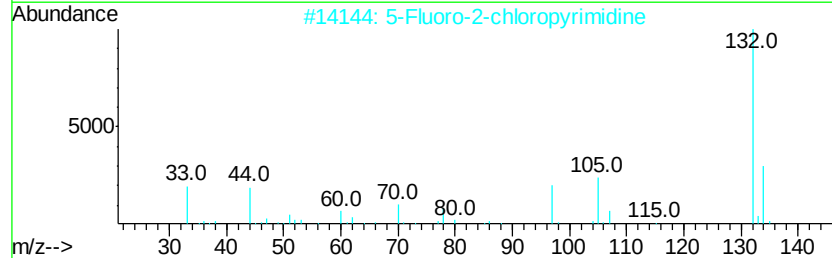
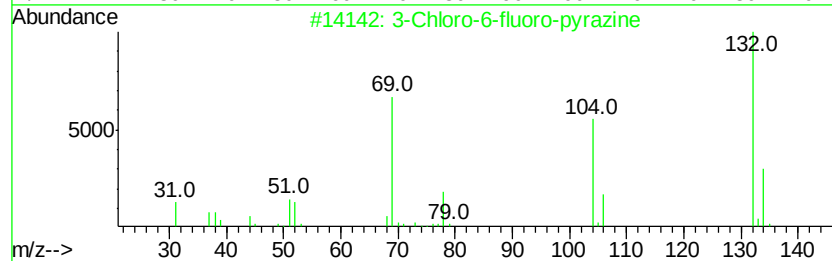
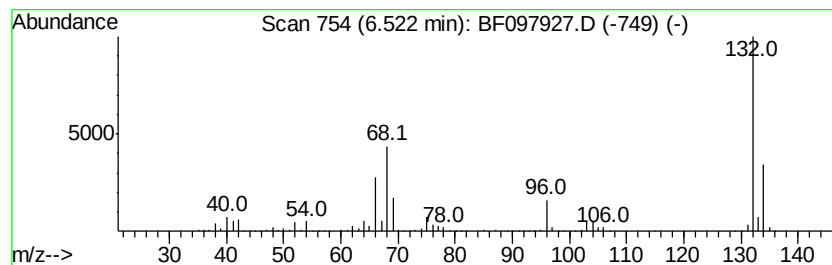
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown6.52 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.52 | 69.78 ng | 2422220 | 1,4-Dichlorobenzene-d4 | 6.75 |

| Hit# | of | Tentative ID                   | MW  | MolForm   | CAS#         | Qual |
|------|----|--------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine     | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 2    |    | 5-Fluoro-2-chloropyrimidine    | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 3    |    | Cyclopropanamine, 1-phenyl-    | 133 | C9H11N    | 1000351-26-2 | 10   |
| 4    |    | 4-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2    | 064608-60-2  | 9    |
| 5    |    | Xenon                          | 132 | Xe        | 007440-63-3  | 9    |



Data Path : U:\HPCHEM1\BNA\_F\DATA\BF082117\  
Data File : BF097927.D  
Acq On : 22 Aug 2017 1:25  
Operator : SJ/JU  
Sample : I4890-02  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

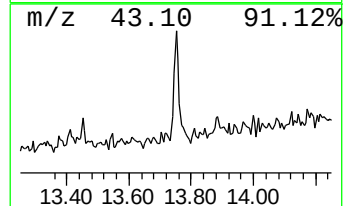
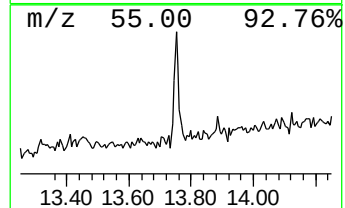
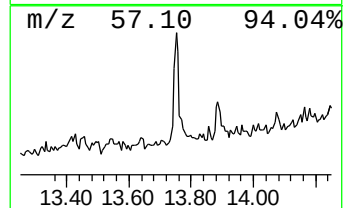
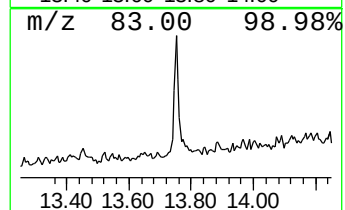
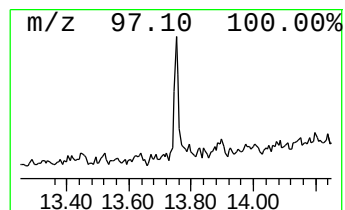
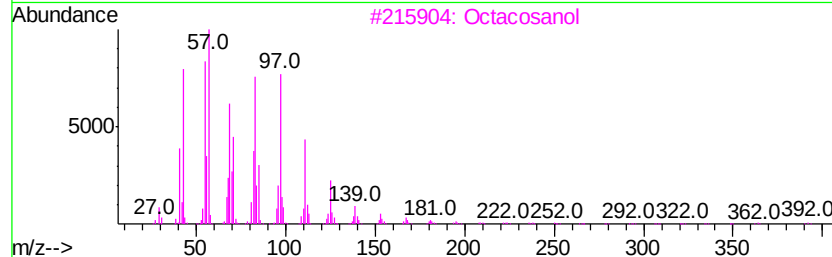
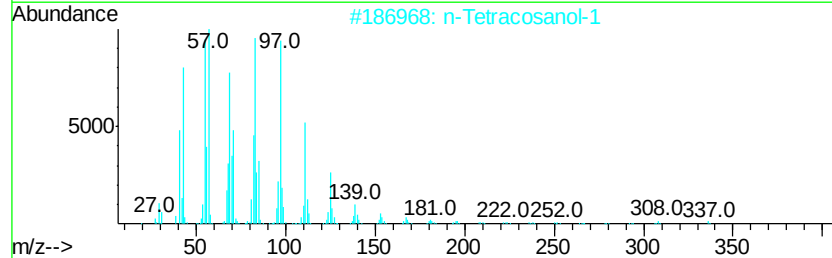
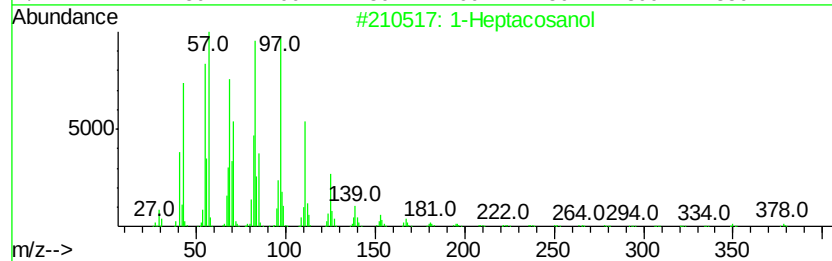
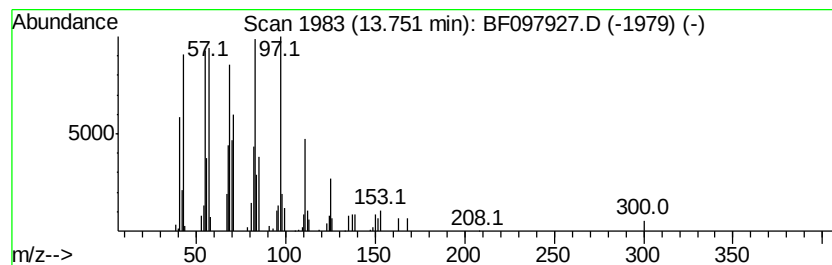
Instrument :  
BNA\_F  
ClientSampleId :  
CLEAN-SAND-7

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 1-Heptacosanol Concentration Rank 4

| R.T.    | EstConc          | Area         | Relative to ISTD | R.T.      |
|---------|------------------|--------------|------------------|-----------|
| 13.75   | 2.44 ng          | 79086        | Chrysene-d12     | 13.90     |
| Hit# of | 5                | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | 1-Heptacosanol   | 396 C27H56O  | 002004-39-9      | 94        |
| 2       | n-Tetracosanol-1 | 354 C24H50O  | 000506-51-4      | 90        |
| 3       | Octacosanol      | 410 C28H58O  | 000557-61-9      | 76        |
| 4       | 1-Hexadecanol    | 242 C16H34O  | 036653-82-4      | 76        |
| 5       | 3-Eicosene, (E)- | 280 C20H40   | 074685-33-9      | 74        |



Data Path : U:\HPCHEM1\BNA\_F\DATA\BF082117\  
Data File : BF097927.D  
Acq On : 22 Aug 2017 1:25  
Operator : SJ/JU  
Sample : I4890-02  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CLEAN-SAND-7

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081517.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... | 4.95  | 8.2     | ng    | 283340   | 1                     | 6.75  | 694200 | 20.0 |
| unknown6.52          | 6.52  | 69.8    | ng    | 2422220  | 1                     | 6.75  | 694200 | 20.0 |
| 1-Heptacosanol       | 13.75 | 2.4     | ng    | 79086    | 5                     | 13.90 | 649488 | 20.0 |