

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF072216\  
 Data File : BF089212.D  
 Acq On : 23 Jul 2016 1:07  
 Operator : UM/SJ  
 Sample : H4154-07  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GCF-NW-1

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-BF072016.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         | 1.713       | 9             | 11          | 31           | rVB      | 793045         | 1443717       | 82.67%          | 9.486%        |
| 2         | 4.719       | 271           | 274         | 285          | rBV      | 35640          | 70969         | 4.06%           | 0.466%        |
| 3         | 5.164       | 311           | 313         | 335          | rBV      | 1074050        | 1374315       | 78.69%          | 9.030%        |
| 4         | 6.239       | 404           | 407         | 414          | rBV      | 1124955        | 1461468       | 83.68%          | 9.603%        |
| 5         | 6.353       | 414           | 417         | 431          | rVB      | 1057566        | 1528980       | 87.55%          | 10.047%       |
| 6         | 6.582       | 434           | 437         | 448          | rBV      | 211423         | 265874        | 15.22%          | 1.747%        |
| 7         | 6.730       | 448           | 450         | 453          | rBV      | 959032         | 1039305       | 59.51%          | 6.829%        |
| 8         | 7.153       | 484           | 487         | 496          | rBV      | 708036         | 951276        | 54.47%          | 6.251%        |
| 9         | 7.862       | 547           | 549         | 560          | rBV      | 348743         | 393374        | 22.52%          | 2.585%        |
| 10        | 8.948       | 641           | 644         | 646          | rBV      | 1419138        | 1746446       | 100.00%         | 11.476%       |
| 11        | 9.348       | 676           | 679         | 681          | rBV      | 381195         | 438699        | 25.12%          | 2.883%        |
| 12        | 9.610       | 699           | 702         | 704          | rBV      | 441463         | 453110        | 25.94%          | 2.977%        |
| 13        | 10.399      | 768           | 771         | 781          | rBV      | 931954         | 1088934       | 62.35%          | 7.155%        |
| 14        | 10.536      | 781           | 783         | 789          | rVB      | 11890          | 21891         | 1.25%           | 0.144%        |
| 15        | 11.085      | 829           | 831         | 835          | rBV      | 452146         | 469178        | 26.86%          | 3.083%        |
| 16        | 12.674      | 967           | 970         | 972          | rBV      | 1323472        | 1675129       | 95.92%          | 11.007%       |
| 17        | 13.599      | 1048          | 1051        | 1058         | rBV      | 29591          | 78997         | 4.52%           | 0.519%        |
| 18        | 13.702      | 1058          | 1060        | 1068         | rVB      | 419820         | 415380        | 23.78%          | 2.729%        |
| 19        | 15.051      | 1175          | 1178        | 1181         | rBV      | 210681         | 301668        | 17.27%          | 1.982%        |

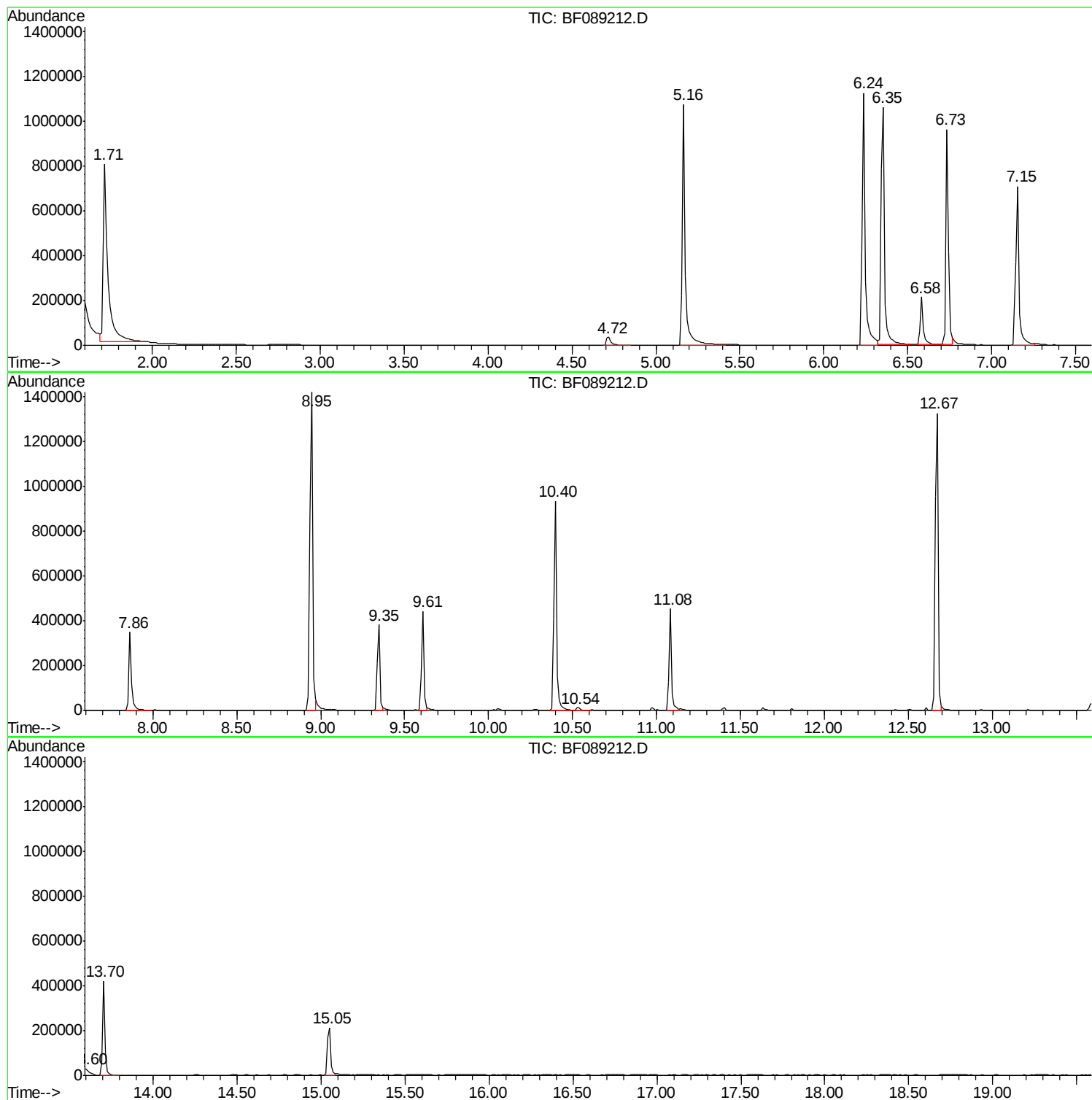
Sum of corrected areas: 15218710

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF072216\  
Data File : BF089212.D  
Acq On : 23 Jul 2016 1:07  
Operator : UM/SJ  
Sample : H4154-07  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GCF-NW-1

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072016.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\BF072216\  
Data File : BF089212.D  
Acq On : 23 Jul 2016 1:07  
Operator : UM/SJ  
Sample : H4154-07  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
GCF-NW-1

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

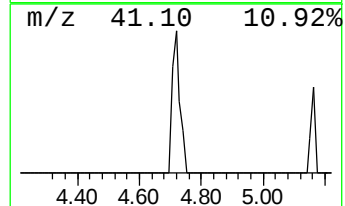
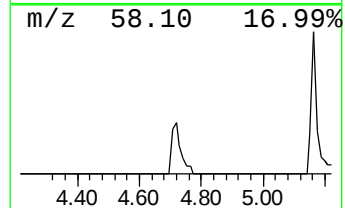
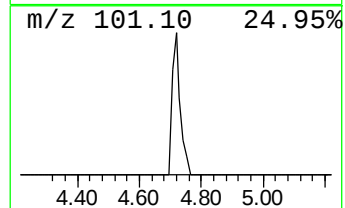
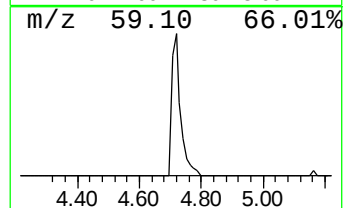
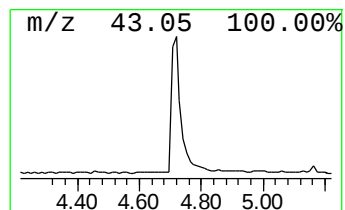
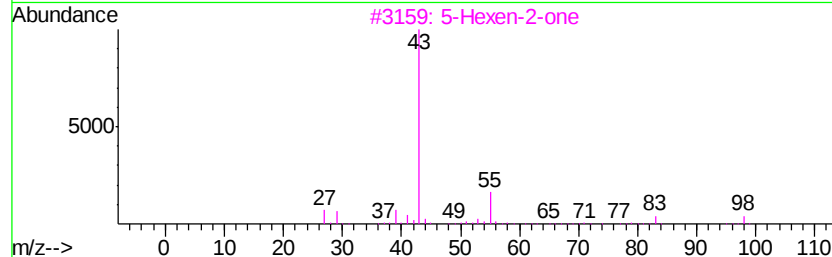
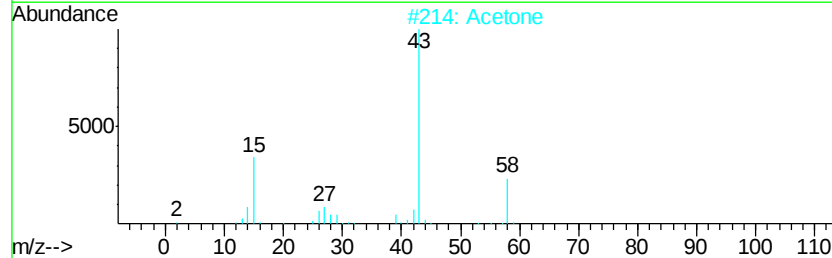
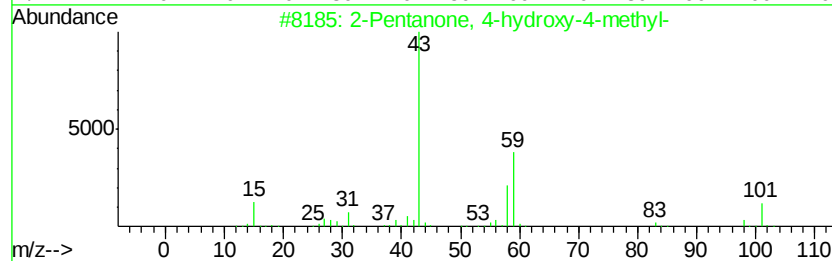
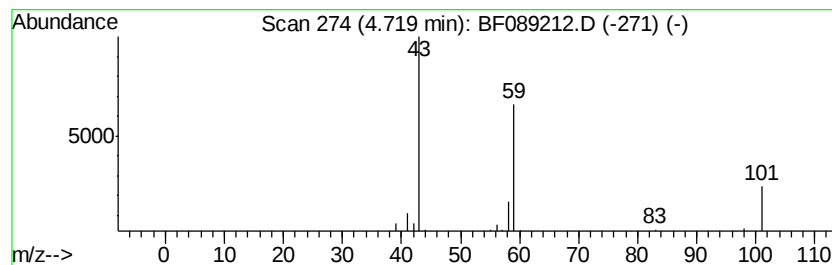
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 4.72 | 5.34 ng | 70969 | 1,4-Dichlorobenzene-d4 | 6.58 |

| Hit# of 5 | Tentative ID                     | MW  | MolForm  | CAS#        | Qual |
|-----------|----------------------------------|-----|----------|-------------|------|
| 1         | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2         | Acetone                          | 58  | C3H6O    | 000067-64-1 | 9    |
| 3         | 5-Hexen-2-one                    | 98  | C6H10O   | 000109-49-9 | 9    |
| 4         | 1-Propen-2-ol, acetate           | 100 | C5H8O2   | 000108-22-5 | 9    |
| 5         | 1,8-Nonanediol, 8-methyl-        | 174 | C10H22O2 | 054725-73-4 | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF072216\  
Data File : BF089212.D  
Acq On : 23 Jul 2016 1:07  
Operator : UM/SJ  
Sample : H4154-07  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GCF-NW-1

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

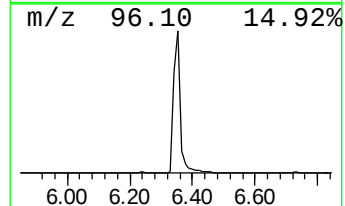
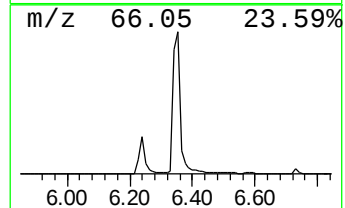
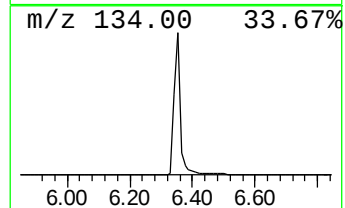
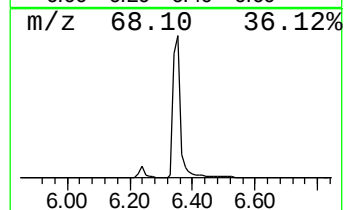
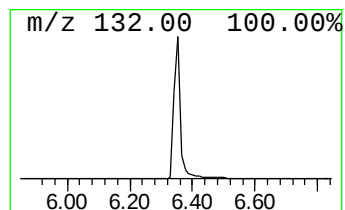
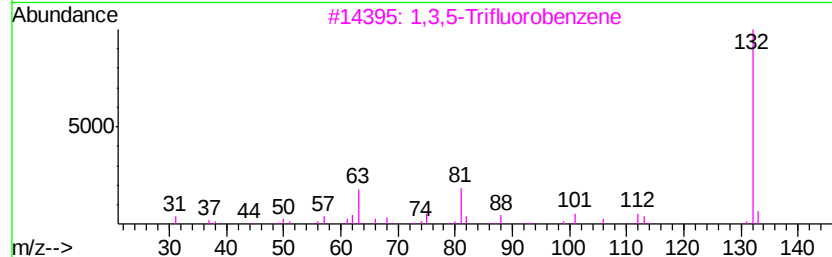
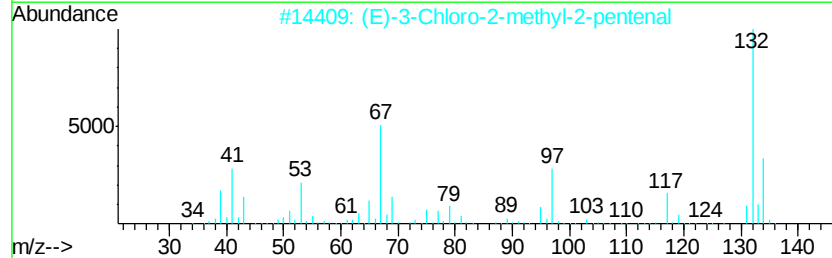
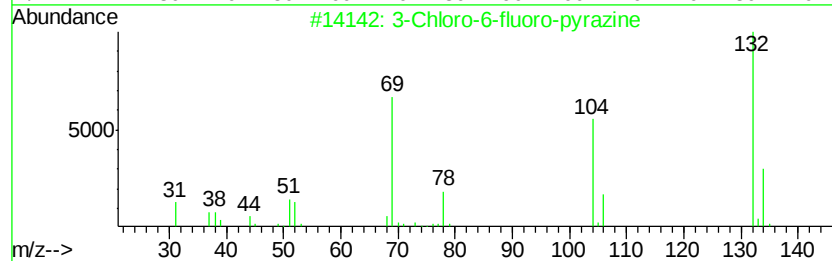
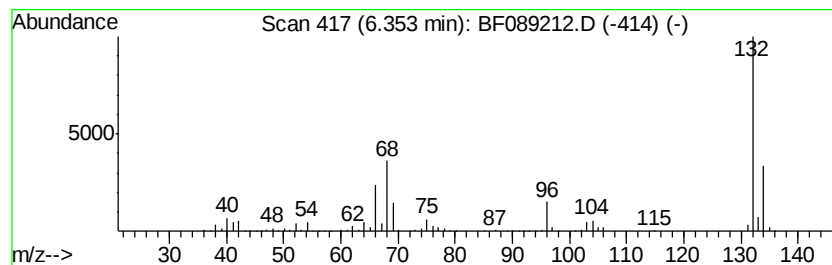
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 unknown6.35 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 6.35 | 115.02 ng | 1528980 | 1,4-Dichlorobenzene-d4 | 6.58 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3    |    | 1,3,5-Trifluorobenzene           | 132 | C6H3F3    | 000372-38-3  | 9    |
| 4    |    | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 9    |
| 5    |    | 1-Methylpyrrolo[1,2-a]pyrazine   | 132 | C8H8N2    | 064608-59-9  | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF072216\  
Data File : BF089212.D  
Acq On : 23 Jul 2016 1:07  
Operator : UM/SJ  
Sample : H4154-07  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

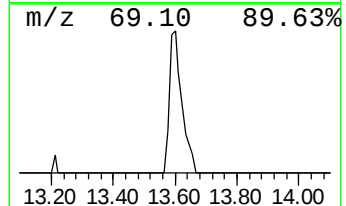
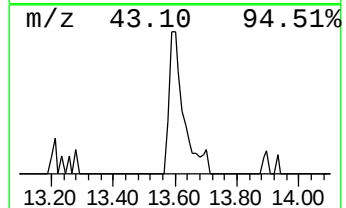
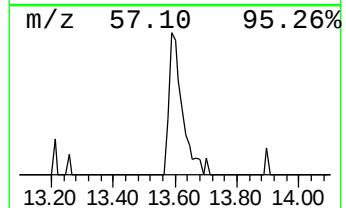
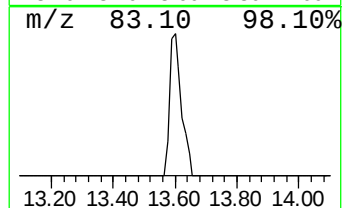
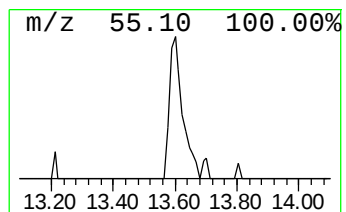
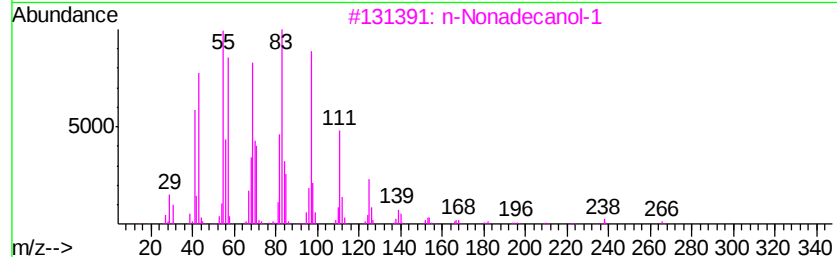
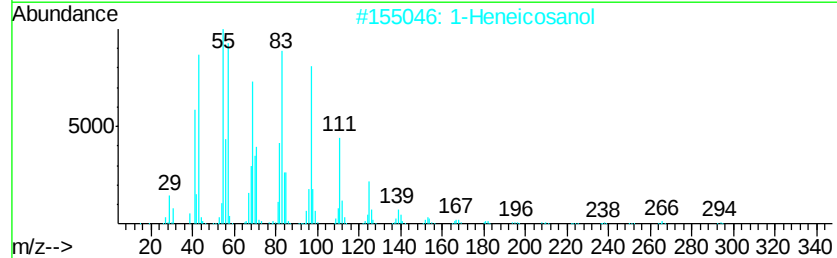
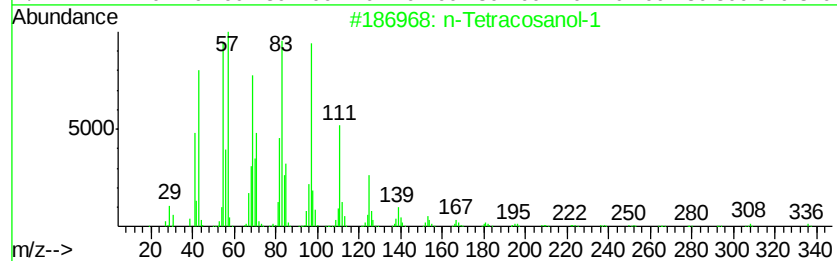
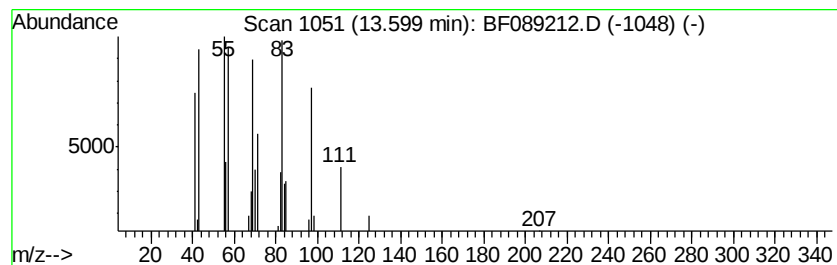
Instrument :  
BNA\_F  
ClientSampleId :  
GCF-NW-1

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 n-Tetracosanol-1 Concentration Rank 5

| R.T.      | EstConc                             | Area  | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|-------|------------------|-------------|------|
| 13.60     | 3.80 ng                             | 78997 | Chrysene-d12     | 13.70       |      |
| Hit# of 5 | Tentative ID                        | MW    | MolForm          | CAS#        | Qual |
| 1         | n-Tetracosanol-1                    | 354   | C24H50O          | 000506-51-4 | 91   |
| 2         | 1-Heneicosanol                      | 312   | C21H44O          | 015594-90-8 | 91   |
| 3         | n-Nonadecanol-1                     | 284   | C19H40O          | 001454-84-8 | 91   |
| 4         | Heptafluorobutyric acid, n-tetra... | 410   | C18H29F7O2       | 007365-36-8 | 91   |
| 5         | Trichloroacetic acid, pentadecyl... | 372   | C17H31Cl3O2      | 074339-53-0 | 91   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF072216\  
Data File : BF089212.D  
Acq On : 23 Jul 2016 1:07  
Operator : UM/SJ  
Sample : H4154-07  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GCF-NW-1

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072016.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... | 4.72  | 5.3     | ng    | 70969    | 1                     | 6.58  | 265874 | 20.0 |
| unknown6.35          | 6.35  | 115.0   | ng    | 1528980  | 1                     | 6.58  | 265874 | 20.0 |
| n-Tetracosanol-1     | 13.60 | 3.8     | ng    | 78997    | 5                     | 13.70 | 415380 | 20.0 |