

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF073116\  
 Data File : BF089469.D  
 Acq On : 31 Jul 2016 14:21  
 Operator : UM/SJ  
 Sample : H4285-11  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AB-SLOPE(0-4)P

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-BF072716.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         | 1.655       | 5             | 6           | 45           | rVB      | 1272312        | 2853686       | 100.00%         | 19.206%       |
| 2         | 4.593       | 260           | 263         | 277          | rBV      | 202417         | 379985        | 13.32%          | 2.557%        |
| 3         | 5.062       | 302           | 304         | 327          | rBV      | 880697         | 1330341       | 46.62%          | 8.954%        |
| 4         | 6.159       | 397           | 400         | 402          | rBV      | 1176129        | 1421254       | 49.80%          | 9.565%        |
| 5         | 6.262       | 407           | 409         | 411          | rBV      | 1404689        | 1447120       | 50.71%          | 9.740%        |
| 6         | 6.490       | 427           | 429         | 440          | rVB      | 212549         | 245695        | 8.61%           | 1.654%        |
| 7         | 6.650       | 440           | 443         | 445          | rBV      | 878336         | 1076264       | 37.71%          | 7.244%        |
| 8         | 7.062       | 477           | 479         | 489          | rBV      | 614810         | 864808        | 30.30%          | 5.820%        |
| 9         | 7.782       | 539           | 542         | 544          | rBV      | 213237         | 313310        | 10.98%          | 2.109%        |
| 10        | 8.856       | 634           | 636         | 639          | rBV      | 1411482        | 1419978       | 49.76%          | 9.557%        |
| 11        | 9.256       | 669           | 671         | 674          | rBV      | 215070         | 193511        | 6.78%           | 1.302%        |
| 12        | 9.519       | 692           | 694         | 697          | rBV      | 448009         | 398484        | 13.96%          | 2.682%        |
| 13        | 9.976       | 732           | 734         | 736          | rBV      | 37702          | 29743         | 1.04%           | 0.200%        |
| 14        | 10.308      | 761           | 763         | 765          | rBV      | 833335         | 857126        | 30.04%          | 5.769%        |
| 15        | 10.445      | 773           | 775         | 779          | rBV      | 43678          | 45513         | 1.59%           | 0.306%        |
| 16        | 10.994      | 820           | 823         | 834          | rVB      | 359863         | 378767        | 13.27%          | 2.549%        |
| 17        | 11.554      | 870           | 872         | 881          | rVB2     | 52845          | 77695         | 2.72%           | 0.523%        |
| 18        | 12.571      | 959           | 961         | 964          | rBV      | 917834         | 995426        | 34.88%          | 6.699%        |
| 19        | 13.485      | 1037          | 1041        | 1049         | rVB2     | 39679          | 67777         | 2.38%           | 0.456%        |
| 20        | 13.611      | 1049          | 1052        | 1059         | rBV      | 225307         | 256021        | 8.97%           | 1.723%        |
| 21        | 14.937      | 1166          | 1168        | 1176         | rBV      | 165908         | 205729        | 7.21%           | 1.385%        |

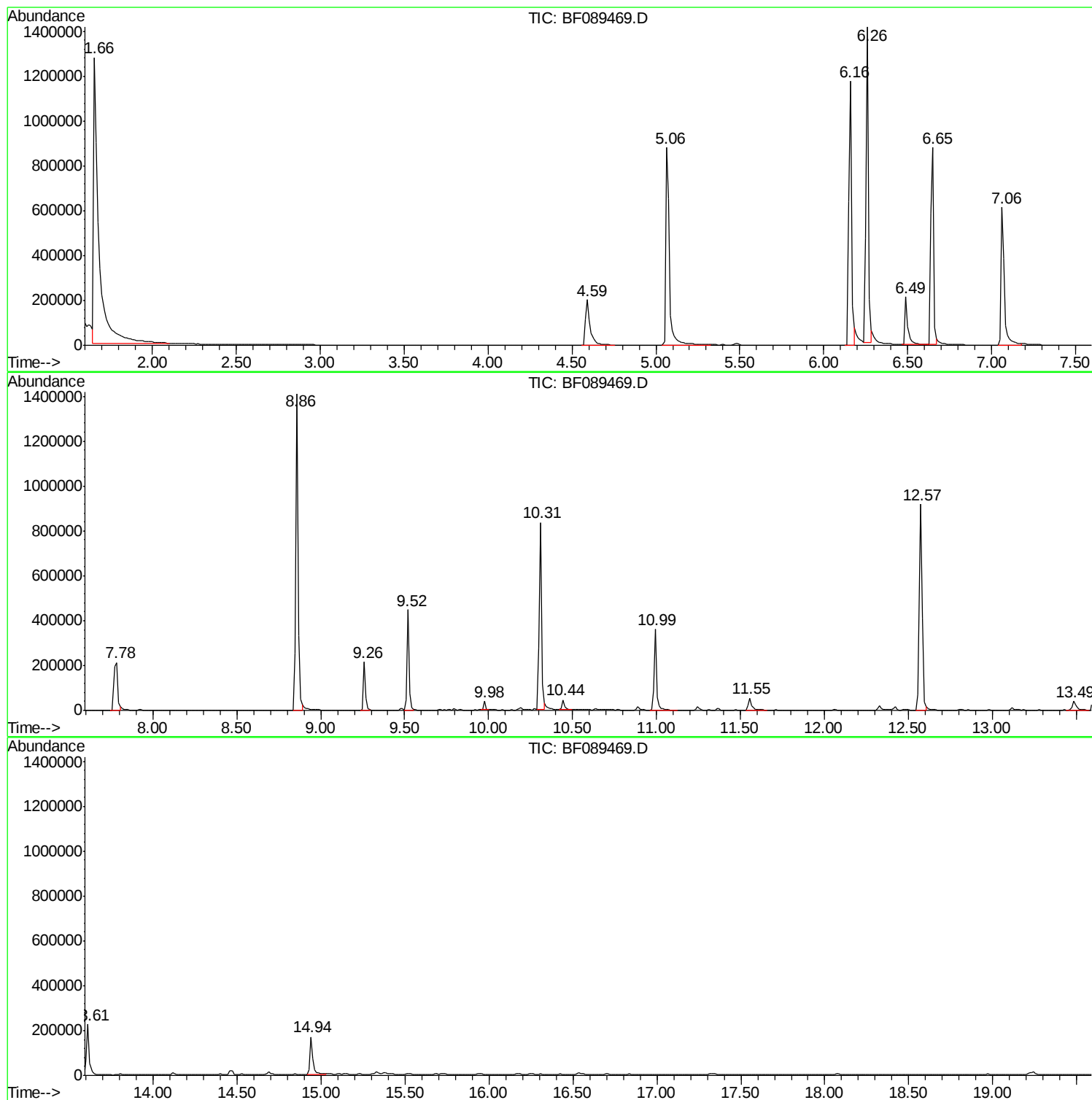
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Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF073116\  
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Operator : UM/SJ  
Sample : H4285-11  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
AB-SLOPE(0-4)P

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072716.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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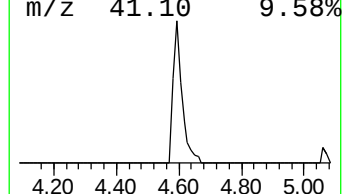
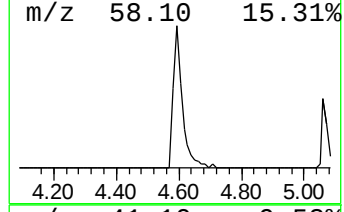
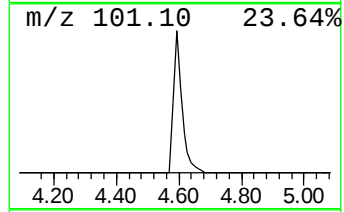
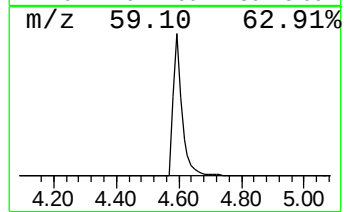
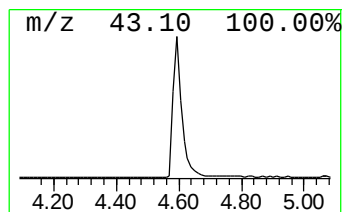
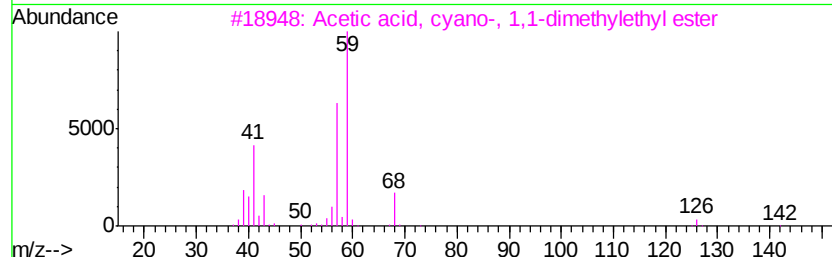
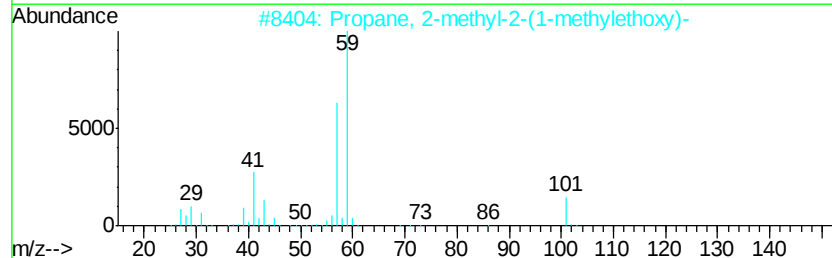
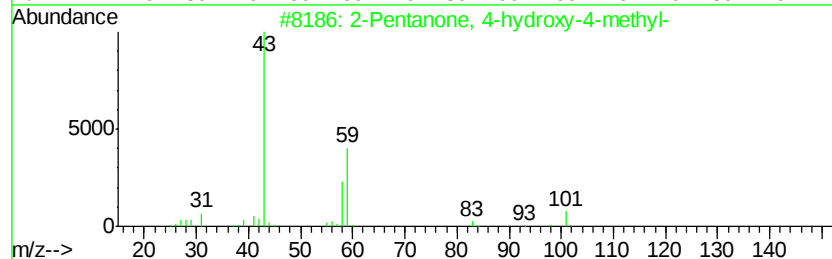
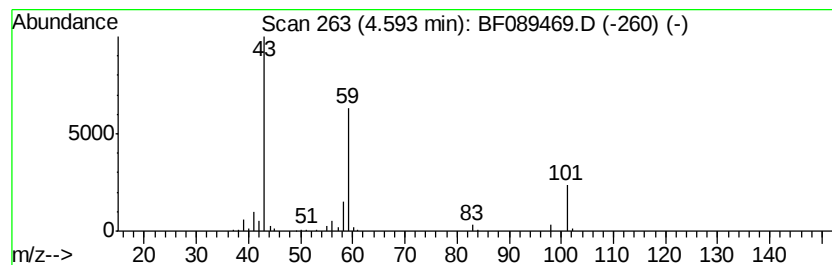
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.59 | 30.93 ng | 379985 | 1,4-Dichlorobenzene-d4 | 6.49 |

| Hit# | of | Tentative ID                          | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-      | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2    |    | Propane, 2-methyl-2-(1-methylethoxy)- | 116 | C7H16O   | 017348-59-3 | 23   |
| 3    |    | Acetic acid, cyano-, 1,1-dimethyl-    | 141 | C7H11NO2 | 001116-98-9 | 23   |
| 4    |    | 2,3-Butanedione, monooxime            | 101 | C4H7NO2  | 000057-71-6 | 17   |
| 5    |    | Morpholine, 4-methyl-                 | 101 | C5H11NO  | 000109-02-4 | 9    |



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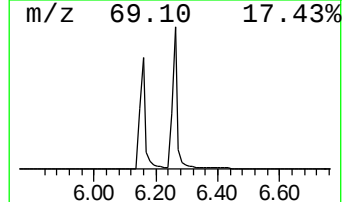
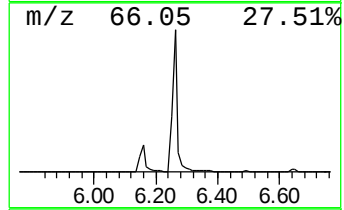
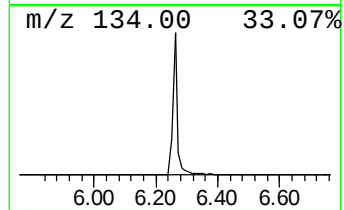
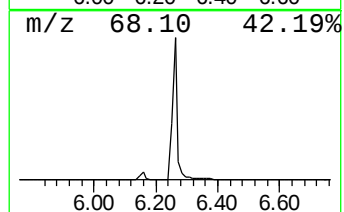
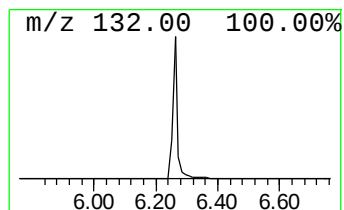
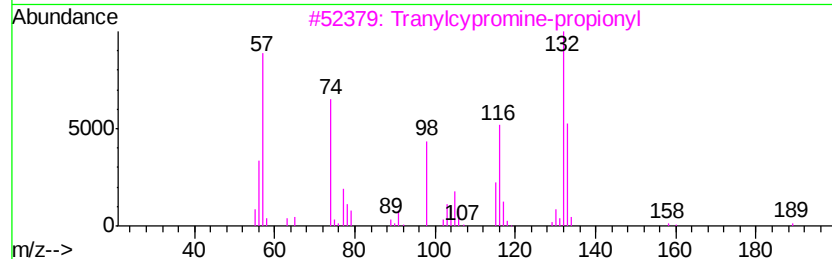
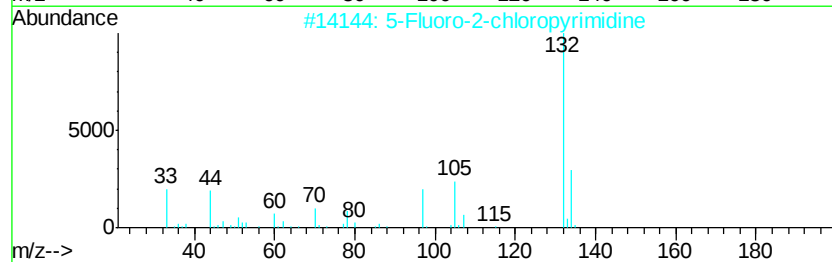
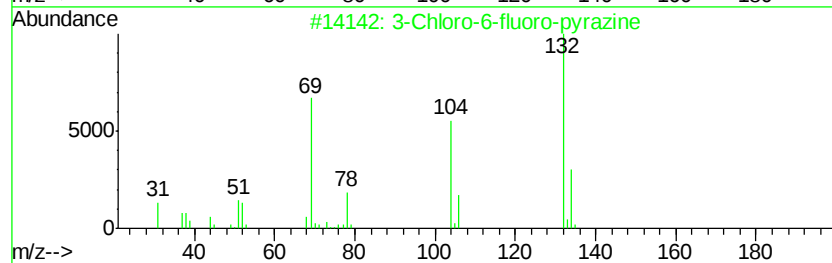
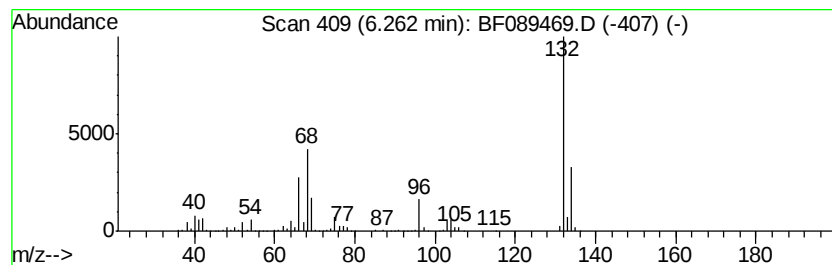
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072716.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 unknown6.26 Concentration Rank 2

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 6.26 | 117.80 ng | 1447120 | 1,4-Dichlorobenzene-d4 | 6.49 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 3    |    | Tranvlcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 4    |    | N-(-3,4-Methylenedioxyphenylisop... | 267 | C17H17NO2 | 1000378-96-6 | 10   |
| 5    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |



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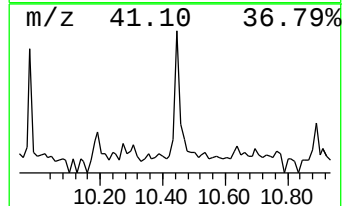
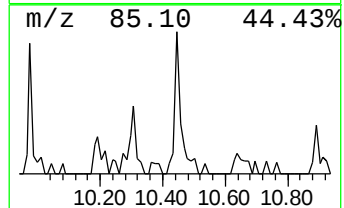
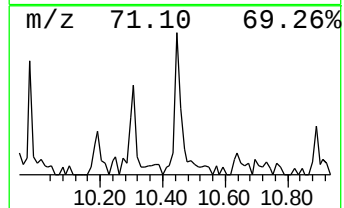
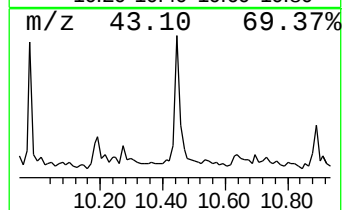
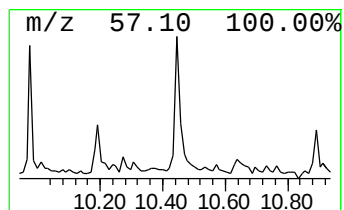
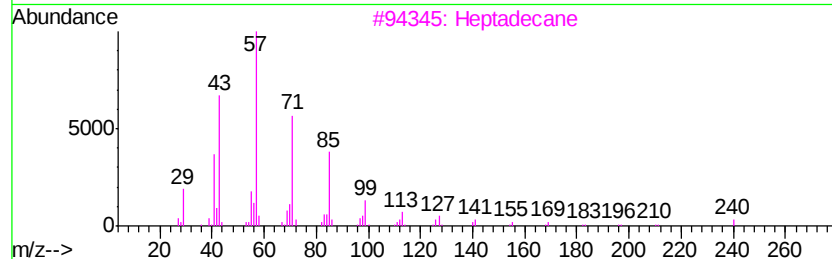
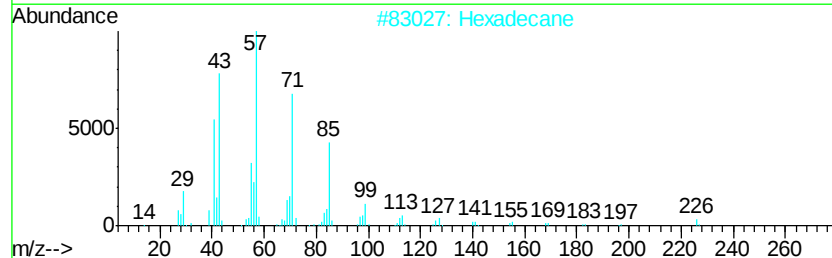
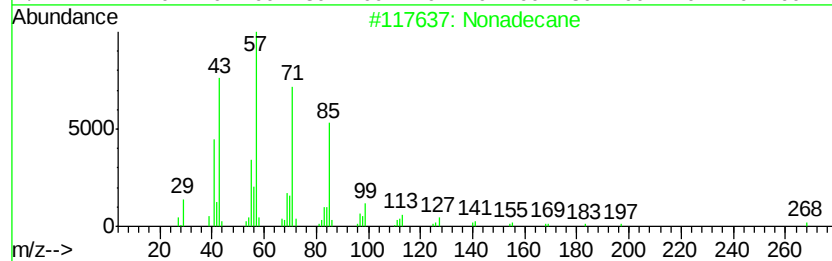
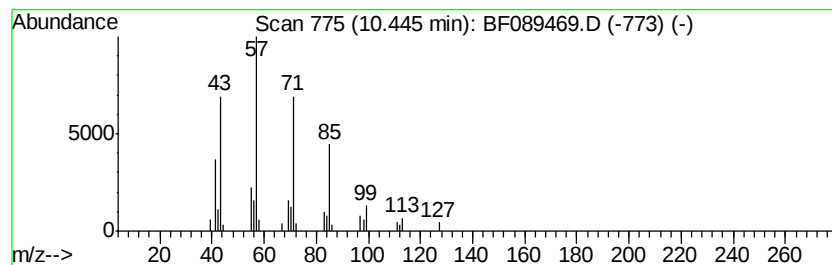
Instrument :  
BNA\_F  
ClientSampleId :  
AB-SLOPE(0-4)P

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072716.M  
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TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Nonadecane Concentration Rank 7

| R.T.      | EstConc                           | Area  | Relative to ISTD |              | R.T.  |
|-----------|-----------------------------------|-------|------------------|--------------|-------|
| 10.44     | 2.40 ng                           | 45513 | Phenanthrene-d10 |              | 10.99 |
| Hit# of 5 | Tentative ID                      | MW    | MolForm          | CAS#         | Qual  |
| 1         | Nonadecane                        | 268   | C19H40           | 000629-92-5  | 91    |
| 2         | Hexadecane                        | 226   | C16H34           | 000544-76-3  | 91    |
| 3         | Heptadecane                       | 240   | C17H36           | 000629-78-7  | 90    |
| 4         | Pentadecane                       | 212   | C15H32           | 000629-62-9  | 86    |
| 5         | Sulfurous acid, 2-propyl tetra... | 320   | C17H36O3S        | 1000309-12-5 | 86    |



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ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
AB-SLOPE(0-4)P

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072716.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

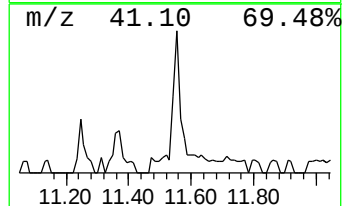
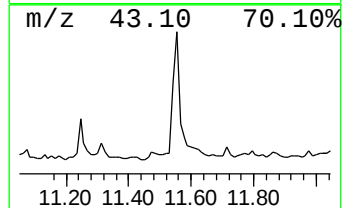
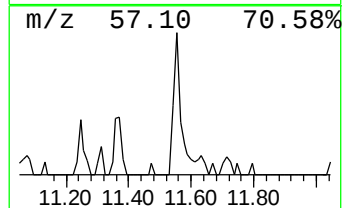
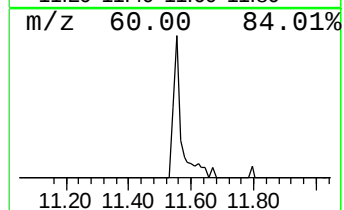
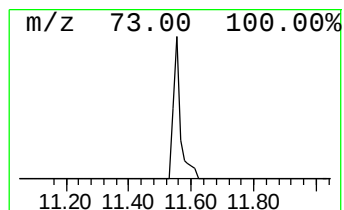
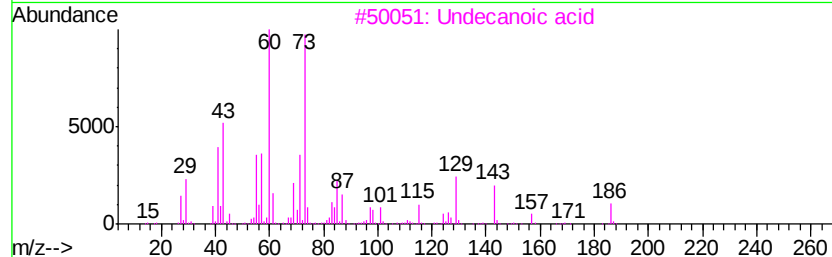
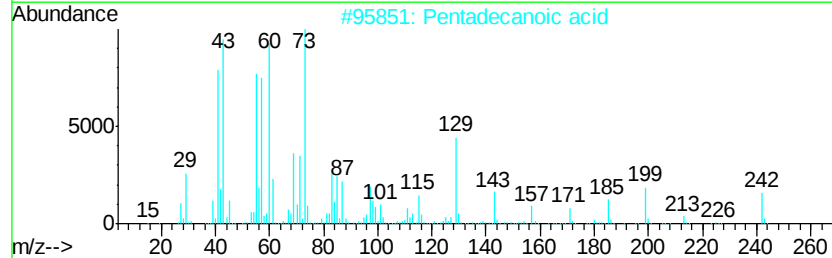
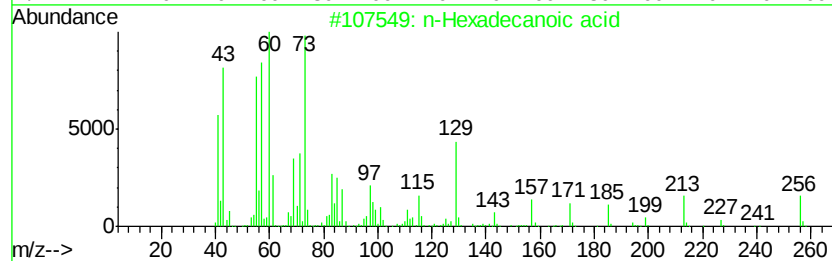
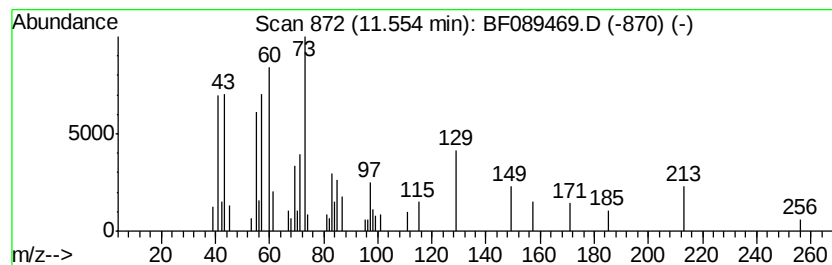
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 n-Hexadecanoic acid Concentration Rank 6

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 11.55 | 4.10 ng | 77695 | Phenanthrene-d10 | 10.99 |

| Hit# | of | Tentative ID        | MW  | MolForm   | CAS#        | Qual |
|------|----|---------------------|-----|-----------|-------------|------|
| 1    | 5  | n-Hexadecanoic acid | 256 | C16H32O2  | 000057-10-3 | 98   |
| 2    |    | Pentadecanoic acid  | 242 | C15H30O2  | 001002-84-2 | 81   |
| 3    |    | Undecanoic acid     | 186 | C11H22O2  | 000112-37-8 | 50   |
| 4    |    | Tridecanoic acid    | 214 | C13H26O2  | 000638-53-9 | 50   |
| 5    |    | Maltose             | 342 | C12H22O11 | 000069-79-4 | 35   |



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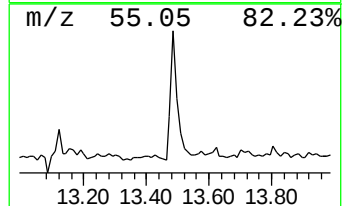
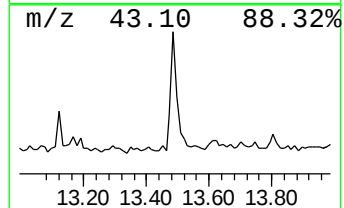
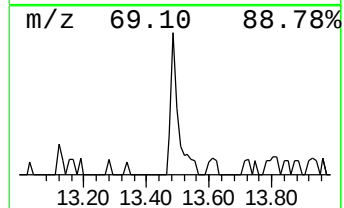
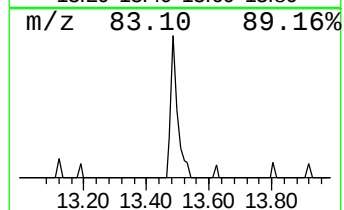
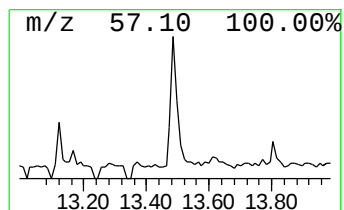
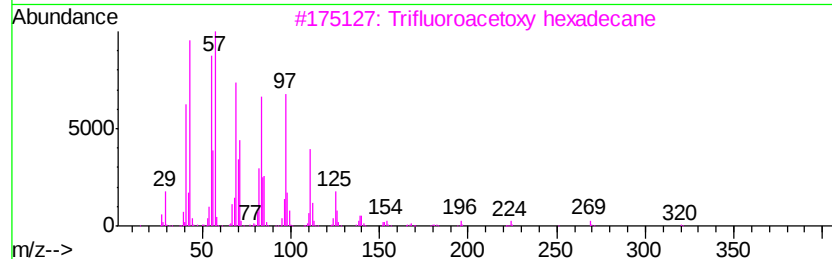
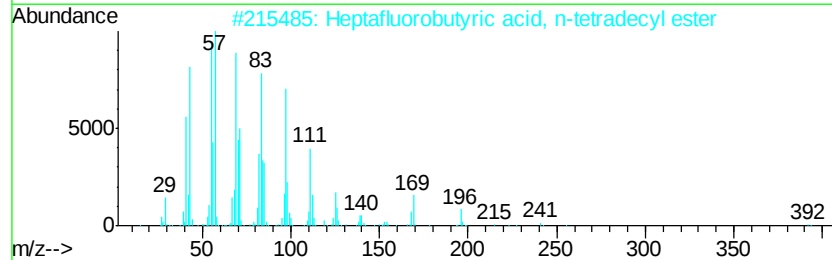
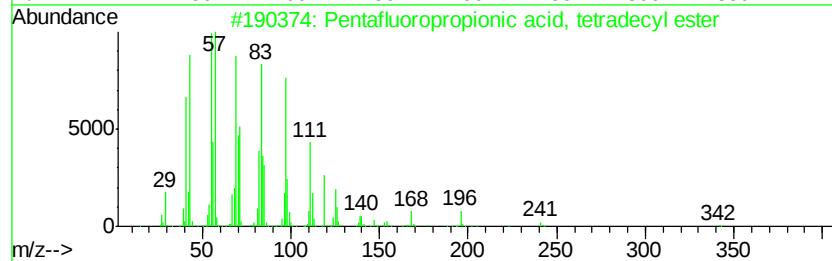
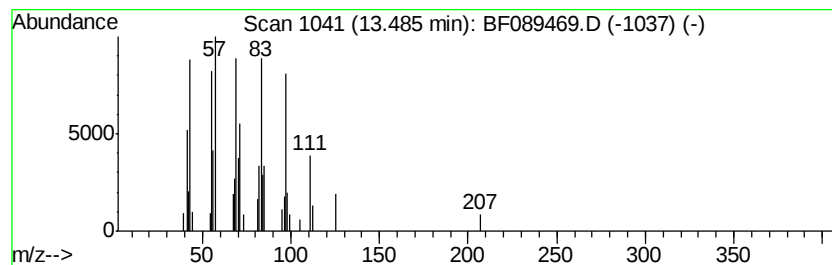
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Peak Number 7 Pentafluoropropionic acid, ... Concentration Rank 5

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 13.49 | 5.29 ng | 67777 | Chrysene-d12     | 13.61 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Pentafluoropropionic acid, tetra... | 360 | C17H29F5O2 | 006222-06-6 | 94   |
| 2    |    | Heptafluorobutyric acid, n-tetra... | 410 | C18H29F7O2 | 007365-36-8 | 94   |
| 3    |    | Trifluoroacetoxy hexadecane         | 338 | C18H33F3O2 | 006222-03-3 | 91   |
| 4    |    | 1-Heneicosanol                      | 312 | C21H44O    | 015594-90-8 | 91   |
| 5    |    | 11-Tricosene                        | 322 | C23H46     | 052078-56-5 | 91   |



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Acq On : 31 Jul 2016 14:21  
Operator : UM/SJ  
Sample : H4285-11  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
AB-SLOPE(0-4)P

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072716.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... | 4.59  | 30.9    | ng    | 379985   | 1                     | 6.49  | 245695 | 20.0 |
| unknown6.26          | 6.26  | 117.8   | ng    | 1447120  | 1                     | 6.49  | 245695 | 20.0 |
| Nonadecane           | 10.44 | 2.4     | ng    | 45513    | 4                     | 10.99 | 378767 | 20.0 |
| n-Hexadecanoic acid  | 11.55 | 4.1     | ng    | 77695    | 4                     | 10.99 | 378767 | 20.0 |
| Pentafluoropropio... | 13.49 | 5.3     | ng    | 67777    | 5                     | 13.61 | 256021 | 20.0 |