

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012717\  
 Data File : BF092590.D  
 Acq On : 27 Jan 2017 21:54  
 Operator : SJ/MA  
 Sample : I1448-06  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHA-SB-02-2-4

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012417.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 3.458    | 117        | 120      | 126       | rBV3  | 24673       | 78468      | 1.34%        | 0.155%     |
| 2      | 5.173    | 267        | 270      | 277       | rBV   | 1659984     | 2417098    | 41.22%       | 4.763%     |
| 3      | 5.596    | 304        | 307      | 309       | rBV   | 4347989     | 4735195    | 80.75%       | 9.332%     |
| 4      | 6.624    | 394        | 397      | 399       | rBV   | 4428632     | 5493720    | 93.68%       | 10.827%    |
| 5      | 6.750    | 405        | 408      | 410       | rBV   | 4758539     | 5314606    | 90.63%       | 10.474%    |
| 6      | 6.967    | 425        | 427      | 430       | rBV   | 985224      | 1004152    | 17.12%       | 1.979%     |
| 7      | 7.127    | 438        | 441      | 444       | rBV   | 3567375     | 3645950    | 62.17%       | 7.185%     |
| 8      | 7.539    | 474        | 477      | 480       | rBV   | 2659543     | 3334520    | 56.86%       | 6.571%     |
| 9      | 7.630    | 482        | 485      | 487       | rBV   | 50867       | 73938      | 1.26%        | 0.146%     |
| 10     | 8.259    | 538        | 540      | 543       | rBV   | 1059325     | 1334970    | 22.76%       | 2.631%     |
| 11     | 9.356    | 632        | 636      | 638       | rBV   | 3880895     | 5864253    | 100.00%      | 11.557%    |
| 12     | 9.459    | 643        | 645      | 647       | rVB2  | 38595       | 59520      | 1.01%        | 0.117%     |
| 13     | 9.745    | 667        | 670      | 672       | rBV   | 1281669     | 1113721    | 18.99%       | 2.195%     |
| 14     | 9.962    | 686        | 689      | 692       | rBV   | 39720       | 66611      | 1.14%        | 0.131%     |
| 15     | 10.030   | 692        | 695      | 698       | rVV   | 1750953     | 1614670    | 27.53%       | 3.182%     |
| 16     | 10.453   | 726        | 732      | 734       | rBV3  | 67821       | 172307     | 2.94%        | 0.340%     |
| 17     | 10.830   | 761        | 765      | 767       | rBV   | 2975687     | 3386736    | 57.75%       | 6.674%     |
| 18     | 10.933   | 772        | 774      | 779       | rVV   | 148838      | 185604     | 3.17%        | 0.366%     |
| 19     | 11.242   | 798        | 801      | 802       | rBV2  | 26696       | 59249      | 1.01%        | 0.117%     |
| 20     | 11.379   | 811        | 813      | 815       | rBV   | 134932      | 134619     | 2.30%        | 0.265%     |
| 21     | 11.528   | 823        | 826      | 828       | rBV   | 1331023     | 1668621    | 28.45%       | 3.288%     |
| 22     | 11.745   | 843        | 845      | 849       | rBV2  | 326597      | 411384     | 7.02%        | 0.811%     |
| 23     | 11.813   | 849        | 851      | 853       | rVB   | 103919      | 126217     | 2.15%        | 0.249%     |
| 24     | 12.213   | 884        | 886      | 892       | rBV   | 126096      | 112698     | 1.92%        | 0.222%     |
| 25     | 12.568   | 916        | 917      | 919       | rBV   | 49608       | 70176      | 1.20%        | 0.138%     |
| 26     | 12.602   | 919        | 920      | 923       | rVB   | 54702       | 60042      | 1.02%        | 0.118%     |
| 27     | 13.116   | 962        | 965      | 967       | rBV   | 4737338     | 5358621    | 91.38%       | 10.560%    |
| 28     | 14.008   | 1041       | 1043     | 1048      | rBV   | 127685      | 194993     | 3.33%        | 0.384%     |
| 29     | 14.134   | 1052       | 1054     | 1055      | rBV   | 103272      | 141209     | 2.41%        | 0.278%     |
| 30     | 14.156   | 1055       | 1056     | 1059      | rVB   | 1112708     | 1305457    | 22.26%       | 2.573%     |
| 31     | 14.934   | 1121       | 1124     | 1126      | rBV2  | 40750       | 77070      | 1.31%        | 0.152%     |
| 32     | 15.654   | 1183       | 1187     | 1192      | rVB   | 666084      | 1126708    | 19.21%       | 2.220%     |

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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-BF012417.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

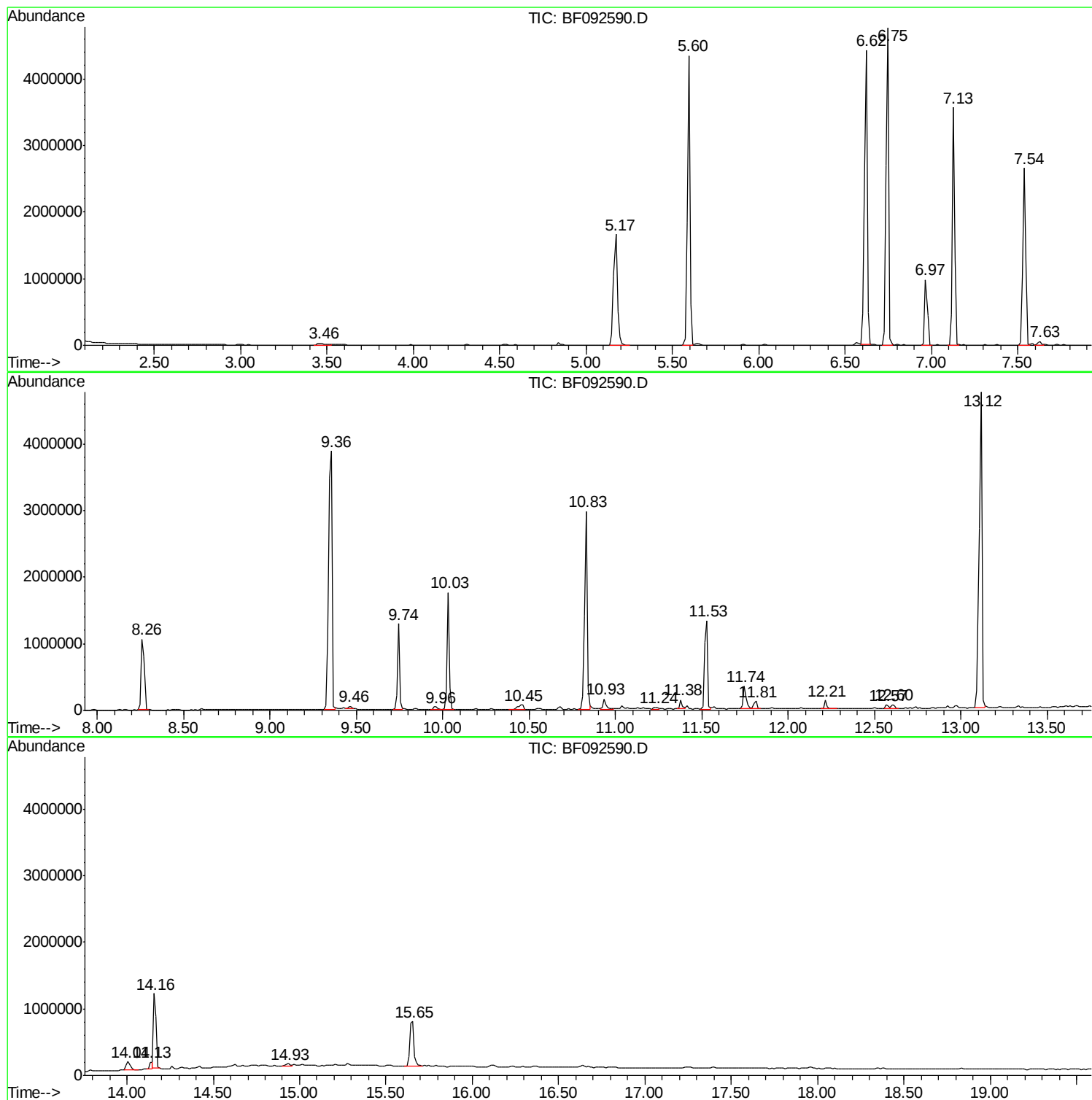
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012417.M  
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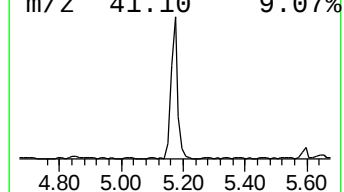
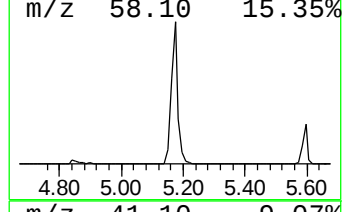
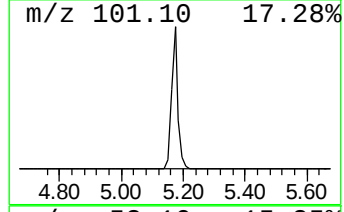
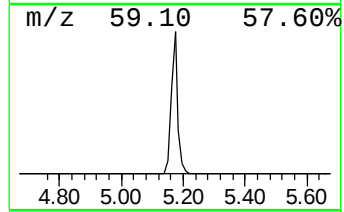
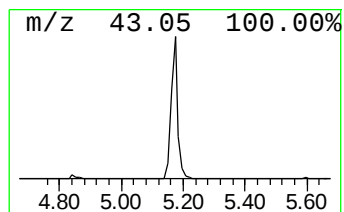
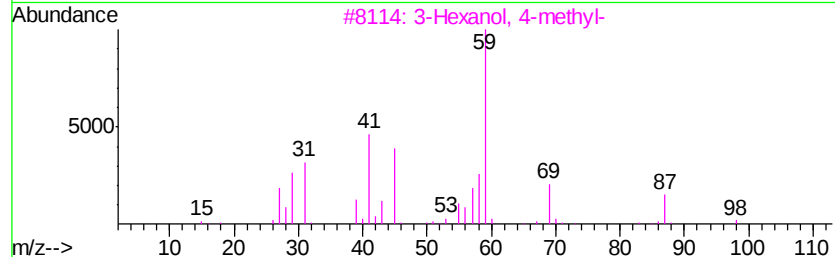
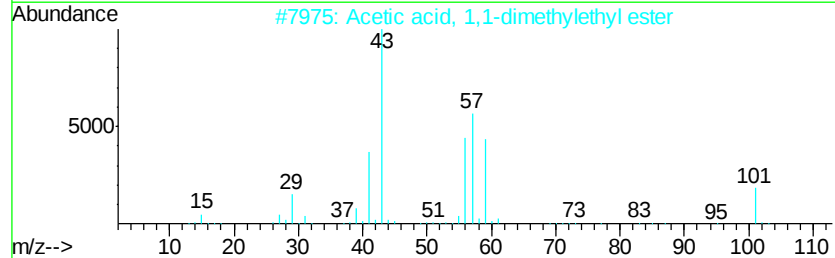
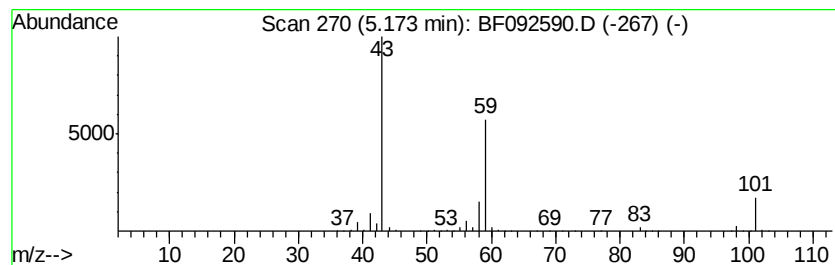
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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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. |
|------|----------|---------|------------------------|------|
| 5.17 | 48.14 ng | 2417100 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 59   |
| 2    |    |   | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39   |
| 3    |    |   | 3-Hexanol, 4-methyl-                | 116 | C7H16O  | 000615-29-2 | 33   |
| 4    |    |   | 2-Hexanol, 2-methyl-                | 116 | C7H16O  | 000625-23-0 | 33   |
| 5    |    |   | 2,3-Butanedione, monooxime          | 101 | C4H7NO2 | 000057-71-6 | 9    |



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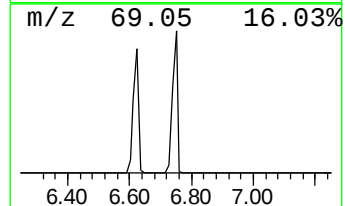
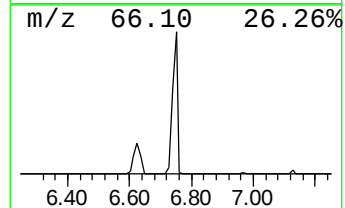
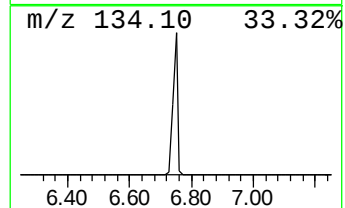
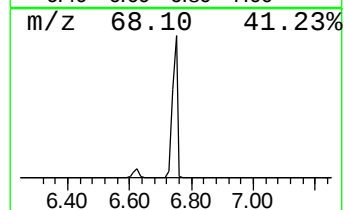
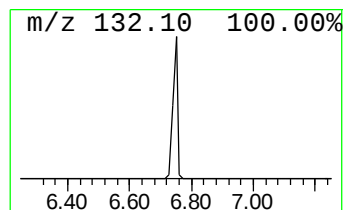
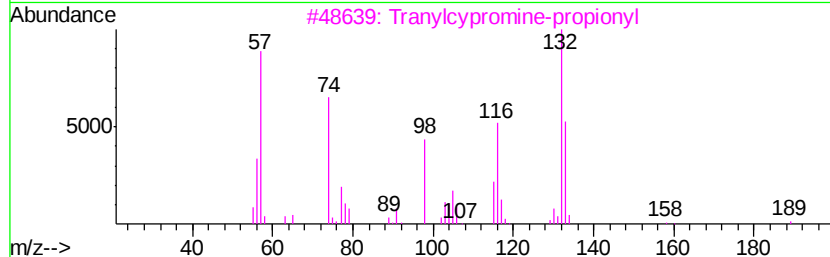
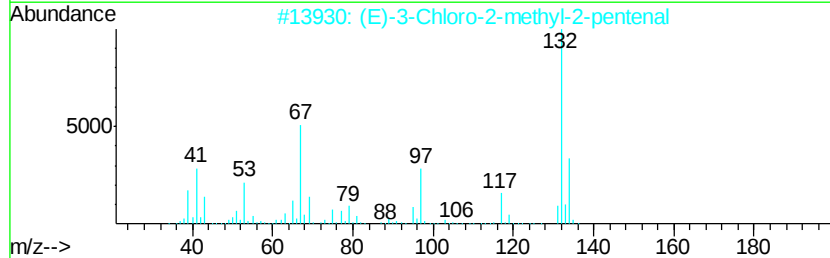
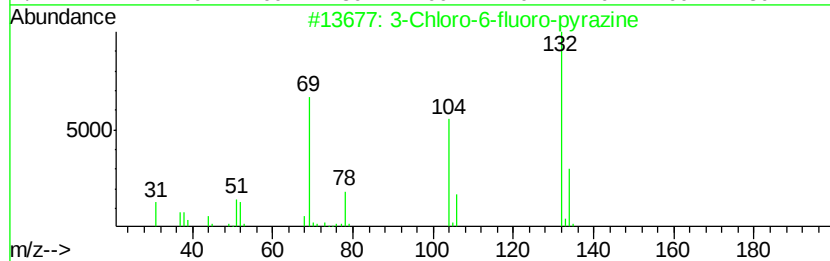
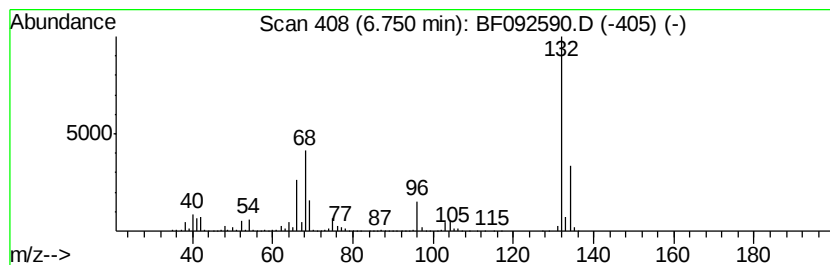
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 unknown6.75 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 6.75 | 105.85 ng | 5314610 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 4    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 9    |
| 5    |    | Benzene, 1,3,5-trifluoro-        | 132 | C6H3F3    | 000372-38-3  | 9    |



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Misc :  
ALS Vial : 32 Sample Multiplier: 1

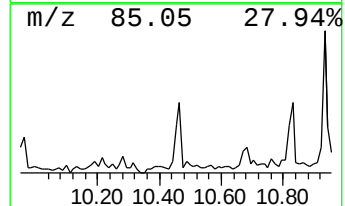
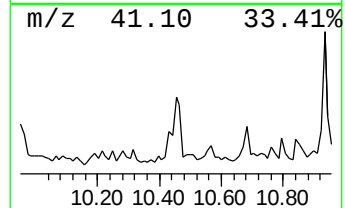
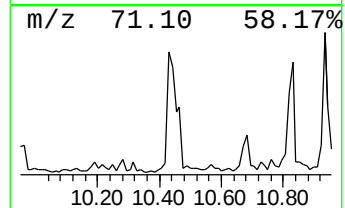
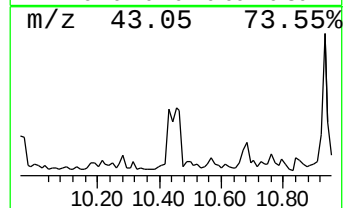
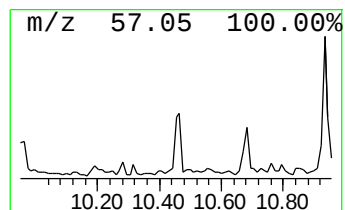
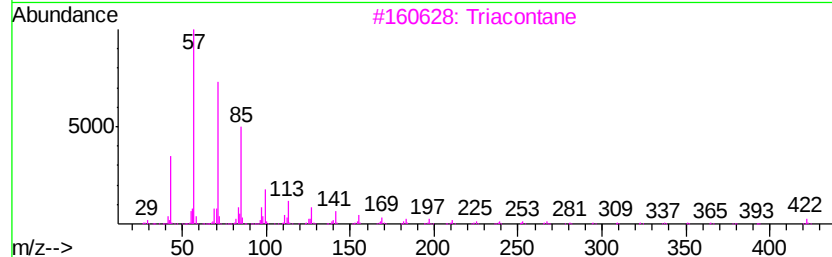
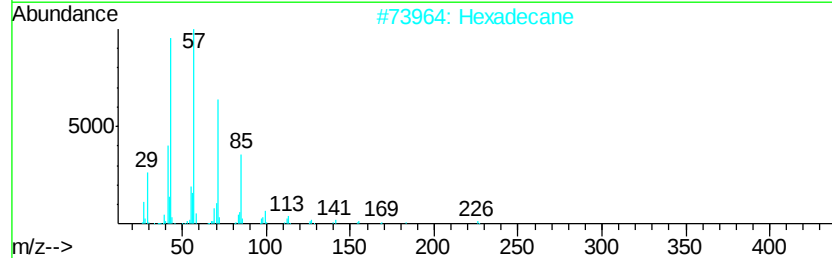
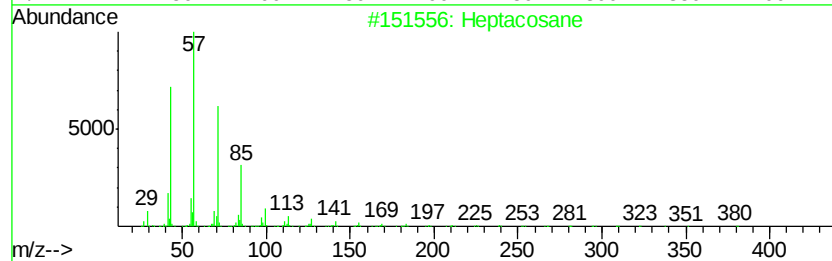
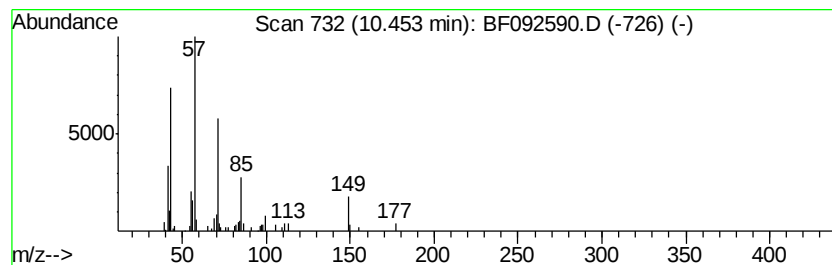
Instrument :  
BNA\_F  
ClientSampleId :  
CHA-SB-02-2-4

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012417.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 4 Heptacosane Concentration Rank 7

| R.T.    | EstConc     | Area         | Relative to ISTD | R.T.      |
|---------|-------------|--------------|------------------|-----------|
| 10.45   | 2.13 ng     | 172307       | Acenaphthene-d10 | 10.03     |
| Hit# of | 5           | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Heptacosane | 380 C27H56   | 000593-49-7      | 64        |
| 2       | Hexadecane  | 226 C16H34   | 000544-76-3      | 64        |
| 3       | triacontane | 422 C30H62   | 000638-68-6      | 59        |
| 4       | Tridecane   | 184 C13H28   | 000629-50-5      | 59        |
| 5       | Pentadecane | 212 C15H32   | 000629-62-9      | 59        |



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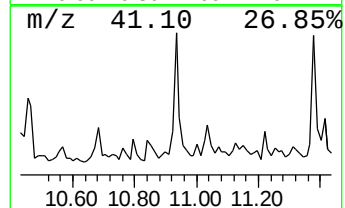
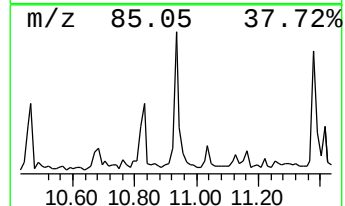
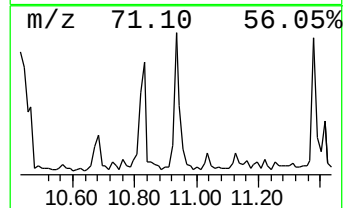
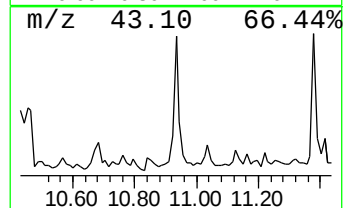
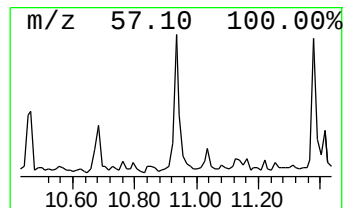
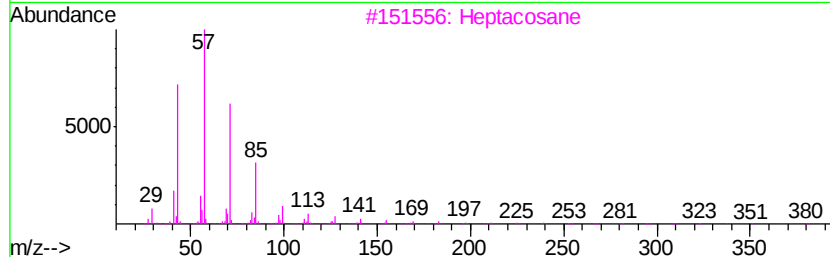
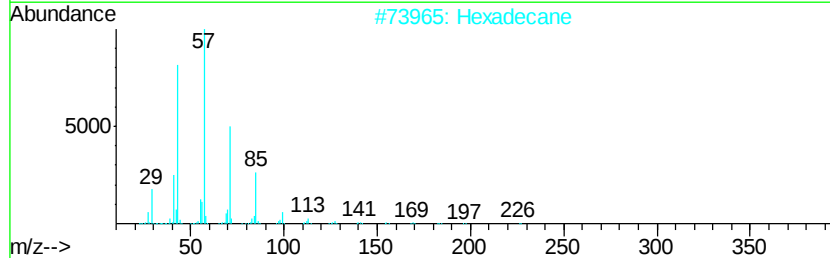
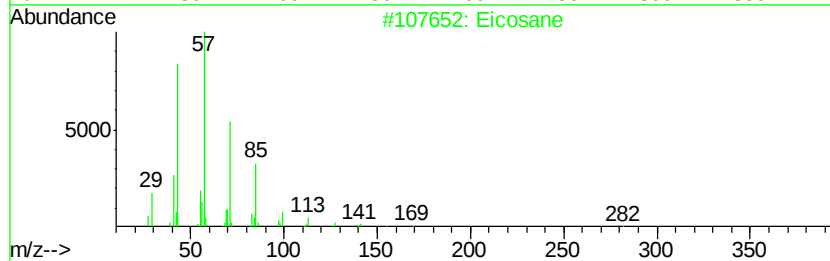
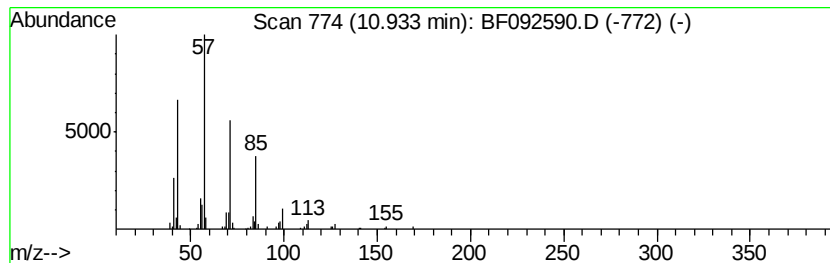
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Eicosane Concentration Rank 6

| R.T.      | EstConc      | Area   | Relative to ISTD | R.T.        |      |
|-----------|--------------|--------|------------------|-------------|------|
| 10.93     | 2.22 ng      | 185604 | Phenanthrene-d10 | 11.53       |      |
| Hit# of 5 | Tentative ID | MW     | MolForm          | CAS#        | Qual |
| 1         | Eicosane     | 282    | C20H42           | 000112-95-8 | 91   |
| 2         | Hexadecane   | 226    | C16H34           | 000544-76-3 | 90   |
| 3         | Heptacosane  | 380    | C27H56           | 000593-49-7 | 86   |
| 4         | Heptadecane  | 240    | C17H36           | 000629-78-7 | 86   |
| 5         | Octacosane   | 394    | C28H58           | 000630-02-4 | 80   |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

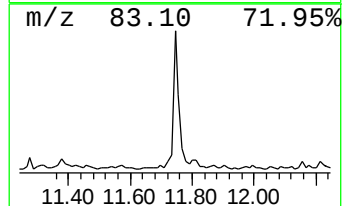
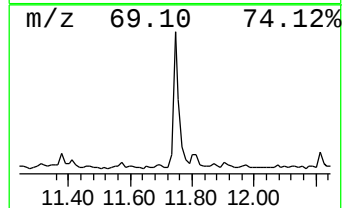
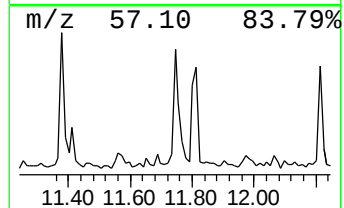
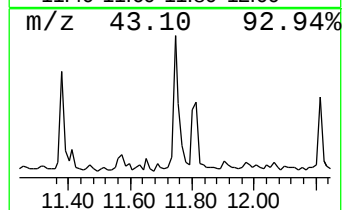
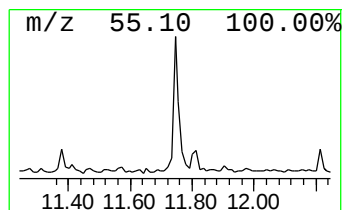
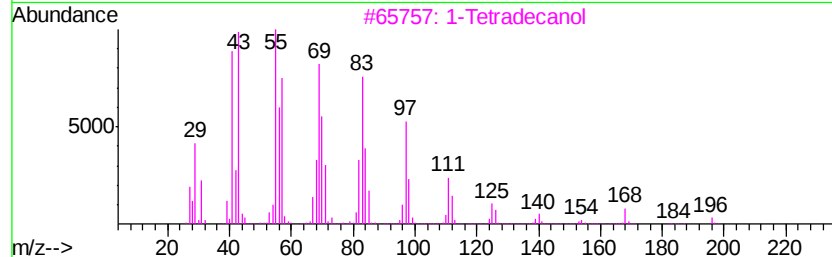
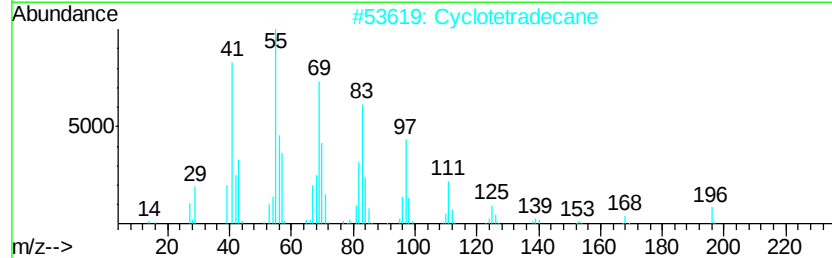
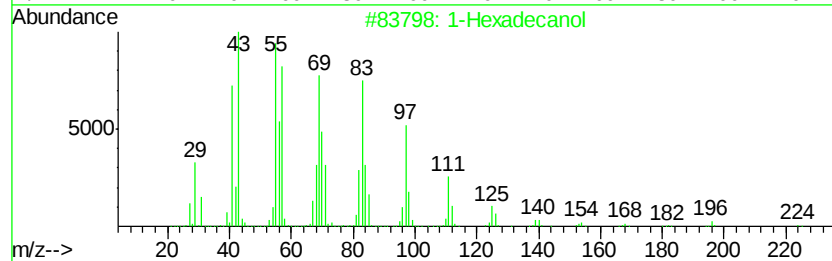
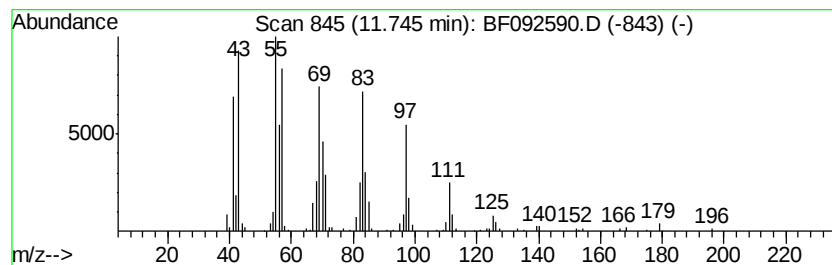
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 1-Hexadecanol Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.74 | 4.93 ng | 411384 | Phenanthrene-d10 | 11.53 |

| Hit# | of | Tentative ID                      | MW  | MolForm    | CAS#         | Qual |
|------|----|-----------------------------------|-----|------------|--------------|------|
| 1    | 5  | 1-Hexadecanol                     | 242 | C16H34O    | 036653-82-4  | 94   |
| 2    |    | Cyclotetradecane                  | 196 | C14H28     | 000295-17-0  | 93   |
| 3    |    | 1-Tetradecanol                    | 214 | C14H30O    | 000112-72-1  | 91   |
| 4    |    | 5-Octadecene, (E)-                | 252 | C18H36     | 007206-21-5  | 91   |
| 5    |    | 4-Heptafluorobutyryloxyhexadecane | 438 | C20H33F7O2 | 1000282-97-2 | 91   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012717\  
Data File : BF092590.D  
Acq On : 27 Jan 2017 21:54  
Operator : SJ/MA  
Sample : I1448-06  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CHA-SB-02-2-4

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

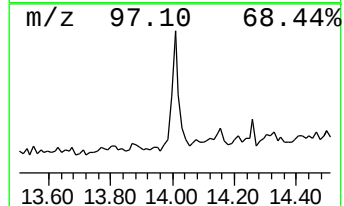
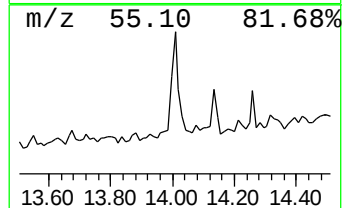
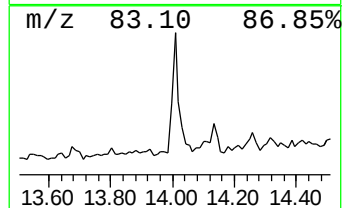
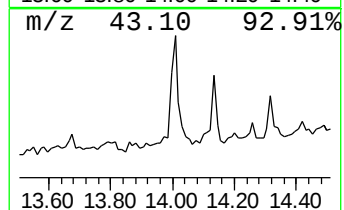
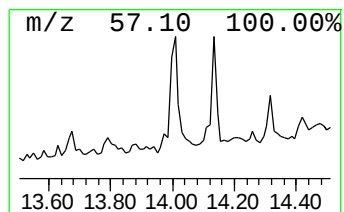
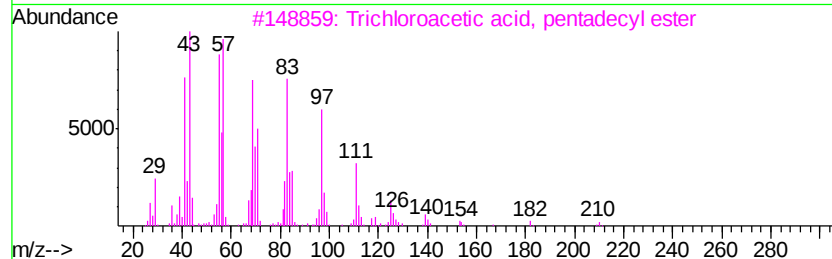
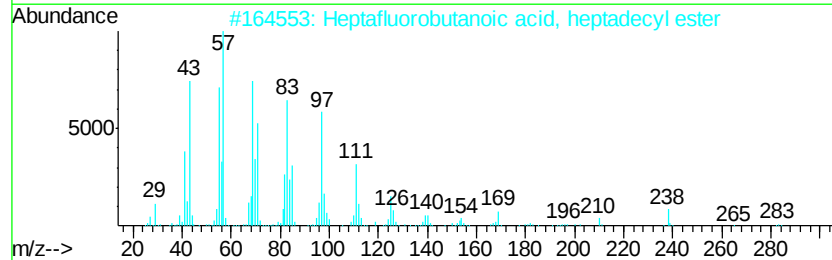
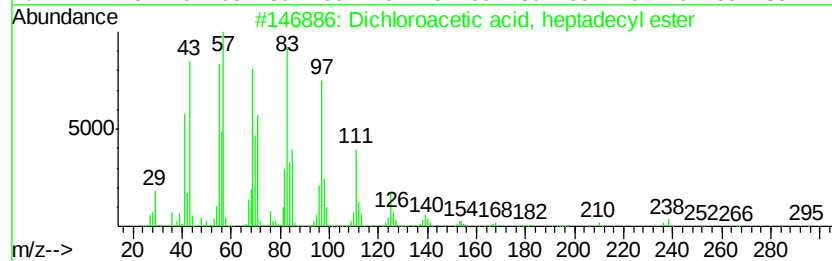
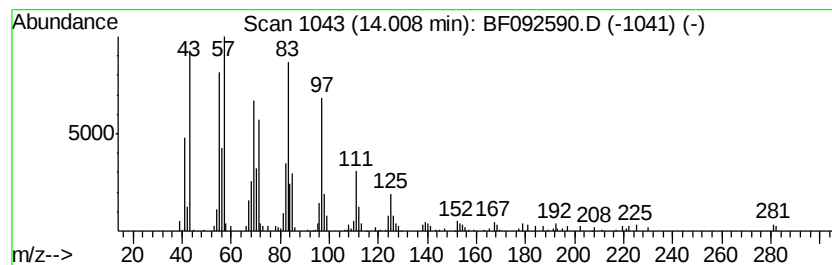
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Dichloroacetic acid, heptad... Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.01 | 2.99 ng | 194993 | Chrysene-d12     | 14.16 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 95   |
| 2    |    | Heptafluorobutanoic acid, heptad... | 452 | C21H35F7O2  | 1000282-97-3 | 91   |
| 3    |    | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0  | 91   |
| 4    |    | 1-Tetracosanol                      | 354 | C24H50O     | 000506-51-4  | 91   |
| 5    |    | Pentafluoropropionic acid, hepta... | 402 | C20H35F5O2  | 1000283-04-2 | 90   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012717\  
Data File : BF092590.D  
Acq On : 27 Jan 2017 21:54  
Operator : SJ/MA  
Sample : I1448-06  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CHA-SB-02-2-4

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012417.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... | 5.17  | 48.1    | ng    | 2417100  | 1                     | 6.97  | 1004150 | 20.0 |
| unknown6.75          | 6.75  | 105.8   | ng    | 5314610  | 1                     | 6.97  | 1004150 | 20.0 |
| Heptacosane          | 10.45 | 2.1     | ng    | 172307   | 3                     | 10.03 | 1614670 | 20.0 |
| Eicosane             | 10.93 | 2.2     | ng    | 185604   | 4                     | 11.53 | 1668620 | 20.0 |
| 1-Hexadecanol        | 11.74 | 4.9     | ng    | 411384   | 4                     | 11.53 | 1668620 | 20.0 |
| Dichloroacetic ac... | 14.01 | 3.0     | ng    | 194993   | 5                     | 14.16 | 1305460 | 20.0 |