

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF091318\  
 Data File : BF108965.D  
 Acq On : 13 Sep 2018 15:38  
 Operator : JU/SJ  
 Sample : PB112800BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112800BL

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:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF090518.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         | 4.942       | 437           | 443         | 455          | rBV      | 111290         | 158459        | 3.33%           | 0.401%        |
| 2         | 5.348       | 506           | 512         | 515          | rBV      | 3429417        | 3633435       | 76.34%          | 9.200%        |
| 3         | 6.366       | 679           | 685         | 688          | rBV      | 3593196        | 3756350       | 78.92%          | 9.511%        |
| 4         | 6.501       | 702           | 708         | 711          | rBV      | 3521073        | 3800635       | 79.85%          | 9.623%        |
| 5         | 6.725       | 743           | 746         | 750          | rBV      | 1134214        | 976767        | 20.52%          | 2.473%        |
| 6         | 6.883       | 769           | 773         | 777          | rBV      | 3267398        | 3026695       | 63.59%          | 7.663%        |
| 7         | 7.289       | 836           | 842         | 845          | rBV      | 2450144        | 2473011       | 51.96%          | 6.261%        |
| 8         | 8.007       | 960           | 964         | 968          | rBV      | 1449214        | 1265407       | 26.59%          | 3.204%        |
| 9         | 9.089       | 1142          | 1148        | 1151         | rBV      | 4467592        | 4559947       | 95.81%          | 11.545%       |
| 10        | 9.760       | 1257          | 1262        | 1265         | rBV      | 1647565        | 1466580       | 30.81%          | 3.713%        |
| 11        | 10.542      | 1390          | 1395        | 1414         | rBV      | 2766562        | 2972328       | 62.45%          | 7.526%        |
| 12        | 11.236      | 1509          | 1513        | 1516         | rBV      | 1912038        | 1570079       | 32.99%          | 3.975%        |
| 13        | 12.824      | 1778          | 1783        | 1786         | rBV      | 4611651        | 4759496       | 100.00%         | 12.051%       |
| 14        | 13.860      | 1955          | 1959        | 1963         | rBV      | 1643396        | 1473629       | 30.96%          | 3.731%        |
| 15        | 14.048      | 1986          | 1991        | 1995         | rBV      | 49601          | 53213         | 1.12%           | 0.135%        |
| 16        | 14.354      | 2040          | 2043        | 2048         | rVB      | 122393         | 111052        | 2.33%           | 0.281%        |
| 17        | 14.648      | 2088          | 2093        | 2100         | rVB      | 276956         | 277323        | 5.83%           | 0.702%        |
| 18        | 14.971      | 2141          | 2148        | 2156         | rBV      | 391441         | 464975        | 9.77%           | 1.177%        |
| 19        | 15.271      | 2194          | 2199        | 2203         | rBV      | 935874         | 1098772       | 23.09%          | 2.782%        |
| 20        | 15.324      | 2203          | 2208        | 2216         | rVB      | 440909         | 566405        | 11.90%          | 1.434%        |
| 21        | 15.730      | 2270          | 2277        | 2288         | rBV      | 322775         | 527506        | 11.08%          | 1.336%        |
| 22        | 16.201      | 2350          | 2357        | 2368         | rBV      | 173810         | 323567        | 6.80%           | 0.819%        |
| 23        | 16.753      | 2444          | 2451        | 2460         | rBV2     | 60312          | 119536        | 2.51%           | 0.303%        |
| 24        | 17.395      | 2555          | 2560        | 2575         | rVB3     | 25423          | 60460         | 1.27%           | 0.153%        |

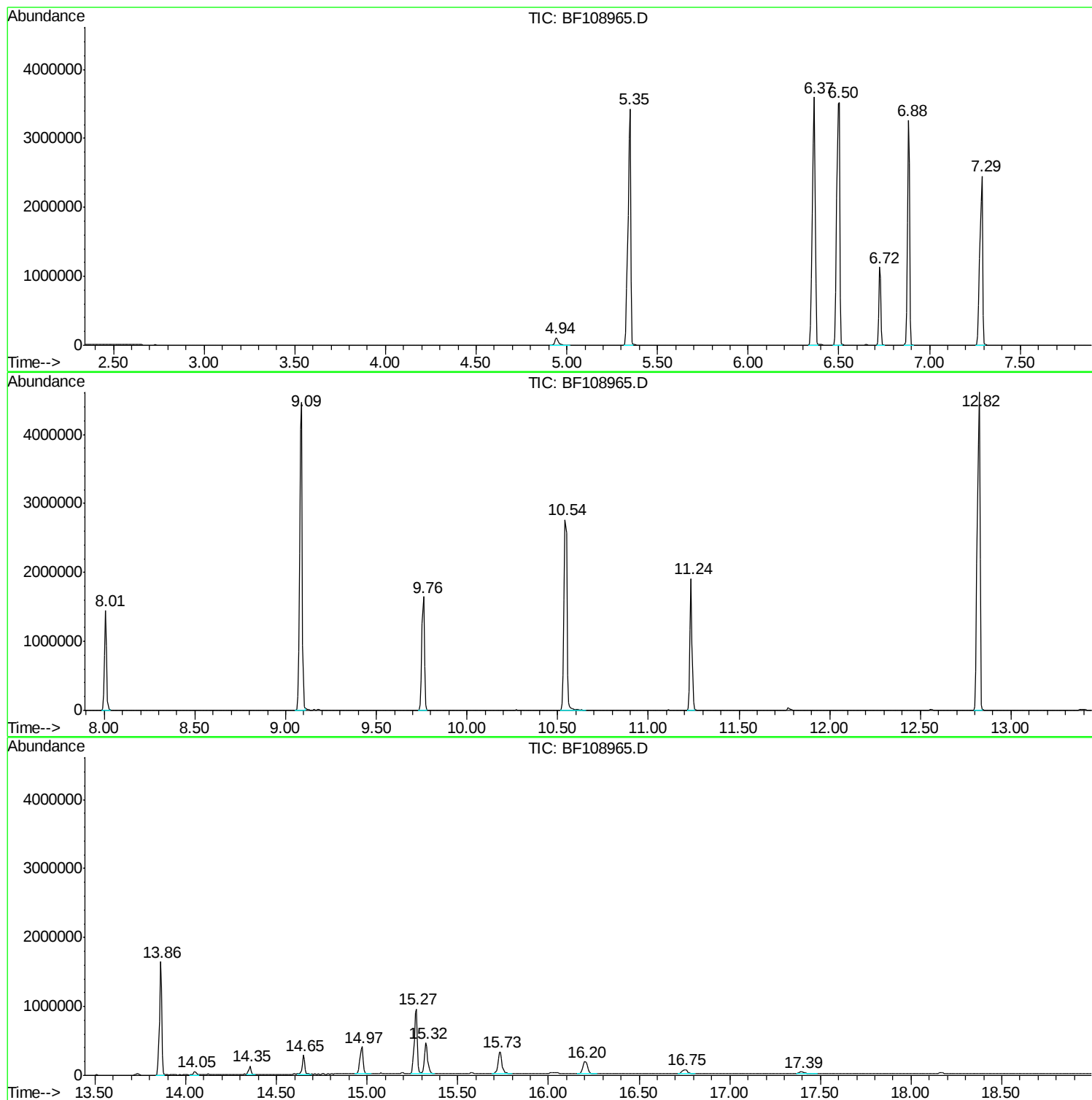
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Sample : PB112800BL  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB112800BL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.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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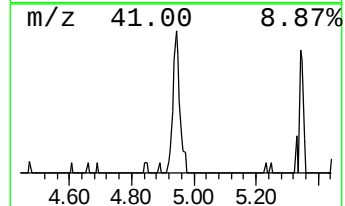
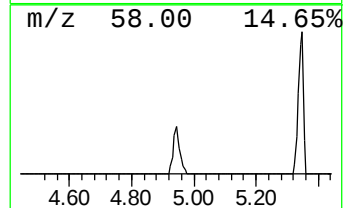
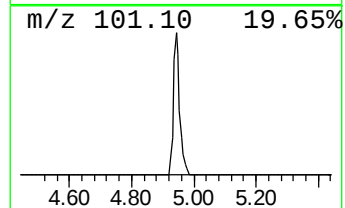
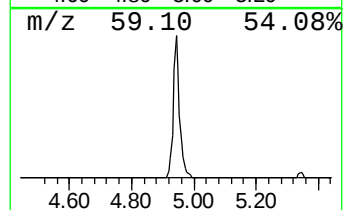
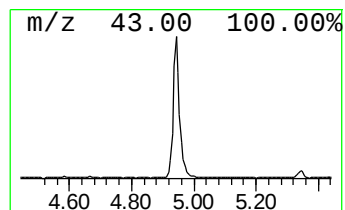
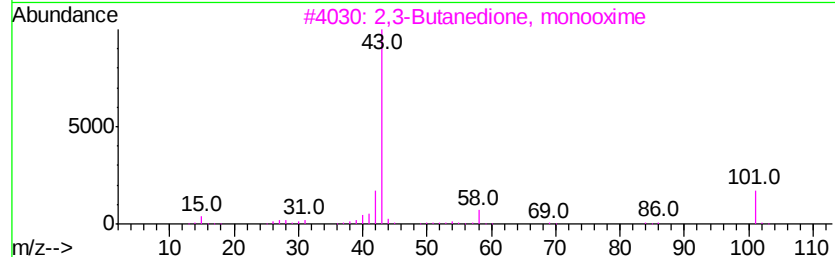
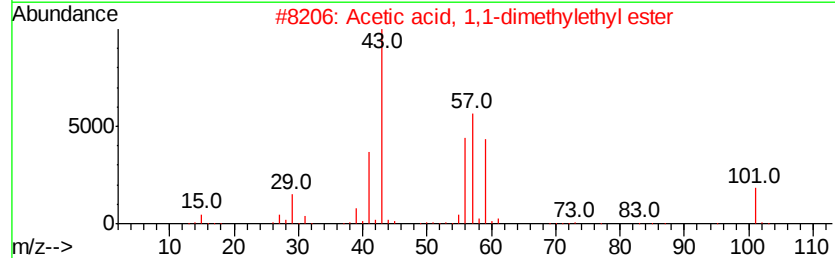
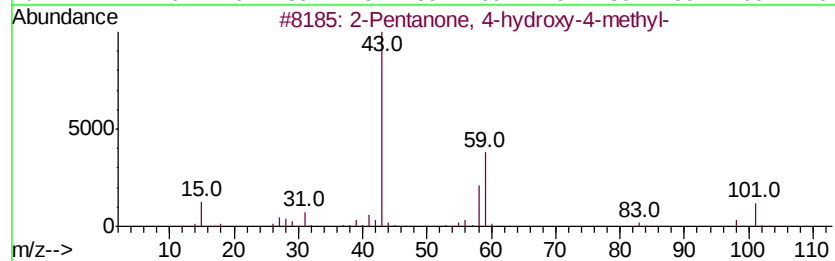
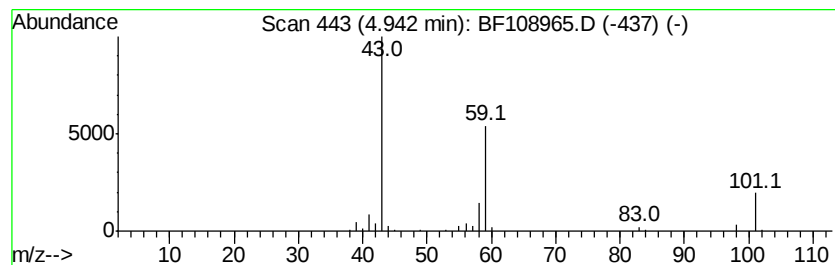
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.94 | 3.24 ng | 158459 | 1,4-Dichlorobenzene-d4 | 6.72 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 45   |
| 2    |    |   | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39   |
| 3    |    |   | 2,3-Butanedione, monooxime          | 101 | C4H7NO2 | 000057-71-6 | 25   |
| 4    |    |   | 5-Hexen-2-one                       | 98  | C6H10O  | 000109-49-9 | 9    |
| 5    |    |   | 3-Heptanol, 4-methyl-               | 130 | C8H18O  | 014979-39-6 | 9    |



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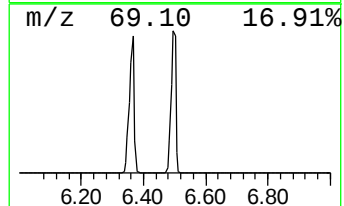
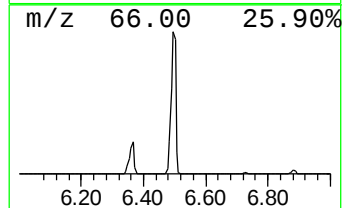
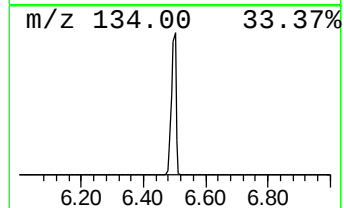
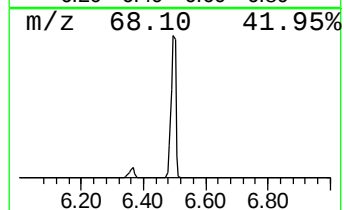
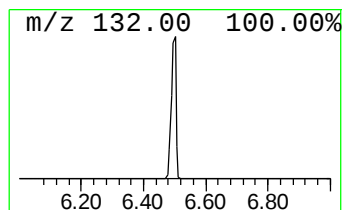
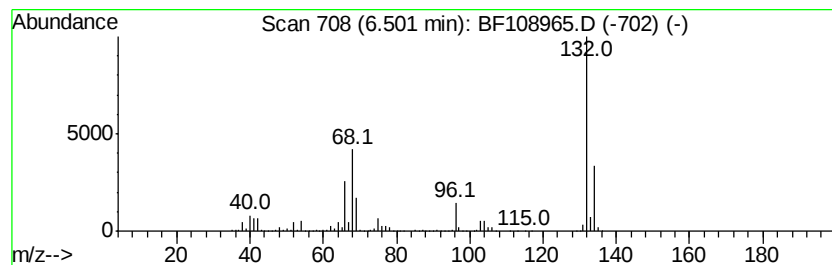
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 unknown6.50 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.50 | 77.82 ng | 3800640 | 1,4-Dichlorobenzene-d4 | 6.72 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    |   | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 12   |
| 3    |    |   | Tranvlcypropine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 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    |



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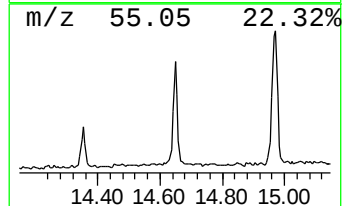
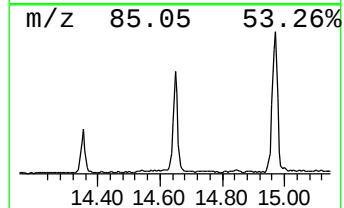
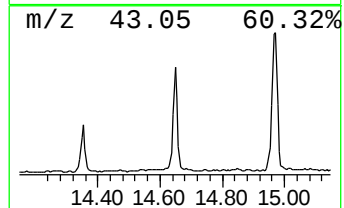
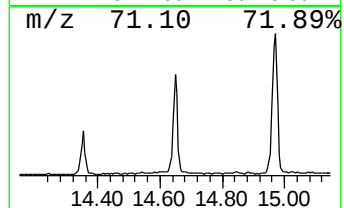
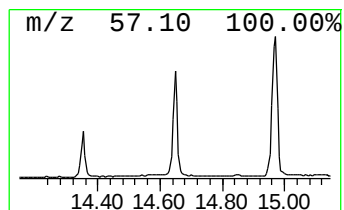
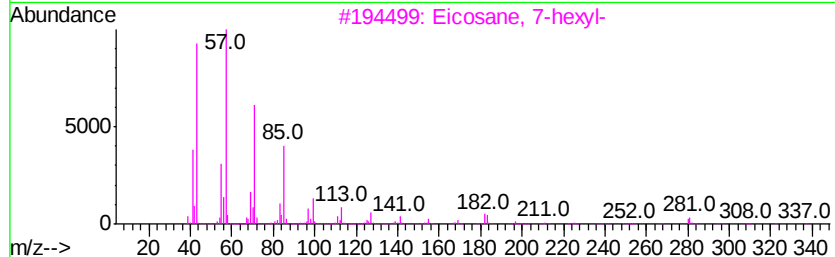
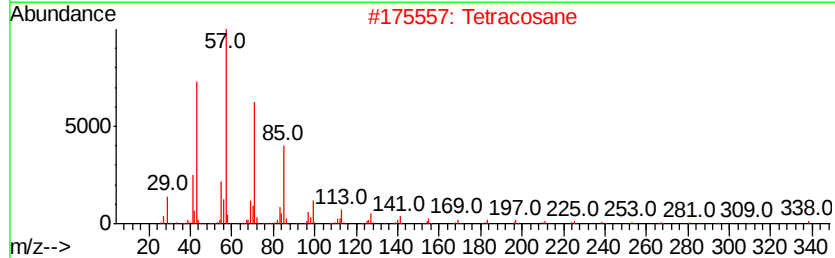
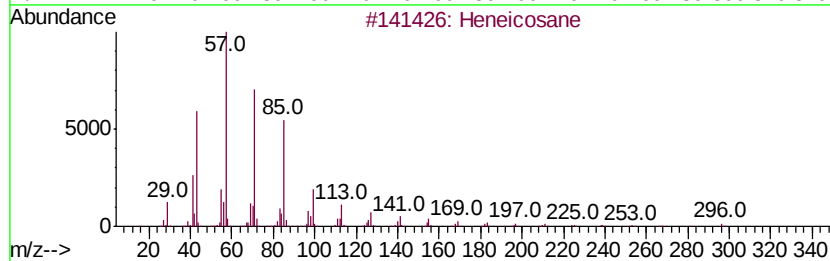
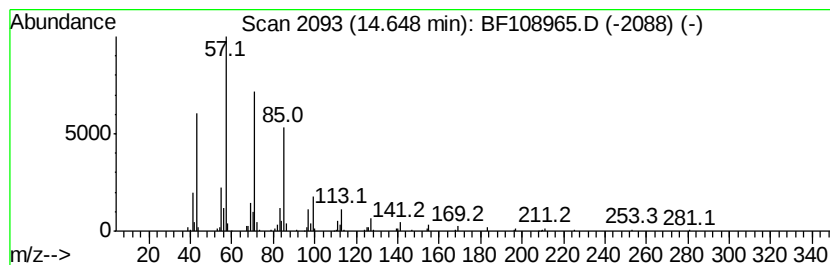
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Heneicosane Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.65 | 5.05 ng | 277323 | Perylene-d12     | 15.27 |

| Hit# of | 5                     | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-----------------------|--------------|-----|---------|-------------|------|
| 1       | Heneicosane           |              | 296 | C21H44  | 000629-94-7 | 91   |
| 2       | Tetracosane           |              | 338 | C24H50  | 000646-31-1 | 90   |
| 3       | Eicosane, 7-hexyl-    |              | 366 | C26H54  | 055333-99-8 | 90   |
| 4       | Tetratetracontane     |              | 619 | C44H90  | 007098-22-8 | 87   |
| 5       | Nonadecane, 2-methyl- |              | 282 | C20H42  | 001560-86-7 | 86   |



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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB112800BL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

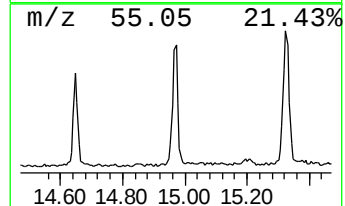
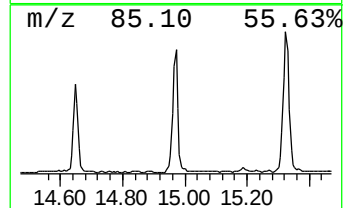
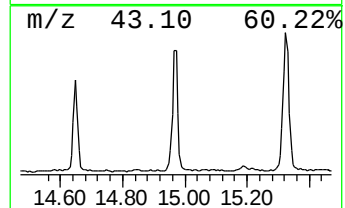
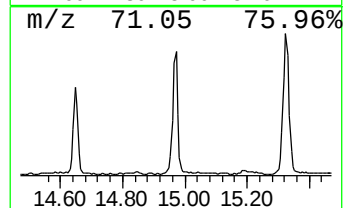
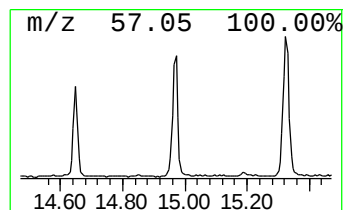
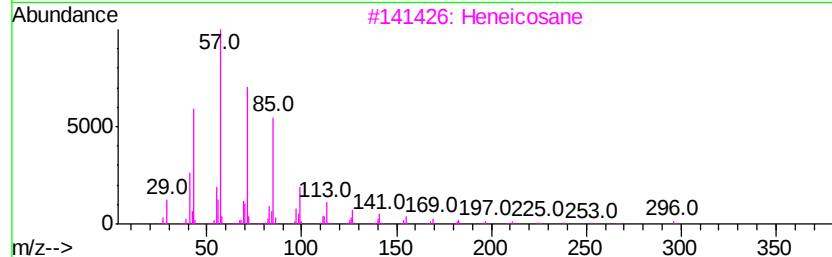
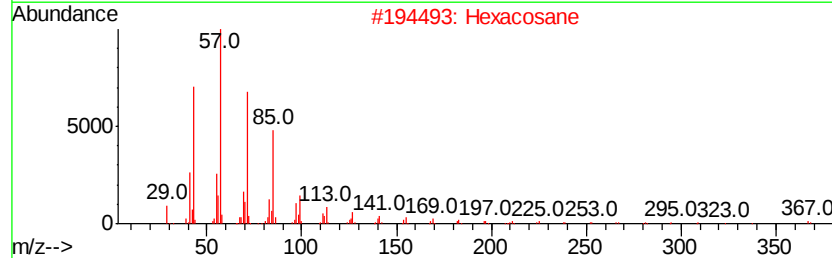
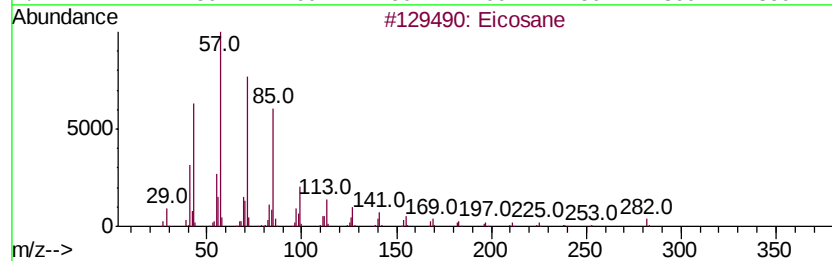
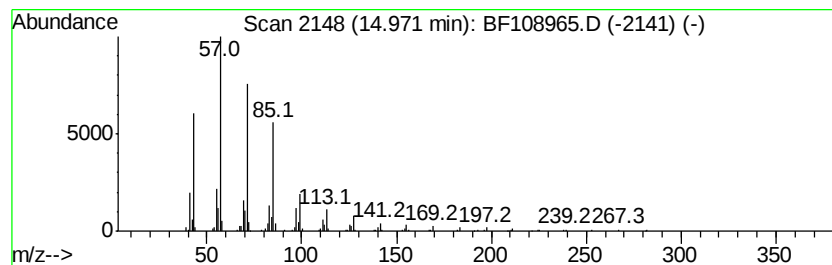
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Eicosane Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.97 | 8.46 ng | 464975 | Perylene-d12     | 15.27 |

| Hit# of | 5           | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------|--------------|-----|---------|-------------|------|
| 1       | Eicosane    |              | 282 | C20H42  | 000112-95-8 | 95   |
| 2       | Hexacosane  |              | 366 | C26H54  | 000630-01-3 | 91   |
| 3       | Heneicosane |              | 296 | C21H44  | 000629-94-7 | 91   |
| 4       | Nonadecane  |              | 268 | C19H40  | 000629-92-5 | 91   |
| 5       | Heptadecane |              | 240 | C17H36  | 000629-78-7 | 91   |



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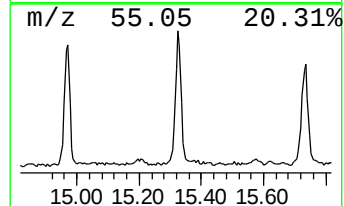
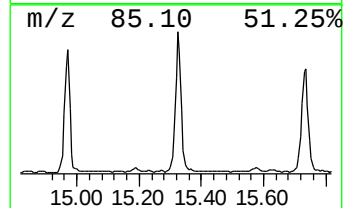
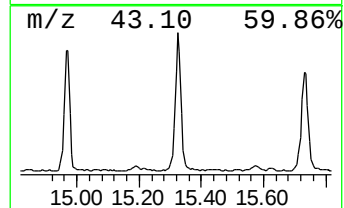
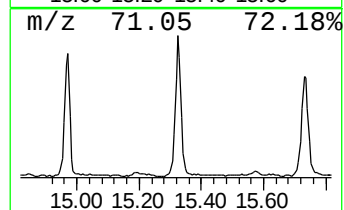
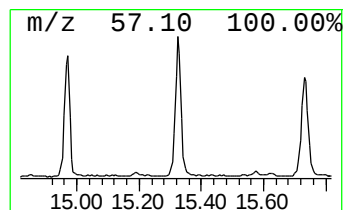
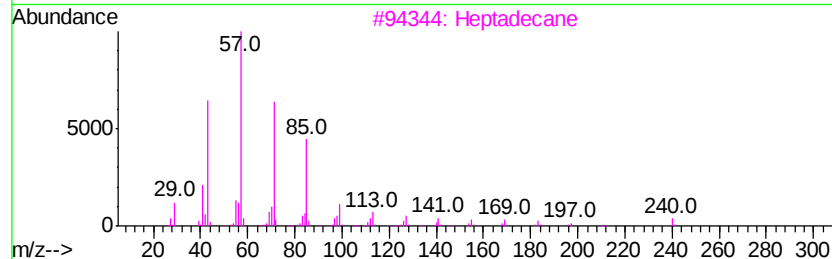
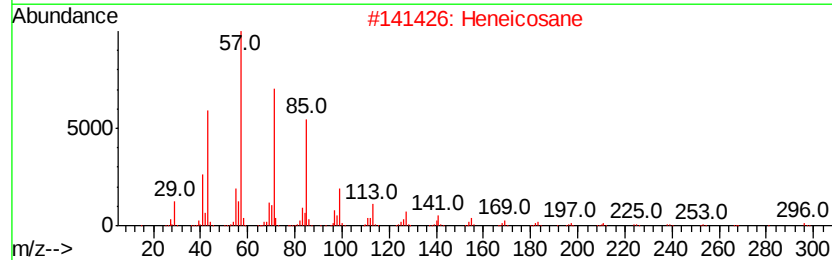
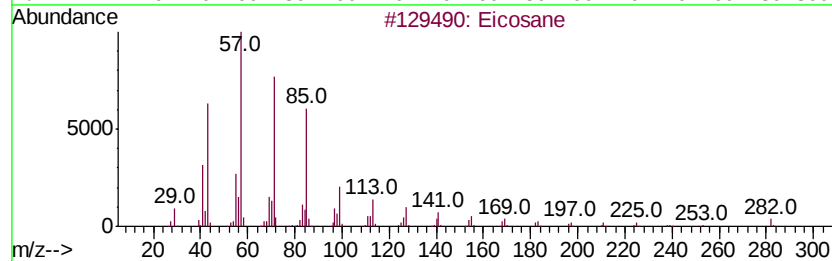
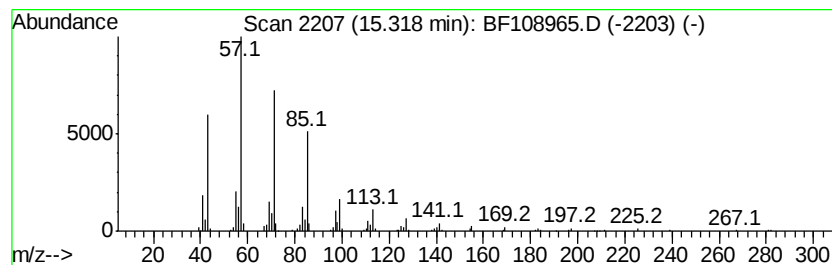
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ClientSampleId :  
PB112800BL

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Peak Number 6 Heptadecane Concentration Rank 3

| R.T.    | EstConc            | Area         | Relative to ISTD | R.T.      |
|---------|--------------------|--------------|------------------|-----------|
| 15.32   | 10.31 ng           | 566405       | Perylene-d12     | 15.27     |
| Hit# of | 5                  | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Eicosane           | 282 C20H42   | 000112-95-8      | 94        |
| 2       | Heneicosane        | 296 C21H44   | 000629-94-7      | 91        |
| 3       | Heptadecane        | 240 C17H36   | 000629-78-7      | 91        |
| 4       | Nonadecane         | 268 C19H40   | 000629-92-5      | 91        |
| 5       | Eicosane, 7-hexyl- | 366 C26H54   | 055333-99-8      | 90        |



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ClientSampleId :  
PB112800BL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

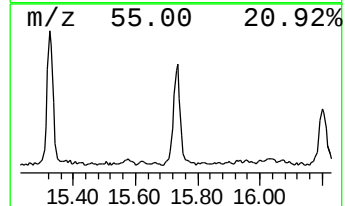
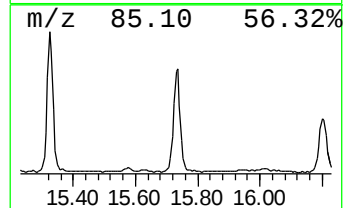
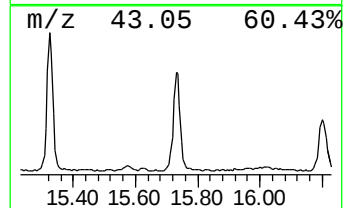
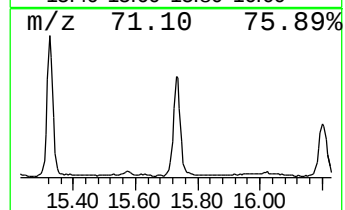
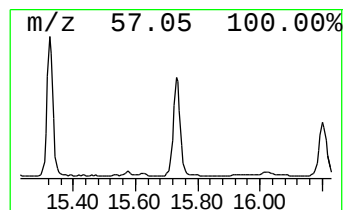
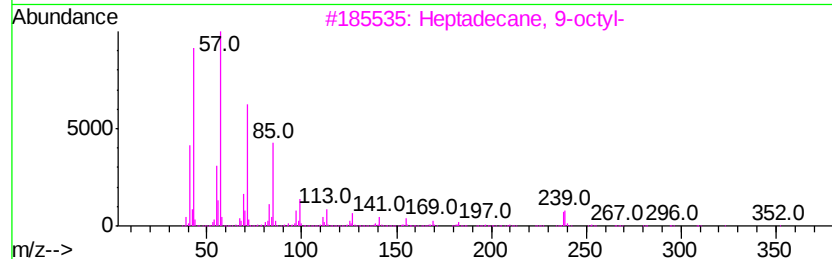
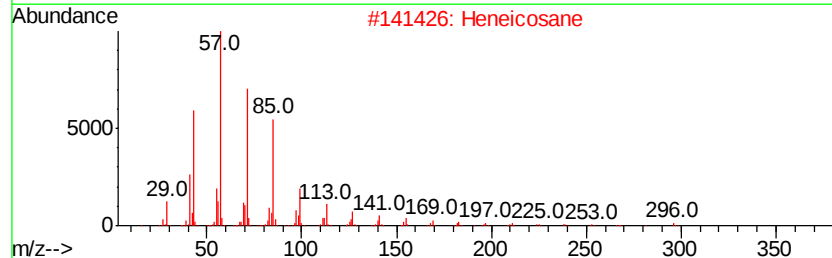
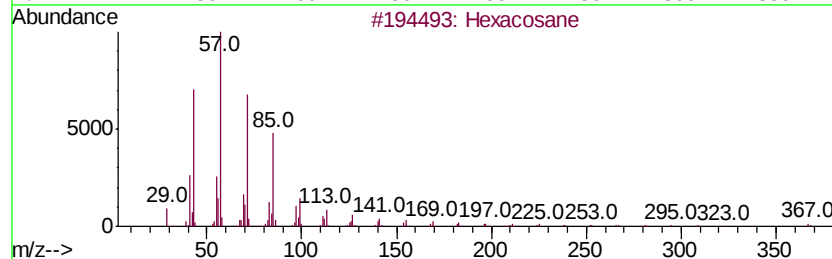
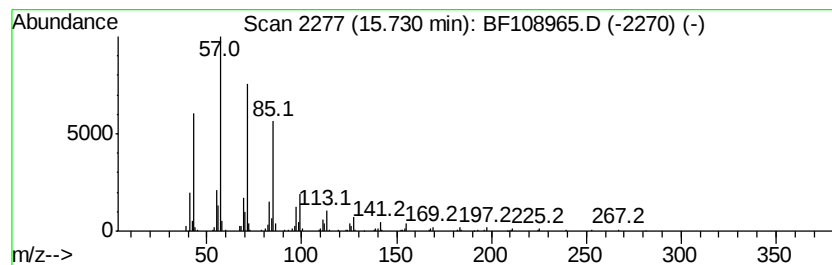
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Hexacosane Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.73 | 9.60 ng | 527506 | Perylene-d12     | 15.27 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#         | Qual |
|------|----|-----------------------|-----|---------|--------------|------|
| 1    | 5  | Hexacosane            | 366 | C26H54  | 000630-01-3  | 91   |
| 2    |    | Heneicosane           | 296 | C21H44  | 000629-94-7  | 91   |
| 3    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1  | 91   |
| 4    |    | 2-methyloctacosane    | 408 | C29H60  | 1000376-72-8 | 91   |
| 5    |    | Octadecane            | 254 | C18H38  | 000593-45-3  | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091318\  
Data File : BF108965.D  
Acq On : 13 Sep 2018 15:38  
Operator : JU/SJ  
Sample : PB112800BL  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB112800BL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

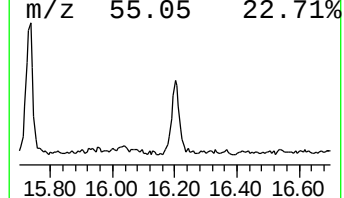
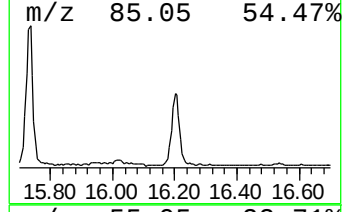
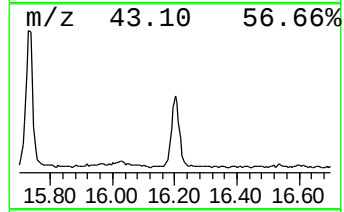
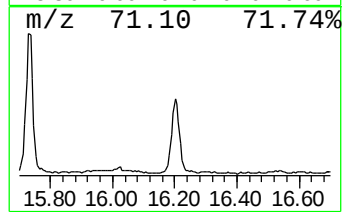
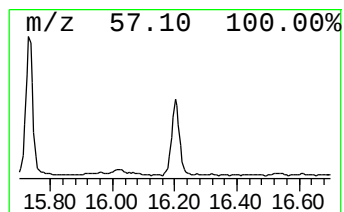
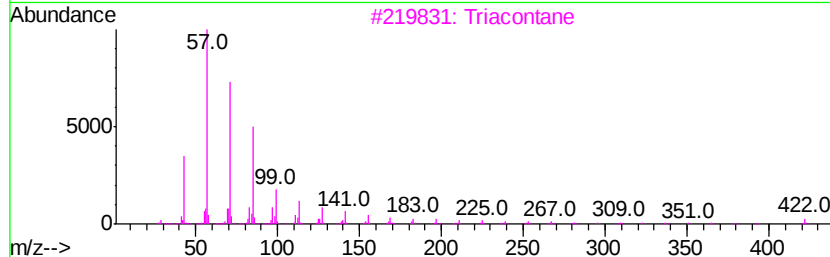
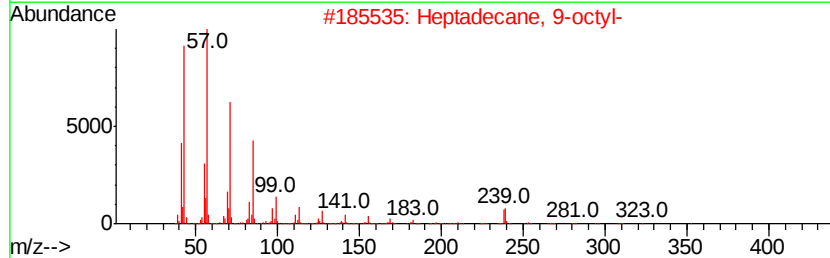
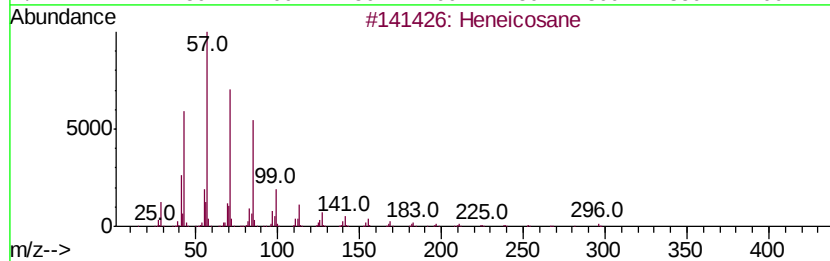
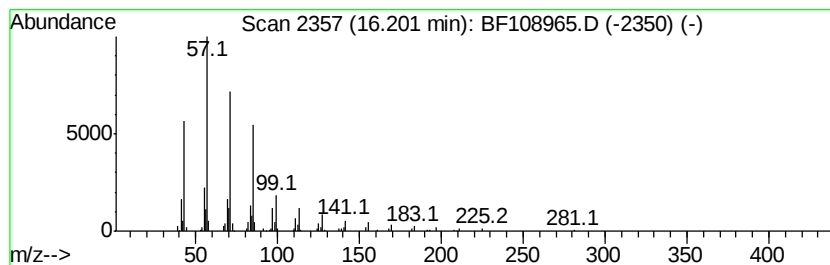
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Heptadecane, 9-octyl- Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.20 | 5.89 ng | 323567 | Perylene-d12     | 15.27 |

| Hit# of | 5                     | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-----------------------|--------------|-----|---------|-------------|------|
| 1       | Heneicosane           |              | 296 | C21H44  | 000629-94-7 | 91   |
| 2       | Heptadecane, 9-octyl- |              | 352 | C25H52  | 007225-64-1 | 91   |
| 3       | Triacontane           |              | 422 | C30H62  | 000638-68-6 | 91   |
| 4       | Heptacosane           |              | 380 | C27H56  | 000593-49-7 | 91   |
| 5       | Hexacosane            |              | 366 | C26H54  | 000630-01-3 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091318\  
Data File : BF108965.D  
Acq On : 13 Sep 2018 15:38  
Operator : JU/SJ  
Sample : PB112800BL  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB112800BL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

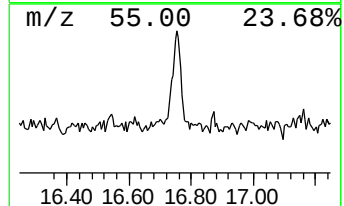
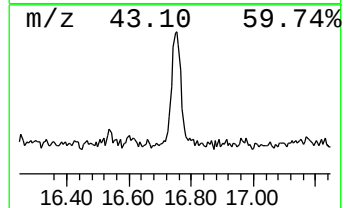
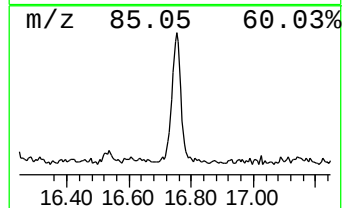
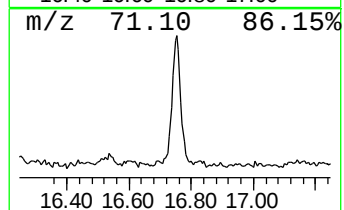
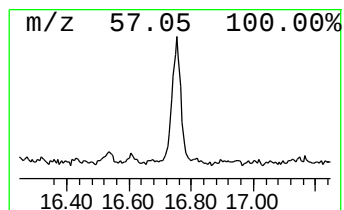
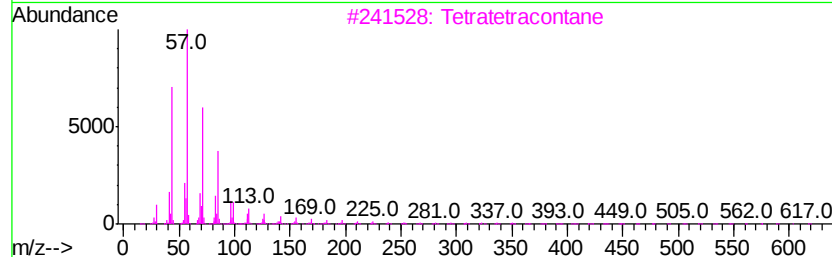
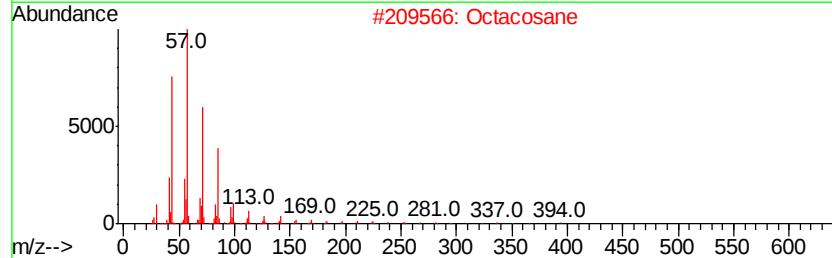
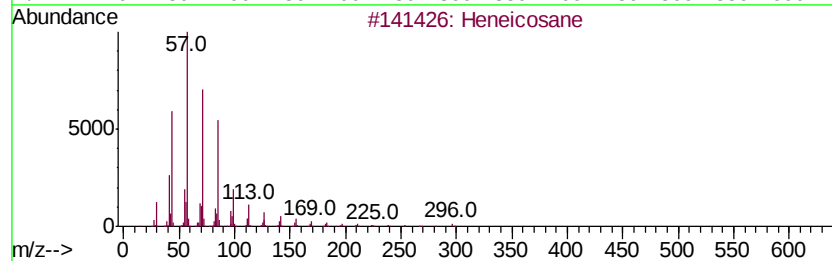
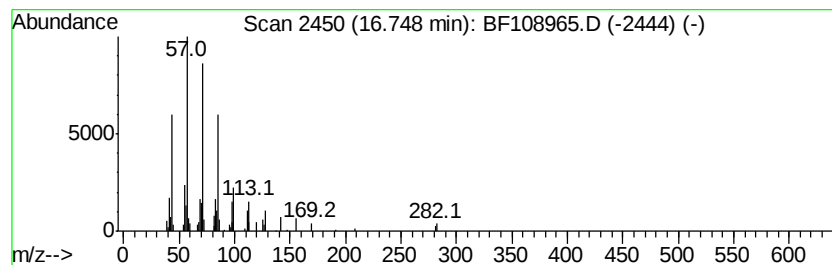
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Octacosane Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.75 | 2.18 ng | 119536 | Perylene-d12     | 15.27 |

| Hit# of | 5                  | Tentative ID | MW  | MolForm | CAS#         | Qual |
|---------|--------------------|--------------|-----|---------|--------------|------|
| 1       | Heneicosane        |              | 296 | C21H44  | 000629-94-7  | 91   |
| 2       | Octacosane         |              | 394 | C28H58  | 000630-02-4  | 91   |
| 3       | Tetratetracontane  |              | 619 | C44H90  | 007098-22-8  | 91   |
| 4       | Hexacosane         |              | 366 | C26H54  | 000630-01-3  | 91   |
| 5       | 2-methyloctacosane |              | 408 | C29H60  | 1000376-72-8 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF091318\  
Data File : BF108965.D  
Acq On : 13 Sep 2018 15:38  
Operator : JU/SJ  
Sample : PB112800BL  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB112800BL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF090518.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... | 4.94  | 3.2     | ng    | 158459   | 1                     | 6.72  | 976767  | 20.0 |
| unknown6.50          | 6.50  | 77.8    | ng    | 3800640  | 1                     | 6.72  | 976767  | 20.0 |
| Heneicosane          | 14.65 | 5.0     | ng    | 277323   | 6                     | 15.27 | 1098770 | 20.0 |
| Eicosane             | 14.97 | 8.5     | ng    | 464975   | 6                     | 15.27 | 1098770 | 20.0 |
| Heptadecane          | 15.32 | 10.3    | ng    | 566405   | 6                     | 15.27 | 1098770 | 20.0 |
| Hexacosane           | 15.73 | 9.6     | ng    | 527506   | 6                     | 15.27 | 1098770 | 20.0 |
| Heptadecane, 9-oc... | 16.20 | 5.9     | ng    | 323567   | 6                     | 15.27 | 1098770 | 20.0 |
| Octacosane           | 16.75 | 2.2     | ng    | 119536   | 6                     | 15.27 | 1098770 | 20.0 |