

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF100818\  
 Data File : BF109662.D  
 Acq On : 8 Oct 2018 21:57  
 Operator : JU/SJ  
 Sample : J5248-01  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 N48971

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:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF100818.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         | 4.893       | 473           | 477         | 487          | rBV      | 26014          | 39667         | 1.62%           | 0.234%        |
| 2         | 5.316       | 546           | 549         | 566          | rBV      | 599539         | 893967        | 36.48%          | 5.271%        |
| 3         | 6.345       | 721           | 724         | 741          | rBV      | 344902         | 699639        | 28.55%          | 4.125%        |
| 4         | 6.469       | 741           | 745         | 780          | rVV      | 1687961        | 2089556       | 85.28%          | 12.320%       |
| 5         | 6.698       | 780           | 784         | 806          | rVV      | 430483         | 631927        | 25.79%          | 3.726%        |
| 6         | 6.851       | 806           | 810         | 842          | rVB      | 1659801        | 1850271       | 75.51%          | 10.909%       |
| 7         | 7.263       | 876           | 880         | 914          | rBV      | 1076694        | 1482874       | 60.52%          | 8.743%        |
| 8         | 7.975       | 998           | 1001        | 1029         | rBV      | 539192         | 707252        | 28.86%          | 4.170%        |
| 9         | 9.051       | 1180          | 1184        | 1201         | rBV      | 2473948        | 2450333       | 100.00%         | 14.447%       |
| 10        | 9.445       | 1247          | 1251        | 1259         | rBV      | 124679         | 129983        | 5.30%           | 0.766%        |
| 11        | 9.722       | 1294          | 1298        | 1312         | rBV      | 666732         | 673014        | 27.47%          | 3.968%        |
| 12        | 10.510      | 1428          | 1432        | 1449         | rBV      | 1026336        | 1173831       | 47.90%          | 6.921%        |
| 13        | 11.198      | 1546          | 1549        | 1568         | rBV      | 490945         | 576156        | 23.51%          | 3.397%        |
| 14        | 11.739      | 1638          | 1641        | 1655         | rBV2     | 71171          | 99038         | 4.04%           | 0.584%        |
| 15        | 12.674      | 1794          | 1800        | 1812         | rBV3     | 21740          | 48729         | 1.99%           | 0.287%        |
| 16        | 12.780      | 1814          | 1818        | 1826         | rBV      | 1896833        | 1761447       | 71.89%          | 10.385%       |
| 17        | 13.686      | 1968          | 1972        | 1982         | rBV2     | 83960          | 142223        | 5.80%           | 0.839%        |
| 18        | 13.827      | 1992          | 1996        | 2009         | rVB      | 530946         | 575128        | 23.47%          | 3.391%        |
| 19        | 14.298      | 2073          | 2076        | 2079         | rBV      | 28482          | 28656         | 1.17%           | 0.169%        |
| 20        | 14.592      | 2123          | 2126        | 2131         | rVB      | 53449          | 52436         | 2.14%           | 0.309%        |
| 21        | 14.663      | 2135          | 2138        | 2141         | rVB      | 26027          | 24582         | 1.00%           | 0.145%        |
| 22        | 14.904      | 2175          | 2179        | 2184         | rBV      | 63878          | 72707         | 2.97%           | 0.429%        |
| 23        | 15.221      | 2228          | 2233        | 2236         | rBV      | 371091         | 476111        | 19.43%          | 2.807%        |
| 24        | 15.251      | 2236          | 2238        | 2245         | rVB      | 86264          | 103457        | 4.22%           | 0.610%        |
| 25        | 15.645      | 2301          | 2305        | 2311         | rBV      | 64834          | 90851         | 3.71%           | 0.536%        |
| 26        | 16.104      | 2378          | 2383        | 2388         | rBV2     | 38288          | 57996         | 2.37%           | 0.342%        |
| 27        | 16.633      | 2470          | 2473        | 2483         | rVB5     | 15719          | 29030         | 1.18%           | 0.171%        |

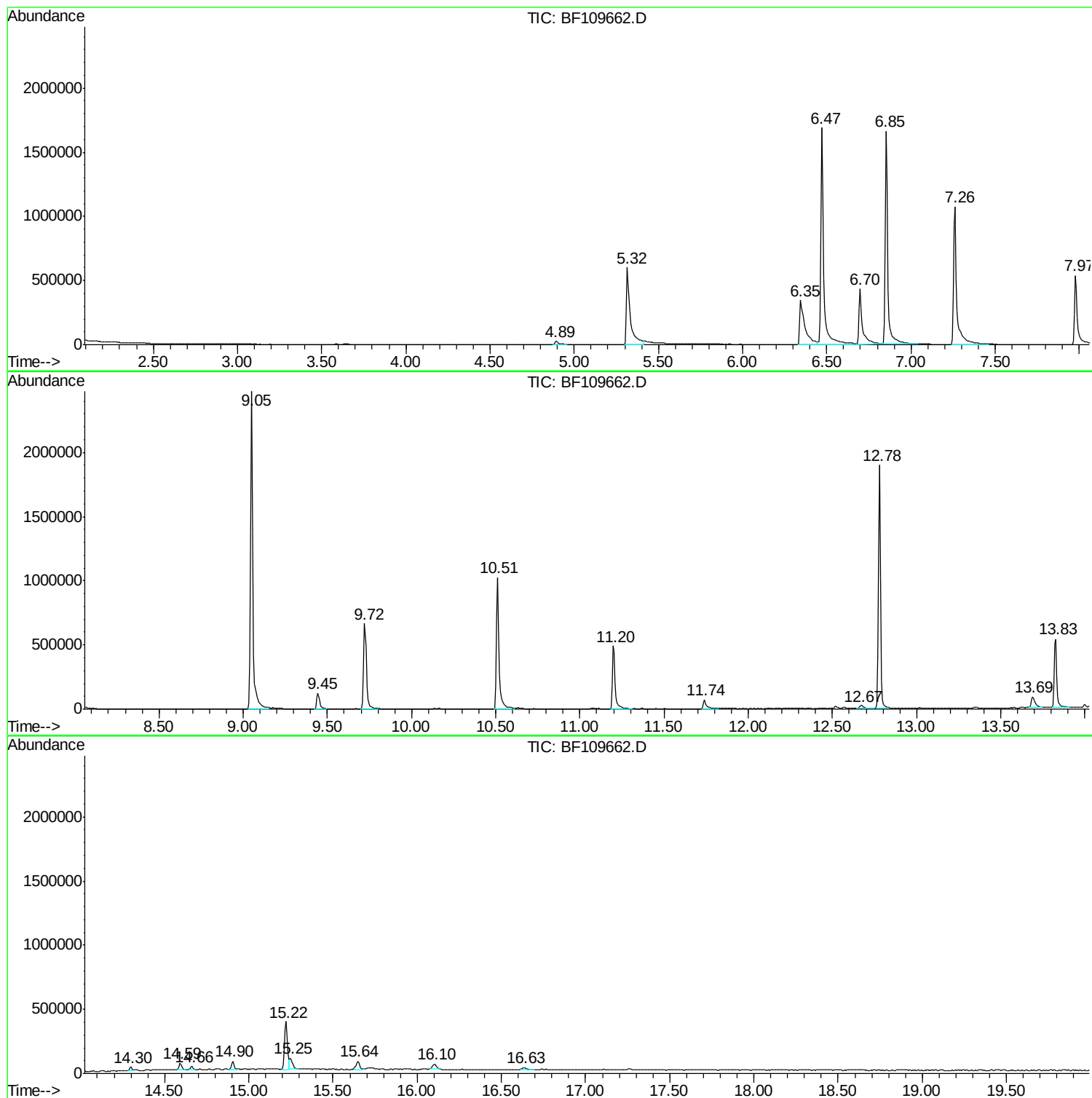
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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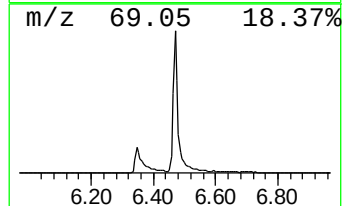
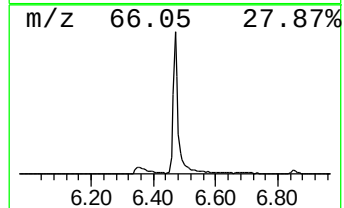
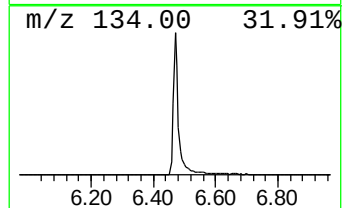
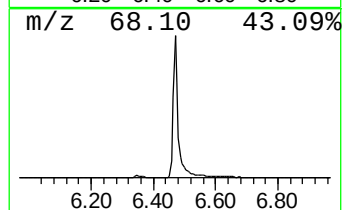
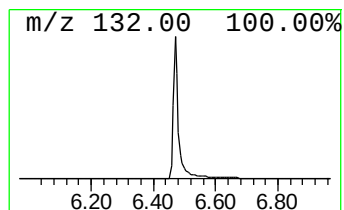
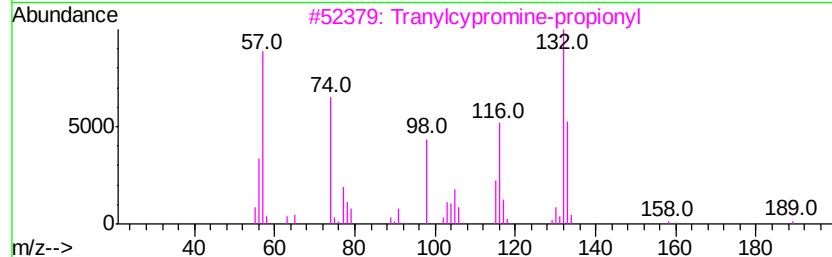
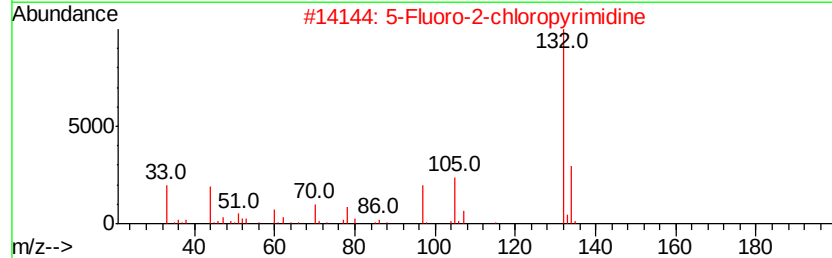
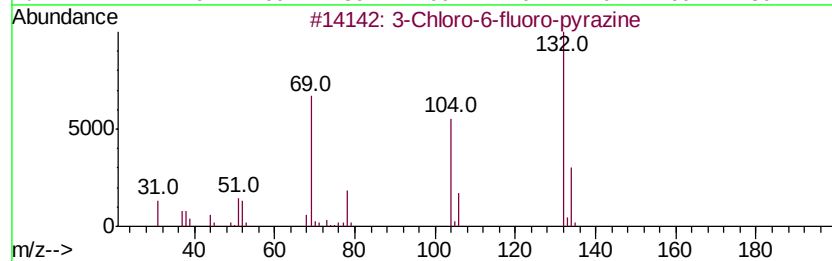
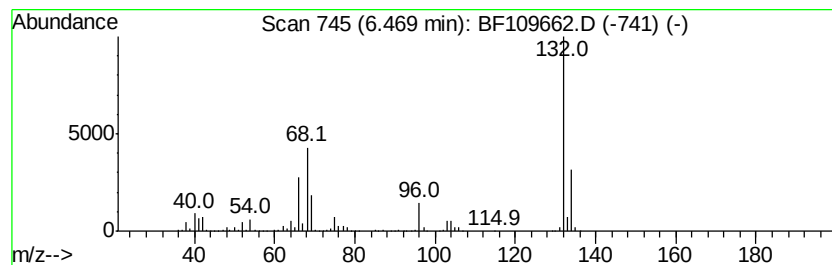
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 unknown6.47 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.47 | 66.13 ng | 2089560 | 1,4-Dichlorobenzene-d4 | 6.70 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 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    |    | Benzene, 1-ethenyl-3,5-dimethyl-    | 132 | C10H12    | 005379-20-4  | 9    |



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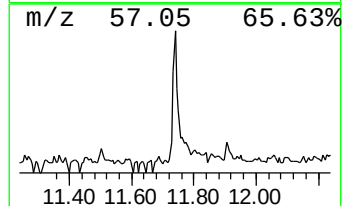
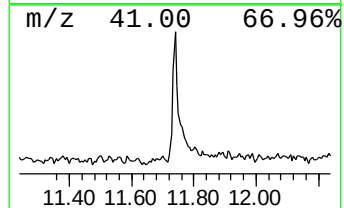
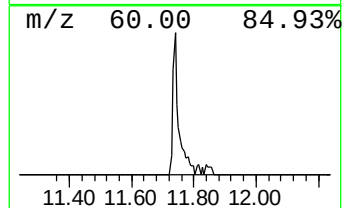
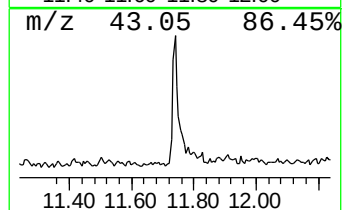
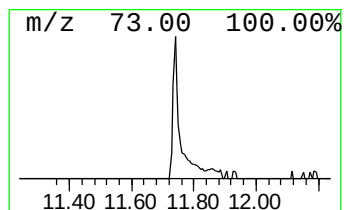
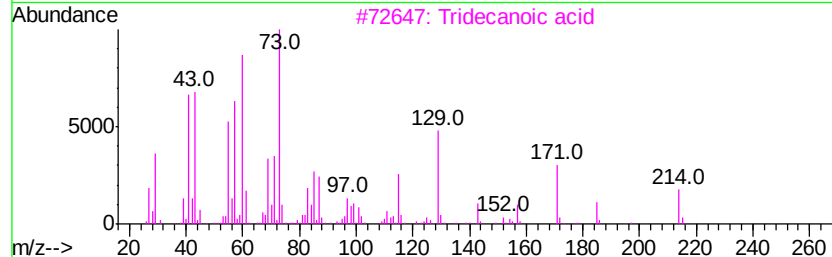
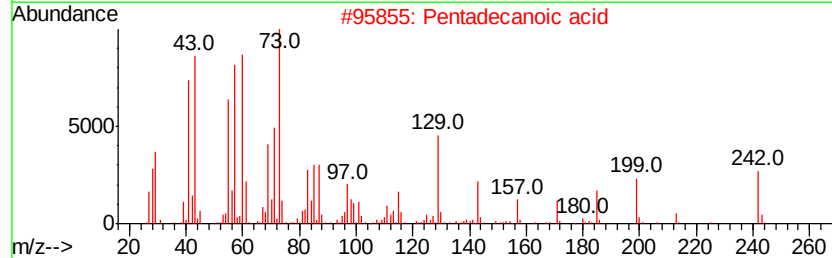
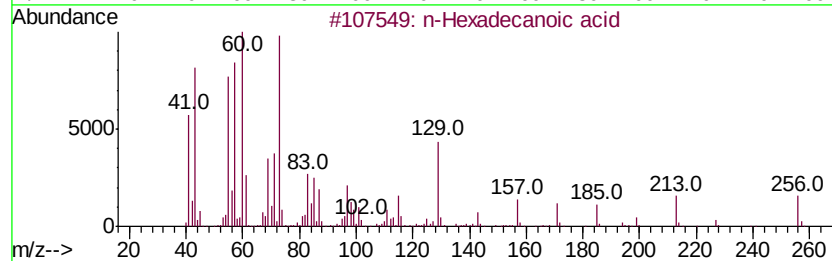
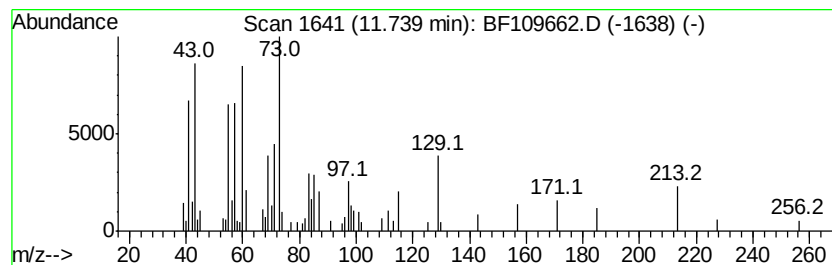
Instrument :  
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TIC Library : C:\DATABASE\NIST11.L  
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 5

| R.T.    | EstConc | Area                | Relative to ISTD |          | R.T.        |      |
|---------|---------|---------------------|------------------|----------|-------------|------|
| 11.74   | 3.44 ng | 99038               | Phenanthrene-d10 |          | 11.20       |      |
| Hit# of | 5       | Tentative ID        | MW               | MolForm  | CAS#        | Qual |
| 1       |         | n-Hexadecanoic acid | 256              | C16H32O2 | 000057-10-3 | 97   |
| 2       |         | Pentadecanoic acid  | 242              | C15H30O2 | 001002-84-2 | 87   |
| 3       |         | Tridecanoic acid    | 214              | C13H26O2 | 000638-53-9 | 74   |
| 4       |         | Tetradecanoic acid  | 228              | C14H28O2 | 000544-63-8 | 72   |
| 5       |         | n-Decanoic acid     | 172              | C10H20O2 | 000334-48-5 | 59   |



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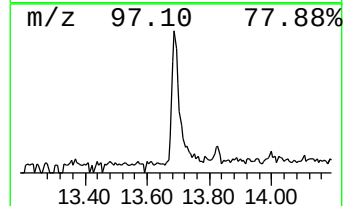
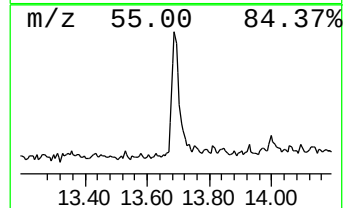
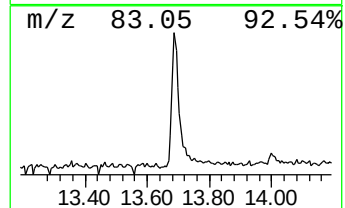
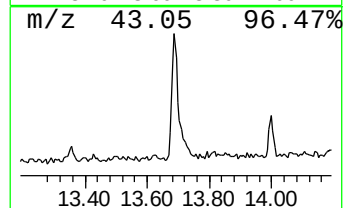
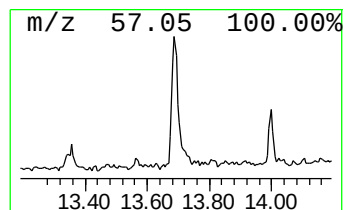
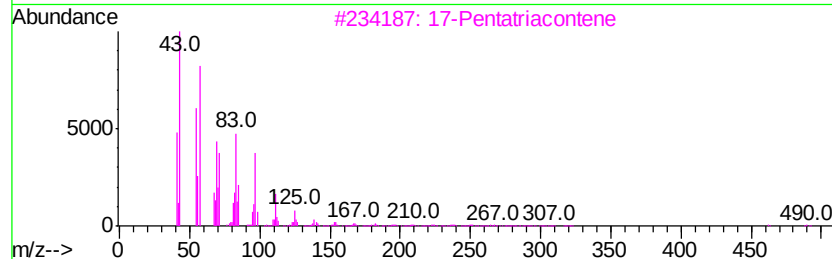
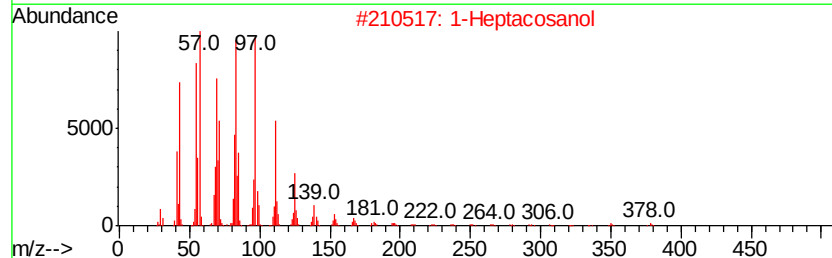
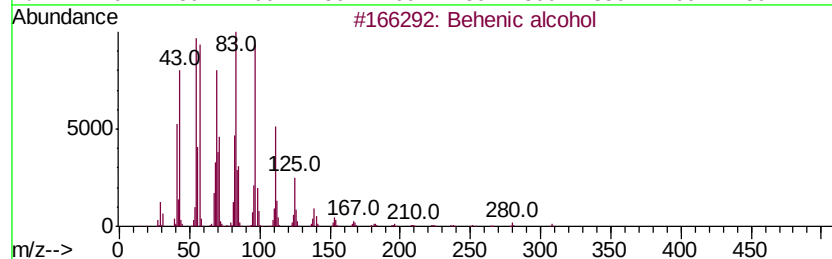
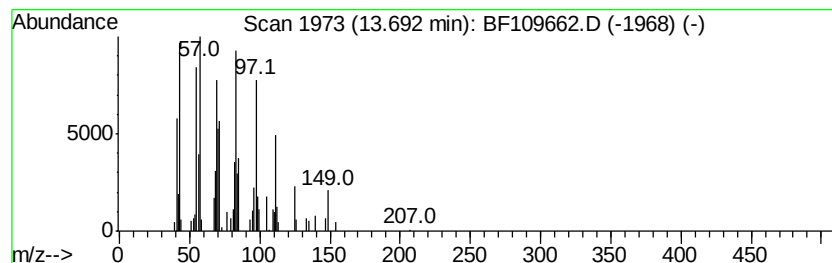
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Behenic alcohol Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.69 | 4.95 ng | 142223 | Chrysene-d12     | 13.83 |

| Hit# | of | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------|-----|---------|-------------|------|
| 1    | 5  | Behenic alcohol     | 326 | C22H46O | 000661-19-8 | 93   |
| 2    |    | 1-Heptacosanol      | 396 | C27H56O | 002004-39-9 | 91   |
| 3    |    | 17-Pentatriacontene | 491 | C35H70  | 006971-40-0 | 91   |
| 4    |    | n-Tetracosanol-1    | 354 | C24H50O | 000506-51-4 | 90   |
| 5    |    | 1-Heneicosanol      | 312 | C21H44O | 015594-90-8 | 90   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M  
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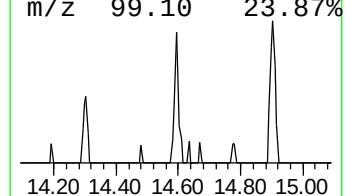
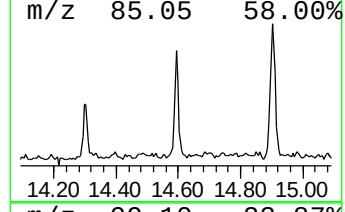
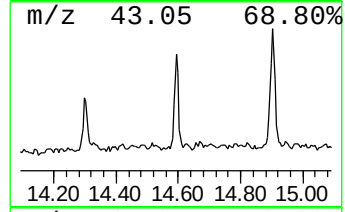
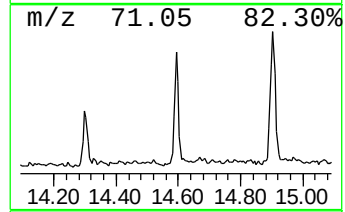
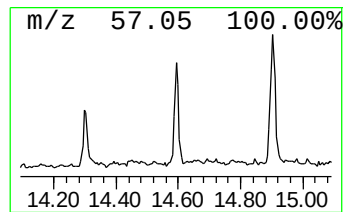
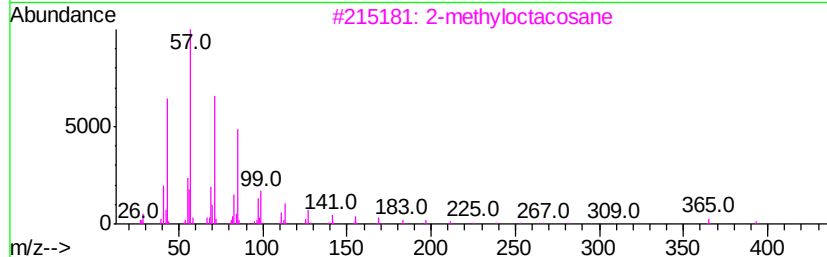
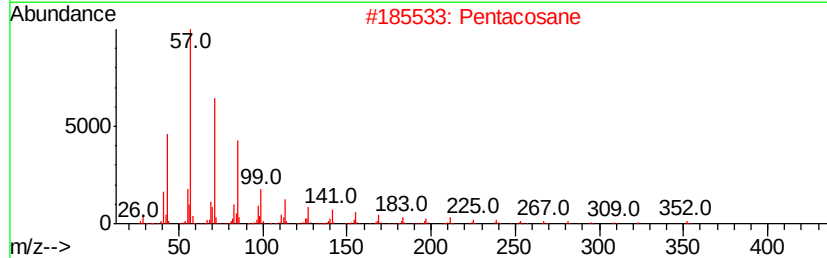
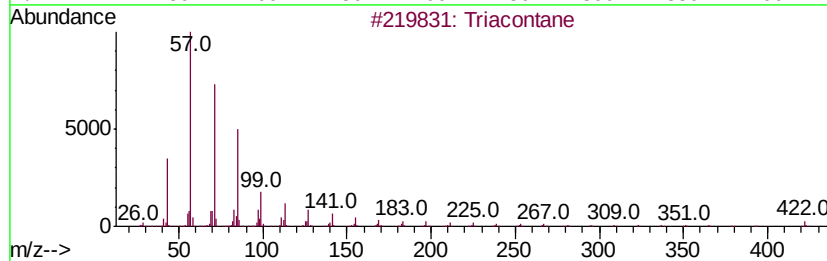
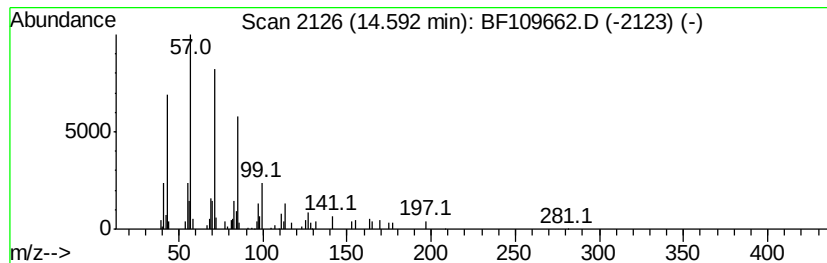
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Triacontane Concentration Rank 8

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 14.59 | 2.20 ng | 52436 | Perylene-d12     | 15.22 |

| Hit# of | 5 | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|---------|---|--------------------|-----|---------|--------------|------|
| 1       |   | Triacontane        | 422 | C30H62  | 000638-68-6  | 91   |
| 2       |   | Pentacosane        | 352 | C25H52  | 000629-99-2  | 91   |
| 3       |   | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 91   |
| 4       |   | Hexacosane         | 366 | C26H54  | 000630-01-3  | 90   |
| 5       |   | Heneicosane        | 296 | C21H44  | 000629-94-7  | 90   |



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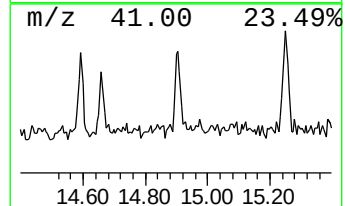
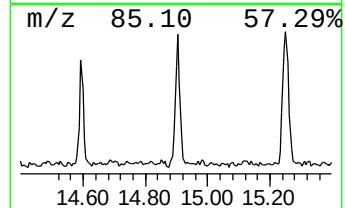
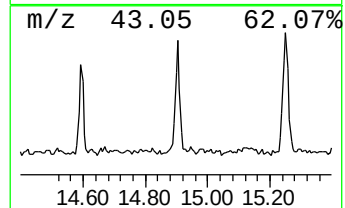
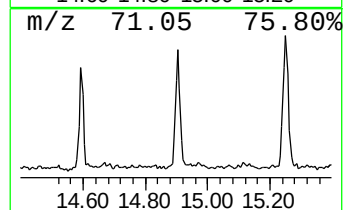
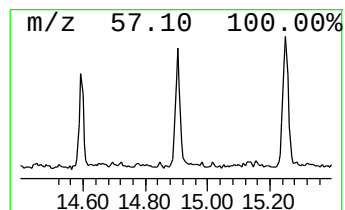
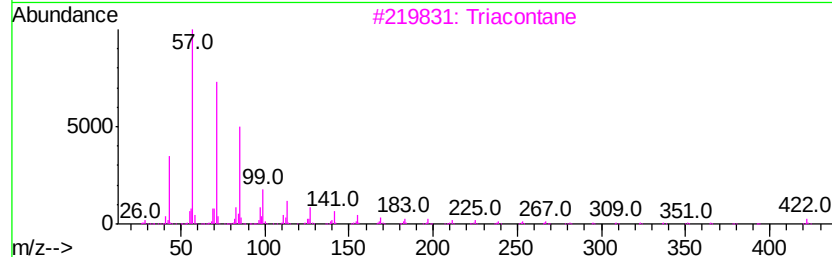
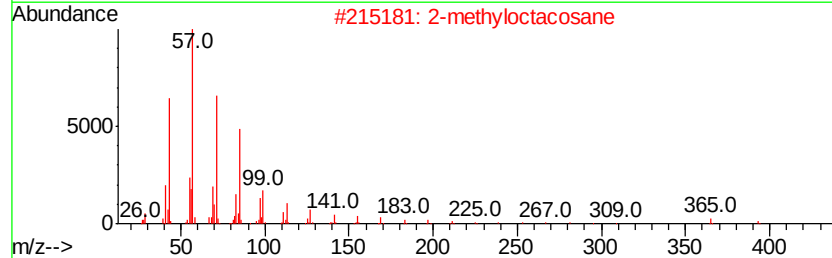
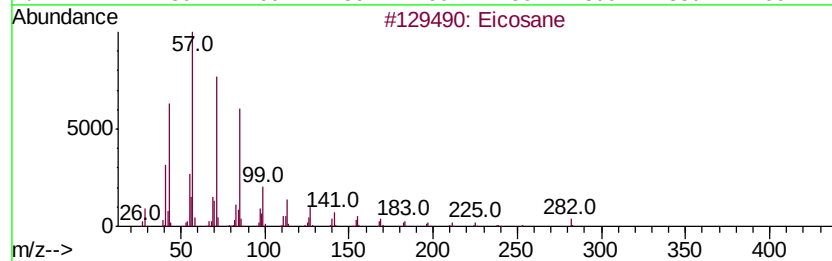
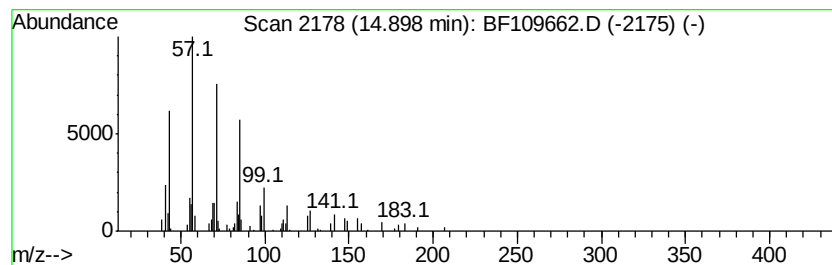
Instrument :  
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Peak Number 6 Eicosane Concentration Rank 6

| R.T.      | EstConc               | Area  | Relative to ISTD |              | R.T.  |
|-----------|-----------------------|-------|------------------|--------------|-------|
| 14.90     | 3.05 ng               | 72707 | Perylene-d12     |              | 15.22 |
| Hit# of 5 | Tentative ID          | MW    | MolForm          | CAS#         | Qual  |
| 1         | Eicosane              | 282   | C20H42           | 000112-95-8  | 93    |
| 2         | 2-methyloctacosane    | 408   | C29H60           | 1000376-72-8 | 91    |
| 3         | Triacontane           | 422   | C30H62           | 000638-68-6  | 91    |
| 4         | Heneicosane           | 296   | C21H44           | 000629-94-7  | 90    |
| 5         | Heptadecane, 9-octyl- | 352   | C25H52           | 007225-64-1  | 90    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF100818\  
Data File : BF109662.D  
Acq On : 8 Oct 2018 21:57  
Operator : JU/SJ  
Sample : J5248-01  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
N48971

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF100818.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 |
| unknown6.47         | 6.47  | 66.1    | ng    | 2089560  | 1                     | 6.70  | 631927 | 20.0 |
| n-Hexadecanoic acid | 11.74 | 3.4     | ng    | 99038    | 4                     | 11.20 | 576156 | 20.0 |
| Behenic alcohol     | 13.69 | 5.0     | ng    | 142223   | 5                     | 13.83 | 575128 | 20.0 |
| Triacontane         | 14.59 | 2.2     | ng    | 52436    | 6                     | 15.22 | 476111 | 20.0 |
| Eicosane            | 14.90 | 3.0     | ng    | 72707    | 6                     | 15.22 | 476111 | 20.0 |