

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM073123\  
 Data File : BM041201.D  
 Acq On : 31 Jul 2023 23:37  
 Operator : MA/JU  
 Sample : 03741-02  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 B-P12A

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\_M\Methods\8270-BM072823.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM041201.D\data.ms

| 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         | 5.369       | 365           | 371         | 388          | rBV      | 2740403        | 3841317       | 44.46%          | 9.025%        |
| 2         | 6.981       | 637           | 645         | 659          | rBV      | 2630205        | 4022181       | 46.55%          | 9.450%        |
| 3         | 7.798       | 778           | 784         | 792          | rBV      | 646162         | 991924        | 11.48%          | 2.331%        |
| 4         | 8.975       | 976           | 984         | 1000         | rBV      | 1580620        | 2548125       | 29.49%          | 5.987%        |
| 5         | 10.604      | 1254          | 1261        | 1275         | rBV      | 812054         | 1334065       | 15.44%          | 3.134%        |
| 6         | 13.080      | 1675          | 1682        | 1694         | rBV      | 3828262        | 5545643       | 64.19%          | 13.030%       |
| 7         | 13.927      | 1821          | 1826        | 1838         | rVB      | 238438         | 340468        | 3.94%           | 0.800%        |
| 8         | 14.463      | 1909          | 1917        | 1923         | rBV      | 1180013        | 1659583       | 19.21%          | 3.899%        |
| 9         | 15.962      | 2166          | 2172        | 2182         | rBV      | 3310190        | 4580156       | 53.01%          | 10.761%       |
| 10        | 17.221      | 2380          | 2386        | 2397         | rBV      | 1425591        | 2006499       | 23.22%          | 4.714%        |
| 11        | 18.127      | 2534          | 2540        | 2550         | rBV      | 658240         | 1032191       | 11.95%          | 2.425%        |
| 12        | 19.403      | 2753          | 2757        | 2770         | rBV      | 345617         | 573539        | 6.64%           | 1.348%        |
| 13        | 19.856      | 2829          | 2834        | 2844         | rBV      | 6991311        | 8639779       | 100.00%         | 20.299%       |
| 14        | 21.133      | 3047          | 3051        | 3061         | rVB      | 524119         | 790833        | 9.15%           | 1.858%        |
| 15        | 21.421      | 3095          | 3100        | 3110         | rBV      | 1882059        | 2347955       | 27.18%          | 5.517%        |
| 16        | 23.791      | 3497          | 3503        | 3512         | rVB      | 1219558        | 2307658       | 26.71%          | 5.422%        |

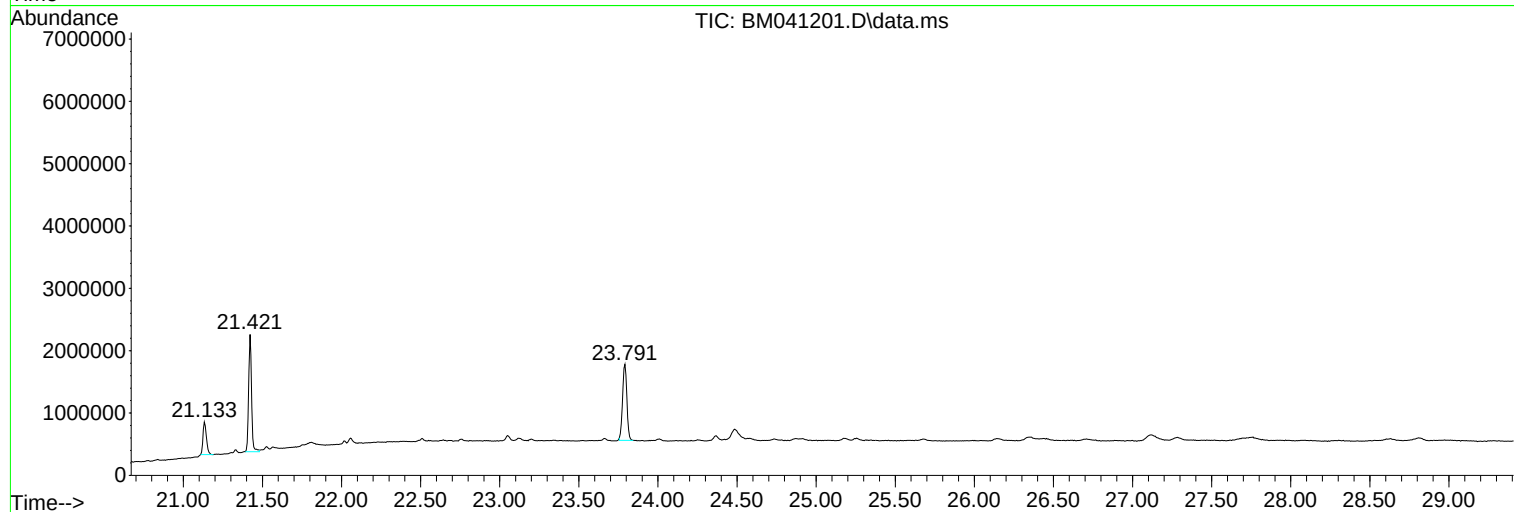
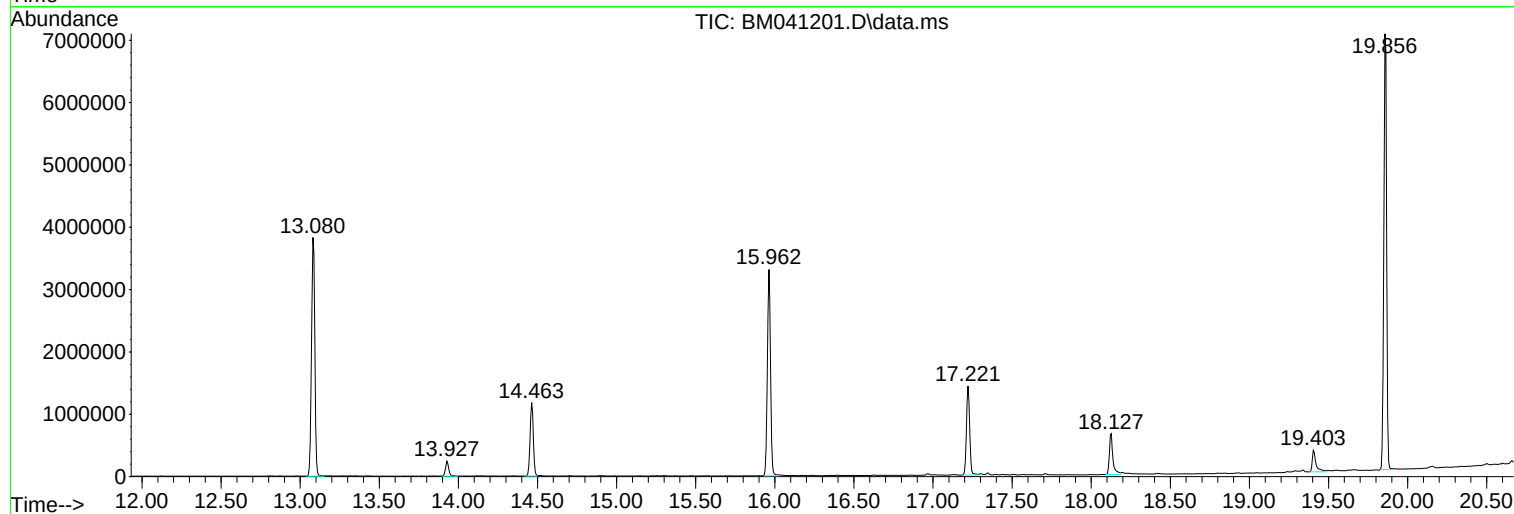
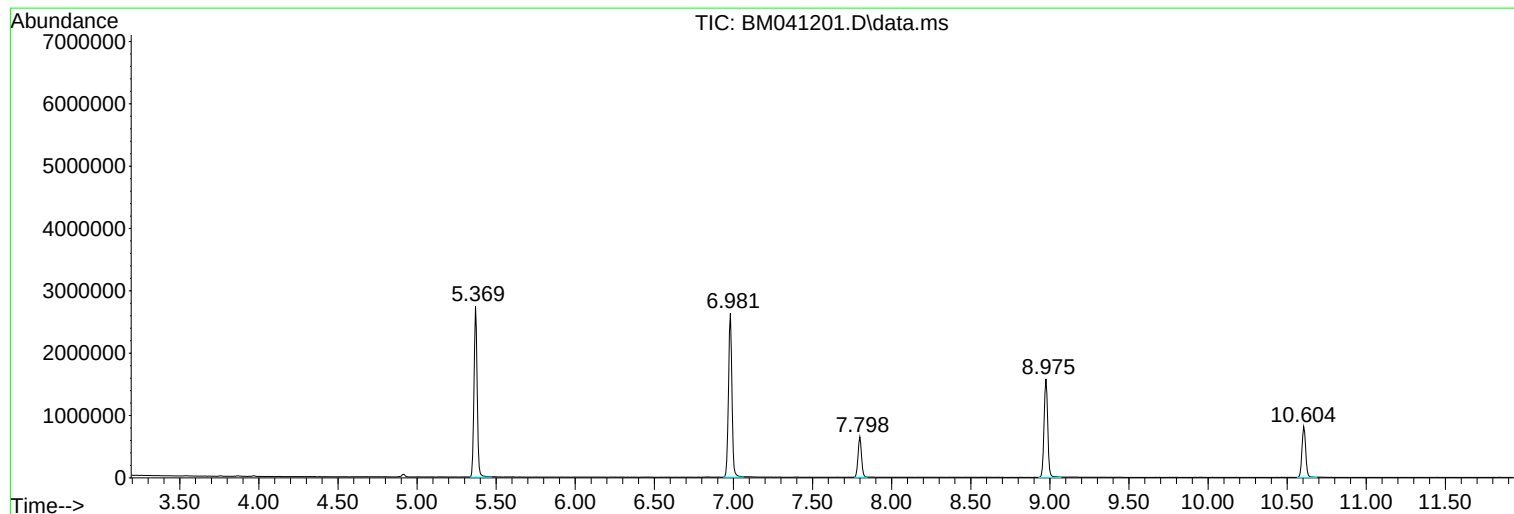
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ClientSampleId :  
B-P12A

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM072823.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



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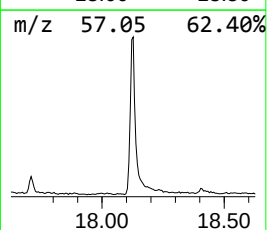
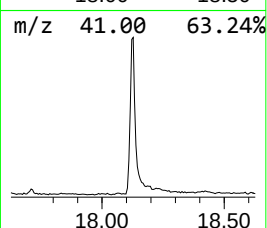
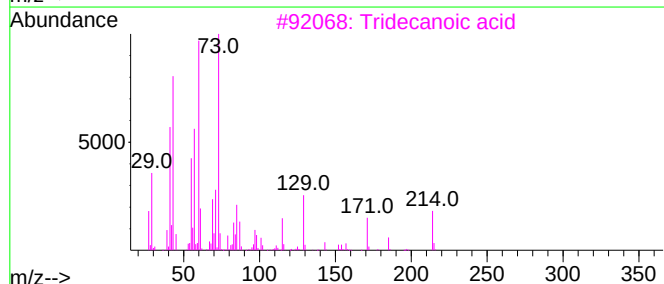
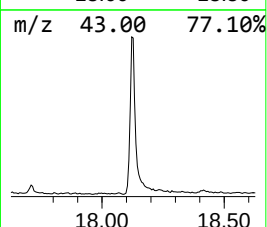
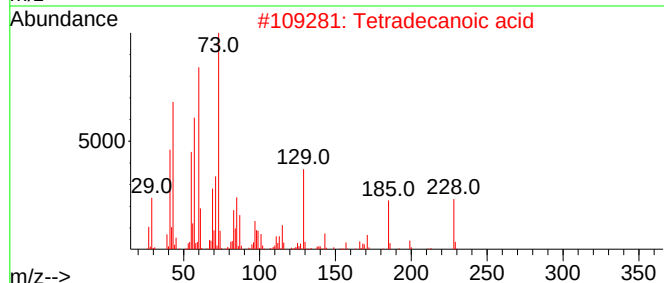
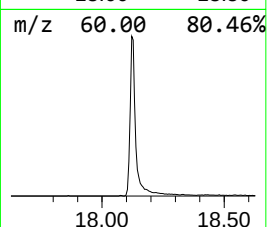
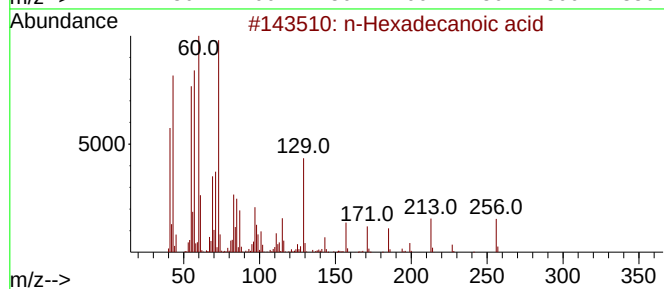
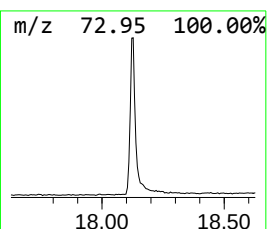
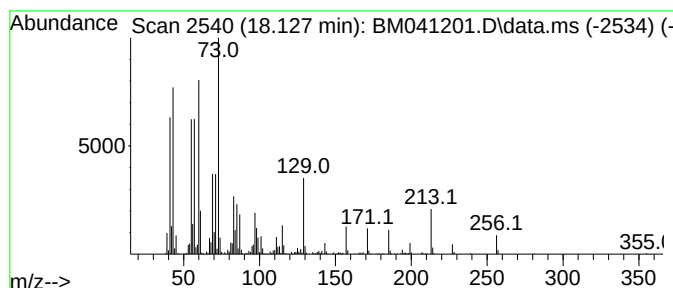
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 18.127 | 10.29 ng | 1032190 | Phenanthrene-d10 | 17.221 |

| Hit# | of 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|------|---------------------|-----|----------|-------------|------|
| 1    |      | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |      | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 93   |
| 3    |      | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 89   |
| 4    |      | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 87   |
| 5    |      | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 81   |



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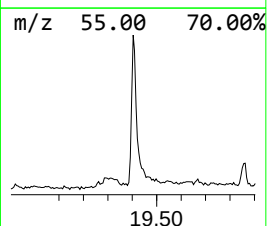
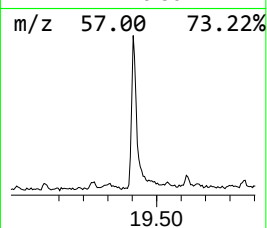
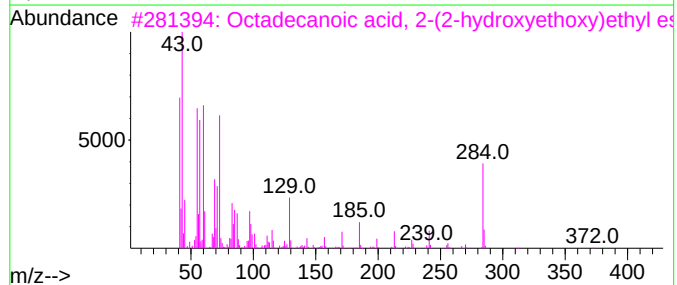
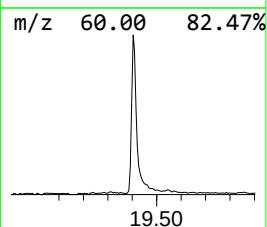
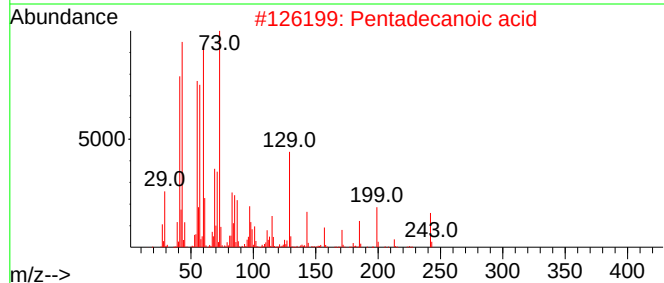
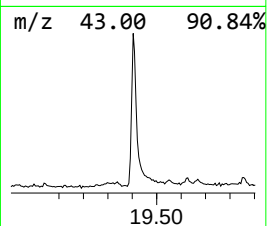
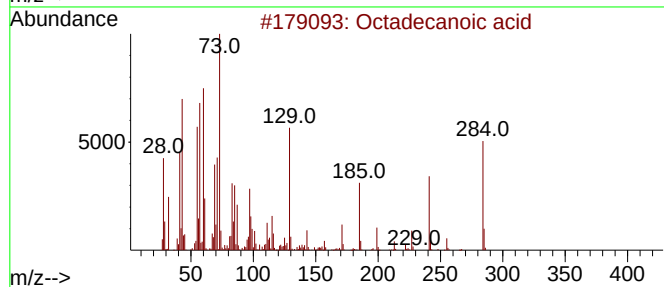
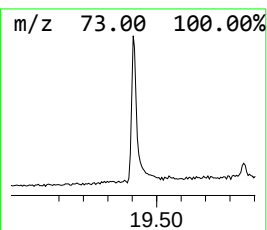
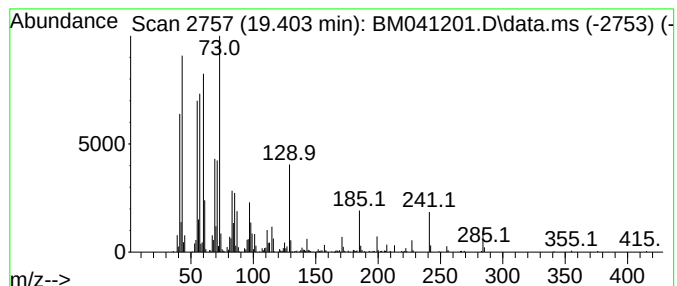
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM072823.M  
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TIC Library : C:\Database\NIST20.L  
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Peak Number 2 Octadecanoic acid Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 19.403 | 4.89 ng | 573539 | Chrysene-d12     | 21.421 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Octadecanoic acid                   | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |    |   | Pentadecanoic acid                  | 242 | C15H30O2 | 001002-84-2 | 93   |
| 3    |    |   | Octadecanoic acid, 2-(2-hydroxye... | 372 | C22H44O4 | 000106-11-6 | 91   |
| 4    |    |   | Tetradecanoic acid                  | 228 | C14H28O2 | 000544-63-8 | 68   |
| 5    |    |   | n-Decanoic acid                     | 172 | C10H20O2 | 000334-48-5 | 62   |



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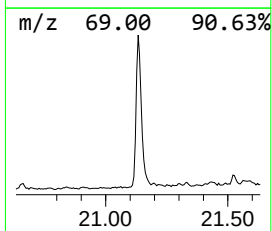
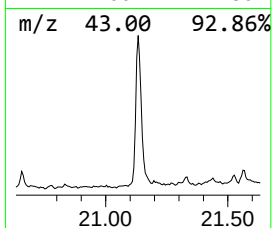
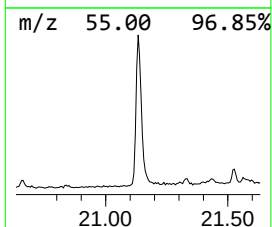
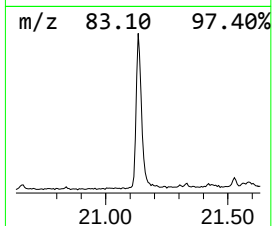
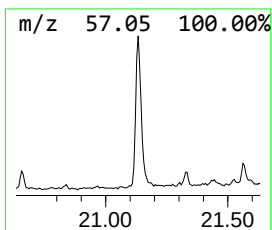
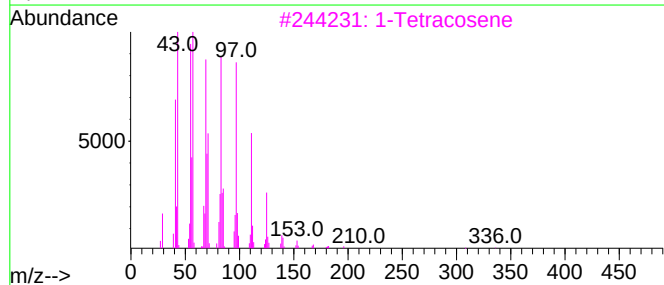
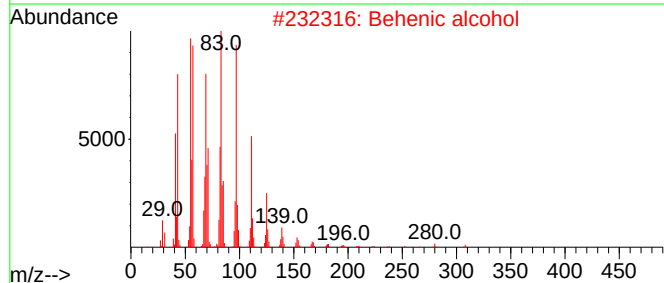
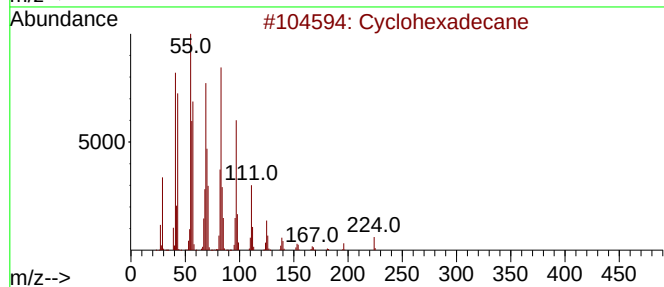
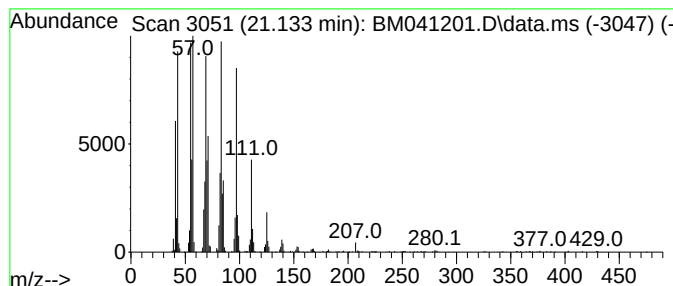
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Cyclohexadecane Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 21.133 | 6.74 ng | 790833 | Chrysene-d12     | 21.421 |

| Hit# | of | 5 | Tentative ID    | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexadecane | 224 | C16H32  | 000295-65-8 | 94   |
| 2    |    |   | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 94   |
| 3    |    |   | 1-Tetracosene   | 336 | C24H48  | 010192-32-2 | 91   |
| 4    |    |   | 1-Heneicosanol  | 312 | C21H44O | 015594-90-8 | 91   |
| 5    |    |   | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 91   |



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Instrument :  
BNA\_M  
ClientSampleId :  
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TIC Library : C:\Database\NIST20.L  
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| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| n-Hexadecanoic ... | 18.127 | 10.3    | ng    | 1032190  | 4                     | 17.221 | 2006500 | 20.0 |
| Octadecanoic acid  | 19.403 | 4.9     | ng    | 573539   | 5                     | 21.421 | 2347960 | 20.0 |
| Cyclohexadecane    | 21.133 | 6.7     | ng    | 790833   | 5                     | 21.421 | 2347960 | 20.0 |