

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032624\  
 Data File : BM044769.D  
 Acq On : 26 Mar 2024 15:24  
 Operator : MA/JU  
 Sample : P1861-01 5X  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 HD-02-03252024

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-BM031324.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM044769.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         | 7.687       | 777           | 782         | 795          | rVB      | 448498         | 766884        | 1.93%           | 0.716%        |
| 2         | 8.887       | 983           | 986         | 996          | rVB      | 319983         | 505469        | 1.27%           | 0.472%        |
| 3         | 10.434      | 1242          | 1249        | 1251         | rBV      | 477926         | 806055        | 2.03%           | 0.753%        |
| 4         | 10.469      | 1251          | 1255        | 1260         | rVB      | 502214         | 827499        | 2.09%           | 0.773%        |
| 5         | 11.886      | 1486          | 1496        | 1502         | rBV      | 635596         | 1080784       | 2.72%           | 1.009%        |
| 6         | 12.945      | 1672          | 1676        | 1683         | rBV      | 294621         | 442202        | 1.11%           | 0.413%        |
| 7         | 13.145      | 1703          | 1710        | 1717         | rVB      | 708396         | 1085538       | 2.74%           | 1.014%        |
| 8         | 14.233      | 1889          | 1895        | 1900         | rBV      | 891395         | 1174729       | 2.96%           | 1.097%        |
| 9         | 14.333      | 1903          | 1912        | 1920         | rVB      | 783711         | 1344001       | 3.39%           | 1.255%        |
| 10        | 15.192      | 2053          | 2058        | 2063         | rVB      | 869716         | 1075333       | 2.71%           | 1.004%        |
| 11        | 15.598      | 2121          | 2127        | 2132         | rVB      | 241364         | 417657        | 1.05%           | 0.390%        |
| 12        | 15.833      | 2160          | 2167        | 2174         | rVB4     | 263608         | 554810        | 1.40%           | 0.518%        |
| 13        | 16.057      | 2201          | 2205        | 2214         | rBV      | 879388         | 1506588       | 3.80%           | 1.407%        |
| 14        | 16.857      | 2336          | 2341        | 2345         | rBV      | 779946         | 977575        | 2.46%           | 0.913%        |
| 15        | 16.904      | 2345          | 2349        | 2359         | rVB      | 279616         | 499341        | 1.26%           | 0.466%        |
| 16        | 17.092      | 2375          | 2381        | 2387         | rBV      | 904829         | 1320900       | 3.33%           | 1.233%        |
| 17        | 17.598      | 2462          | 2467        | 2472         | rBV      | 704721         | 869278        | 2.19%           | 0.812%        |
| 18        | 17.780      | 2492          | 2498        | 2503         | rVB      | 9193310        | 11824159      | 29.81%          | 11.041%       |
| 19        | 18.004      | 2531          | 2536        | 2541         | rBV      | 648810         | 960205        | 2.42%           | 0.897%        |
| 20        | 18.292      | 2580          | 2585        | 2589         | rBV      | 667192         | 839197        | 2.12%           | 0.784%        |
| 21        | 18.945      | 2687          | 2696        | 2698         | rBV2     | 19157376       | 39669698      | 100.00%         | 37.042%       |
| 22        | 18.974      | 2698          | 2701        | 2710         | rVB3     | 17181504       | 25460220      | 64.18%          | 23.774%       |
| 23        | 19.092      | 2716          | 2721        | 2726         | rBV      | 4711859        | 5496390       | 13.86%          | 5.132%        |
| 24        | 19.145      | 2726          | 2730        | 2732         | rBV2     | 536366         | 672562        | 1.70%           | 0.628%        |
| 25        | 19.286      | 2751          | 2754        | 2762         | rVB3     | 295022         | 467501        | 1.18%           | 0.437%        |
| 26        | 19.515      | 2789          | 2793        | 2797         | rBV2     | 498251         | 550154        | 1.39%           | 0.514%        |
| 27        | 19.733      | 2824          | 2830        | 2834         | rVB      | 521360         | 799875        | 2.02%           | 0.747%        |
| 28        | 20.051      | 2881          | 2884        | 2887         | rBV      | 401538         | 508592        | 1.28%           | 0.475%        |
| 29        | 20.086      | 2887          | 2890        | 2899         | rVB2     | 378898         | 619913        | 1.56%           | 0.579%        |
| 30        | 20.198      | 2905          | 2909        | 2912         | rBV      | 471488         | 565086        | 1.42%           | 0.528%        |
| 31        | 21.150      | 3068          | 3071        | 3077         | rBV      | 468222         | 501602        | 1.26%           | 0.468%        |
| 32        | 21.292      | 3090          | 3095        | 3099         | rBV      | 1072130        | 1407587       | 3.55%           | 1.314%        |
| 33        | 23.539      | 3472          | 3477        | 3485         | rVB      | 782423         | 1496335       | 3.77%           | 1.397%        |

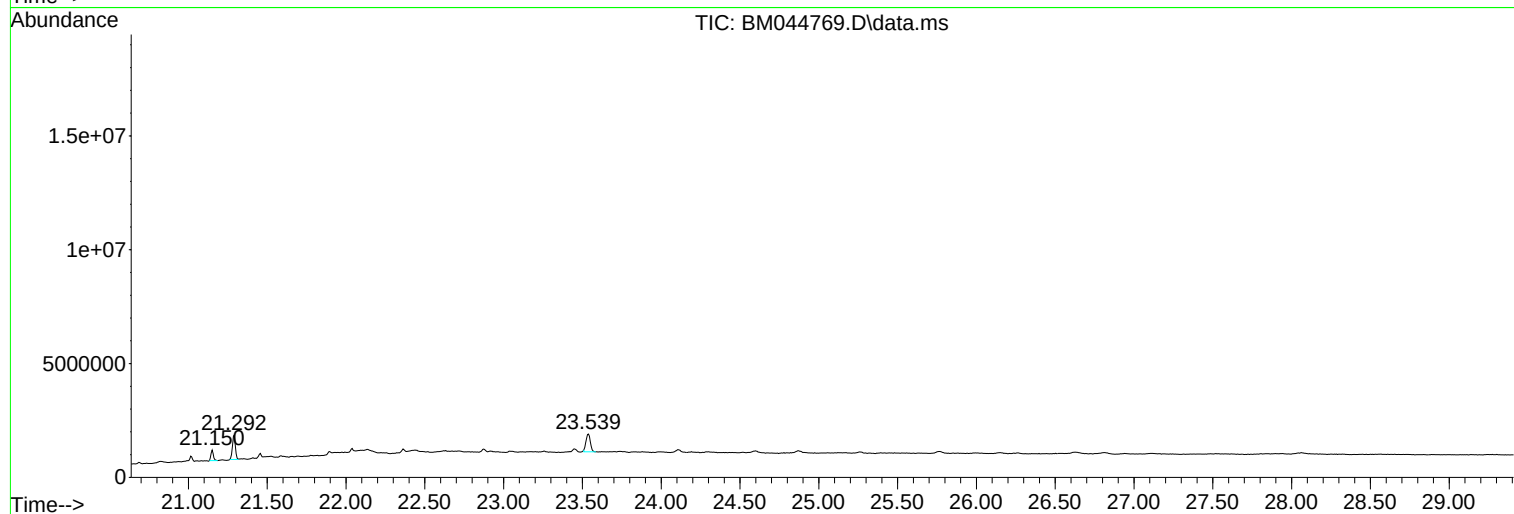
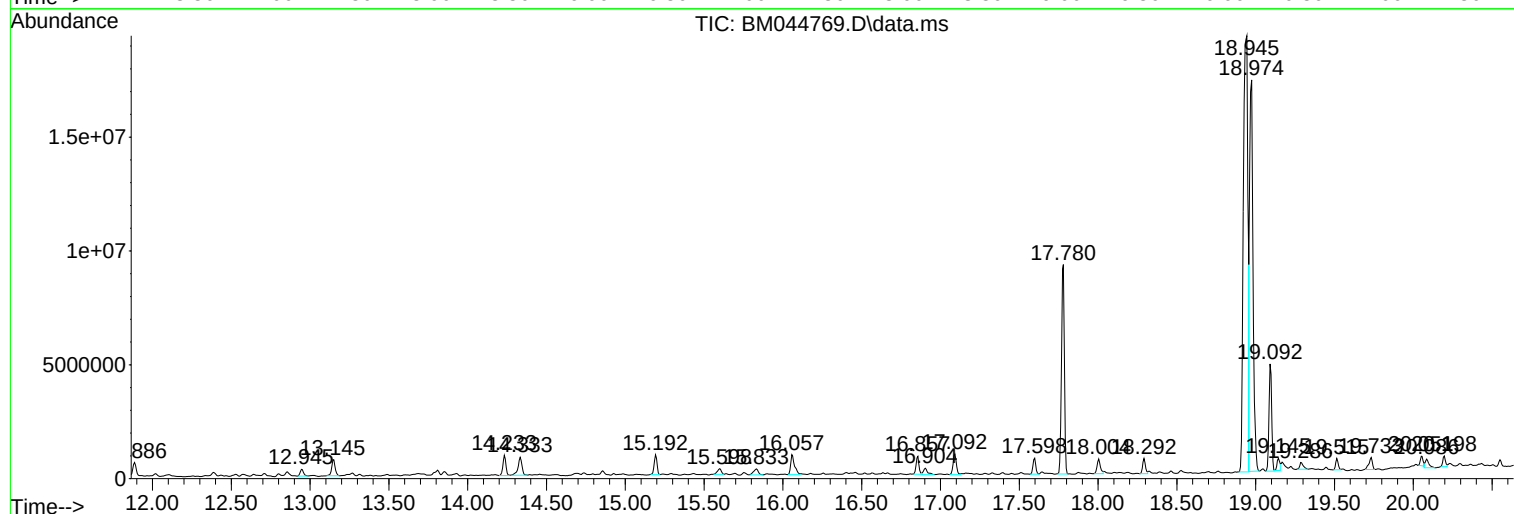
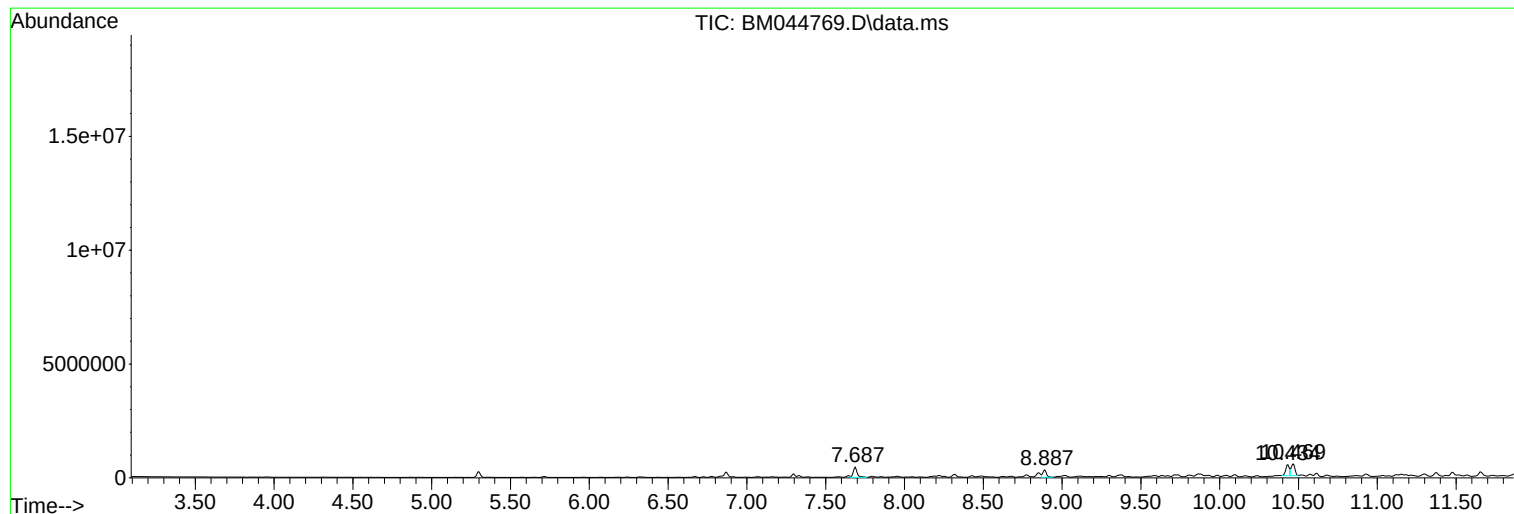
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Sample : P1861-01 5X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
HD-02-03252024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM031324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032624\  
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Sample : P1861-01 5X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
HD-02-03252024

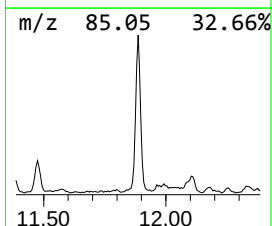
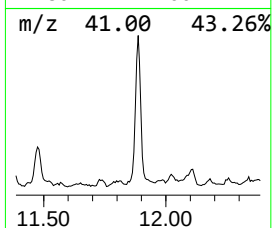
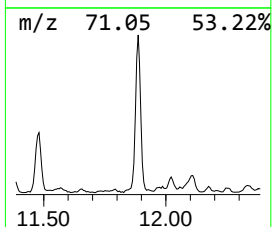
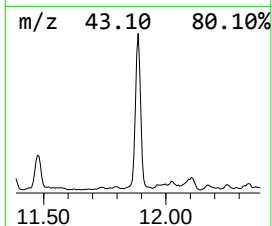
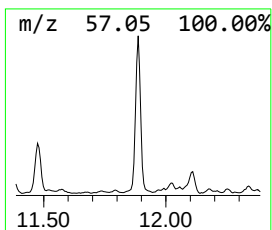
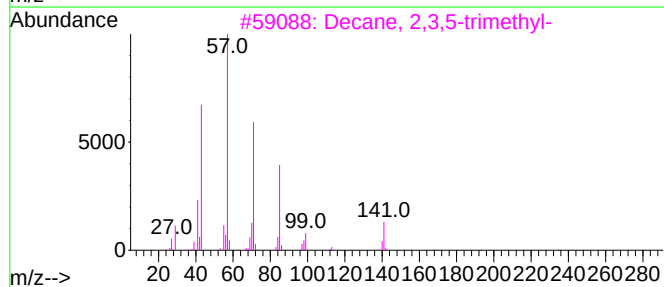
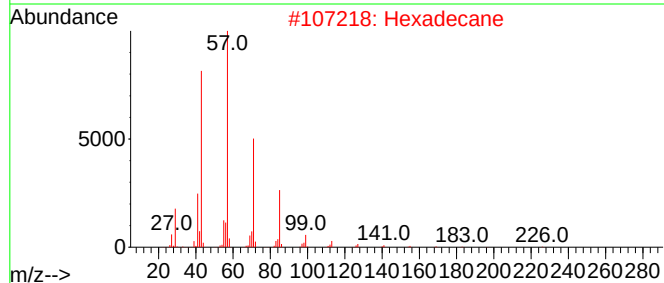
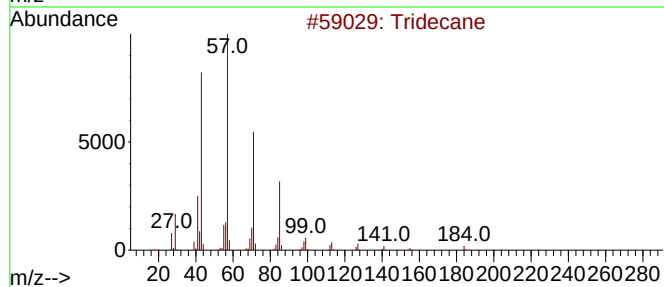
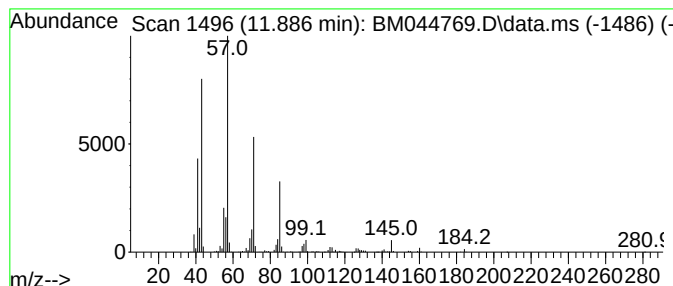
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Tridecane Concentration Rank 5

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 11.886 | 26.12 ng | 1080780 | Naphthalene-d8   | 10.469 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | Tridecane                | 184 | C13H28  | 000629-50-5 | 91   |
| 2    |    |   | Hexadecane               | 226 | C16H34  | 000544-76-3 | 87   |
| 3    |    |   | Decane, 2,3,5-trimethyl- | 184 | C13H28  | 062238-11-3 | 86   |
| 4    |    |   | Tetradecane              | 198 | C14H30  | 000629-59-4 | 86   |
| 5    |    |   | Decane, 3,6-dimethyl-    | 170 | C12H26  | 017312-53-7 | 72   |



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Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
HD-02-03252024

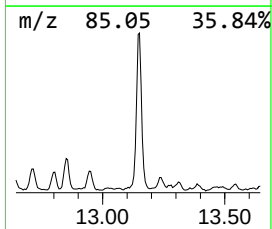
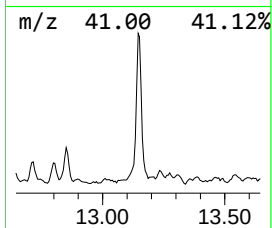
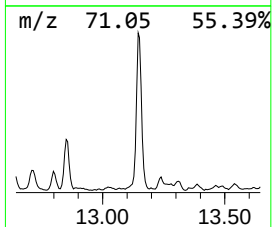
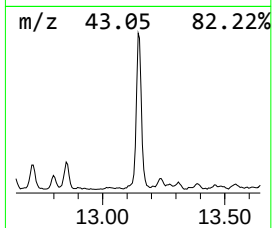
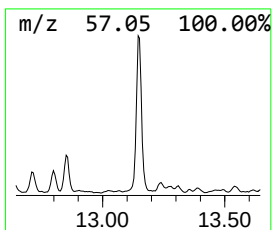
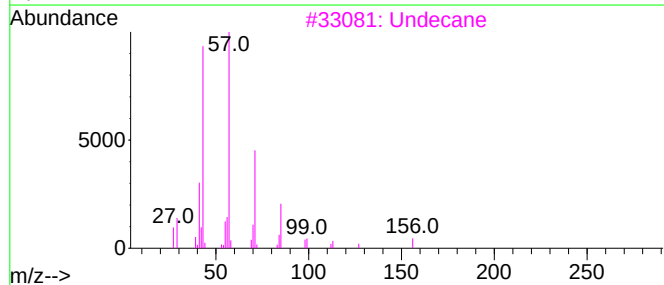
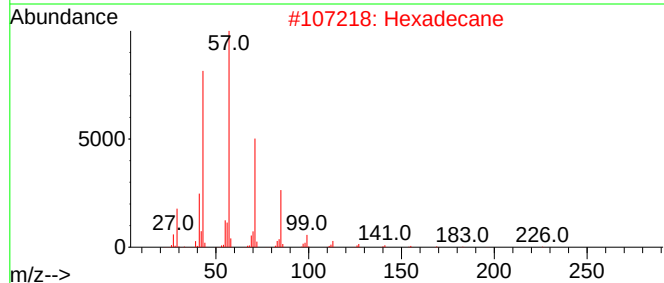
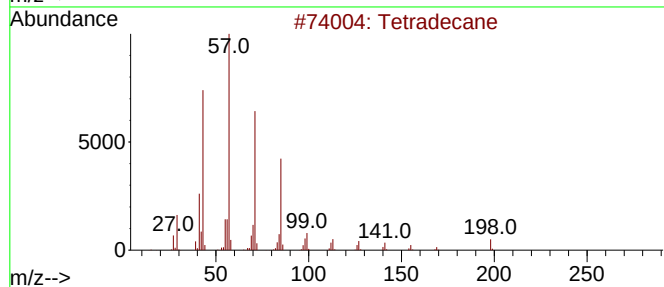
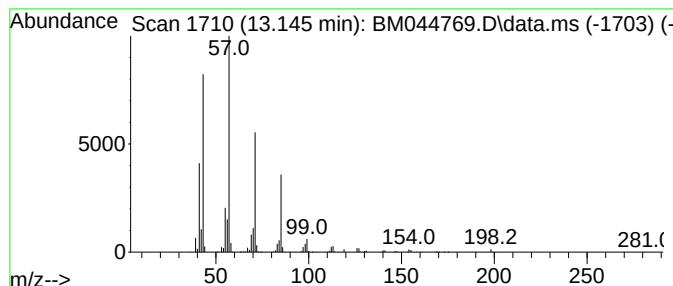
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM031324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Tetradecane Concentration Rank 8

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 13.145 | 16.15 ng | 1085540 | Acenaphthene-d10 | 14.333 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Tetradecane                         | 198 | C14H30    | 000629-59-4  | 95   |
| 2    |    |   | Hexadecane                          | 226 | C16H34    | 000544-76-3  | 91   |
| 3    |    |   | Undecane                            | 156 | C11H24    | 001120-21-4  | 86   |
| 4    |    |   | Sulfurous acid, pentadecyl 2-pro... | 334 | C18H38O3S | 1000309-12-6 | 78   |
| 5    |    |   | Bacchotricuneatin c                 | 342 | C20H22O5  | 066563-30-2  | 59   |



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Operator : MA/JU  
Sample : P1861-01 5X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
HD-02-03252024

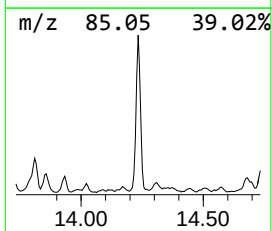
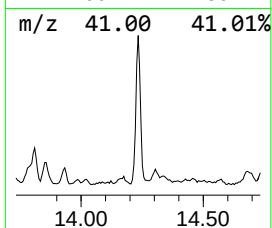
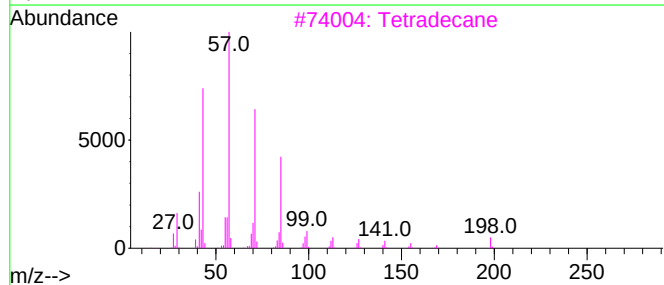
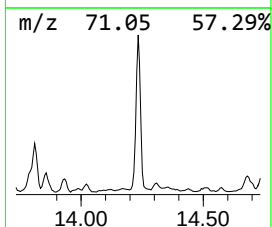
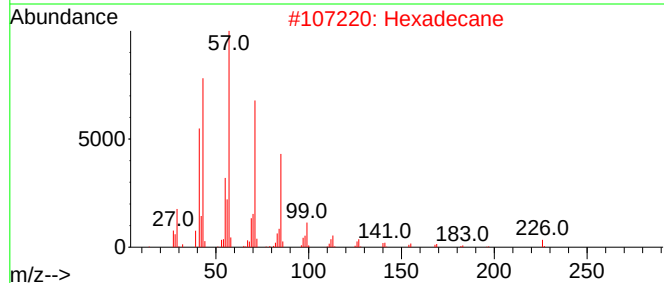
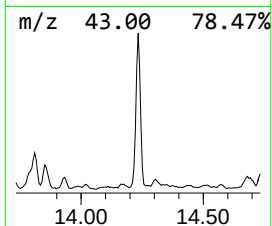
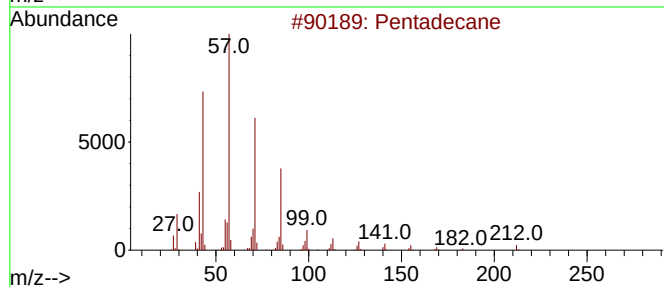
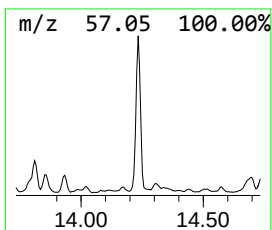
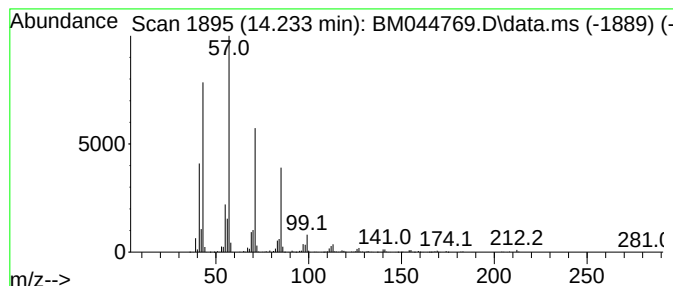
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM031324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Pentadecane Concentration Rank 7

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 14.233 | 17.48 ng | 1174730 | Acenaphthene-d10 | 14.333 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm     | CAS#        | Qual |
|------|----|---|-----------------------------|-----|-------------|-------------|------|
| 1    |    |   | Pentadecane                 | 212 | C15H32      | 000629-62-9 | 93   |
| 2    |    |   | Hexadecane                  | 226 | C16H34      | 000544-76-3 | 91   |
| 3    |    |   | Tetradecane                 | 198 | C14H30      | 000629-59-4 | 90   |
| 4    |    |   | Tridecane, 7-propyl-        | 226 | C16H34      | 055045-09-5 | 86   |
| 5    |    |   | Silane, trichlorooctadecyl- | 386 | C18H37Cl3Si | 000112-04-9 | 72   |



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Sample : P1861-01 5X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

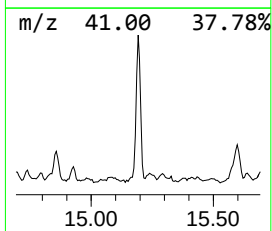
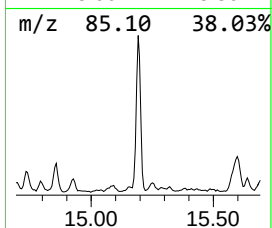
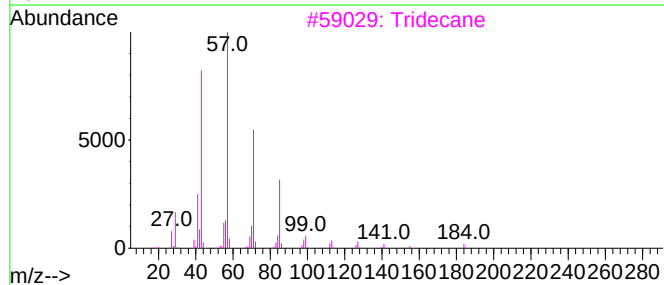
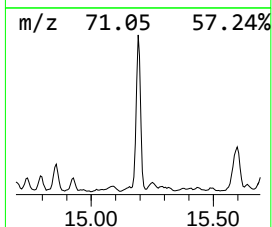
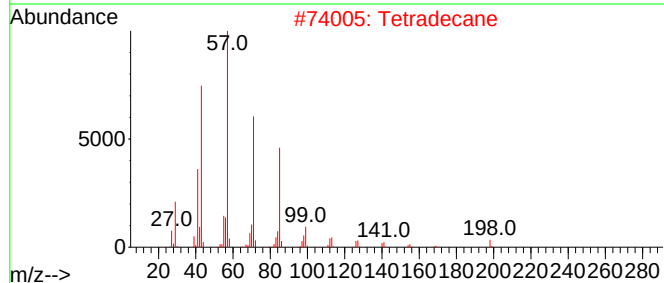
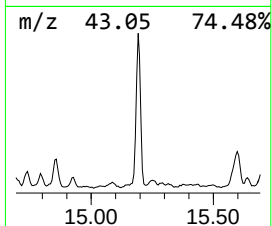
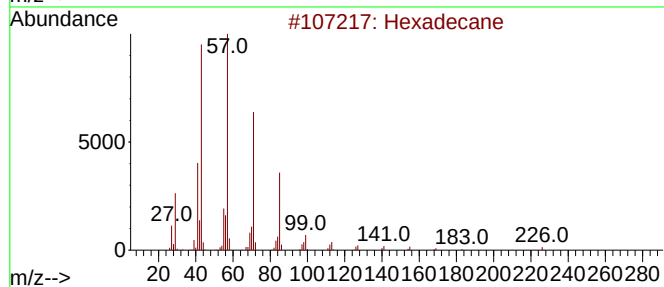
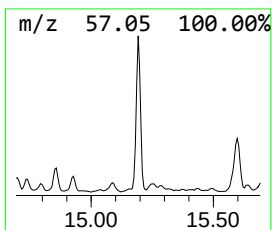
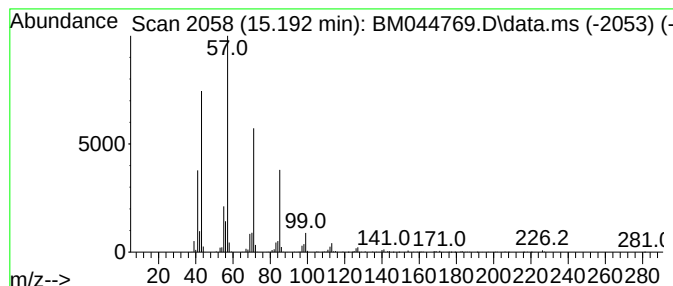
Instrument :  
BNA\_M  
ClientSampleId :  
HD-02-03252024

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

\*\*\*\*\*  
Peak Number 4 Hexadecane Concentration Rank 9

| R.T.      | EstConc                             | Area    | Relative to ISTD |         | R.T.        |      |
|-----------|-------------------------------------|---------|------------------|---------|-------------|------|
| 15.192    | 16.00 ng                            | 1075330 | Acenaphthene-d10 |         | 14.333      |      |
| Hit# of 5 | Tentative ID                        |         | MW               | MolForm | CAS#        | Qual |
| 1         | Hexadecane                          |         | 226              | C16H34  | 000544-76-3 | 93   |
| 2         | Tetradecane                         |         | 198              | C14H30  | 000629-59-4 | 90   |
| 3         | Tridecane                           |         | 184              | C13H28  | 000629-50-5 | 86   |
| 4         | Dodecane, 1-iodo-                   |         | 296              | C12H25I | 004292-19-7 | 86   |
| 5         | Heptadecane, 2,6,10,14-tetramethyl- |         | 296              | C21H44  | 018344-37-1 | 80   |



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HD-02-03252024

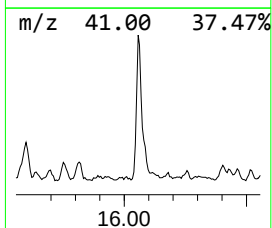
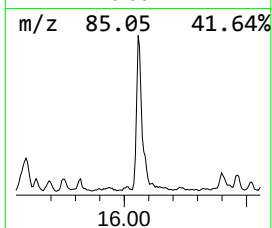
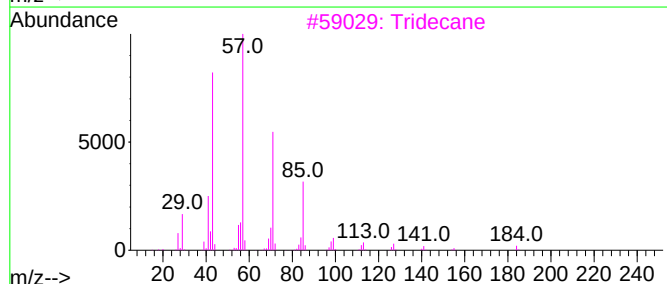
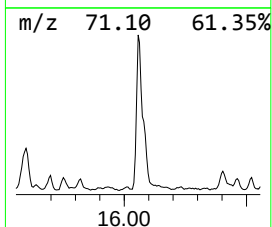
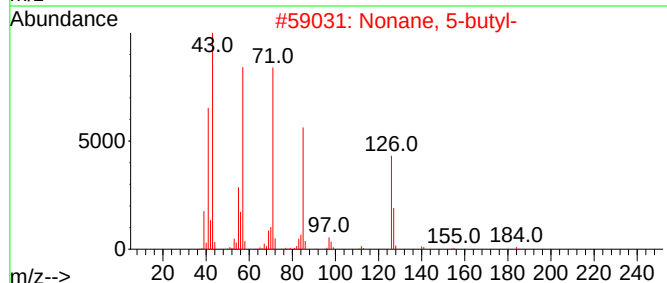
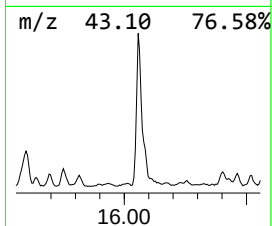
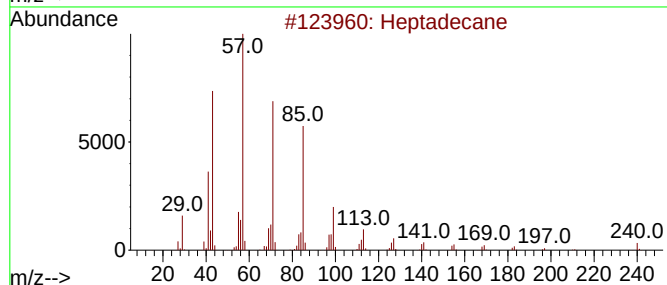
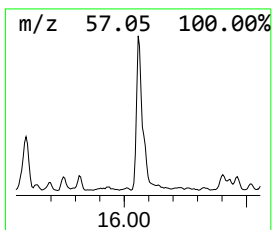
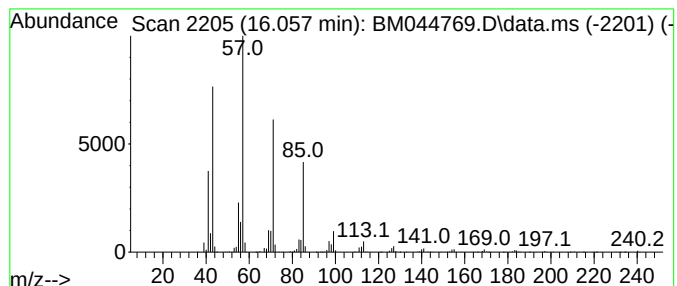
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 Heptadecane Concentration Rank 6

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 16.057 | 22.81 ng | 1506590 | Phenanthrene-d10 | 17.092 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------|-----|---------|-------------|------|
| 1    |    |   | Heptadecane         | 240 | C17H36  | 000629-78-7 | 97   |
| 2    |    |   | Nonane, 5-butyl-    | 184 | C13H28  | 017312-63-9 | 94   |
| 3    |    |   | Tridecane           | 184 | C13H28  | 000629-50-5 | 90   |
| 4    |    |   | Heneicosane         | 296 | C21H44  | 000629-94-7 | 90   |
| 5    |    |   | 10-Methylnonadecane | 282 | C20H42  | 056862-62-5 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032624\  
Data File : BM044769.D  
Acq On : 26 Mar 2024 15:24  
Operator : MA/JU  
Sample : P1861-01 5X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
HD-02-03252024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM031324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

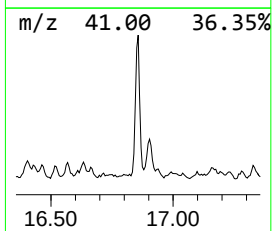
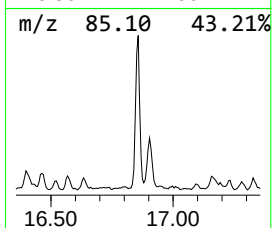
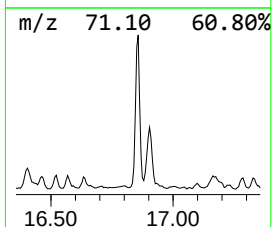
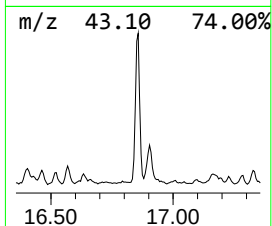
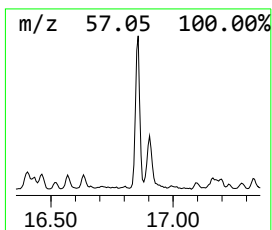
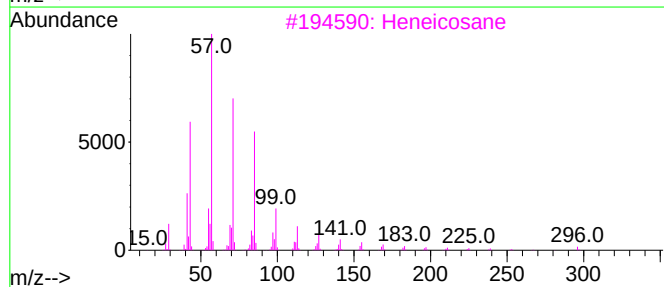
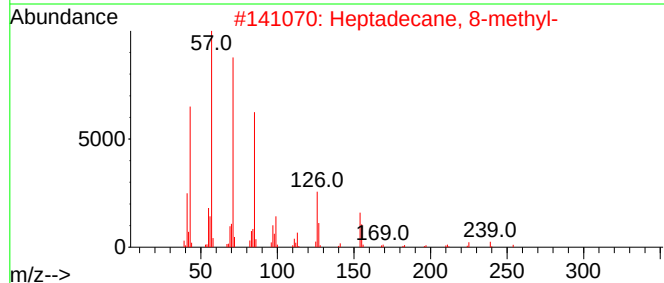
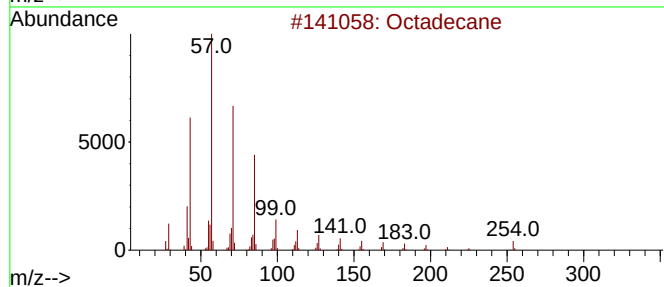
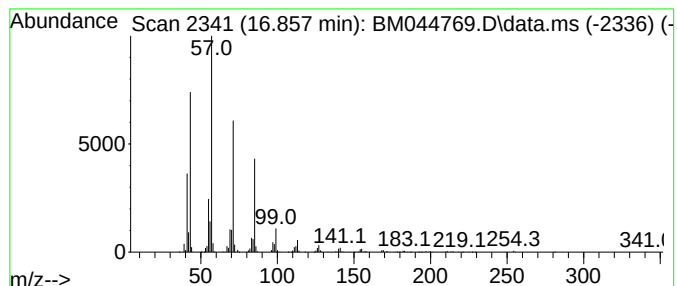
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 Octadecane Concentration Rank 10

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 16.857 | 14.80 ng | 977575 | Phenanthrene-d10 | 17.092 |

| Hit# | of 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|------|------------------------|-----|---------|-------------|------|
| 1    |      | Octadecane             | 254 | C18H38  | 000593-45-3 | 97   |
| 2    |      | Heptadecane, 8-methyl- | 254 | C18H38  | 013287-23-5 | 94   |
| 3    |      | Heneicosane            | 296 | C21H44  | 000629-94-7 | 90   |
| 4    |      | Nonadecane             | 268 | C19H40  | 000629-92-5 | 87   |
| 5    |      | Tetradecane            | 198 | C14H30  | 000629-59-4 | 86   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032624\  
Data File : BM044769.D  
Acq On : 26 Mar 2024 15:24  
Operator : MA/JU  
Sample : P1861-01 5X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
HD-02-03252024

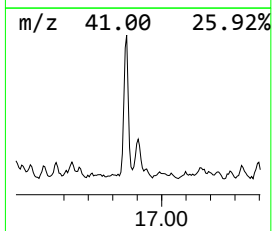
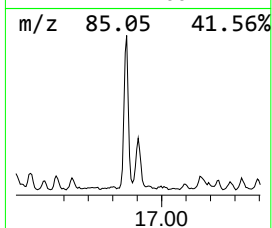
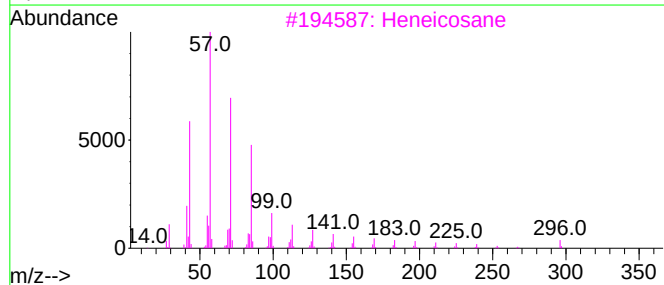
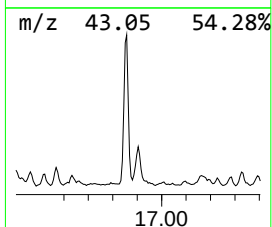
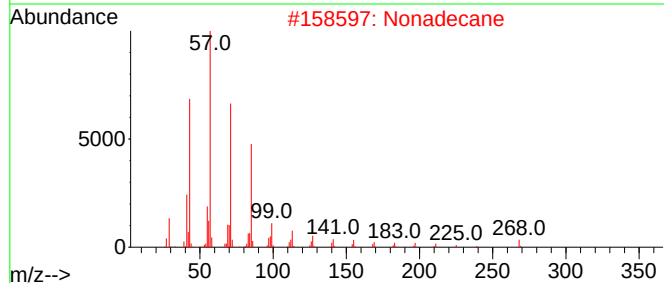
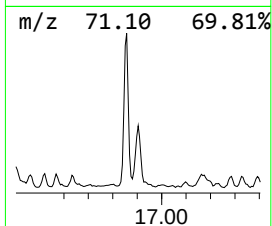
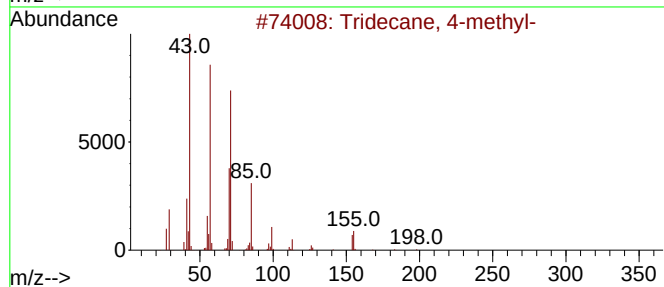
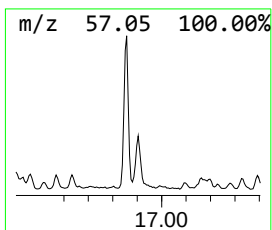
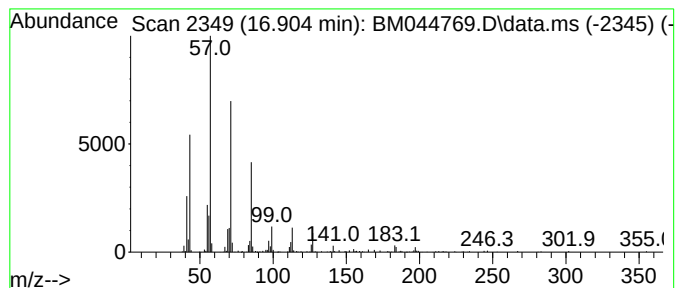
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 Tridecane, 4-methyl- Concentration Rank 18

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 16.904 | 7.56 ng | 499341 | Phenanthrene-d10 | 17.092 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Tridecane, 4-methyl- | 198 | C14H30  | 026730-12-1 | 90   |
| 2    |    |   | Nonadecane           | 268 | C19H40  | 000629-92-5 | 90   |
| 3    |    |   | Heneicosane          | 296 | C21H44  | 000629-94-7 | 90   |
| 4    |    |   | Heptacosane          | 380 | C27H56  | 000593-49-7 | 90   |
| 5    |    |   | Eicosane             | 282 | C20H42  | 000112-95-8 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032624\  
Data File : BM044769.D  
Acq On : 26 Mar 2024 15:24  
Operator : MA/JU  
Sample : P1861-01 5X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
HD-02-03252024

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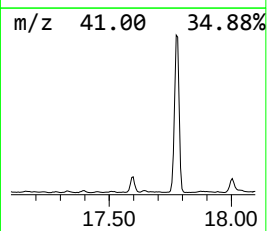
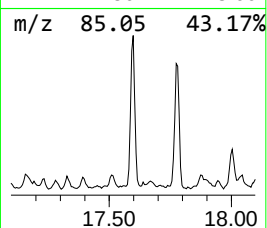
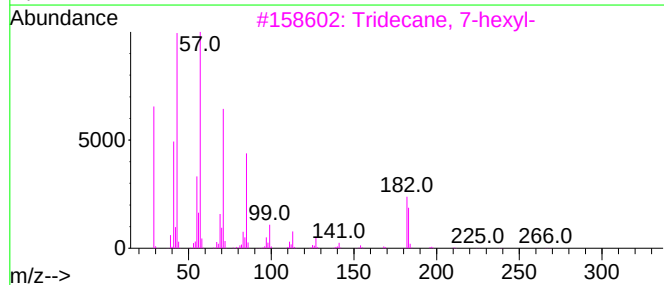
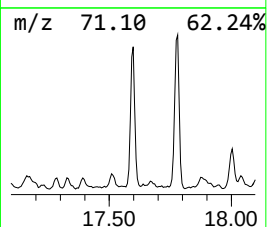
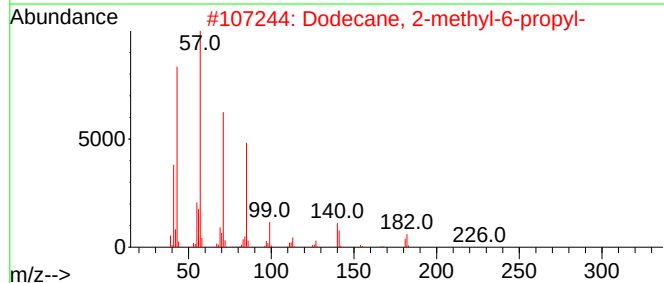
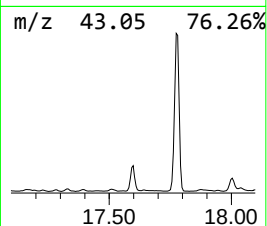
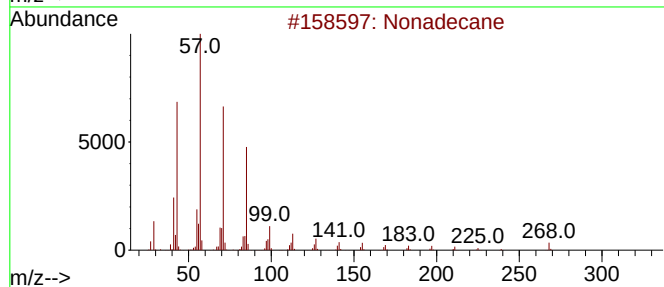
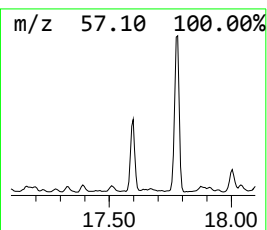
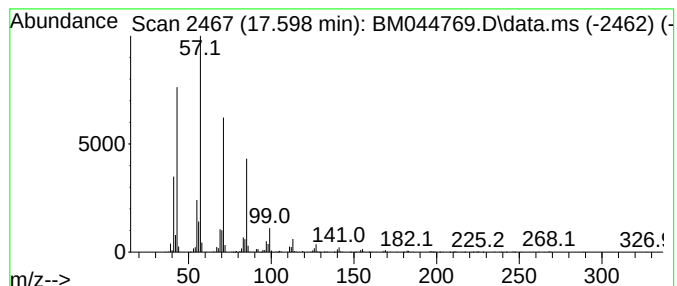
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 Nonadecane Concentration Rank 12

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 17.598 | 13.16 ng | 869278 | Phenanthrene-d10 | 17.092 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Nonadecane                   | 268 | C19H40  | 000629-92-5 | 97   |
| 2    |    |   | Dodecane, 2-methyl-6-propyl- | 226 | C16H34  | 055045-08-4 | 91   |
| 3    |    |   | Tridecane, 7-hexyl-          | 268 | C19H40  | 007225-66-3 | 91   |
| 4    |    |   | Heneicosane                  | 296 | C21H44  | 000629-94-7 | 90   |
| 5    |    |   | Tridecane                    | 184 | C13H28  | 000629-50-5 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032624\  
Data File : BM044769.D  
Acq On : 26 Mar 2024 15:24  
Operator : MA/JU  
Sample : P1861-01 5X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
HD-02-03252024

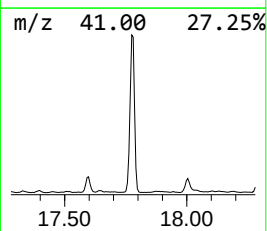
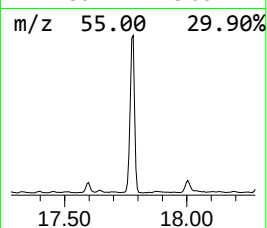
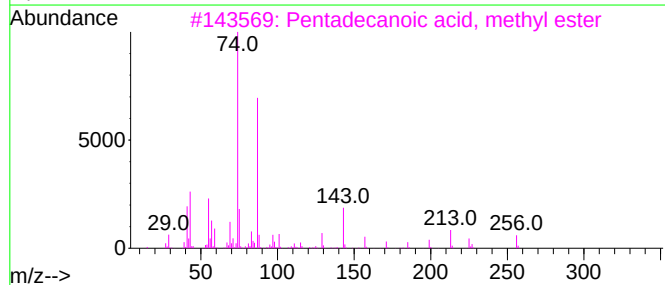
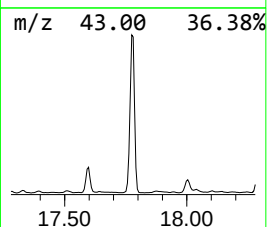
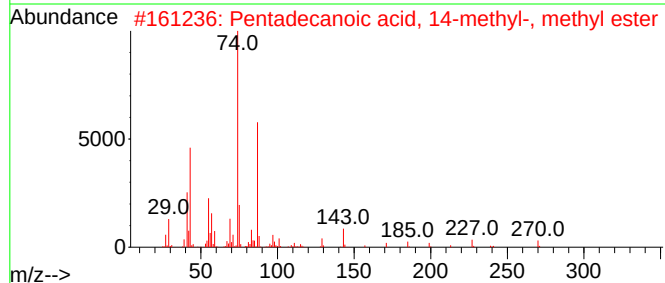
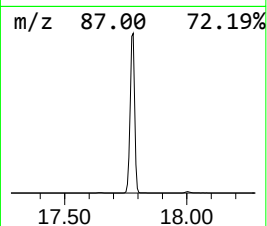
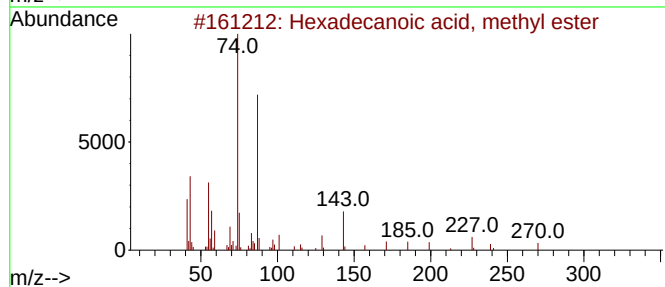
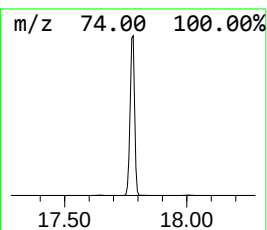
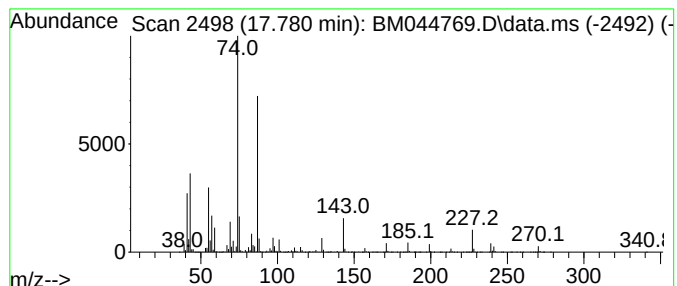
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 Hexadecanoic acid, methyl e... Concentration Rank 3

| R.T.   | EstConc   | Area     | Relative to ISTD | R.T.   |
|--------|-----------|----------|------------------|--------|
| 17.780 | 179.03 ng | 11824200 | Phenanthrene-d10 | 17.092 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Hexadecanoic acid, methyl ester     | 270 | C17H34O2 | 000112-39-0 | 98   |
| 2    |    |   | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 96   |
| 3    |    |   | Pentadecanoic acid, methyl ester    | 256 | C16H32O2 | 007132-64-1 | 86   |
| 4    |    |   | Methyl tetradecanoate               | 242 | C15H30O2 | 000124-10-7 | 80   |
| 5    |    |   | Undecanoic acid, methyl ester       | 200 | C12H24O2 | 001731-86-8 | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032624\  
Data File : BM044769.D  
Acq On : 26 Mar 2024 15:24  
Operator : MA/JU  
Sample : P1861-01 5X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
HD-02-03252024

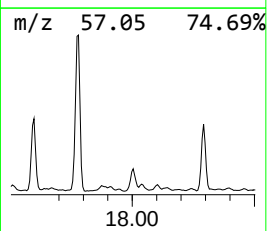
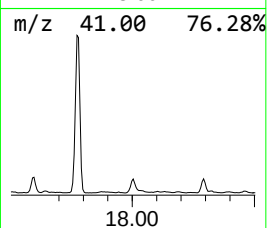
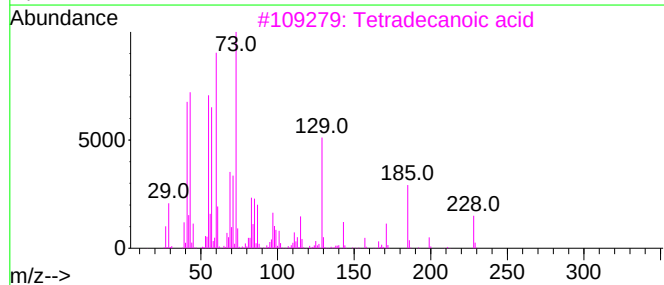
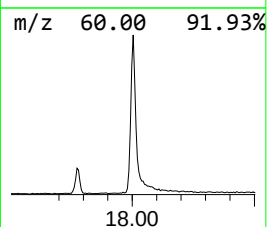
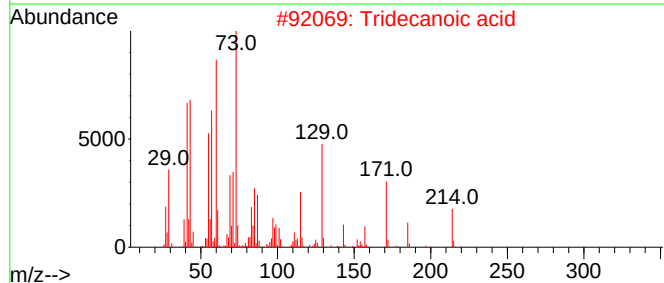
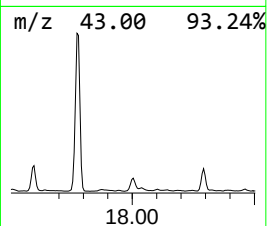
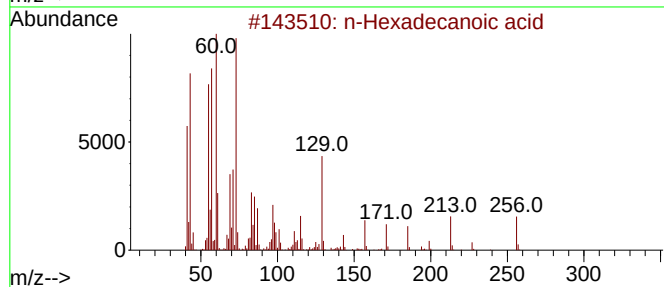
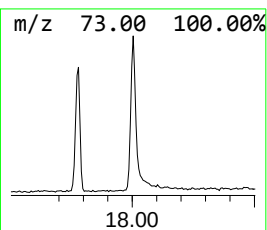
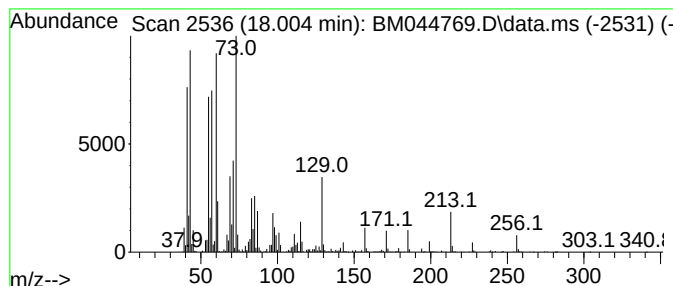
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 n-Hexadecanoic acid Concentration Rank 11

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 18.004 | 14.54 ng | 960205 | Phenanthrene-d10 | 17.092 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-----------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid   | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    |   | Tridecanoic acid      | 214 | C13H26O2 | 000638-53-9 | 96   |
| 3    |    |   | Tetradecanoic acid    | 228 | C14H28O2 | 000544-63-8 | 93   |
| 4    |    |   | Pentadecanoic acid    | 242 | C15H30O2 | 001002-84-2 | 91   |
| 5    |    |   | 8-Methylnonanoic acid | 172 | C10H20O2 | 005963-14-4 | 46   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032624\  
Data File : BM044769.D  
Acq On : 26 Mar 2024 15:24  
Operator : MA/JU  
Sample : P1861-01 5X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
HD-02-03252024

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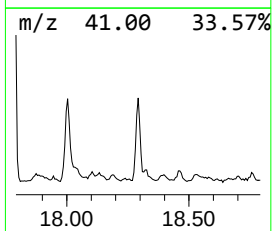
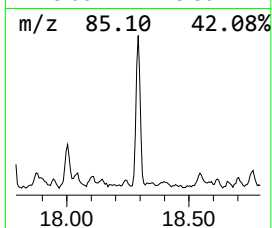
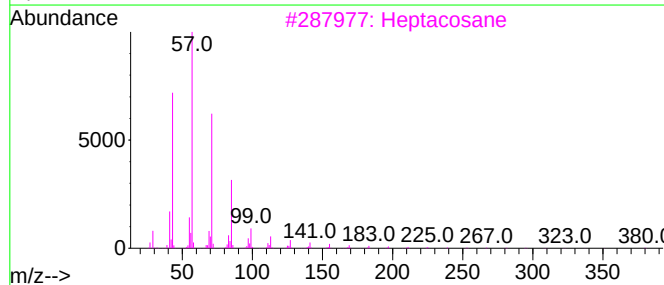
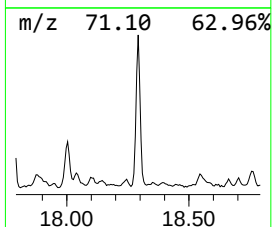
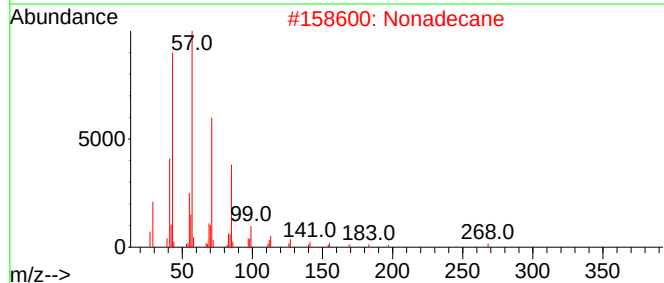
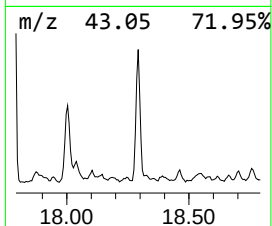
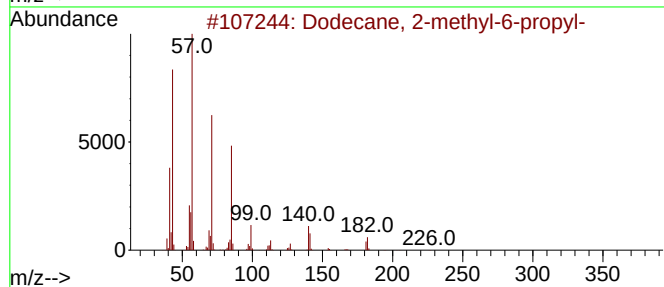
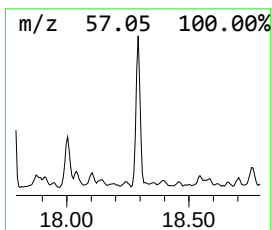
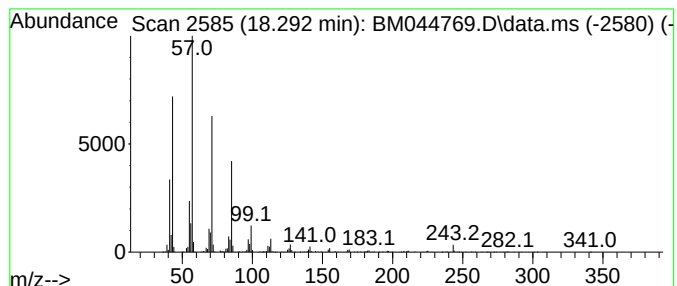
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Dodecane, 2-methyl-6-propyl- Concentration Rank 13

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 18.292 | 12.71 ng | 839197 | Phenanthrene-d10 | 17.092 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Dodecane, 2-methyl-6-propyl- | 226 | C16H34  | 055045-08-4 | 93   |
| 2    |    |   | Nonadecane                   | 268 | C19H40  | 000629-92-5 | 91   |
| 3    |    |   | Heptacosane                  | 380 | C27H56  | 000593-49-7 | 91   |
| 4    |    |   | Octadecane                   | 254 | C18H38  | 000593-45-3 | 91   |
| 5    |    |   | Tetradecane                  | 198 | C14H30  | 000629-59-4 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032624\  
Data File : BM044769.D  
Acq On : 26 Mar 2024 15:24  
Operator : MA/JU  
Sample : P1861-01 5X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
HD-02-03252024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM031324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

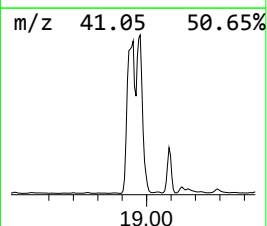
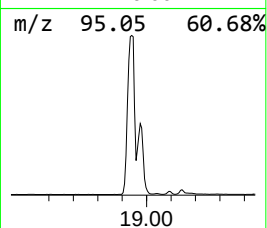
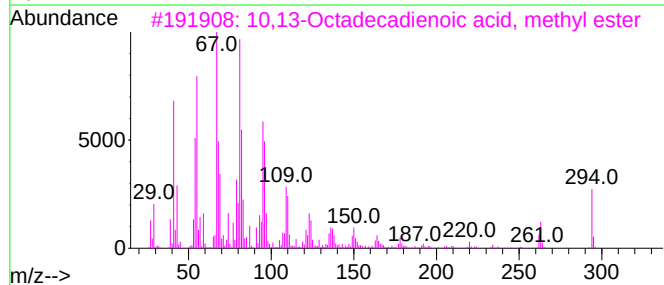
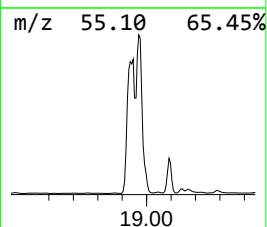
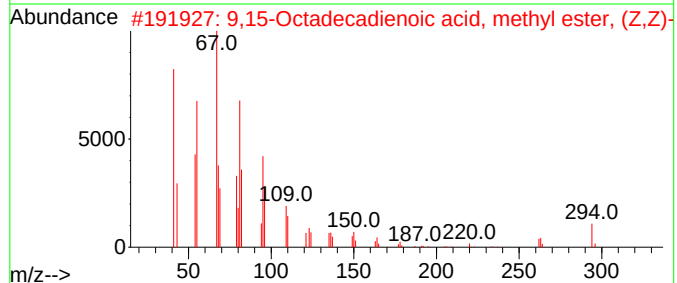
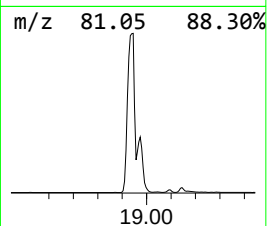
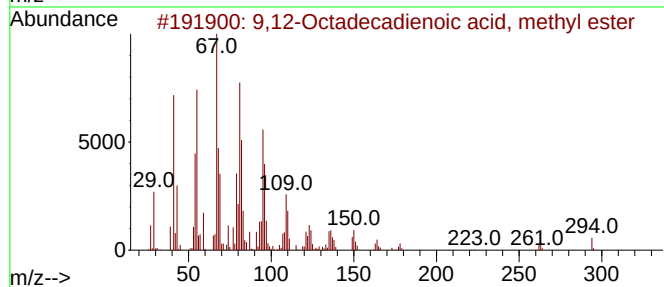
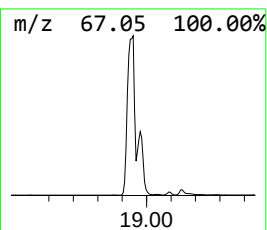
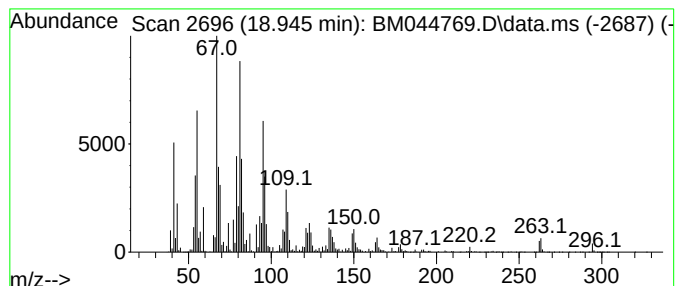
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Peak Number 12 9,12-Octadecadienoic acid, ... Concentration Rank 1

| R.T.   | EstConc   | Area     | Relative to ISTD | R.T.   |
|--------|-----------|----------|------------------|--------|
| 18.945 | 600.65 ng | 39669700 | Phenanthrene-d10 | 17.092 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2     | 002462-85-3 | 99      |      |      |
| 2    | 9,15-Octadecadienoic acid, methy... | 294 | C19H34O2     | 017309-05-6 | 99      |      |      |
| 3    | 10,13-Octadecadienoic acid, meth... | 294 | C19H34O2     | 056554-62-2 | 99      |      |      |
| 4    | 9,12-Octadecadienoic acid (Z,Z)-... | 294 | C19H34O2     | 000112-63-0 | 99      |      |      |
| 5    | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2     | 002566-97-4 | 99      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032624\  
Data File : BM044769.D  
Acq On : 26 Mar 2024 15:24  
Operator : MA/JU  
Sample : P1861-01 5X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
HD-02-03252024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM031324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

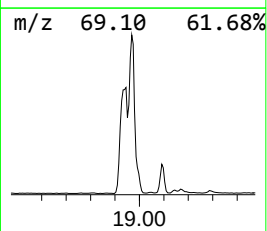
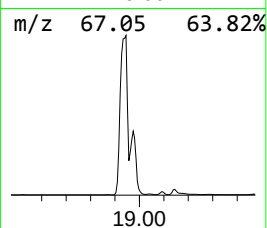
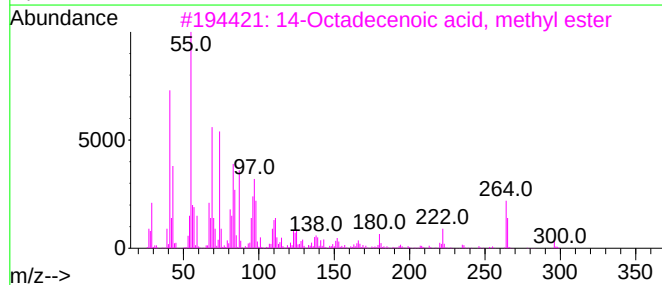
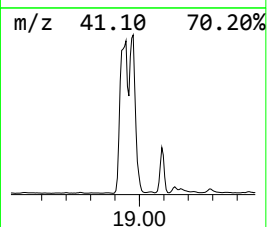
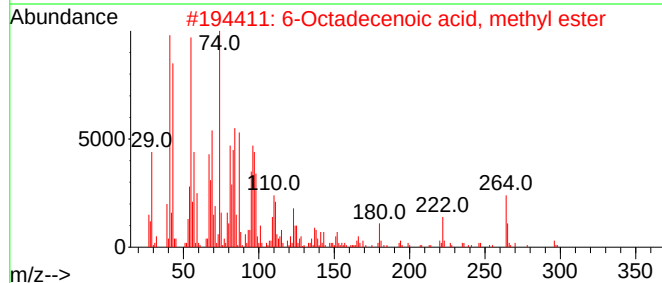
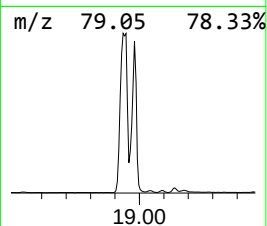
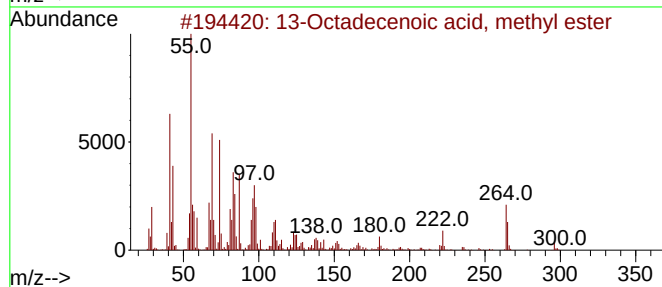
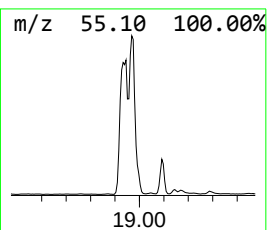
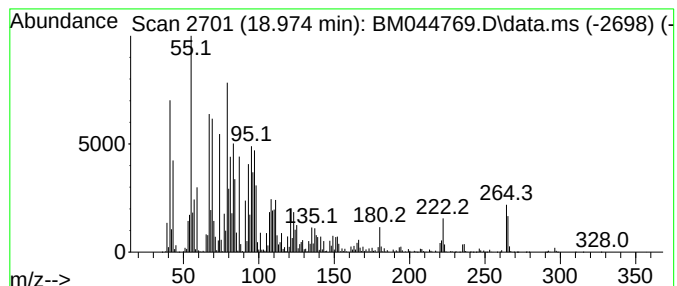
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 13-Octadecenoic acid, methyl... Concentration Rank 2

| R.T.   | EstConc   | Area     | Relative to ISTD | R.T.   |
|--------|-----------|----------|------------------|--------|
| 18.974 | 385.50 ng | 25460200 | Phenanthrene-d10 | 17.092 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#        | Qual |
|------|----|---|------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 13-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-47-3 | 97   |
| 2    |    |   | 6-Octadecenoic acid, methyl ester  | 296 | C19H36O2 | 052355-31-4 | 97   |
| 3    |    |   | 14-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-48-4 | 96   |
| 4    |    |   | 15-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 004764-72-1 | 96   |
| 5    |    |   | 11-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 052380-33-3 | 96   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032624\  
Data File : BM044769.D  
Acq On : 26 Mar 2024 15:24  
Operator : MA/JU  
Sample : P1861-01 5X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
HD-02-03252024

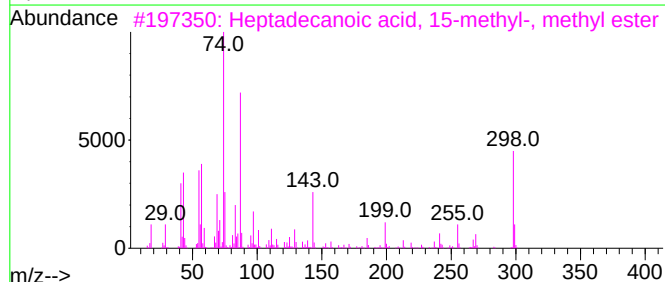
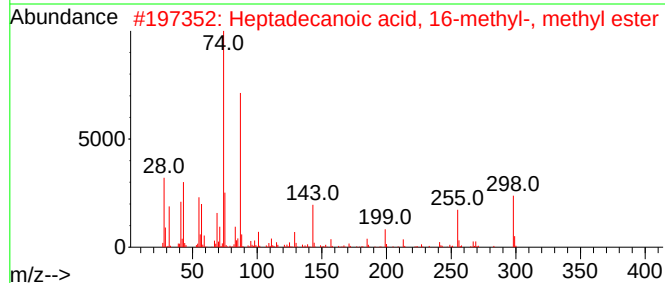
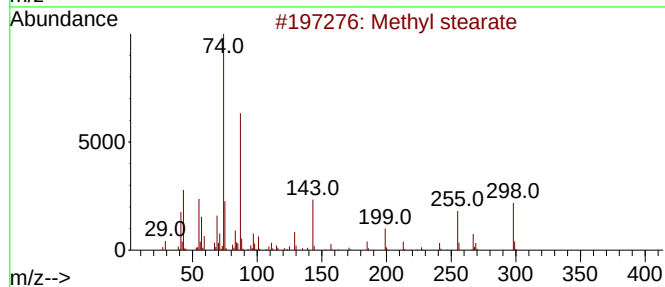
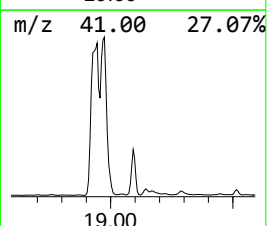
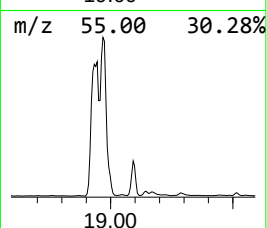
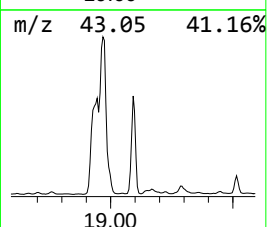
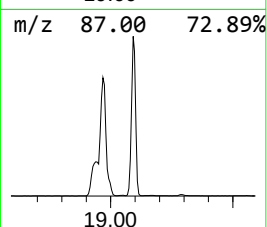
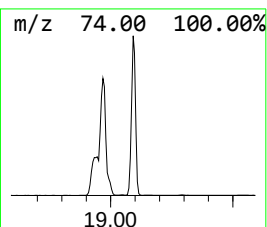
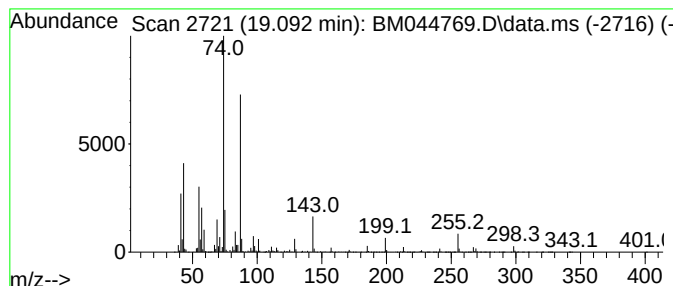
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 14 Methyl stearate Concentration Rank 4

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 19.092 | 83.22 ng | 5496390 | Phenanthrene-d10 | 17.092 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Methyl stearate                     | 298 | C19H38O2 | 000112-61-8 | 98   |
| 2    |    |   | Heptadecanoic acid, 16-methyl-, ... | 298 | C19H38O2 | 005129-61-3 | 94   |
| 3    |    |   | Heptadecanoic acid, 15-methyl-, ... | 298 | C19H38O2 | 054833-55-5 | 93   |
| 4    |    |   | Pentadecanoic acid, methyl ester    | 256 | C16H32O2 | 007132-64-1 | 91   |
| 5    |    |   | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 91   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032624\  
Data File : BM044769.D  
Acq On : 26 Mar 2024 15:24  
Operator : MA/JU  
Sample : P1861-01 5X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
HD-02-03252024

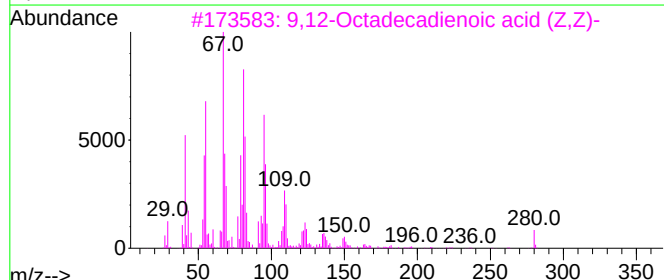
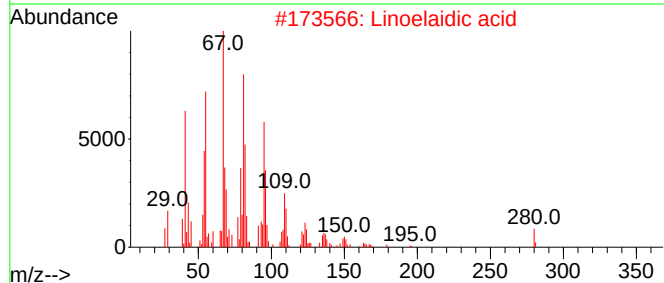
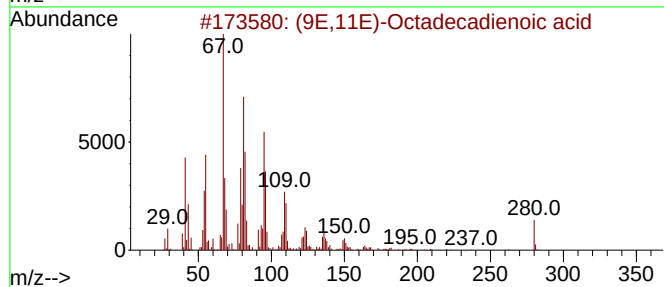
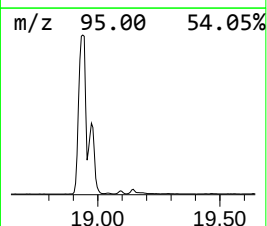
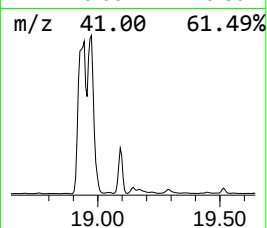
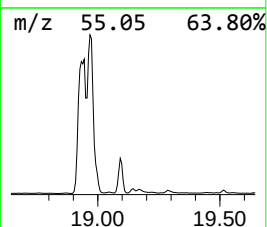
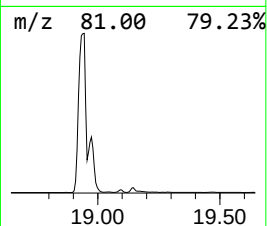
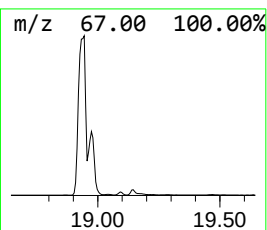
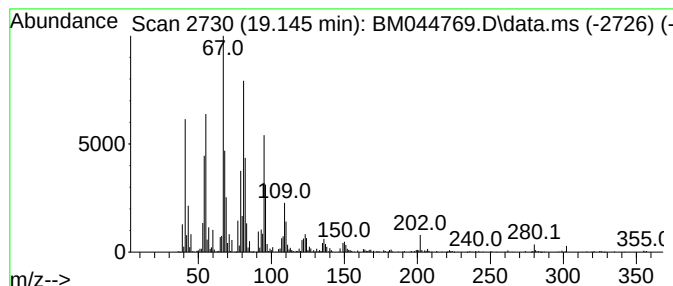
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 15 (9E,11E)-Octadecadienoic acid Concentration Rank 14

| R.T.      | EstConc                          | Area   | Relative to ISTD |            |             | R.T.   |
|-----------|----------------------------------|--------|------------------|------------|-------------|--------|
| 19.145    | 10.18 ng                         | 672562 | Phenanthrene-d10 |            |             | 17.092 |
| Hit# of 5 | Tentative ID                     |        | MW               | MolForm    | CAS#        | Qual   |
| 1         | (9E,11E)-Octadecadienoic acid    |        | 280              | C18H32O2   | 000544-71-8 | 98     |
| 2         | Linoelaidic acid                 |        | 280              | C18H32O2   | 000506-21-8 | 96     |
| 3         | 9,12-Octadecadienoic acid (Z,Z)- |        | 280              | C18H32O2   | 000060-33-3 | 96     |
| 4         | 10E,12Z-Octadecadienoic acid     |        | 280              | C18H32O2   | 002420-56-6 | 94     |
| 5         | 2-Chloroethyl linoleate          |        | 342              | C20H35ClO2 | 025525-76-2 | 91     |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032624\  
Data File : BM044769.D  
Acq On : 26 Mar 2024 15:24  
Operator : MA/JU  
Sample : P1861-01 5X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
HD-02-03252024

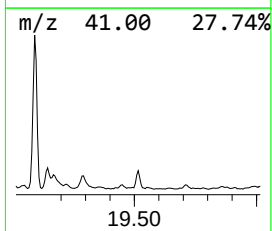
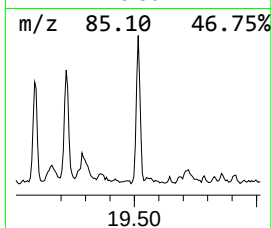
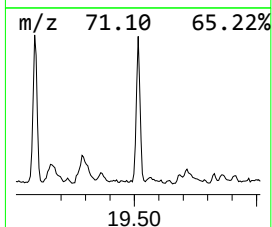
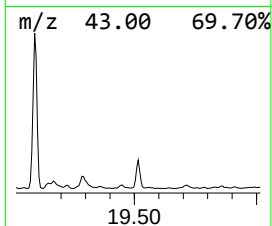
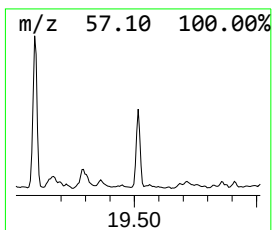
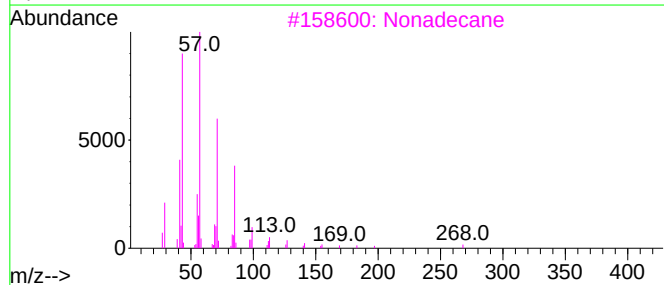
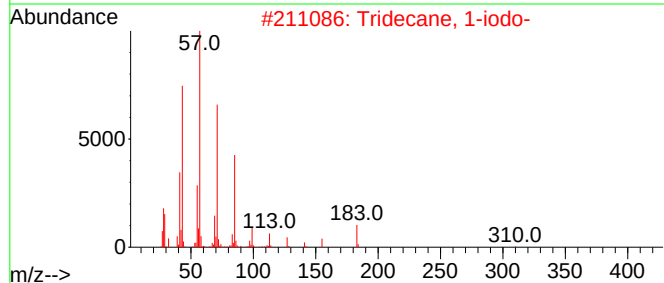
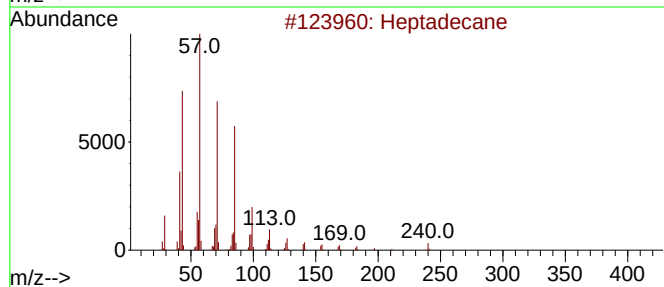
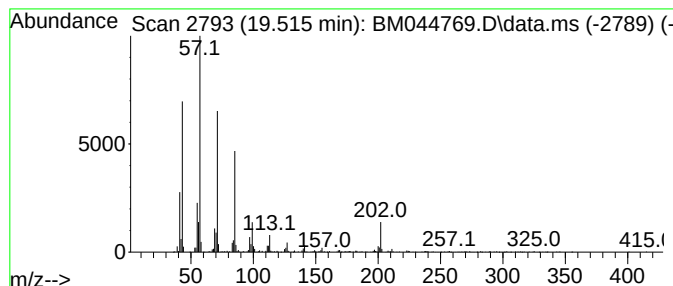
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 16 Tridecane, 1-iodo- Concentration Rank 17

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 19.515 | 7.82 ng | 550154 | Chrysene-d12     | 21.292 |

| Hit# | of 5 | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|------|--------------------|-----|---------|-------------|------|
| 1    |      | Heptadecane        | 240 | C17H36  | 000629-78-7 | 93   |
| 2    |      | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 91   |
| 3    |      | Nonadecane         | 268 | C19H40  | 000629-92-5 | 87   |
| 4    |      | Octadecane         | 254 | C18H38  | 000593-45-3 | 87   |
| 5    |      | Heneicosane        | 296 | C21H44  | 000629-94-7 | 86   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032624\  
Data File : BM044769.D  
Acq On : 26 Mar 2024 15:24  
Operator : MA/JU  
Sample : P1861-01 5X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
HD-02-03252024

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

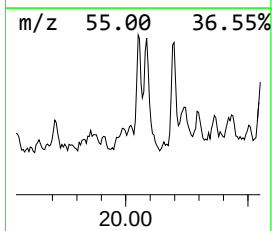
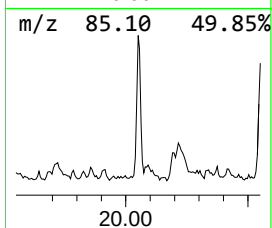
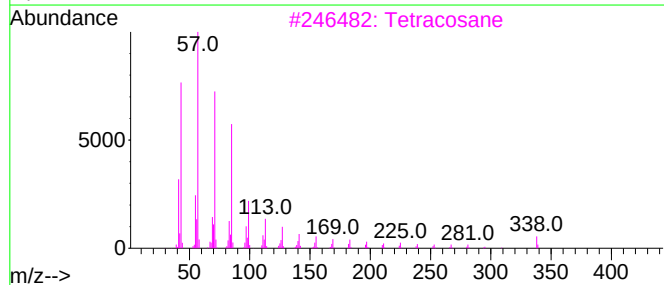
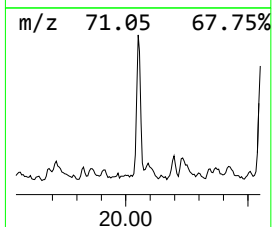
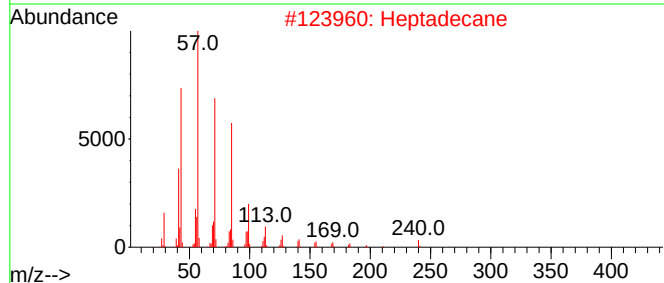
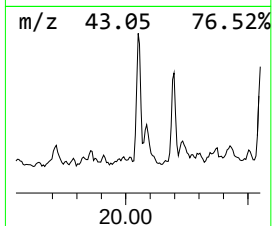
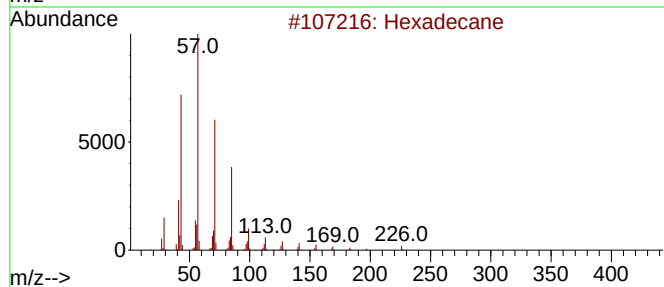
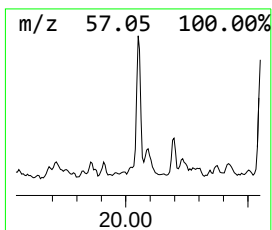
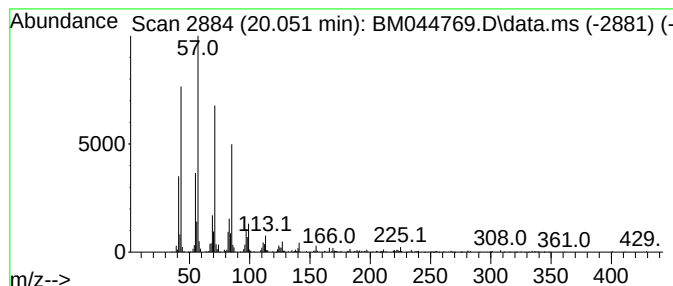
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TIC Integration Parameters: LSCINT.P

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Peak Number 17 Tetracosane Concentration Rank 19

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 20.051 | 7.23 ng | 508592 | Chrysene-d12     | 21.292 |

| Hit# | of 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------|-----|---------|-------------|------|
| 1    |      | Hexadecane           | 226 | C16H34  | 000544-76-3 | 95   |
| 2    |      | Heptadecane          | 240 | C17H36  | 000629-78-7 | 95   |
| 3    |      | Tetracosane          | 338 | C24H50  | 000646-31-1 | 94   |
| 4    |      | Hexadecane, 5-butyl- | 282 | C20H42  | 006912-07-8 | 91   |
| 5    |      | Hexacosane           | 366 | C26H54  | 000630-01-3 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032624\  
Data File : BM044769.D  
Acq On : 26 Mar 2024 15:24  
Operator : MA/JU  
Sample : P1861-01 5X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
HD-02-03252024

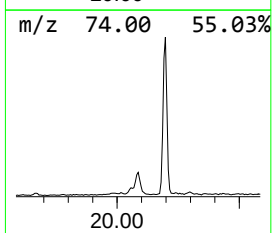
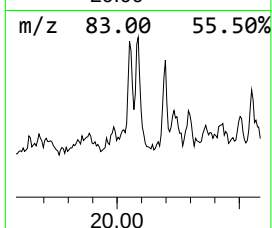
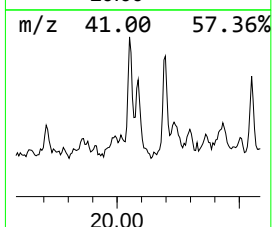
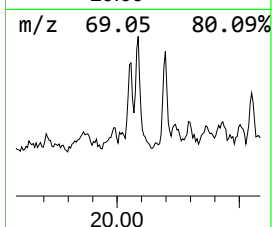
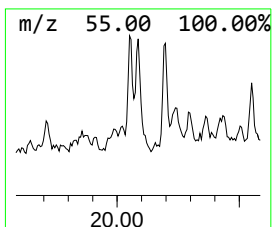
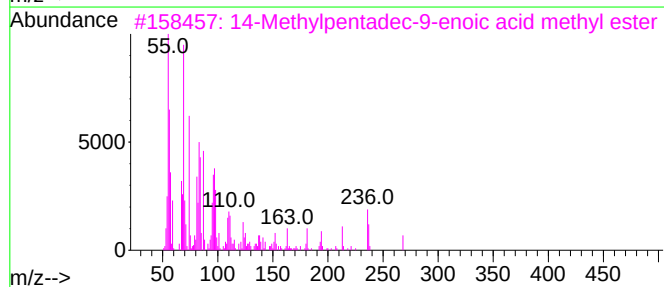
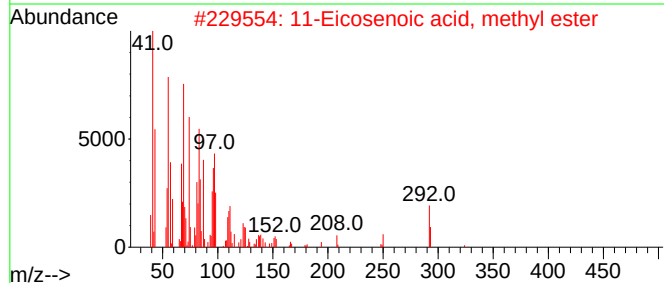
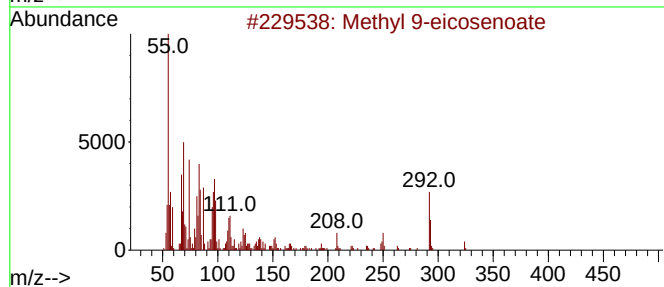
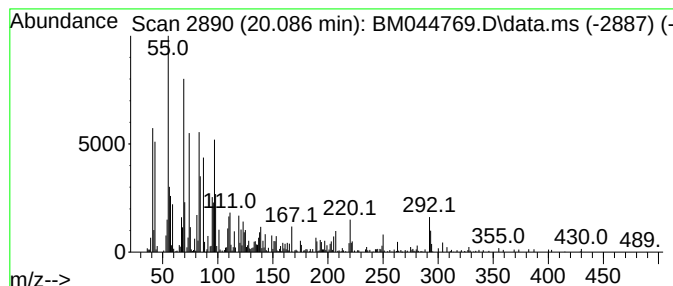
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 18 Methyl 9-eicosenoate Concentration Rank 15

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 20.086    | 8.81 ng                             | 619913 | Chrysene-d12     | 21.292       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Methyl 9-eicosenoate                | 324    | C21H40O2         | 1000336-50-5 | 78   |
| 2         | 11-Eicosenoic acid, methyl ester    | 324    | C21H40O2         | 003946-08-5  | 78   |
| 3         | 14-Methylpentadec-9-enoic acid m... | 268    | C17H32O2         | 1000365-89-7 | 64   |
| 4         | Disparlure                          | 282    | C19H38O          | 029804-22-6  | 64   |
| 5         | cis-13-Eicosenoic acid, methyl e... | 324    | C21H40O2         | 069120-02-1  | 53   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032624\  
Data File : BM044769.D  
Acq On : 26 Mar 2024 15:24  
Operator : MA/JU  
Sample : P1861-01 5X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
HD-02-03252024

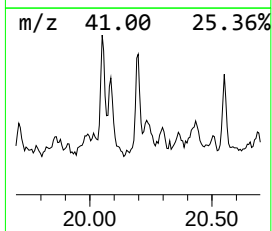
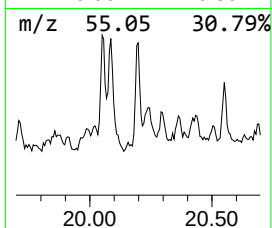
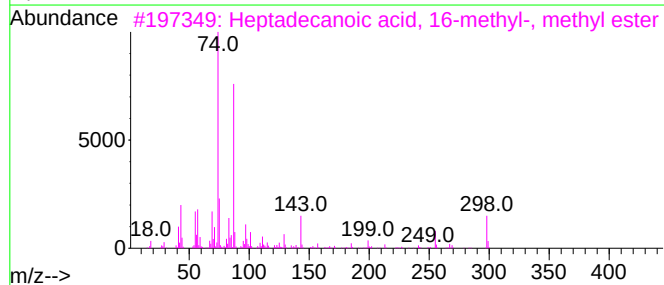
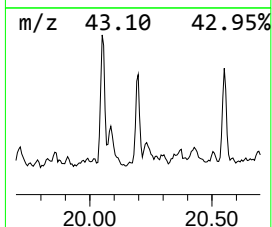
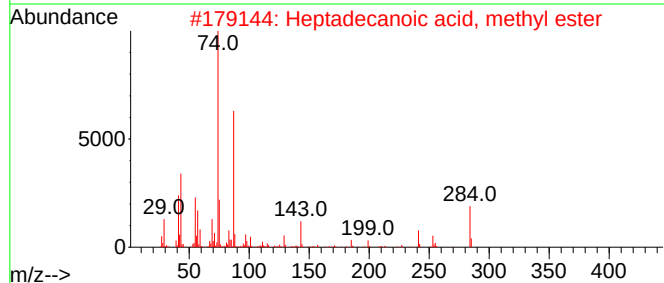
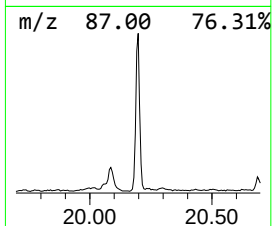
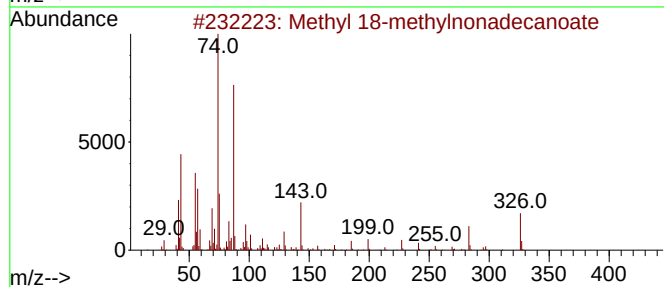
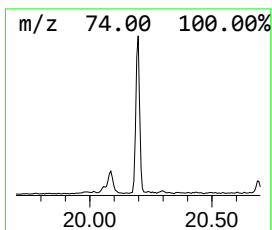
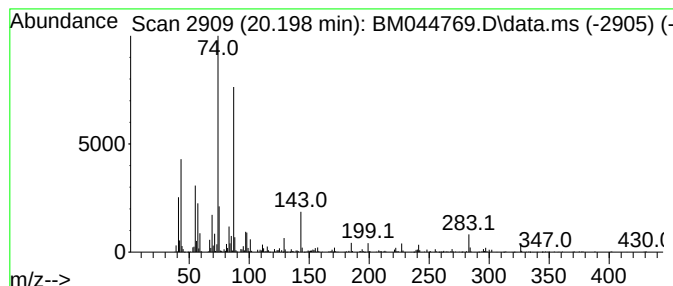
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 19 Methyl 18-methylnonadecanoate Concentration Rank 16

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 20.198    | 8.03 ng                             | 565086 | Chrysene-d12     | 21.292       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Methyl 18-methylnonadecanoate       | 326    | C21H42O2         | 1000424-52-4 | 95   |
| 2         | Heptadecanoic acid, methyl ester    | 284    | C18H36O2         | 001731-92-6  | 93   |
| 3         | Heptadecanoic acid, 16-methyl-, ... | 298    | C19H38O2         | 005129-61-3  | 93   |
| 4         | Hexadecanoic acid, 15-methyl-, m... | 284    | C18H36O2         | 006929-04-0  | 93   |
| 5         | Hexadecanoic acid, methyl ester     | 270    | C17H34O2         | 000112-39-0  | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032624\  
Data File : BM044769.D  
Acq On : 26 Mar 2024 15:24  
Operator : MA/JU  
Sample : P1861-01 5X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
HD-02-03252024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM031324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

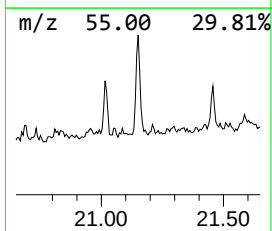
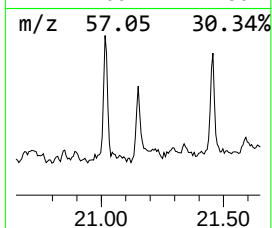
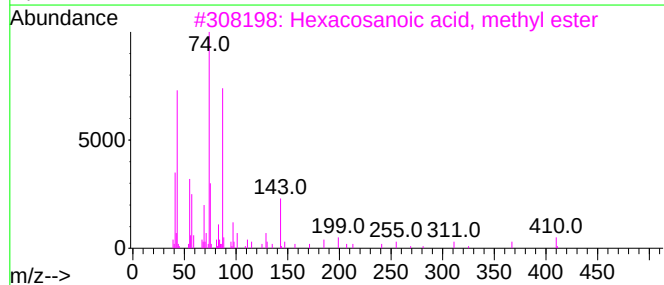
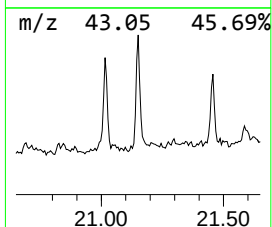
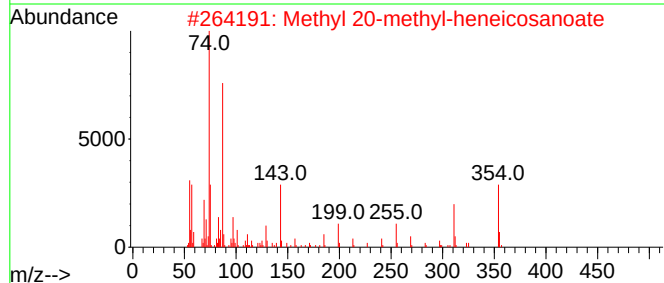
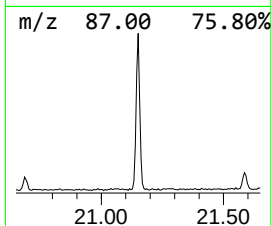
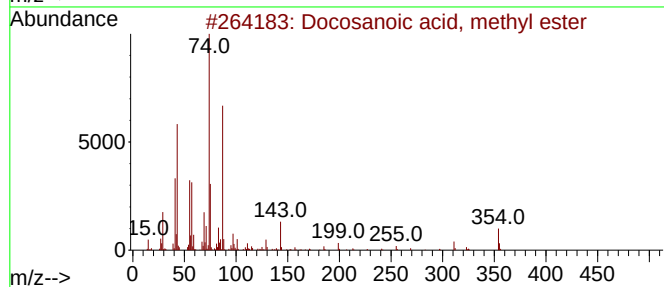
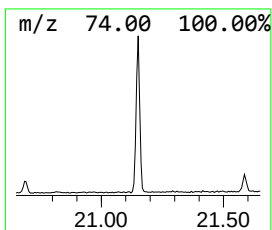
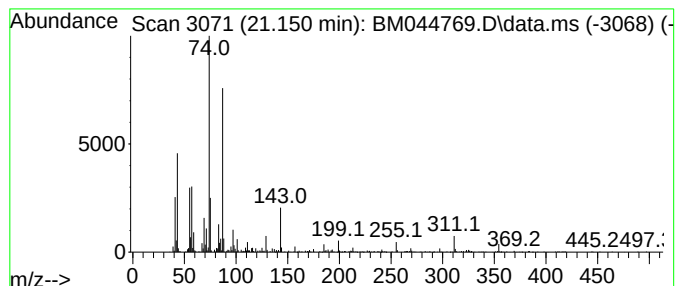
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Docosanoic acid, methyl ester Concentration Rank 20

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 21.151 | 7.13 ng | 501602 | Chrysene-d12     | 21.292 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm  | CAS#         | Qual |
|------|----|---|---------------------------------|-----|----------|--------------|------|
| 1    |    |   | Docosanoic acid, methyl ester   | 354 | C23H46O2 | 000929-77-1  | 95   |
| 2    |    |   | Methyl 20-methyl-heneicosanoate | 354 | C23H46O2 | 1000336-47-4 | 93   |
| 3    |    |   | Hexacosanoic acid, methyl ester | 410 | C27H54O2 | 005802-82-4  | 91   |
| 4    |    |   | Nonadecanoic acid, methyl ester | 312 | C20H40O2 | 001731-94-8  | 90   |
| 5    |    |   | Methyl stearate                 | 298 | C19H38O2 | 000112-61-8  | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032624\  
Data File : BM044769.D  
Acq On : 26 Mar 2024 15:24  
Operator : MA/JU  
Sample : P1861-01 5X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
HD-02-03252024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM031324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Tridecane          | 11.886 | 26.1    | ng    | 1080780  | 2                     | 10.469 | 827499  | 20.0 |
| Tetradecane        | 13.145 | 16.1    | ng    | 1085540  | 3                     | 14.333 | 1344000 | 20.0 |
| Pentadecane        | 14.233 | 17.5    | ng    | 1174730  | 3                     | 14.333 | 1344000 | 20.0 |
| Hexadecane         | 15.192 | 16.0    | ng    | 1075330  | 3                     | 14.333 | 1344000 | 20.0 |
| Heptadecane        | 16.057 | 22.8    | ng    | 1506590  | 4                     | 17.092 | 1320900 | 20.0 |
| Octadecane         | 16.857 | 14.8    | ng    | 977575   | 4                     | 17.092 | 1320900 | 20.0 |
| Tridecane, 4-me... | 16.904 | 7.6     | ng    | 499341   | 4                     | 17.092 | 1320900 | 20.0 |
| Nonadecane         | 17.598 | 13.2    | ng    | 869278   | 4                     | 17.092 | 1320900 | 20.0 |
| Hexadecanoic ac... | 17.780 | 179.0   | ng    | 11824200 | 4                     | 17.092 | 1320900 | 20.0 |
| n-Hexadecanoic ... | 18.004 | 14.5    | ng    | 960205   | 4                     | 17.092 | 1320900 | 20.0 |
| Dodecane, 2-met... | 18.292 | 12.7    | ng    | 839197   | 4                     | 17.092 | 1320900 | 20.0 |
| 9,12-Octadecadi... | 18.945 | 600.6   | ng    | 39669700 | 4                     | 17.092 | 1320900 | 20.0 |
| 13-Octadecenoic... | 18.974 | 385.5   | ng    | 25460200 | 4                     | 17.092 | 1320900 | 20.0 |
| Methyl stearate    | 19.092 | 83.2    | ng    | 5496390  | 4                     | 17.092 | 1320900 | 20.0 |
| (9E,11E)-Octade... | 19.145 | 10.2    | ng    | 672562   | 4                     | 17.092 | 1320900 | 20.0 |
| Tridecane, 1-iodo- | 19.515 | 7.8     | ng    | 550154   | 5                     | 21.292 | 1407590 | 20.0 |
| Tetracosane        | 20.051 | 7.2     | ng    | 508592   | 5                     | 21.292 | 1407590 | 20.0 |
| Methyl 9-eicose... | 20.086 | 8.8     | ng    | 619913   | 5                     | 21.292 | 1407590 | 20.0 |
| Methyl 18-methy... | 20.198 | 8.0     | ng    | 565086   | 5                     | 21.292 | 1407590 | 20.0 |
| Docosanoic acid... | 21.151 | 7.1     | ng    | 501602   | 5                     | 21.292 | 1407590 | 20.0 |