

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082025\  
 Data File : BP025515.D  
 Acq On : 20 Aug 2025 20:30  
 Operator : CG/JU  
 Sample : Q2819-03  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 22BP-W

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\_P\Methods\8270E-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025515.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         | 3.043       | 13            | 18          | 28           | rVB      | 1329788        | 1663628       | 25.74%          | 3.788%        |
| 2         | 4.949       | 336           | 342         | 353          | rVB      | 250737         | 362403        | 5.61%           | 0.825%        |
| 3         | 5.407       | 413           | 420         | 433          | rBV      | 2575774        | 3822999       | 59.14%          | 8.704%        |
| 4         | 6.966       | 676           | 685         | 701          | rBV      | 2345461        | 3994324       | 61.79%          | 9.094%        |
| 5         | 7.784       | 817           | 824         | 834          | rBV      | 713103         | 1140923       | 17.65%          | 2.598%        |
| 6         | 8.925       | 1010          | 1018        | 1035         | rBV      | 1613526        | 2690128       | 41.62%          | 6.125%        |
| 7         | 10.554      | 1287          | 1295        | 1308         | rBV      | 849813         | 1514741       | 23.43%          | 3.449%        |
| 8         | 13.019      | 1706          | 1714        | 1728         | rBV      | 3272287        | 5487713       | 84.90%          | 12.494%       |
| 9         | 14.407      | 1942          | 1950        | 1958         | rBV      | 1179012        | 1909111       | 29.53%          | 4.346%        |
| 10        | 15.783      | 2174          | 2184        | 2194         | rBV      | 600030         | 897783        | 13.89%          | 2.044%        |
| 11        | 15.919      | 2199          | 2207        | 2222         | rBV      | 2876654        | 4220924       | 65.30%          | 9.610%        |
| 12        | 16.360      | 2273          | 2282        | 2289         | rVB      | 99477          | 149912        | 2.32%           | 0.341%        |
| 13        | 17.213      | 2419          | 2427        | 2438         | rBV2     | 1359814        | 2047426       | 31.67%          | 4.661%        |
| 14        | 18.142      | 2579          | 2585        | 2594         | rBV      | 312211         | 545075        | 8.43%           | 1.241%        |
| 15        | 18.466      | 2634          | 2640        | 2648         | rBV5     | 23288          | 68105         | 1.05%           | 0.155%        |
| 16        | 19.377      | 2792          | 2795        | 2801         | rVB      | 130670         | 161615        | 2.50%           | 0.368%        |
| 17        | 19.471      | 2807          | 2811        | 2821         | rBV2     | 117559         | 225832        | 3.49%           | 0.514%        |
| 18        | 19.630      | 2833          | 2838        | 2842         | rBV      | 527394         | 582744        | 9.02%           | 1.327%        |
| 19        | 19.748      | 2855          | 2858        | 2863         | rVB2     | 59343          | 72806         | 1.13%           | 0.166%        |
| 20        | 19.918      | 2881          | 2887        | 2897         | rBV      | 4785708        | 6464062       | 100.00%         | 14.717%       |
| 21        | 20.507      | 2984          | 2987        | 2992         | rVB3     | 90118          | 107719        | 1.67%           | 0.245%        |
| 22        | 20.713      | 3018          | 3022        | 3029         | rBV      | 430719         | 529309        | 8.19%           | 1.205%        |
| 23        | 21.318      | 3120          | 3125        | 3134         | rBV      | 383718         | 623070        | 9.64%           | 1.419%        |
| 24        | 21.648      | 3176          | 3181        | 3187         | rVB2     | 1343611        | 2074895       | 32.10%          | 4.724%        |
| 25        | 25.018      | 3746          | 3754        | 3765         | rVB      | 926621         | 2566605       | 39.71%          | 5.843%        |

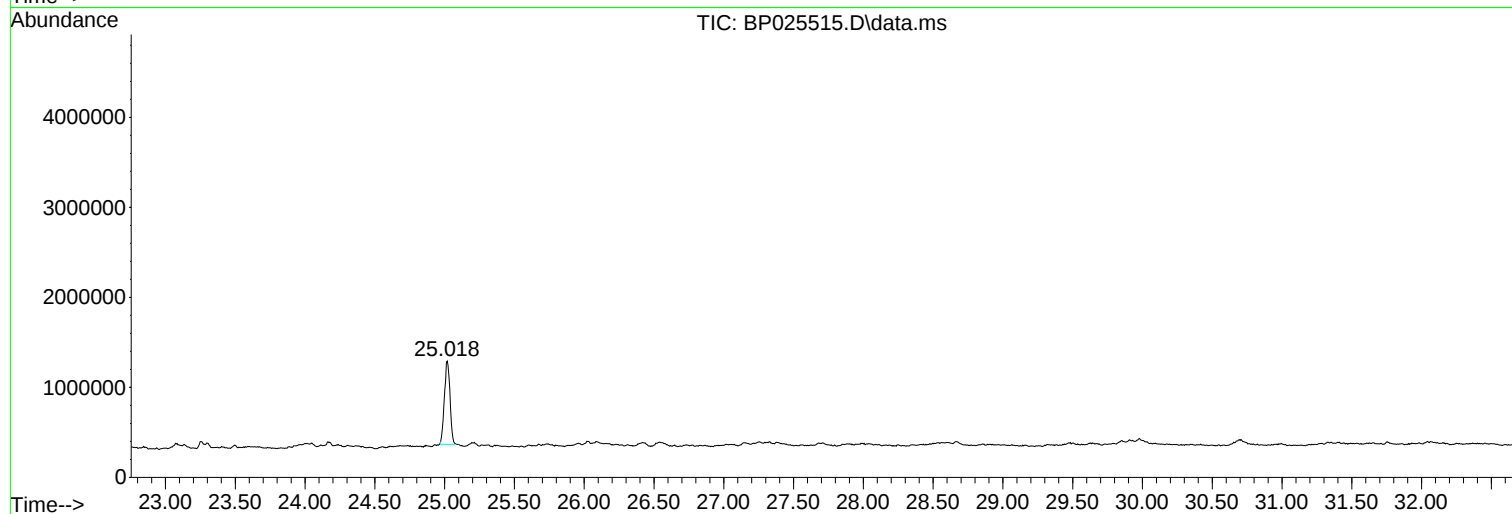
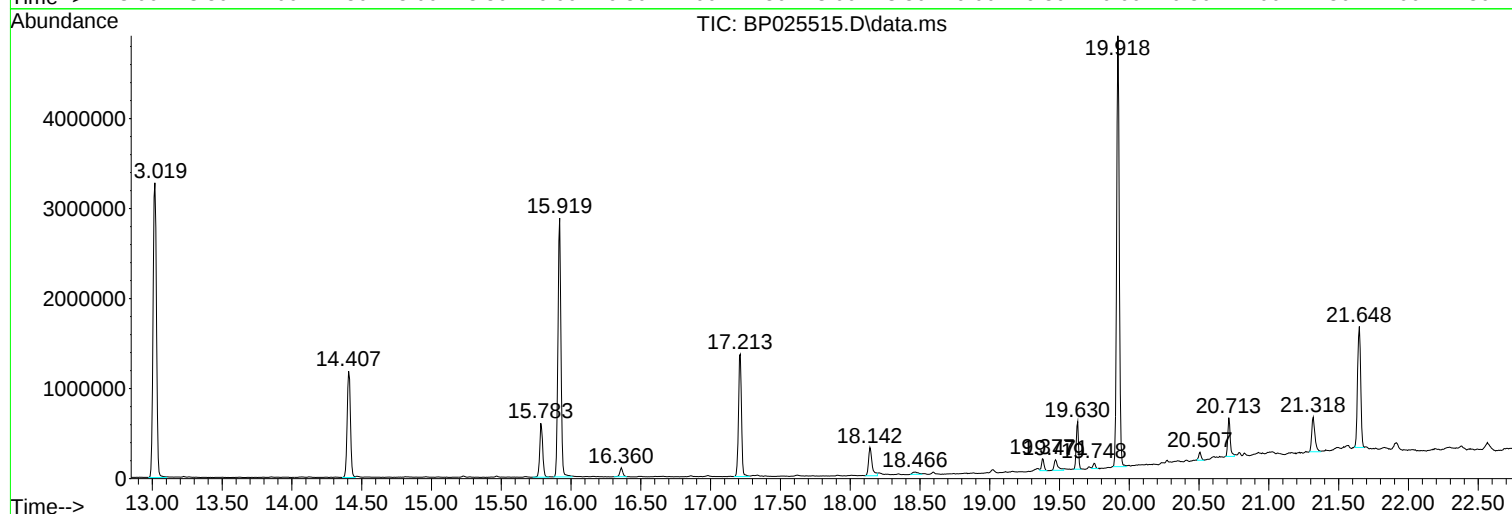
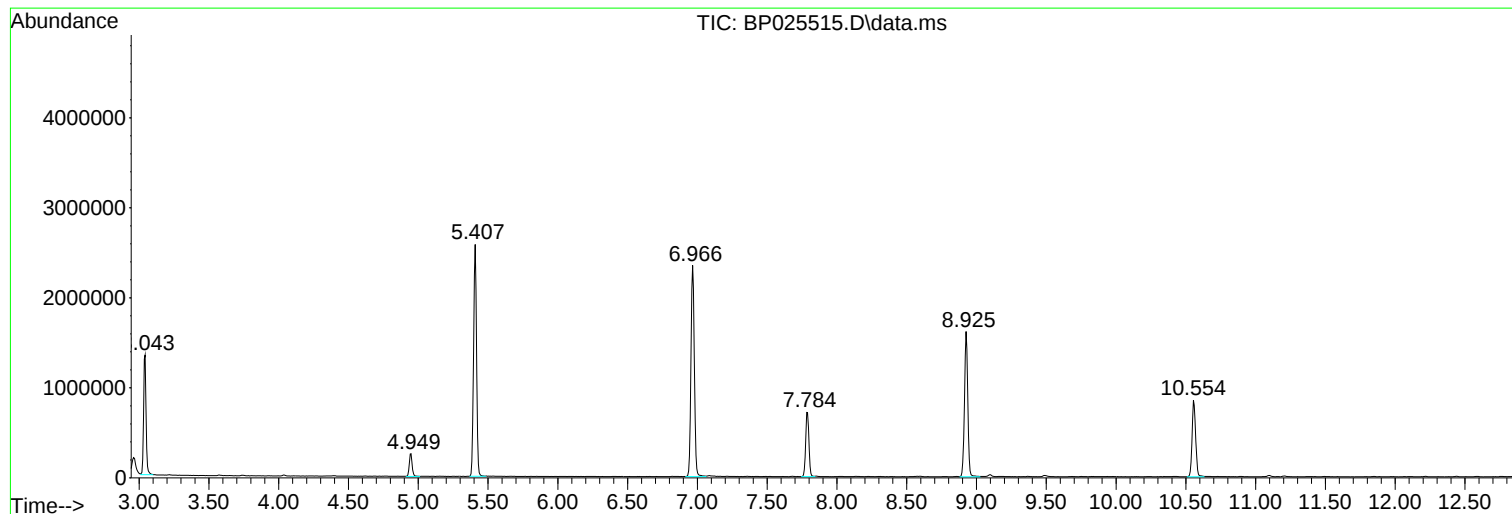
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BNA\_P  
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22BP-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081425.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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22BP-W

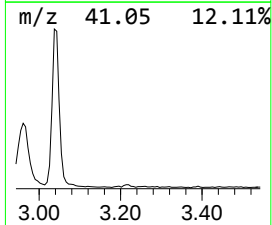
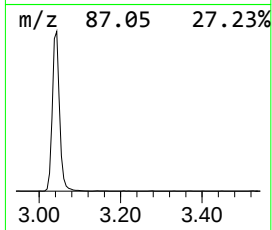
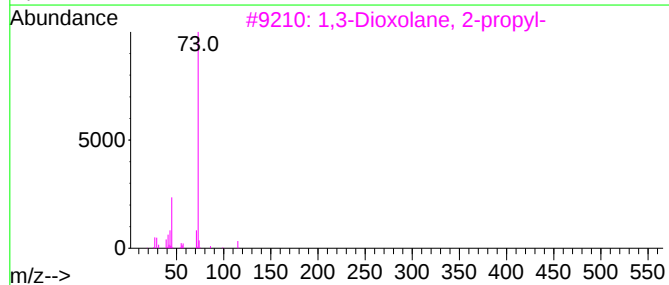
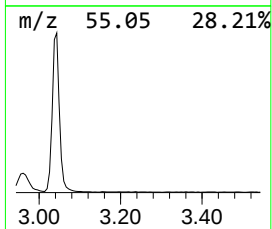
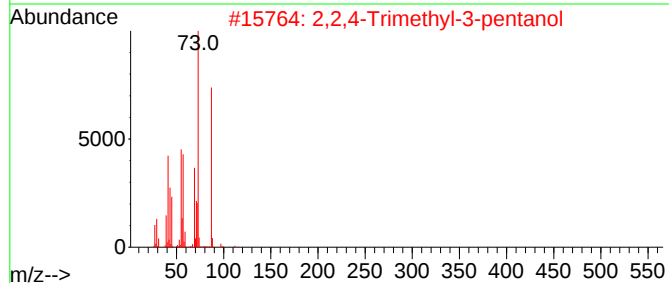
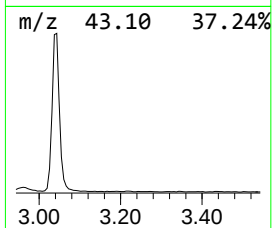
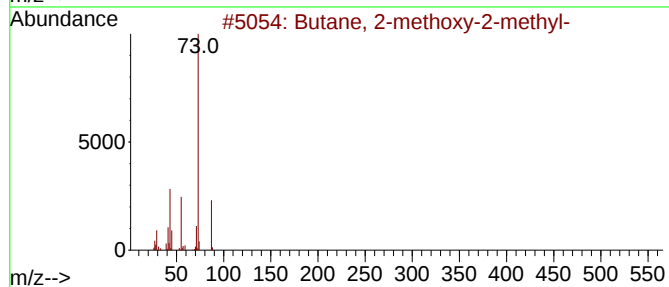
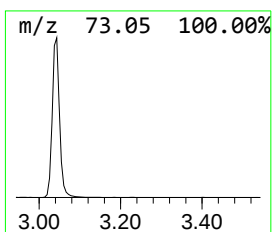
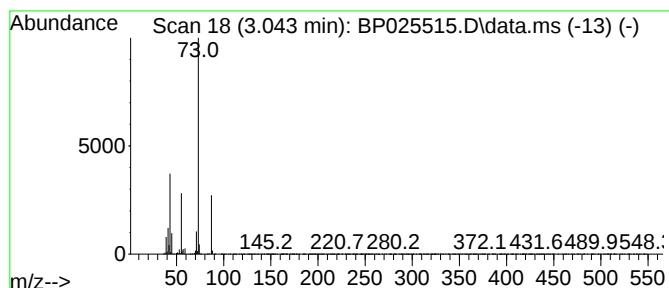
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081425.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T.  | EstConc  | Area    | Relative to ISTD       | R.T.  |
|-------|----------|---------|------------------------|-------|
| 3.043 | 29.16 ng | 1663630 | 1,4-Dichlorobenzene-d4 | 7.790 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm  | CAS#        | Qual |
|------|----|---|----------------------------------|-----|----------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl-      | 102 | C6H14O   | 000994-05-8 | 83   |
| 2    |    |   | 2,2,4-Trimethyl-3-pentanol       | 130 | C8H18O   | 005162-48-1 | 40   |
| 3    |    |   | 1,3-Dioxolane, 2-propyl-         | 116 | C6H12O2  | 003390-13-4 | 23   |
| 4    |    |   | Acetamide, N-ethyl-              | 87  | C4H9NO   | 000625-50-3 | 22   |
| 5    |    |   | Octanal, 7-methoxy-3,7-dimethyl- | 186 | C11H22O2 | 003613-30-7 | 17   |



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Misc :  
ALS Vial : 5 Sample Multiplier: 1

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BNA\_P  
ClientSampleId :  
22BP-W

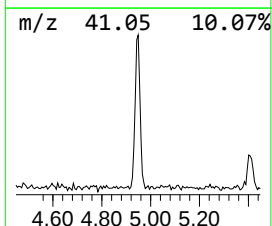
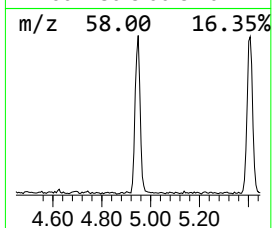
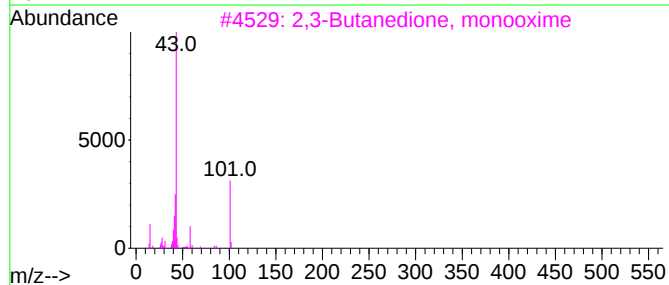
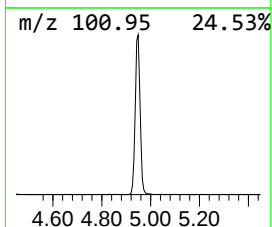
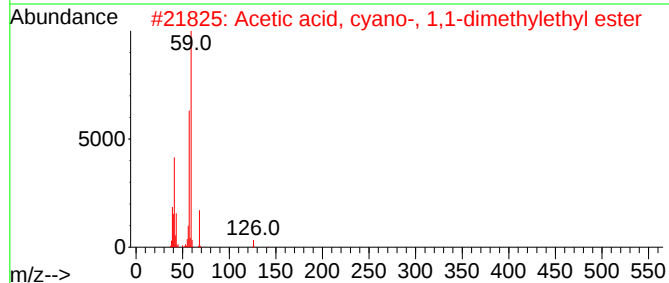
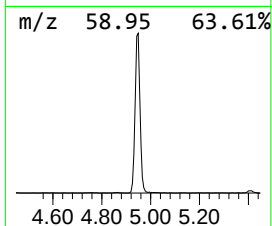
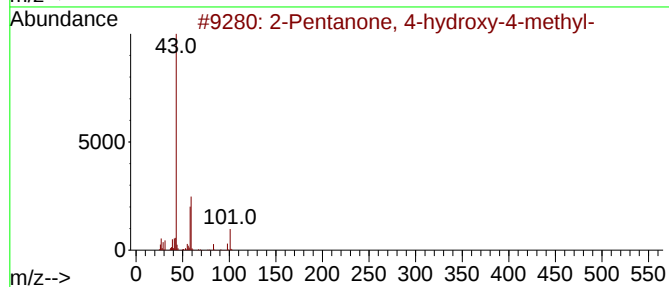
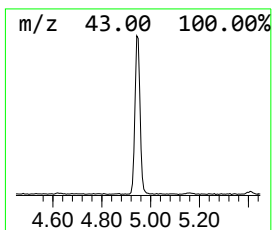
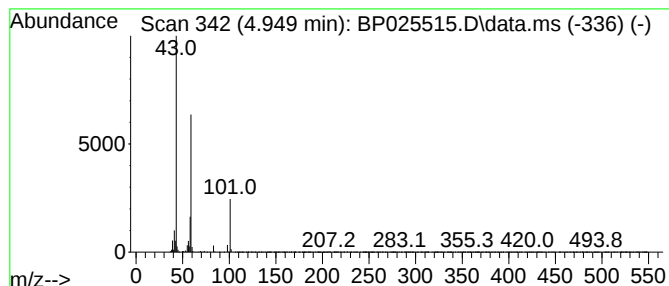
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081425.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 4.949 | 6.35 ng | 362403 | 1,4-Dichlorobenzene-d4 | 7.790 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23   |
| 3    |    |   | 2,3-Butanedione, monooxime          | 101 | C4H7NO2  | 000057-71-6 | 17   |
| 4    |    |   | 1-Propen-2-ol, acetate              | 100 | C5H8O2   | 000108-22-5 | 10   |
| 5    |    |   | Acetone                             | 58  | C3H6O    | 000067-64-1 | 10   |



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Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
22BP-W

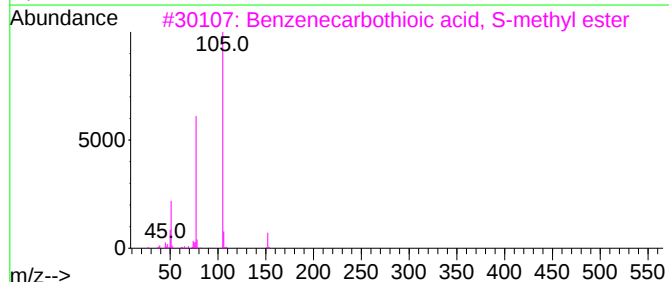
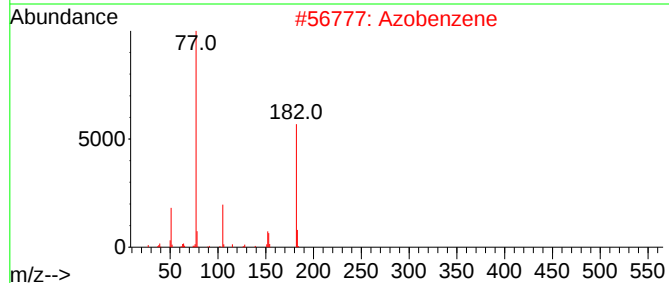
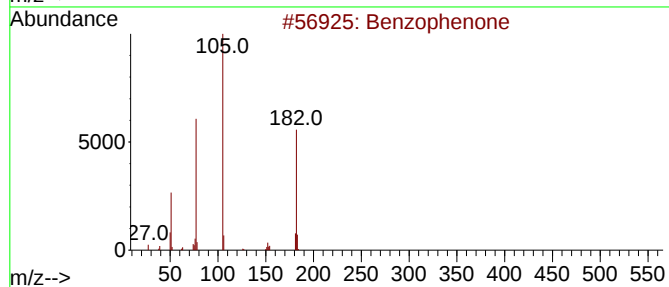
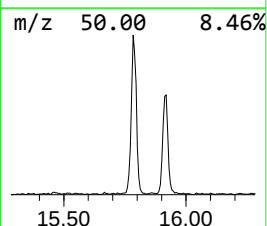
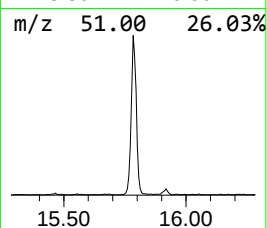
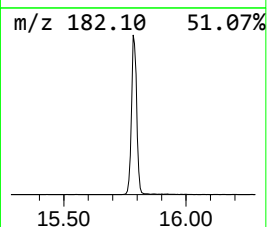
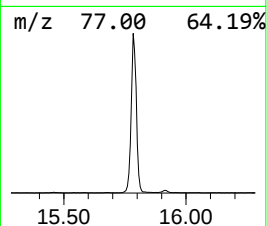
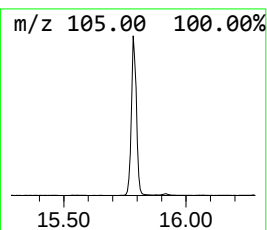
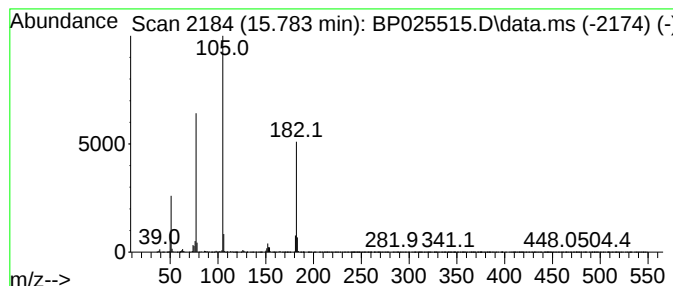
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081425.M  
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TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Benzophenone Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.783 | 9.41 ng | 897783 | Acenaphthene-d10 | 14.407 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Benzophenone                        | 182 | C13H10O  | 000119-61-9 | 96   |
| 2    |    |   | Azobenzene                          | 182 | C12H10N2 | 000103-33-3 | 72   |
| 3    |    |   | Benzenecarbothioic acid, S-methy... | 152 | C8H8OS   | 005925-68-8 | 52   |
| 4    |    |   | Acetophenone, 2-chloro-             | 154 | C8H7ClO  | 000532-27-4 | 49   |
| 5    |    |   | Phenacyl thiocyanate                | 177 | C9H7NOS  | 005399-30-4 | 47   |



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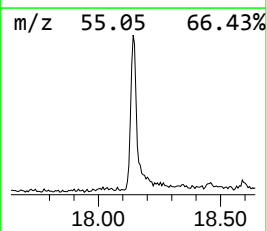
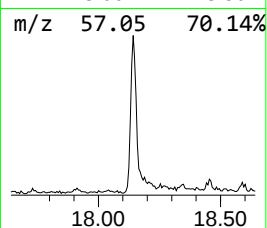
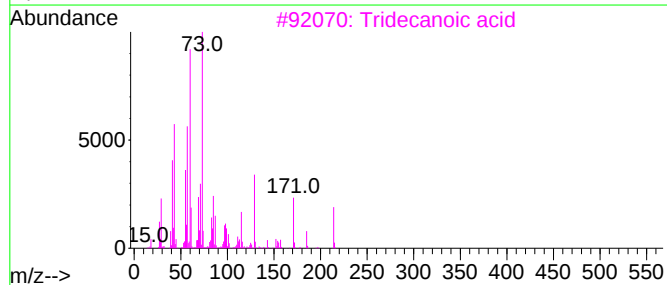
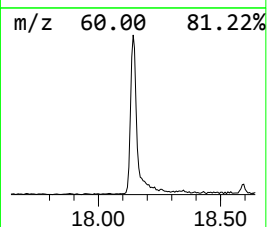
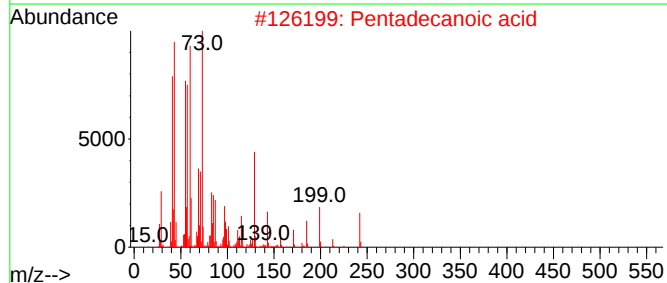
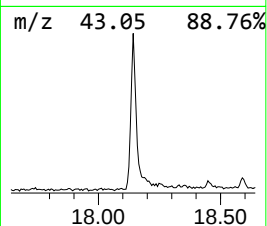
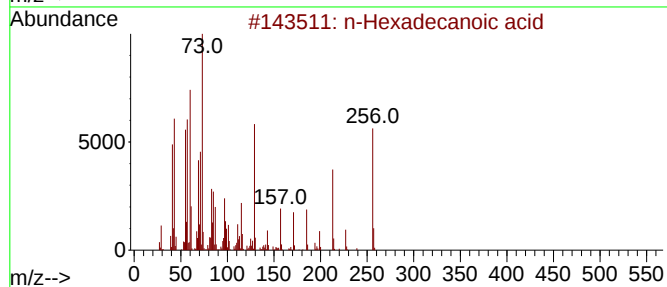
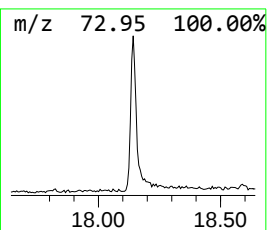
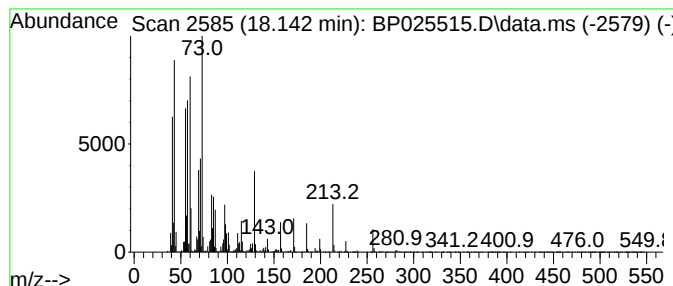
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Peak Number 4 n-Hexadecanoic acid Concentration Rank 6

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.142 | 5.32 ng | 545075 | Phenanthrene-d10 | 17.213 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 91   |
| 3    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 89   |
| 4    |    |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 87   |
| 5    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 76   |



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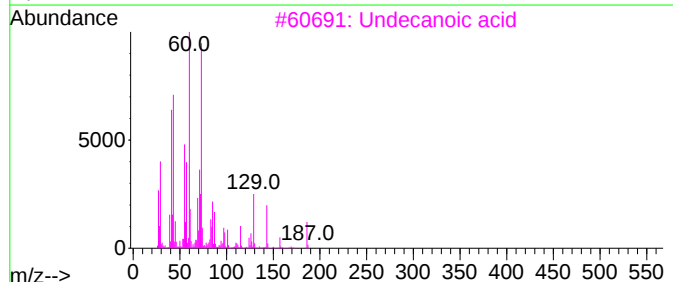
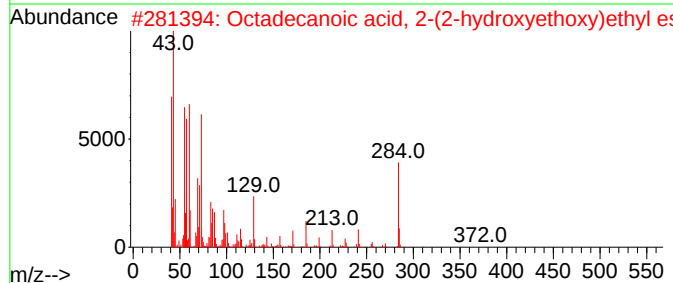
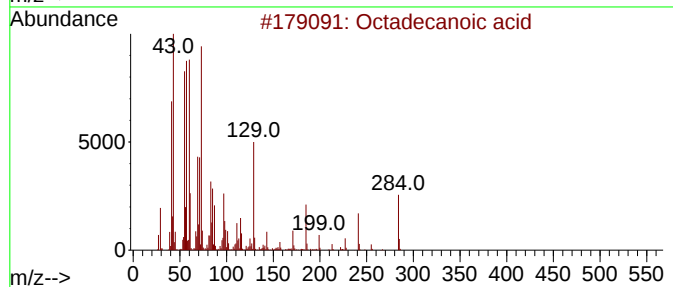
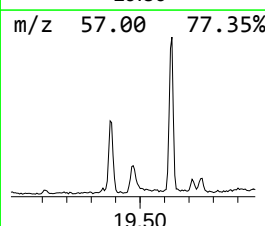
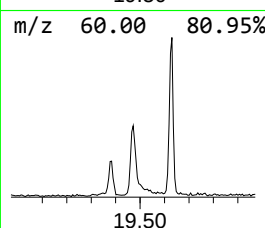
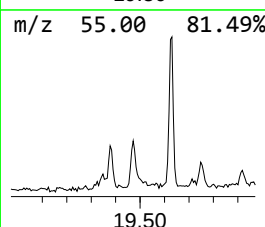
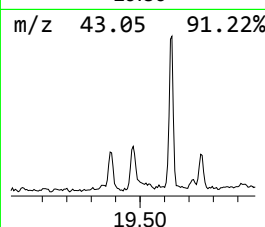
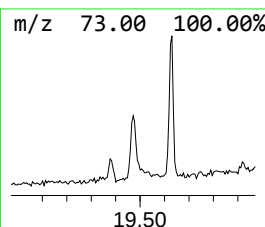
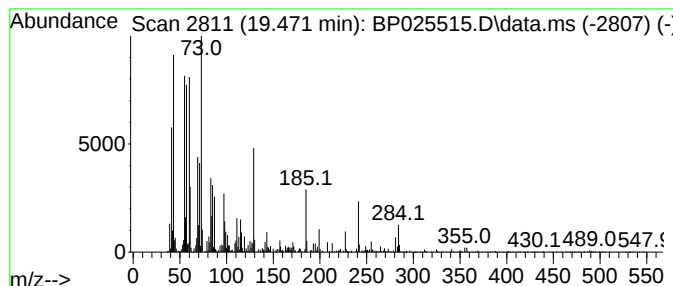
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 Octadecanoic acid Concentration Rank 8

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 19.471 | 2.18 ng | 225832 | Chrysene-d12     | 21.648 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Octadecanoic acid                   | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |    |   | Octadecanoic acid, 2-(2-hydroxye... | 372 | C22H44O4 | 000106-11-6 | 90   |
| 3    |    |   | Undecanoic acid                     | 186 | C11H22O2 | 000112-37-8 | 74   |
| 4    |    |   | n-Decanoic acid                     | 172 | C10H20O2 | 000334-48-5 | 70   |
| 5    |    |   | Tetradecanoic acid                  | 228 | C14H28O2 | 000544-63-8 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082025\  
Data File : BP025515.D  
Acq On : 20 Aug 2025 20:30  
Operator : CG/JU  
Sample : Q2819-03  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
22BP-W

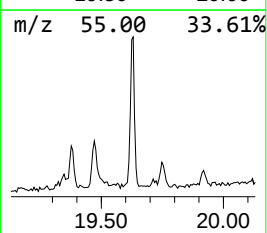
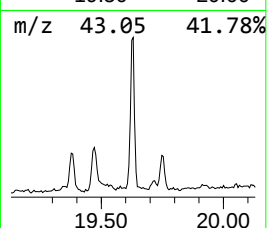
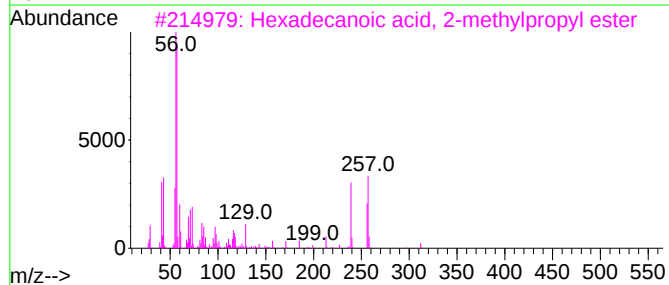
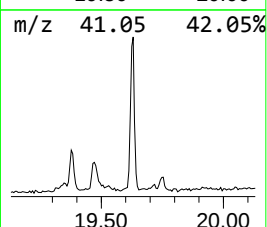
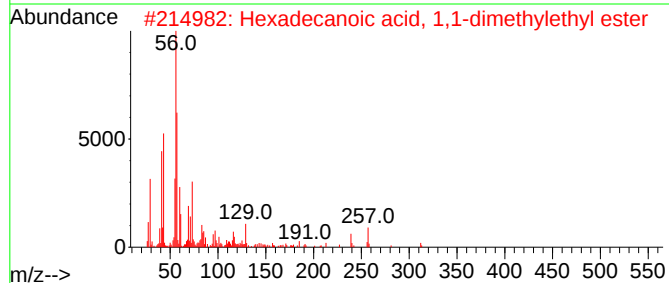
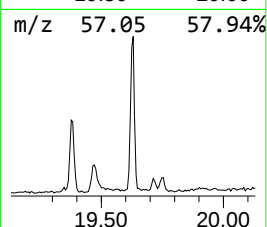
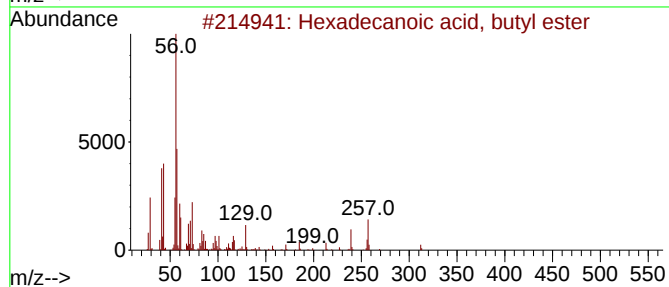
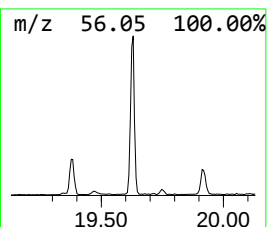
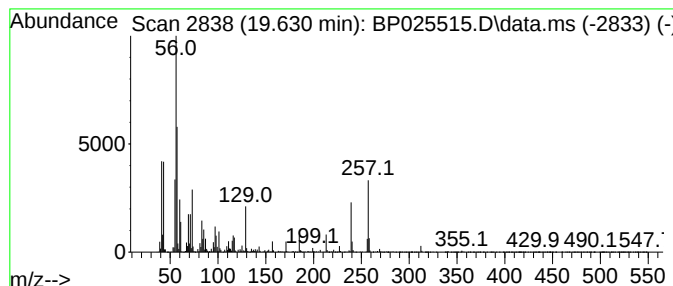
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 Hexadecanoic acid, butyl ester Concentration Rank 5

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 19.630 | 5.62 ng | 582744 | Chrysene-d12     | 21.648 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Hexadecanoic acid, butyl ester      | 312 | C20H40O2 | 000111-06-8 | 98   |
| 2    |    |   | Hexadecanoic acid, 1,1-dimethyle... | 312 | C20H40O2 | 031158-91-5 | 96   |
| 3    |    |   | Hexadecanoic acid, 2-methylpropy... | 312 | C20H40O2 | 000110-34-9 | 89   |
| 4    |    |   | Nipecotic acid                      | 129 | C6H11NO2 | 000498-95-3 | 47   |
| 5    |    |   | Cyclohexanol, 4-amino-, trans-      | 115 | C6H13NO  | 027489-62-9 | 30   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082025\  
Data File : BP025515.D  
Acq On : 20 Aug 2025 20:30  
Operator : CG/JU  
Sample : Q2819-03  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
22BP-W

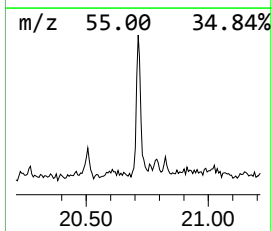
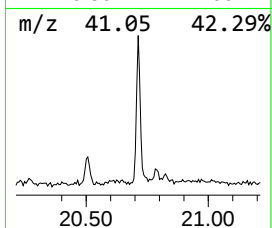
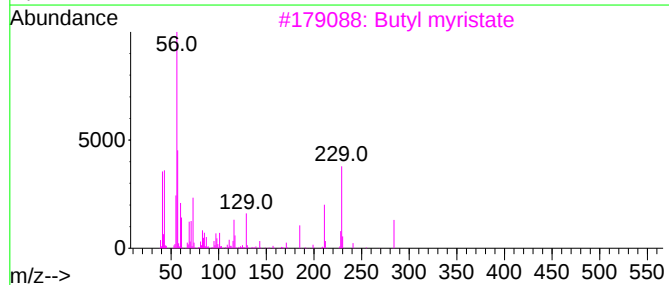
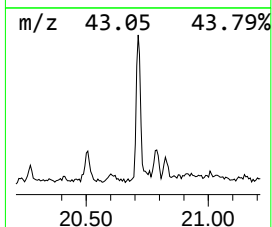
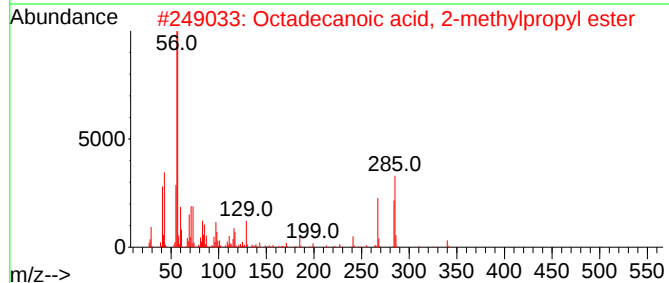
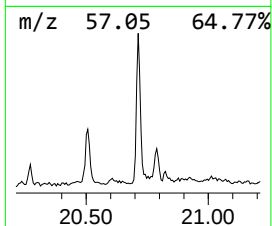
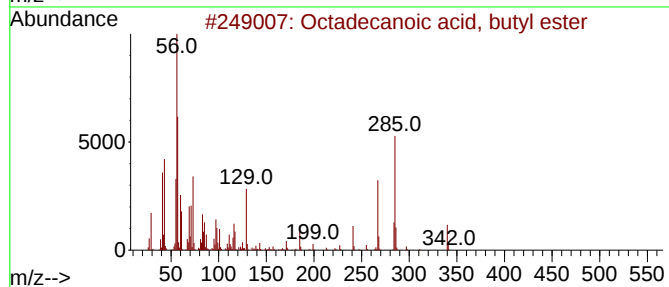
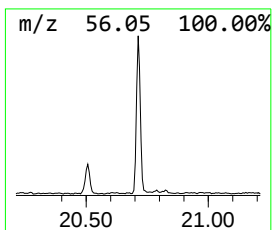
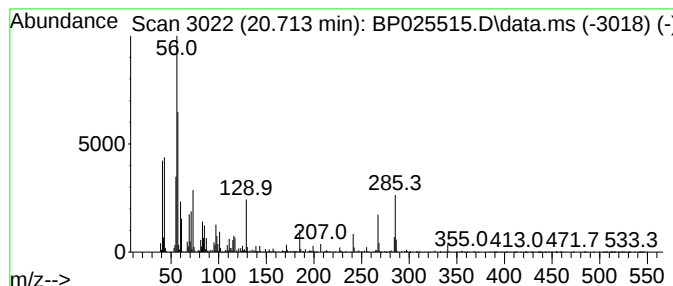
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 Octadecanoic acid, butyl ester Concentration Rank 7

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 20.713 | 5.10 ng | 529309 | Chrysene-d12     | 21.648 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Octadecanoic acid, butyl ester      | 340 | C22H44O2 | 000123-95-5  | 96   |
| 2    |    |   | Octadecanoic acid, 2-methylpropy... | 340 | C22H44O2 | 000646-13-9  | 89   |
| 3    |    |   | Butyl myristate                     | 284 | C18H36O2 | 000110-36-1  | 50   |
| 4    |    |   | Tetracosanoic acid, isobutyl ester  | 424 | C28H56O2 | 1010405-17-3 | 37   |
| 5    |    |   | Cyclopropane, 1-(1-methylethyl)-... | 210 | C15H30   | 041977-39-3  | 27   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082025\  
Data File : BP025515.D  
Acq On : 20 Aug 2025 20:30  
Operator : CG/JU  
Sample : Q2819-03  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
22BP-W

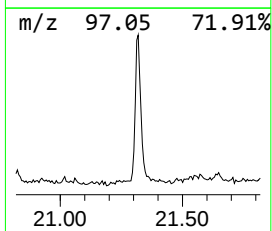
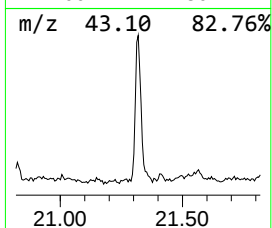
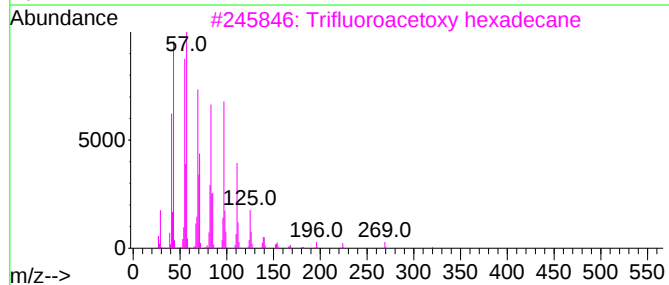
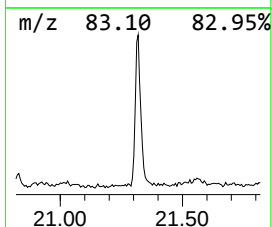
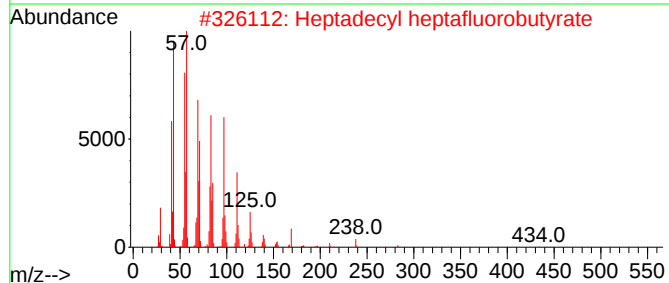
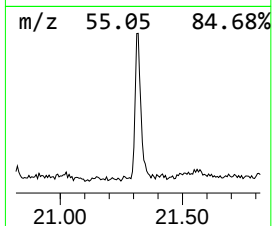
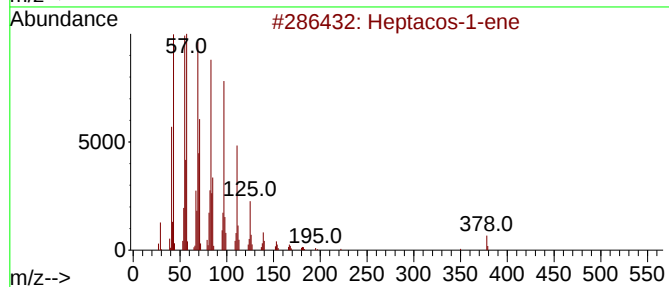
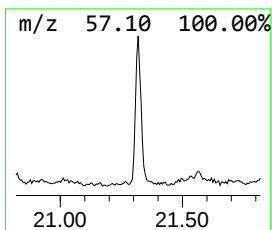
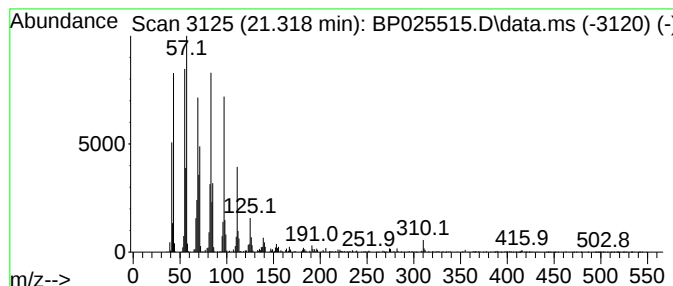
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 Heptacos-1-ene Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 21.318 | 6.01 ng | 623070 | Chrysene-d12     | 21.648 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm    | CAS#        | Qual |
|------|----|---|--------------------------------|-----|------------|-------------|------|
| 1    |    |   | Heptacos-1-ene                 | 378 | C27H54     | 015306-27-1 | 95   |
| 2    |    |   | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 94   |
| 3    |    |   | Trifluoroacetoxy hexadecane    | 338 | C18H33F3O2 | 006222-03-3 | 94   |
| 4    |    |   | n-Tetracosanol-1               | 354 | C24H50O    | 000506-51-4 | 94   |
| 5    |    |   | Pentacos-1-ene                 | 350 | C25H50     | 016980-85-1 | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082025\  
Data File : BP025515.D  
Acq On : 20 Aug 2025 20:30  
Operator : CG/JU  
Sample : Q2819-03  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
22BP-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081425.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 |
| Butane, 2-metho... | 3.043  | 29.2    | ng    | 1663630  | 1                     | 7.790  | 1140920 | 20.0 |
| 2-Pentanone, 4-... | 4.949  | 6.3     | ng    | 362403   | 1                     | 7.790  | 1140920 | 20.0 |
| Benzophenone       | 15.783 | 9.4     | ng    | 897783   | 3                     | 14.407 | 1909110 | 20.0 |
| n-Hexadecanoic ... | 18.142 | 5.3     | ng    | 545075   | 4                     | 17.213 | 2047430 | 20.0 |
| Octadecanoic acid  | 19.471 | 2.2     | ng    | 225832   | 5                     | 21.648 | 2074900 | 20.0 |
| Hexadecanoic ac... | 19.630 | 5.6     | ng    | 582744   | 5                     | 21.648 | 2074900 | 20.0 |
| Octadecanoic ac... | 20.713 | 5.1     | ng    | 529309   | 5                     | 21.648 | 2074900 | 20.0 |
| Heptacos-1-ene     | 21.318 | 6.0     | ng    | 623070   | 5                     | 21.648 | 2074900 | 20.0 |