

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050625\  
 Data File : BP024543.D  
 Acq On : 06 May 2025 12:23  
 Operator : RC/JU  
 Sample : Q1937-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 LARGE-PILE-A

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-BP041425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024543.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         | 4.869       | 299           | 303         | 312          | rBV      | 139629         | 200862        | 3.66%           | 0.614%        |
| 2         | 5.328       | 375           | 381         | 397          | rBV      | 1541838        | 2211148       | 40.33%          | 6.754%        |
| 3         | 6.893       | 640           | 647         | 672          | rBV      | 1340567        | 2276688       | 41.53%          | 6.954%        |
| 4         | 7.705       | 778           | 785         | 793          | rBV      | 504983         | 765519        | 13.96%          | 2.338%        |
| 5         | 8.852       | 971           | 980         | 996          | rBV      | 899863         | 1476992       | 26.94%          | 4.512%        |
| 6         | 10.481      | 1248          | 1257        | 1270         | rBV      | 595384         | 1031881       | 18.82%          | 3.152%        |
| 7         | 12.945      | 1669          | 1676        | 1686         | rBV      | 2218505        | 3393770       | 61.91%          | 10.367%       |
| 8         | 14.334      | 1905          | 1912        | 1926         | rBV      | 797219         | 1325827       | 24.18%          | 4.050%        |
| 9         | 14.928      | 2009          | 2013        | 2028         | rVB      | 20861          | 60248         | 1.10%           | 0.184%        |
| 10        | 15.298      | 2061          | 2076        | 2081         | rBV      | 368030         | 1016069       | 18.53%          | 3.104%        |
| 11        | 15.392      | 2088          | 2092        | 2097         | rVV2     | 122047         | 202464        | 3.69%           | 0.618%        |
| 12        | 15.439      | 2097          | 2100        | 2112         | rVB      | 116355         | 262351        | 4.79%           | 0.801%        |
| 13        | 15.616      | 2126          | 2130        | 2136         | rVB3     | 36779          | 70694         | 1.29%           | 0.216%        |
| 14        | 15.710      | 2141          | 2146        | 2152         | rVV      | 393398         | 543003        | 9.91%           | 1.659%        |
| 15        | 15.845      | 2163          | 2169        | 2188         | rBV      | 2030440        | 2983103       | 54.42%          | 9.112%        |
| 16        | 17.133      | 2382          | 2388        | 2403         | rBV2     | 1003119        | 1551724       | 28.31%          | 4.740%        |
| 17        | 18.075      | 2541          | 2548        | 2571         | rBV      | 1162543        | 2112853       | 38.54%          | 6.454%        |
| 18        | 18.369      | 2594          | 2598        | 2603         | rBV4     | 34577          | 54913         | 1.00%           | 0.168%        |
| 19        | 19.398      | 2769          | 2773        | 2794         | rBV      | 427557         | 843439        | 15.39%          | 2.576%        |
| 20        | 19.674      | 2817          | 2820        | 2826         | rVB2     | 94953          | 121231        | 2.21%           | 0.370%        |
| 21        | 19.857      | 2845          | 2851        | 2861         | rBV      | 4286841        | 5482087       | 100.00%         | 16.746%       |
| 22        | 20.486      | 2953          | 2958        | 2964         | rBV      | 112251         | 179577        | 3.28%           | 0.549%        |
| 23        | 21.216      | 3077          | 3082        | 3085         | rBV      | 141947         | 233039        | 4.25%           | 0.712%        |
| 24        | 21.574      | 3137          | 3143        | 3152         | rBV2     | 1069090        | 1968202       | 35.90%          | 6.012%        |
| 25        | 24.910      | 3701          | 3710        | 3724         | rVB2     | 880501         | 2369636       | 43.23%          | 7.238%        |

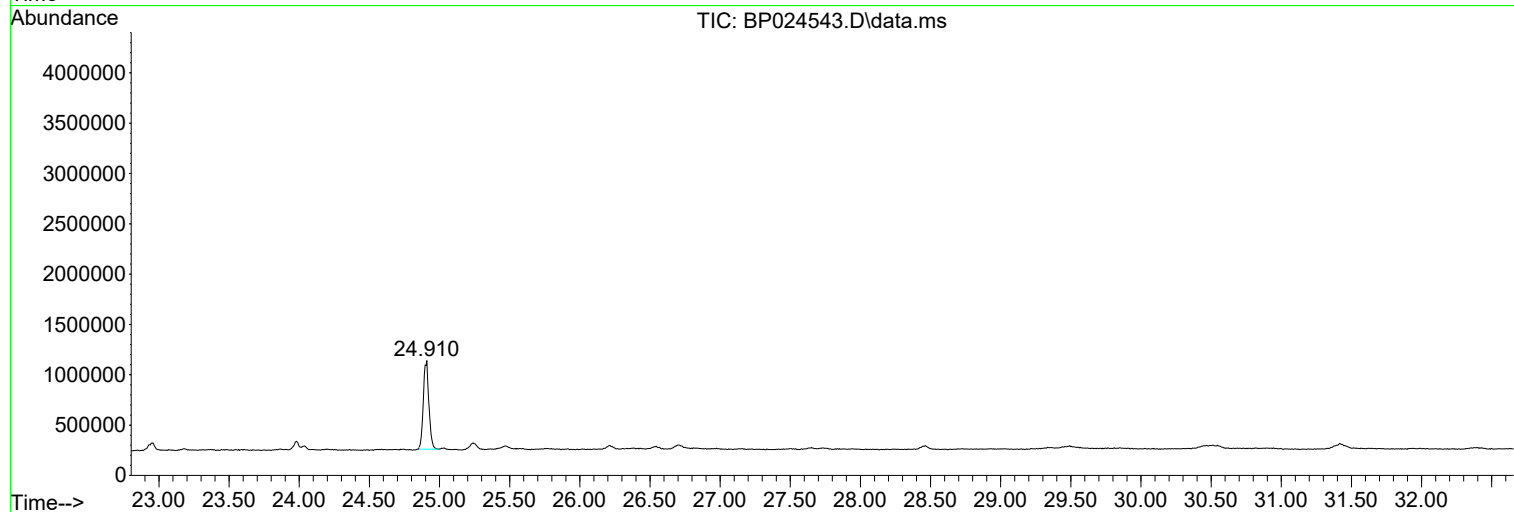
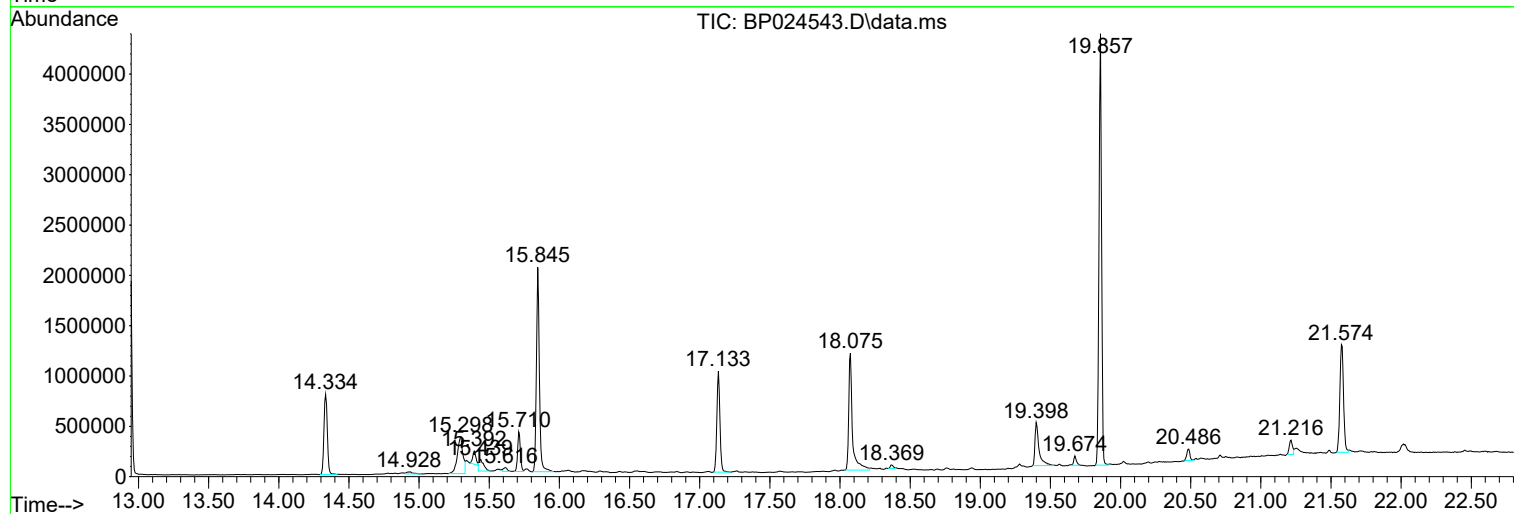
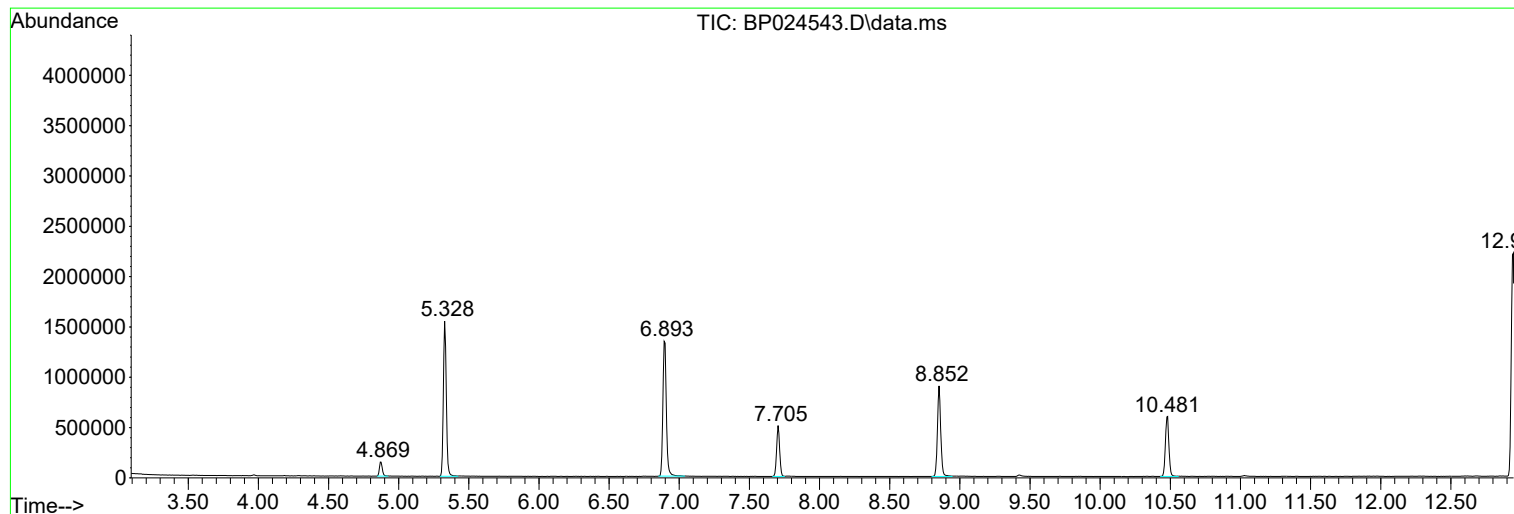
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BNA\_P  
ClientSampleId :  
LARGE-PILE-A

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP041425.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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Sample : Q1937-01  
Misc :  
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Instrument :  
BNA\_P  
ClientSampleId :  
LARGE-PILE-A

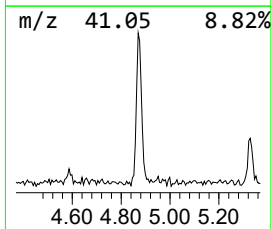
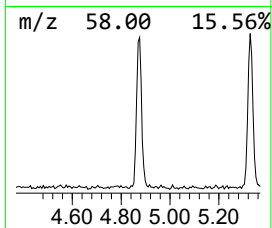
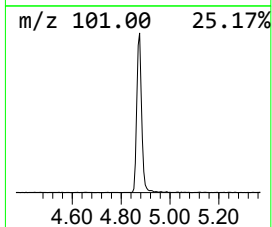
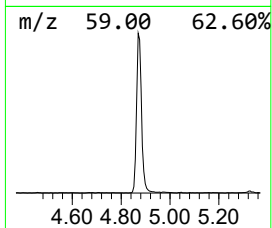
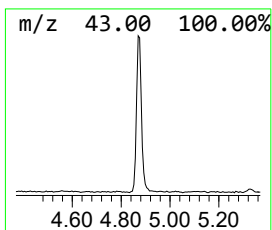
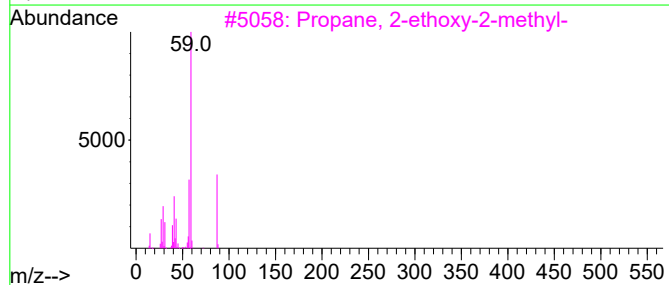
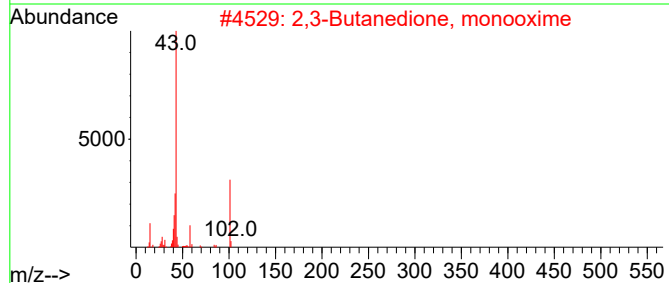
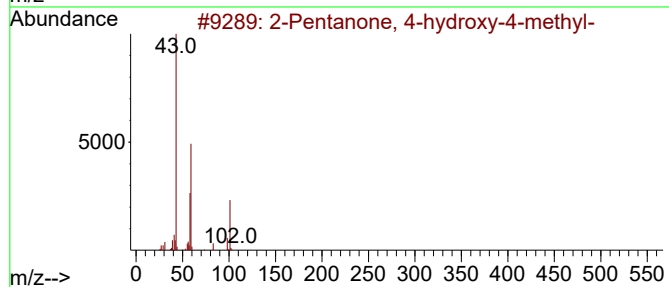
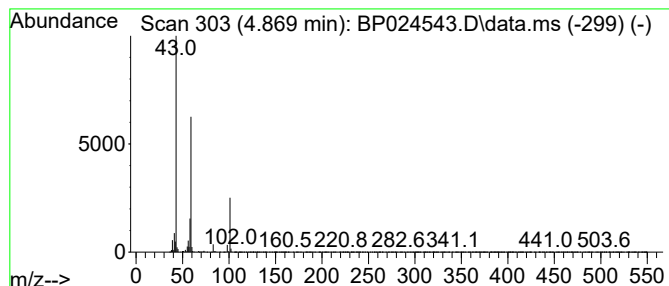
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP041425.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T.      | EstConc                             | Area   | Relative to ISTD       |          | R.T.        |      |
|-----------|-------------------------------------|--------|------------------------|----------|-------------|------|
| 4.869     | 5.25 ng                             | 200862 | 1,4-Dichlorobenzene-d4 |          | 7.705       |      |
| Hit# of 5 | Tentative ID                        |        | MW                     | MolForm  | CAS#        | Qual |
| 1         | 2-Pentanone, 4-hydroxy-4-methyl-    |        | 116                    | C6H12O2  | 000123-42-2 | 56   |
| 2         | 2,3-Butanedione, monooxime          |        | 101                    | C4H7NO2  | 000057-71-6 | 25   |
| 3         | Propane, 2-ethoxy-2-methyl-         |        | 102                    | C6H14O   | 000637-92-3 | 17   |
| 4         | Acetic acid, cyano-, 1,1-dimethy... |        | 141                    | C7H11NO2 | 001116-98-9 | 17   |
| 5         | 1-Propen-2-ol, acetate              |        | 100                    | C5H8O2   | 000108-22-5 | 10   |



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ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
LARGE-PILE-A

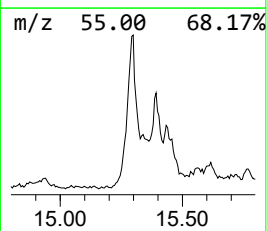
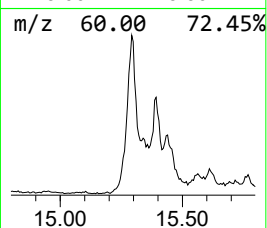
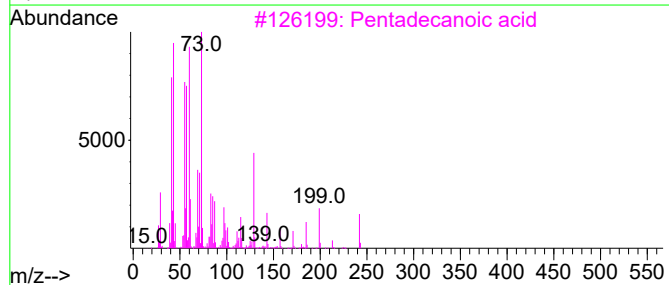
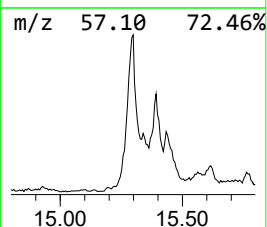
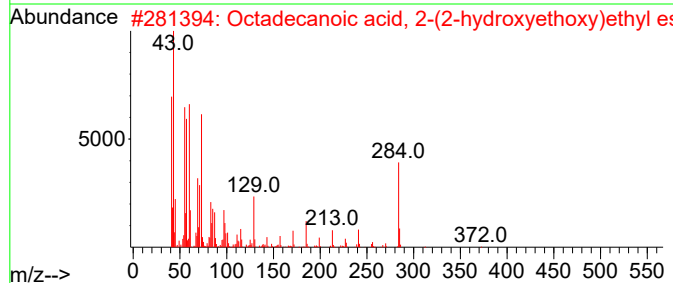
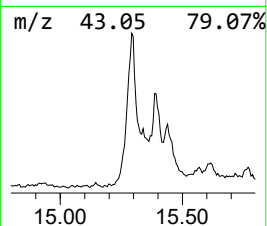
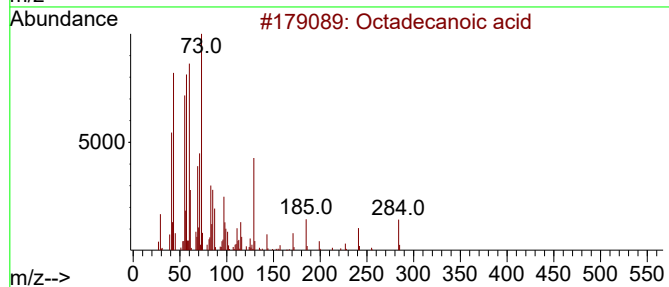
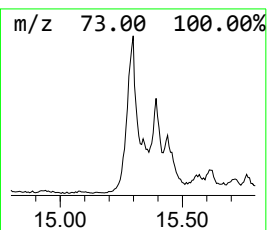
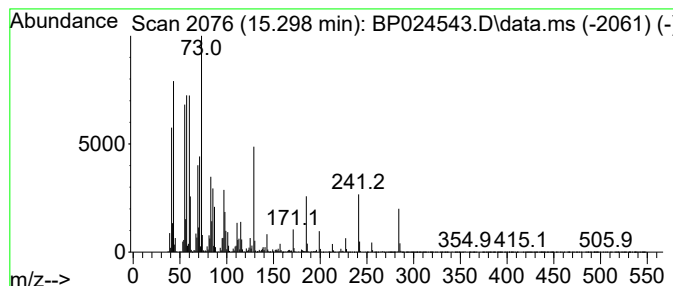
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP041425.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Octadecanoic acid Concentration Rank 2

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 15.298 | 15.33 ng | 1016070 | Acenaphthene-d10 | 14.334 |

| 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  | 91   |
| 3    |    |   | Pentadecanoic acid                  | 242 | C15H30O2 | 001002-84-2  | 70   |
| 4    |    |   | Tetradecanoic acid                  | 228 | C14H28O2 | 000544-63-8  | 58   |
| 5    |    |   | n-Decyl .alpha.-d-2-deoxyglucoside  | 304 | C16H32O5 | 1000211-42-8 | 43   |



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Sample : Q1937-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
LARGE-PILE-A

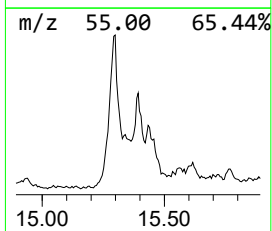
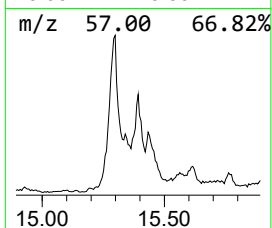
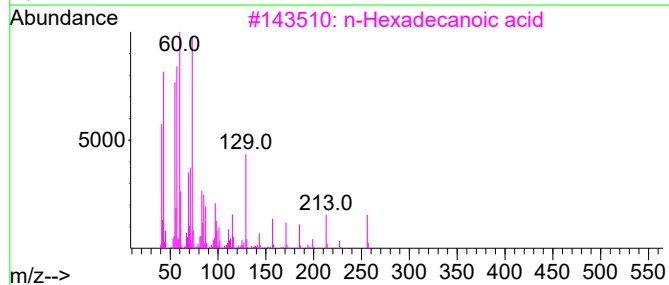
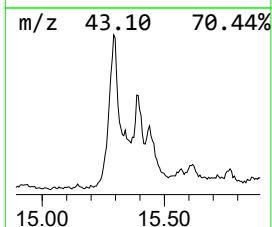
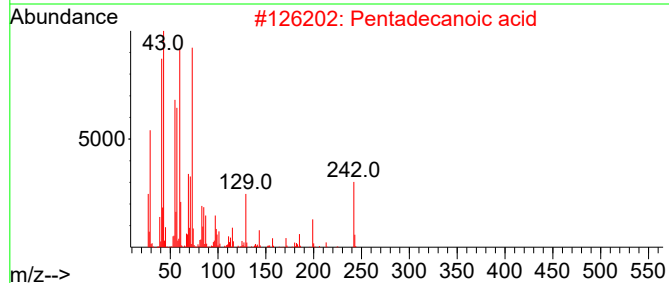
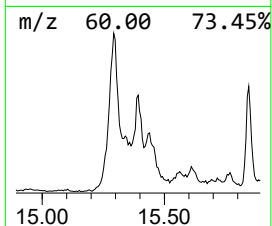
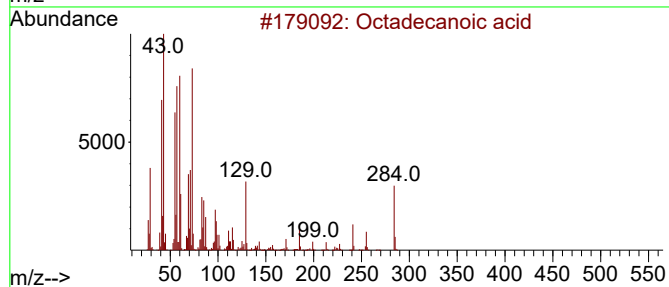
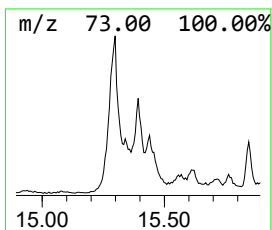
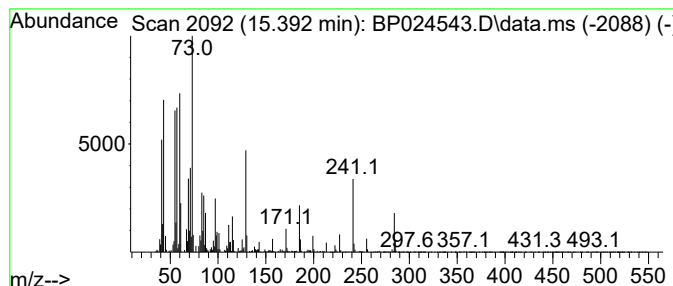
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP041425.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Pentadecanoic acid Concentration Rank 7

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.392 | 3.05 ng | 202464 | Acenaphthene-d10 | 14.334 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 95   |
| 2    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 76   |
| 3    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 74   |
| 4    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 58   |
| 5    |    |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 58   |



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BNA\_P  
ClientSampleId :  
LARGE-PILE-A

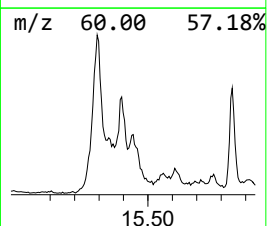
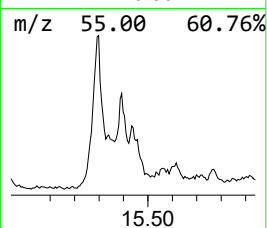
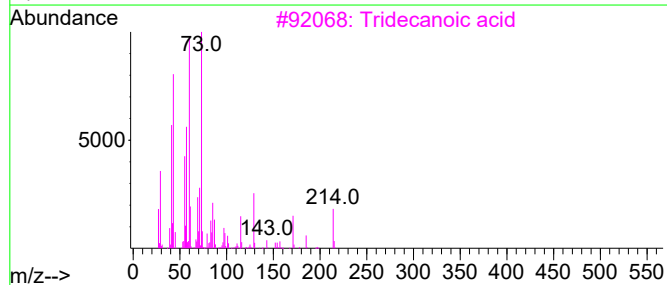
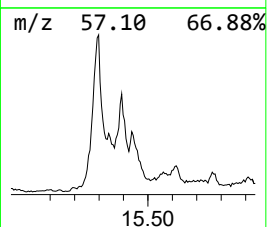
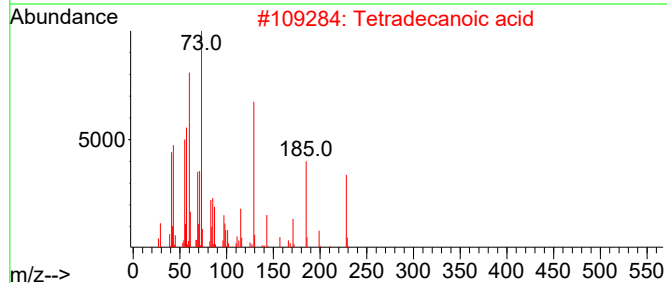
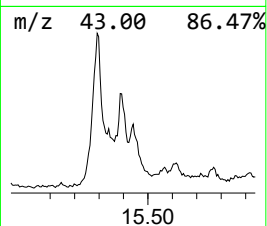
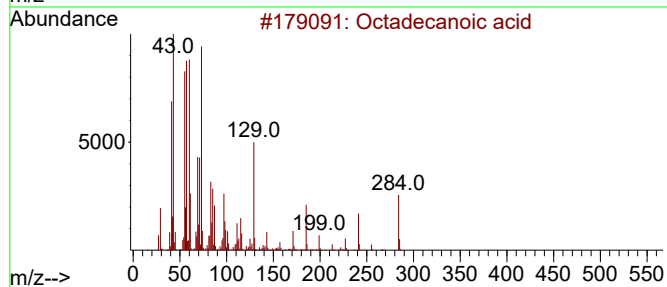
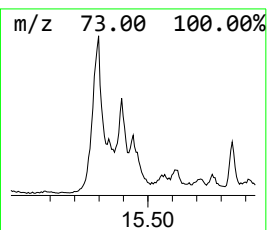
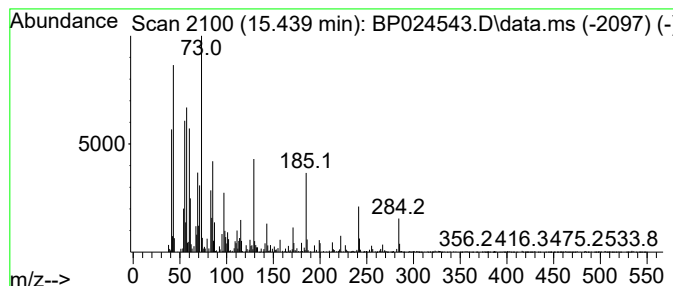
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TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown15.439 Concentration Rank 6

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.439 | 3.96 ng | 262351 | Acenaphthene-d10 | 14.334 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 98   |
| 2    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 49   |
| 3    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 49   |
| 4    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 38   |
| 5    |    |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 30   |



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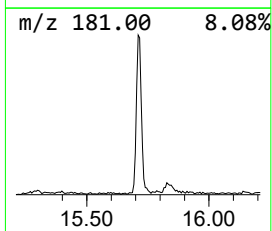
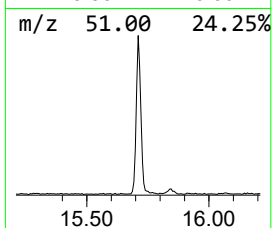
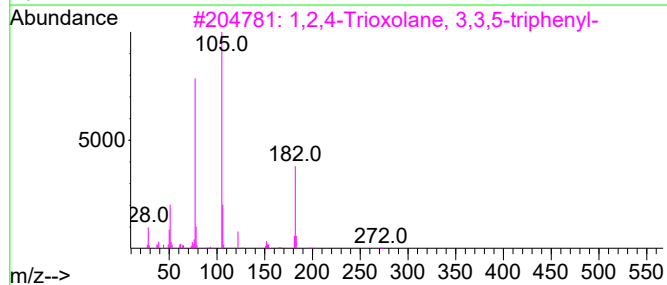
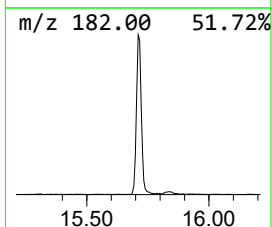
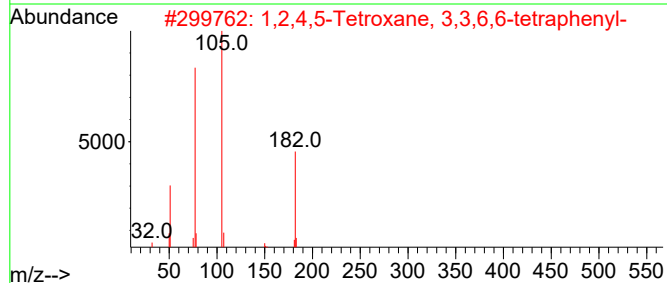
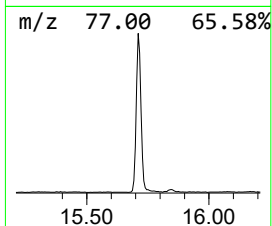
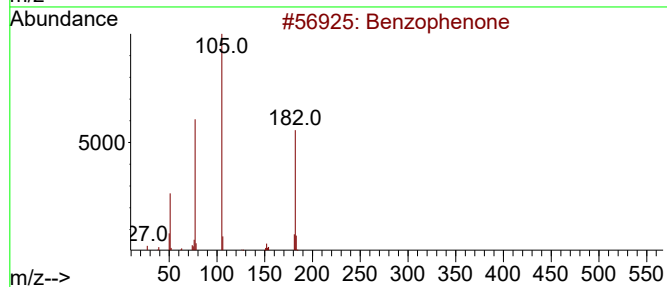
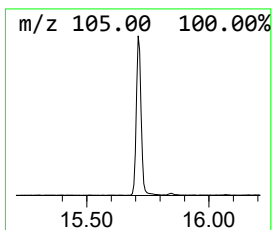
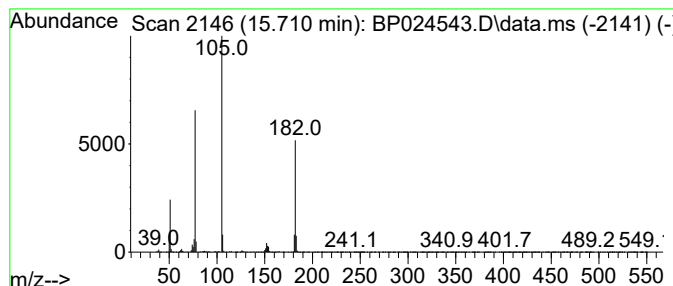
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 Benzophenone Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.710 | 8.19 ng | 543003 | Acenaphthene-d10 | 14.334 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Benzophenone                        | 182 | C13H10O  | 000119-61-9 | 96   |
| 2    |    |   | 1,2,4,5-Tetroxane, 3,3,6,6-tetra... | 396 | C26H20O4 | 016204-36-7 | 64   |
| 3    |    |   | 1,2,4-Trioxolane, 3,3,5-triphenyl-  | 304 | C20H16O3 | 023246-12-0 | 64   |
| 4    |    |   | Methanone, phenyl-2-pyridinyl-      | 183 | C12H9NO  | 000091-02-1 | 56   |
| 5    |    |   | Azobenzene                          | 182 | C12H10N2 | 000103-33-3 | 45   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050625\  
Data File : BP024543.D  
Acq On : 06 May 2025 12:23  
Operator : RC/JU  
Sample : Q1937-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

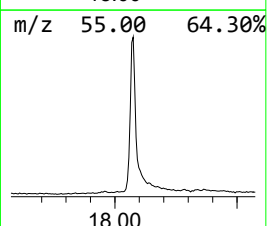
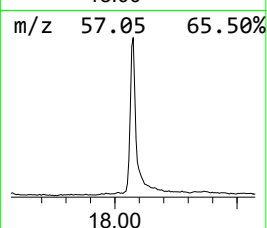
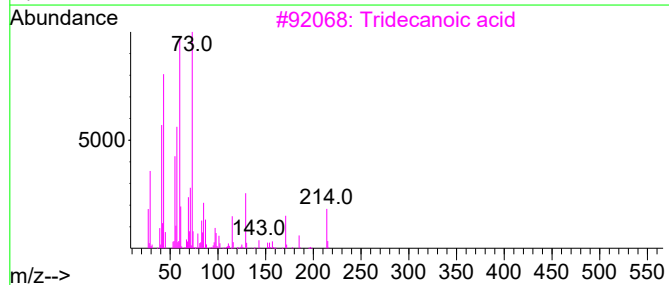
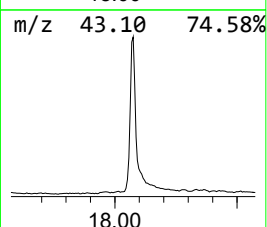
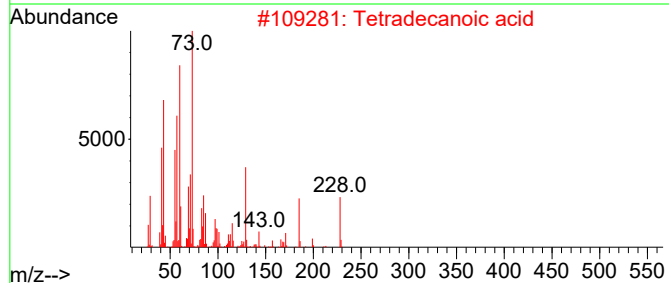
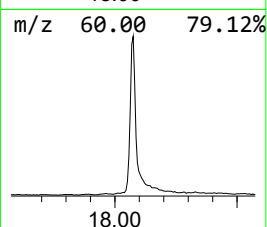
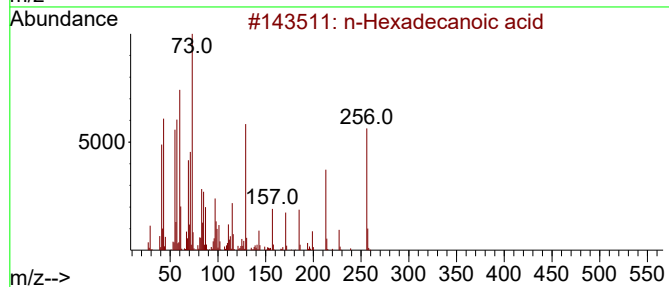
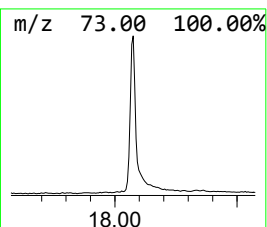
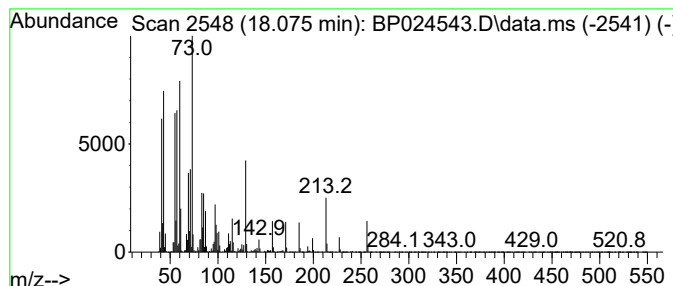
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BNA\_P  
ClientSampleId :  
LARGE-PILE-A

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP041425.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 6 n-Hexadecanoic acid Concentration Rank 1

| R.T.      | EstConc             | Area    | Relative to ISTD |          | R.T.        |      |
|-----------|---------------------|---------|------------------|----------|-------------|------|
| 18.075    | 27.23 ng            | 2112850 | Phenanthrene-d10 |          | 17.133      |      |
| Hit# of 5 | Tentative ID        |         | MW               | MolForm  | CAS#        | Qual |
| 1         | n-Hexadecanoic acid |         | 256              | C16H32O2 | 000057-10-3 | 99   |
| 2         | Tetradecanoic acid  |         | 228              | C14H28O2 | 000544-63-8 | 93   |
| 3         | Tridecanoic acid    |         | 214              | C13H26O2 | 000638-53-9 | 91   |
| 4         | Pentadecanoic acid  |         | 242              | C15H30O2 | 001002-84-2 | 91   |
| 5         | n-Decanoic acid     |         | 172              | C10H20O2 | 000334-48-5 | 76   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050625\  
Data File : BP024543.D  
Acq On : 06 May 2025 12:23  
Operator : RC/JU  
Sample : Q1937-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
LARGE-PILE-A

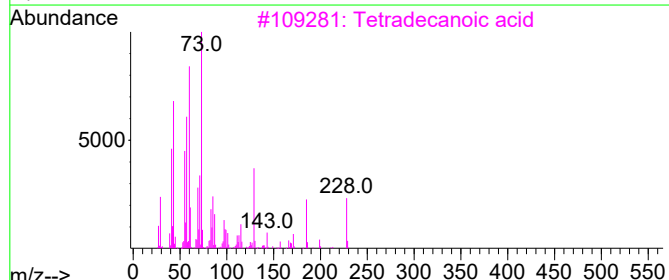
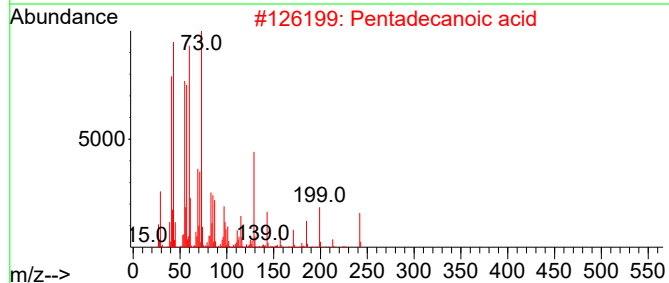
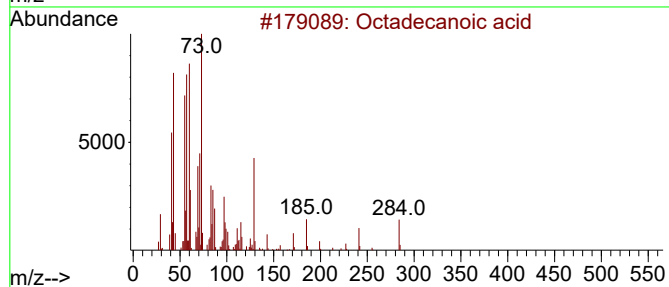
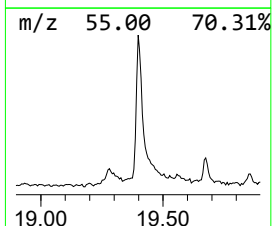
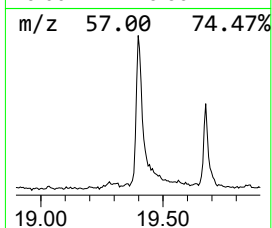
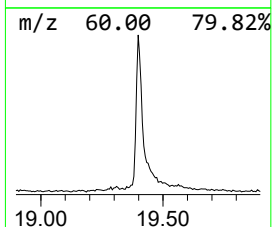
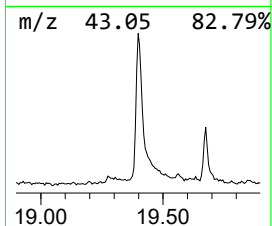
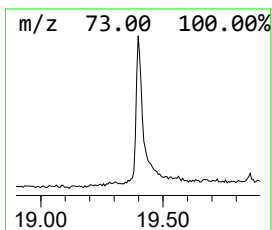
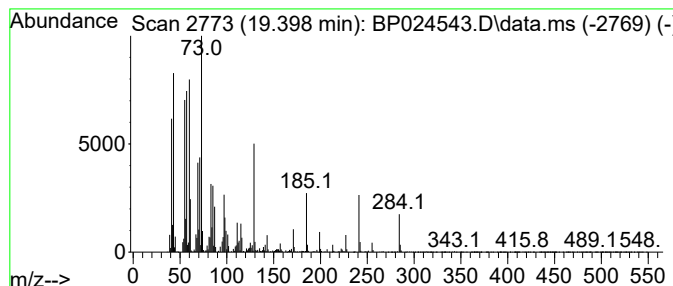
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 Tetradecanoic acid Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 19.398 | 8.57 ng | 843439 | Chrysene-d12     | 21.574 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 93   |
| 3    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 83   |
| 4    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 72   |
| 5    |    |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 70   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050625\  
Data File : BP024543.D  
Acq On : 06 May 2025 12:23  
Operator : RC/JU  
Sample : Q1937-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
LARGE-PILE-A

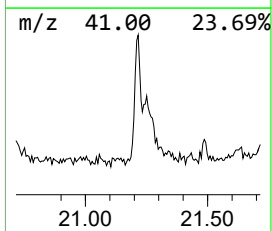
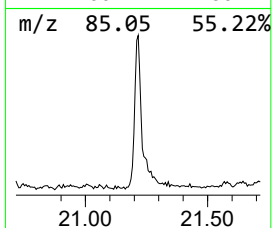
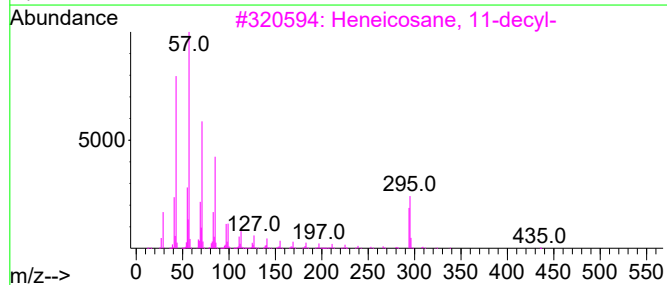
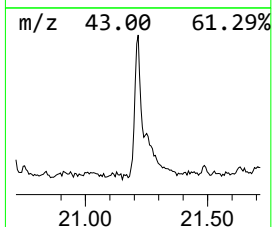
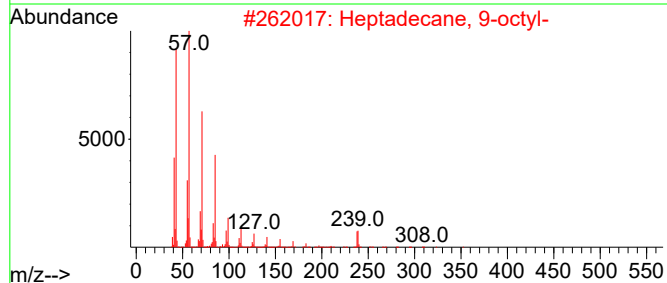
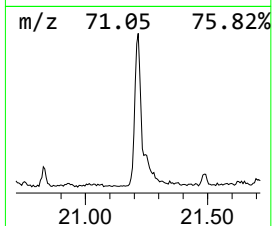
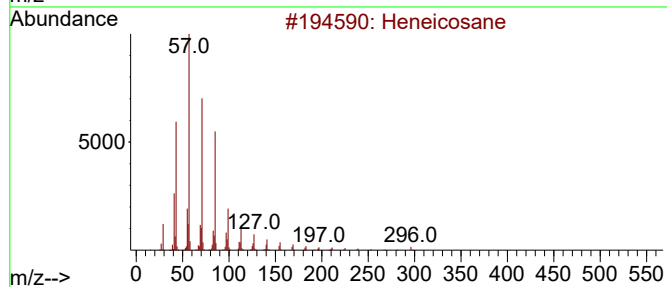
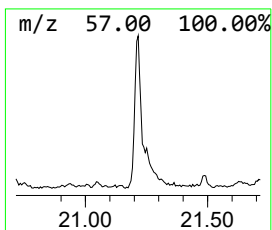
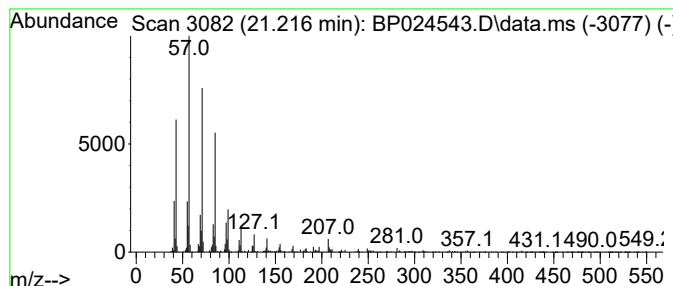
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 Heneicosane Concentration Rank 8

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 21.216 | 2.37 ng | 233039 | Chrysene-d12     | 21.574 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Heneicosane            | 296 | C21H44  | 000629-94-7 | 96   |
| 2    |    |   | Heptadecane, 9-octyl-  | 352 | C25H52  | 007225-64-1 | 93   |
| 3    |    |   | Heneicosane, 11-decyl- | 437 | C31H64  | 055320-06-4 | 93   |
| 4    |    |   | Tetracosane            | 338 | C24H50  | 000646-31-1 | 91   |
| 5    |    |   | Octacosane, 2-methyl-  | 408 | C29H60  | 001560-98-1 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050625\  
Data File : BP024543.D  
Acq On : 06 May 2025 12:23  
Operator : RC/JU  
Sample : Q1937-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
LARGE-PILE-A

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP041425.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 |
| 2-Pentanone, 4-... | 4.869  | 5.3     | ng    | 200862   | 1                     | 7.705  | 765519  | 20.0 |
| Octadecanoic acid  | 15.298 | 15.3    | ng    | 1016070  | 3                     | 14.334 | 1325830 | 20.0 |
| Pentadecanoic acid | 15.392 | 3.0     | ng    | 202464   | 3                     | 14.334 | 1325830 | 20.0 |
| unknown15.439      | 15.439 | 4.0     | ng    | 262351   | 3                     | 14.334 | 1325830 | 20.0 |
| Benzophenone       | 15.710 | 8.2     | ng    | 543003   | 3                     | 14.334 | 1325830 | 20.0 |
| n-Hexadecanoic ... | 18.075 | 27.2    | ng    | 2112850  | 4                     | 17.133 | 1551720 | 20.0 |
| Tetradecanoic acid | 19.398 | 8.6     | ng    | 843439   | 5                     | 21.574 | 1968200 | 20.0 |
| Heneicosane        | 21.216 | 2.4     | ng    | 233039   | 5                     | 21.574 | 1968200 | 20.0 |