

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081925\  
 Data File : BP025484.D  
 Acq On : 19 Aug 2025 20:21  
 Operator : CG/JU  
 Sample : Q2815-14  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 TW-22M-N

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: BP025484.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          | 40           | rVB      | 2865259        | 3994236       | 54.55%          | 8.642%        |
| 2         | 4.949       | 336           | 342         | 352          | rVB      | 296309         | 427358        | 5.84%           | 0.925%        |
| 3         | 5.408       | 413           | 420         | 432          | rBV      | 1745632        | 2553970       | 34.88%          | 5.526%        |
| 4         | 6.967       | 677           | 685         | 701          | rBV      | 1375201        | 2282300       | 31.17%          | 4.938%        |
| 5         | 7.790       | 818           | 825         | 833          | rBV      | 645108         | 1014977       | 13.86%          | 2.196%        |
| 6         | 8.925       | 1010          | 1018        | 1038         | rBV      | 1279817        | 2163482       | 29.55%          | 4.681%        |
| 7         | 10.055      | 1203          | 1210        | 1219         | rBV      | 51900          | 95513         | 1.30%           | 0.207%        |
| 8         | 10.560      | 1286          | 1296        | 1309         | rBV      | 800139         | 1402911       | 19.16%          | 3.035%        |
| 9         | 13.019      | 1704          | 1714        | 1727         | rBV      | 3174525        | 4944206       | 67.53%          | 10.697%       |
| 10        | 14.401      | 1938          | 1949        | 1960         | rBV      | 1306927        | 1947670       | 26.60%          | 4.214%        |
| 11        | 15.778      | 2176          | 2183        | 2190         | rBV      | 564010         | 781784        | 10.68%          | 1.691%        |
| 12        | 15.907      | 2198          | 2205        | 2214         | rBV      | 2987710        | 4233851       | 57.83%          | 9.160%        |
| 13        | 17.184      | 2416          | 2422        | 2432         | rBV2     | 1638810        | 2373082       | 32.41%          | 5.134%        |
| 14        | 18.137      | 2578          | 2584        | 2592         | rBV      | 780006         | 1136396       | 15.52%          | 2.459%        |
| 15        | 19.307      | 2779          | 2783        | 2785         | rBV      | 100032         | 138566        | 1.89%           | 0.300%        |
| 16        | 19.366      | 2790          | 2793        | 2802         | rVB2     | 116478         | 178443        | 2.44%           | 0.386%        |
| 17        | 19.460      | 2805          | 2809        | 2819         | rBV      | 265901         | 407234        | 5.56%           | 0.881%        |
| 18        | 19.619      | 2832          | 2836        | 2840         | rBV      | 211746         | 265364        | 3.62%           | 0.574%        |
| 19        | 19.736      | 2853          | 2856        | 2862         | rVB      | 106704         | 127121        | 1.74%           | 0.275%        |
| 20        | 19.913      | 2881          | 2886        | 2893         | rBV      | 4801757        | 7321714       | 100.00%         | 15.841%       |
| 21        | 20.260      | 2942          | 2945        | 2950         | rVB      | 109016         | 132595        | 1.81%           | 0.287%        |
| 22        | 20.495      | 2982          | 2985        | 2989         | rVB2     | 72295          | 78028         | 1.07%           | 0.169%        |
| 23        | 20.713      | 3019          | 3022        | 3026         | rBV      | 177955         | 174742        | 2.39%           | 0.378%        |
| 24        | 20.778      | 3030          | 3033        | 3037         | rVB      | 210288         | 223151        | 3.05%           | 0.483%        |
| 25        | 20.966      | 3062          | 3065        | 3072         | rVB4     | 65324          | 77314         | 1.06%           | 0.167%        |
| 26        | 21.307      | 3118          | 3123        | 3132         | rBV2     | 594479         | 1097366       | 14.99%          | 2.374%        |
| 27        | 21.625      | 3171          | 3177        | 3185         | rBV      | 1648350        | 2707508       | 36.98%          | 5.858%        |
| 28        | 21.895      | 3219          | 3223        | 3233         | rVB      | 238300         | 358220        | 4.89%           | 0.775%        |
| 29        | 22.554      | 3329          | 3335        | 3343         | rVB4     | 206892         | 442798        | 6.05%           | 0.958%        |
| 30        | 23.295      | 3458          | 3461        | 3471         | rVB2     | 150422         | 277767        | 3.79%           | 0.601%        |
| 31        | 24.995      | 3741          | 3750        | 3764         | rVB      | 1068873        | 2861576       | 39.08%          | 6.191%        |

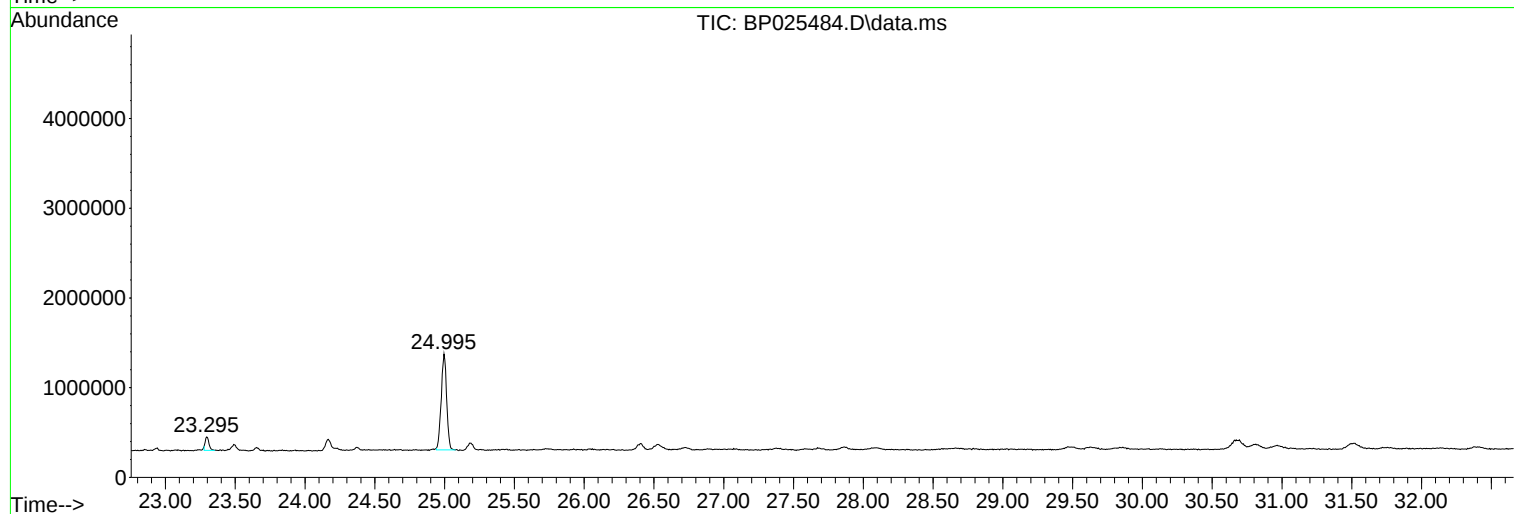
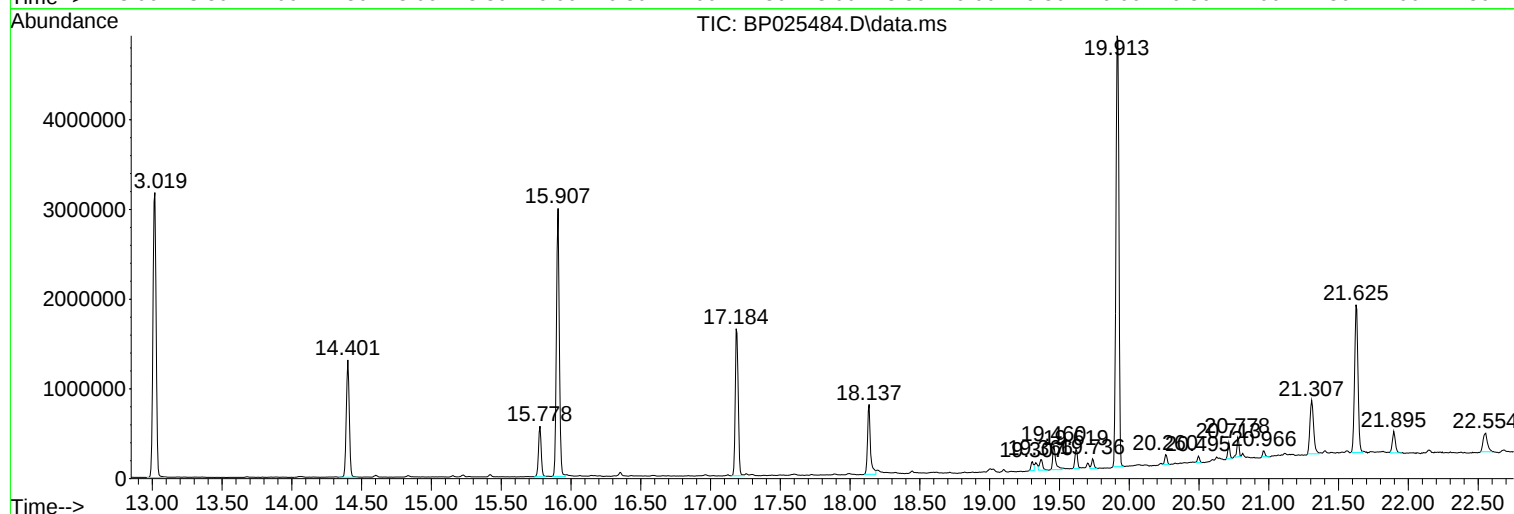
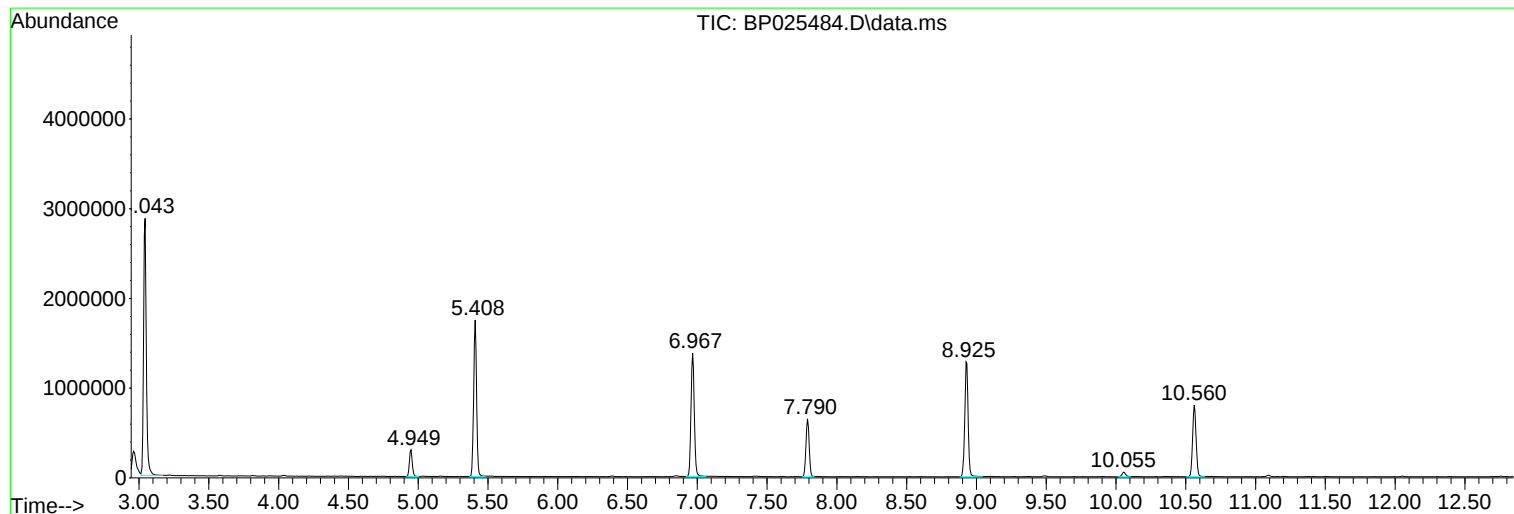
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ALS Vial : 16 Sample Multiplier: 1

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BNA\_P  
ClientSampleId :  
TW-22M-N

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081925\  
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ClientSampleId :  
TW-22M-N

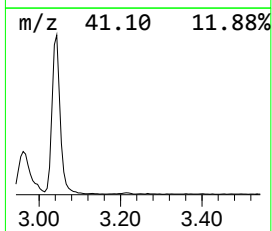
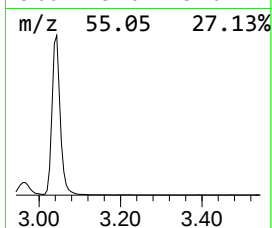
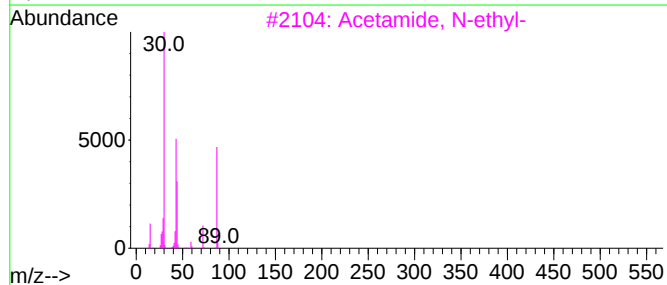
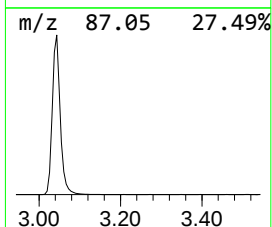
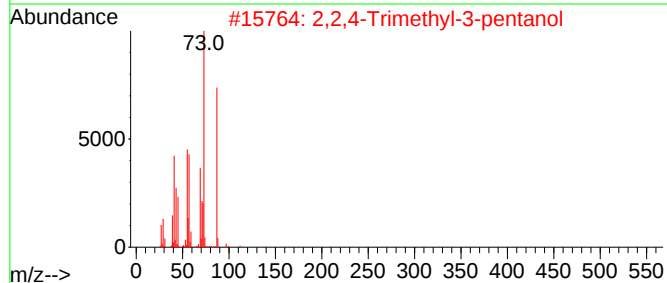
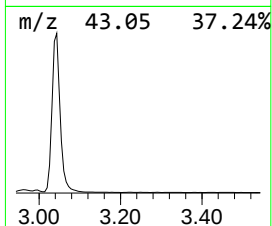
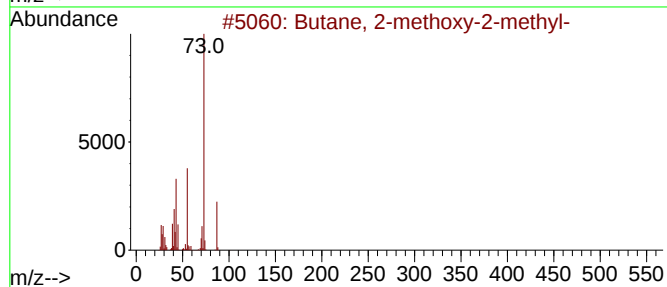
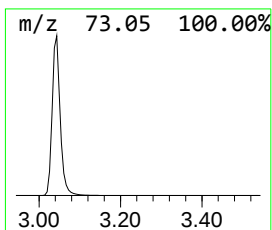
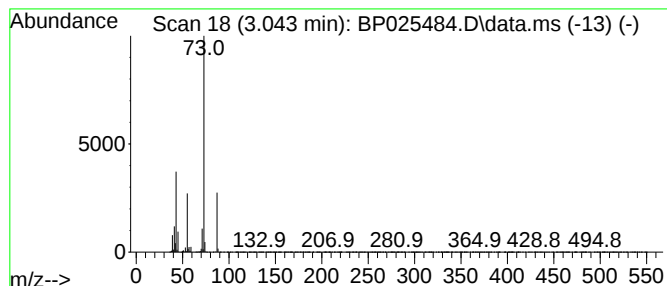
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T.  | EstConc  | Area    | Relative to ISTD       | R.T.  |
|-------|----------|---------|------------------------|-------|
| 3.043 | 78.71 ng | 3994240 | 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    |    |   | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 22   |
| 4    |    |   | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 17   |
| 5    |    |   | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |



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

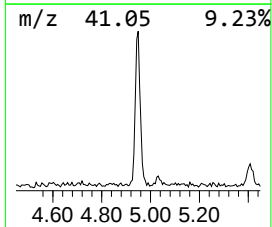
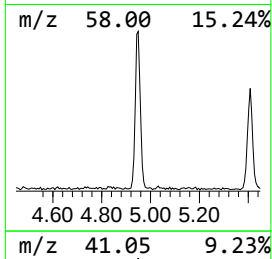
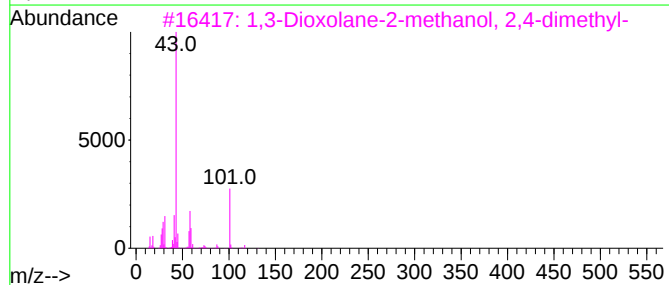
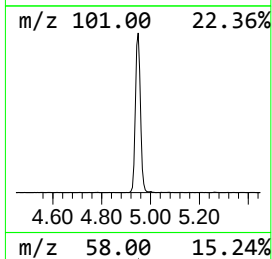
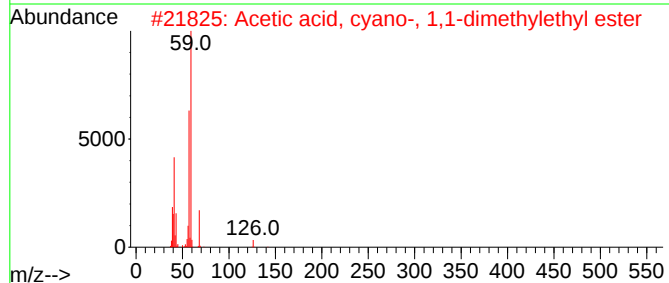
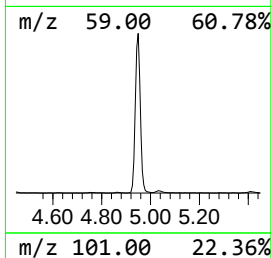
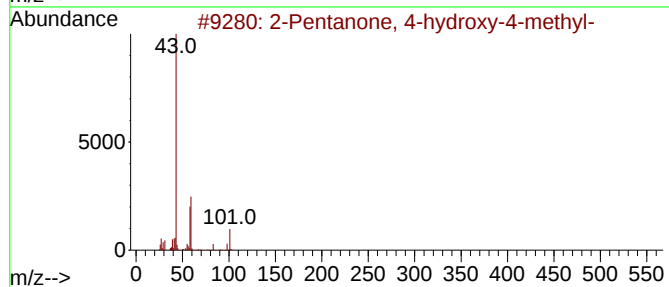
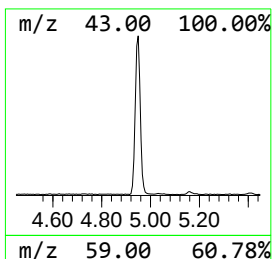
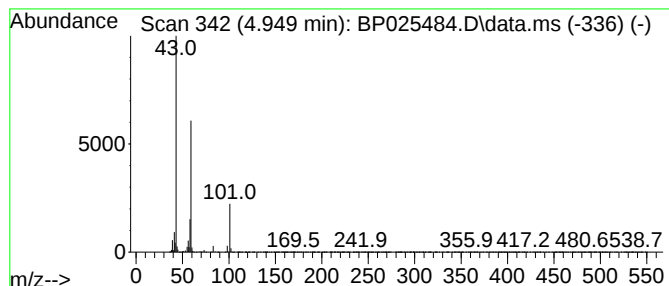
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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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 | 8.42 ng | 427358 | 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 | 64   |
| 2    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 32   |
| 3    |    |   | 1,3-Dioxolane-2-methanol, 2,4-di... | 132 | C6H12O3  | 053951-43-2 | 25   |
| 4    |    |   | 4-Hydroxy-3-hexanone                | 116 | C6H12O2  | 004984-85-4 | 23   |
| 5    |    |   | 1-Propen-2-ol, acetate              | 100 | C5H8O2   | 000108-22-5 | 10   |



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ALS Vial : 16 Sample Multiplier: 1

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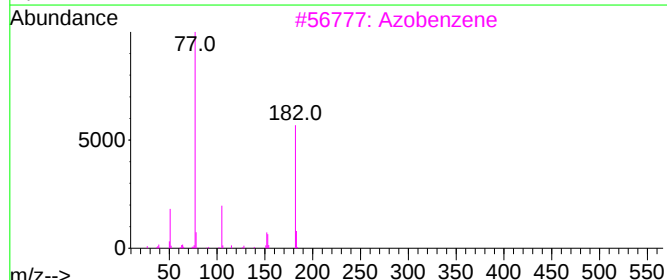
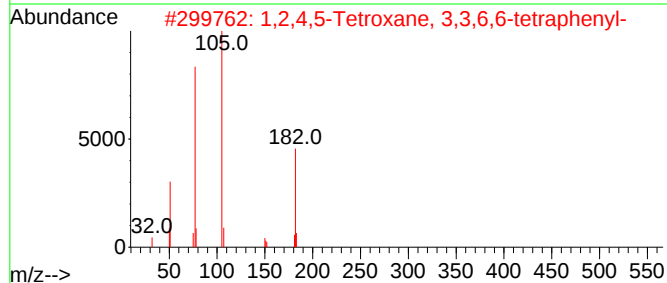
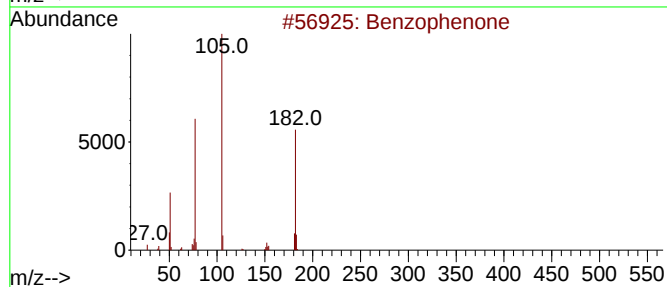
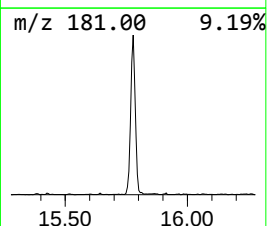
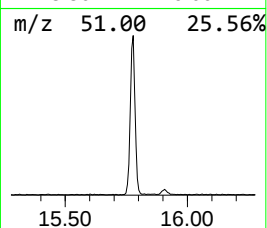
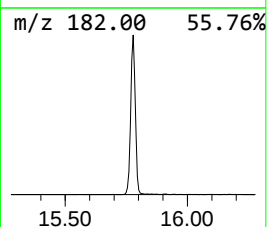
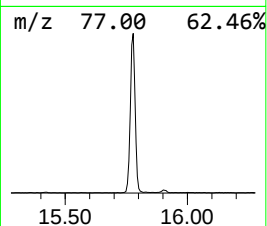
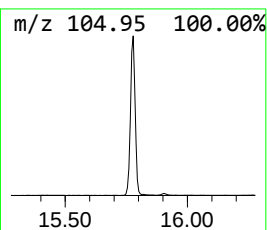
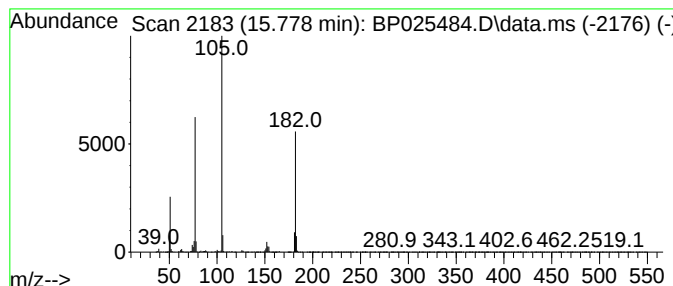
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081425.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Benzophenone Concentration Rank 5

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.778 | 8.03 ng | 781784 | Acenaphthene-d10 | 14.401 |

| 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 | 78   |
| 3    |    |   | Azobenzene                          | 182 | C12H10N2 | 000103-33-3 | 64   |
| 4    |    |   | 1,2,4-Trioxolane, 3,3,5-triphenyl-  | 304 | C20H16O3 | 023246-12-0 | 45   |
| 5    |    |   | Benzenamine, N-(3-pyridinylmethy... | 182 | C12H10N2 | 029722-97-2 | 42   |



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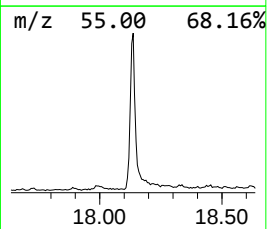
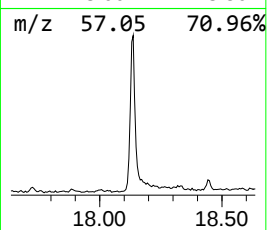
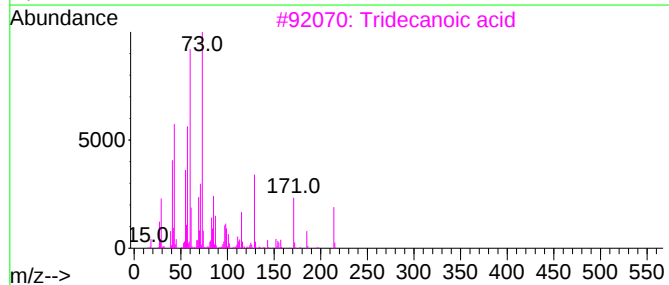
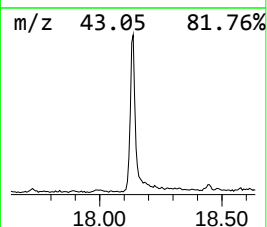
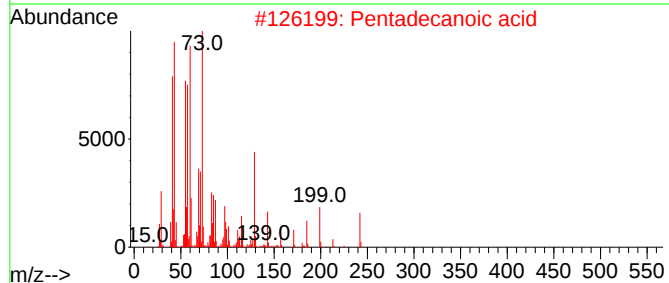
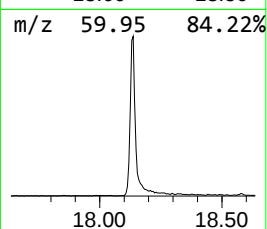
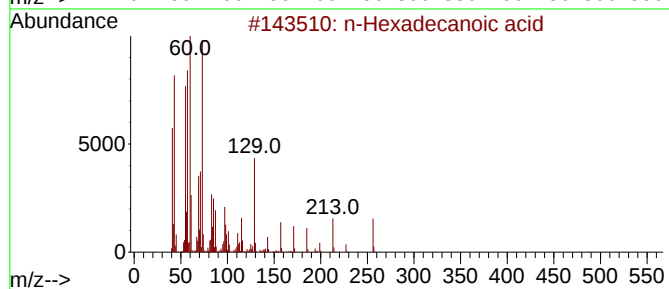
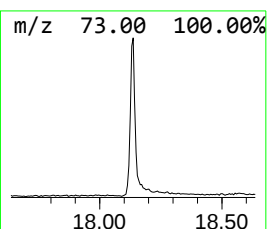
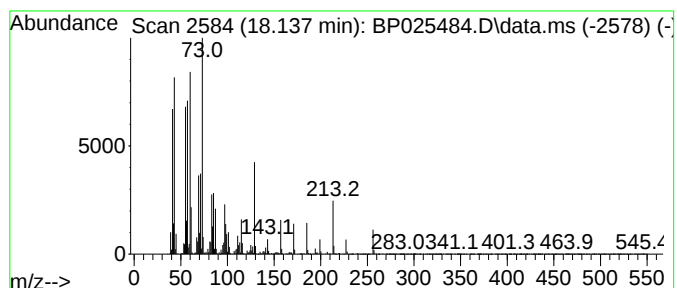
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TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

| R.T.      | EstConc             | Area    | Relative to ISTD | R.T.        |      |
|-----------|---------------------|---------|------------------|-------------|------|
| 18.137    | 9.58 ng             | 1136400 | Phenanthrene-d10 | 17.184      |      |
| 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 | 91   |
| 4         | Undecanoic acid     | 186     | C11H22O2         | 000112-37-8 | 81   |
| 5         | Tetradecanoic acid  | 228     | C14H28O2         | 000544-63-8 | 76   |



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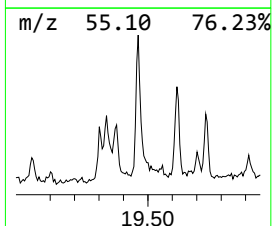
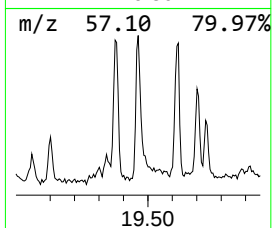
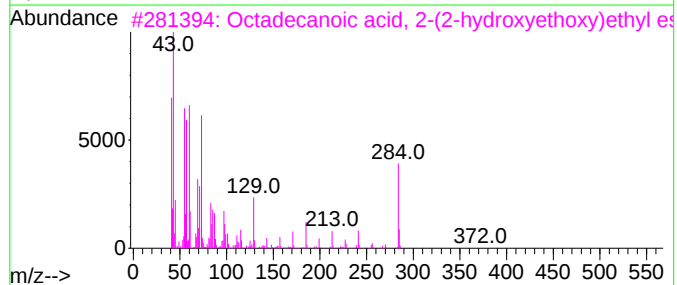
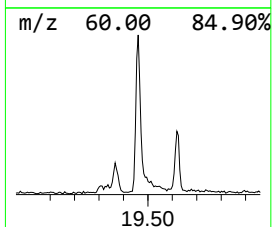
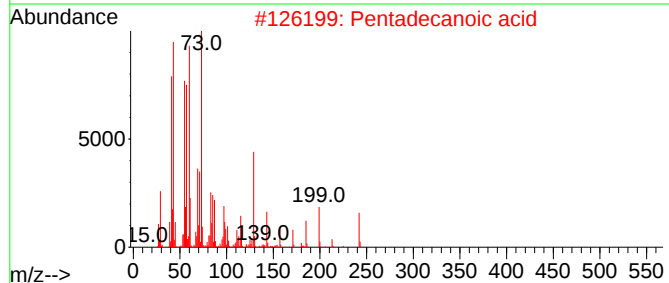
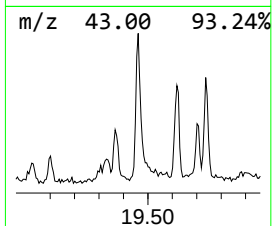
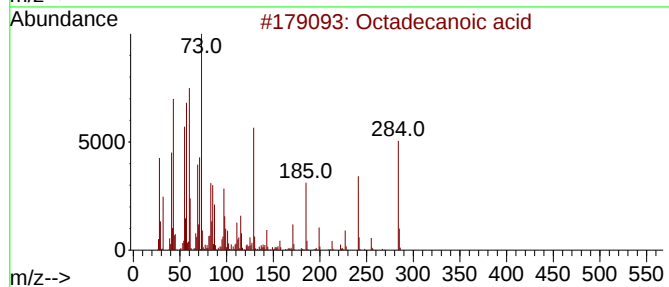
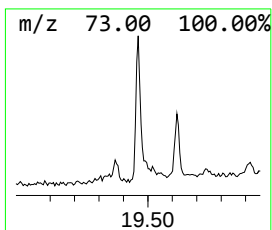
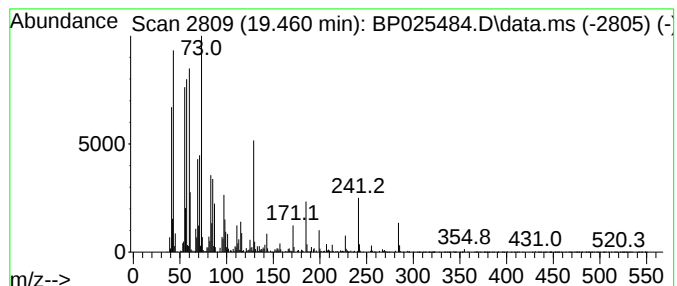
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 Octadecanoic acid Concentration Rank 7

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 19.460 | 3.01 ng | 407234 | Chrysene-d12     | 21.625 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Octadecanoic acid                   | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |    |   | Pentadecanoic acid                  | 242 | C15H30O2 | 001002-84-2 | 93   |
| 3    |    |   | Octadecanoic acid, 2-(2-hydroxye... | 372 | C22H44O4 | 000106-11-6 | 86   |
| 4    |    |   | Tetradecanoic acid                  | 228 | C14H28O2 | 000544-63-8 | 83   |
| 5    |    |   | n-Hexadecanoic acid                 | 256 | C16H32O2 | 000057-10-3 | 83   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081925\  
Data File : BP025484.D  
Acq On : 19 Aug 2025 20:21  
Operator : CG/JU  
Sample : Q2815-14  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
TW-22M-N

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

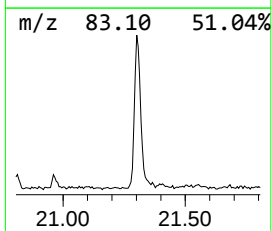
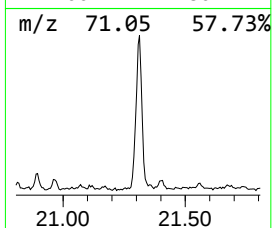
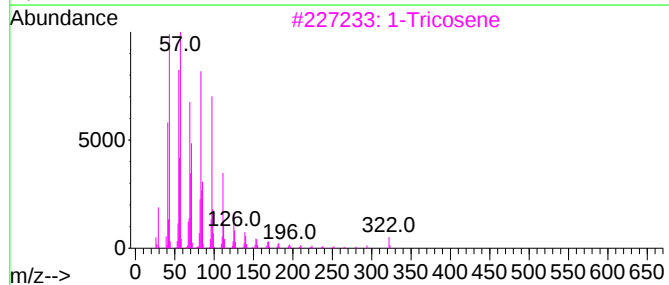
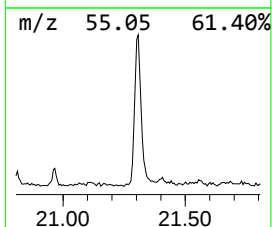
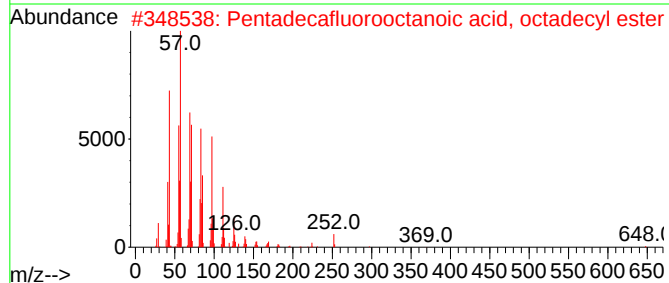
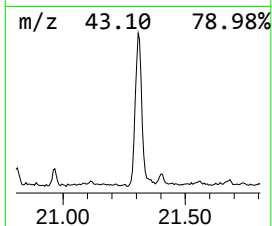
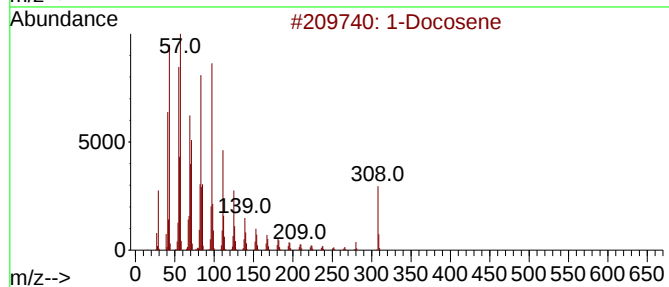
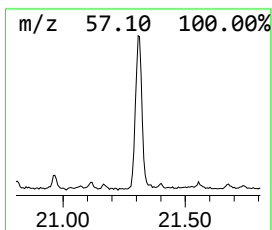
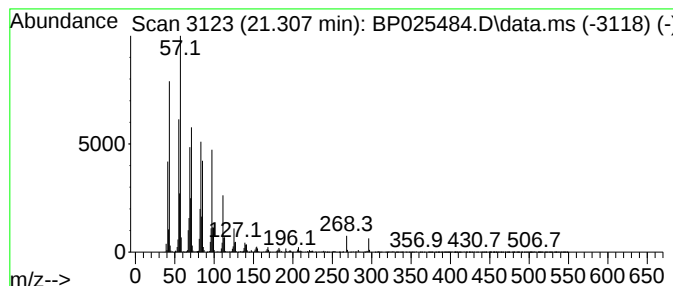
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 1-Docosene Concentration Rank 4

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 21.307 | 8.11 ng | 1097370 | Chrysene-d12     | 21.625 |

| Hit# | of                                  | 5 | Tentative ID | MW  | MolForm     | CAS#         | Qual |
|------|-------------------------------------|---|--------------|-----|-------------|--------------|------|
| 1    | 1-Docosene                          |   |              | 308 | C22H44      | 001599-67-3  | 92   |
| 2    | Pentadecafluorooctanoic acid, oc... |   |              | 666 | C26H37F15O2 | 1000406-04-8 | 91   |
| 3    | 1-Tricosene                         |   |              | 322 | C23H46      | 018835-32-0  | 91   |
| 4    | 1-Decanol, 2-hexyl-                 |   |              | 242 | C16H34O     | 002425-77-6  | 89   |
| 5    | Tricosyl trifluoroacetate           |   |              | 436 | C25H47F3O2  | 1000351-75-1 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081925\  
Data File : BP025484.D  
Acq On : 19 Aug 2025 20:21  
Operator : CG/JU  
Sample : Q2815-14  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
TW-22M-N

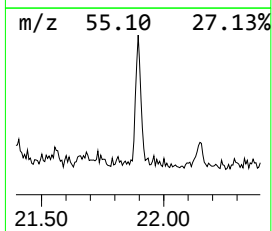
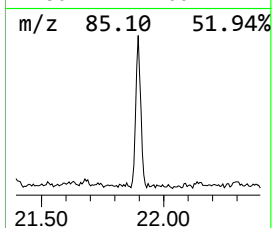
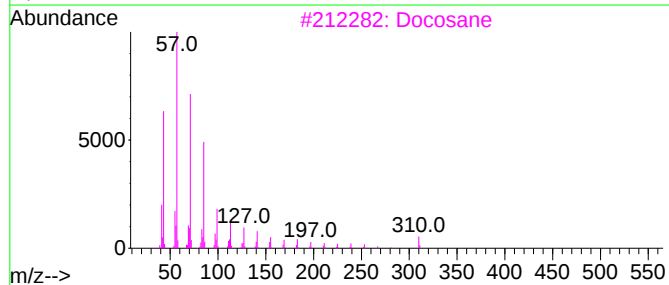
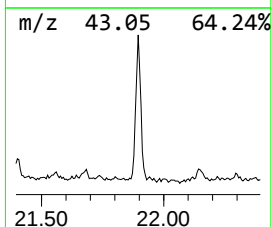
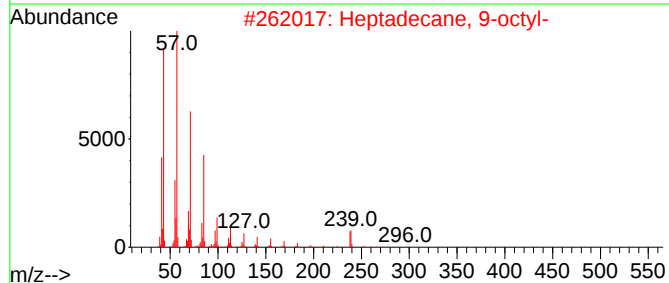
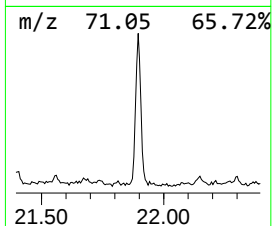
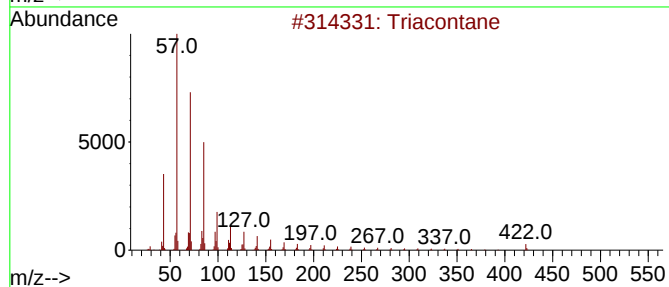
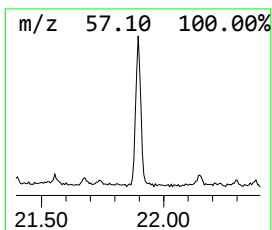
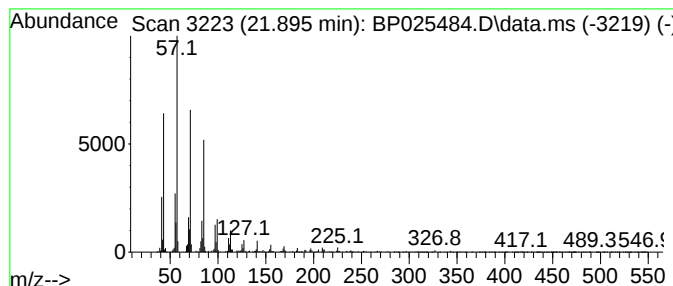
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 Triacontane Concentration Rank 8

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 21.895 | 2.65 ng | 358220 | Chrysene-d12     | 21.625 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Triacontane           | 422 | C30H62  | 000638-68-6 | 97   |
| 2    |    |   | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 94   |
| 3    |    |   | Docosane              | 310 | C22H46  | 000629-97-0 | 93   |
| 4    |    |   | Hexacosane            | 366 | C26H54  | 000630-01-3 | 93   |
| 5    |    |   | Docosane, 11-butyl-   | 366 | C26H54  | 013475-76-8 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081925\  
Data File : BP025484.D  
Acq On : 19 Aug 2025 20:21  
Operator : CG/JU  
Sample : Q2815-14  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
TW-22M-N

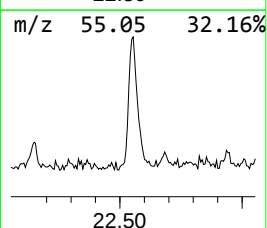
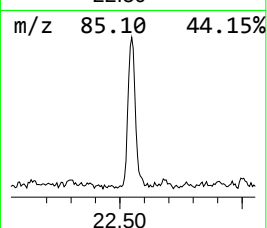
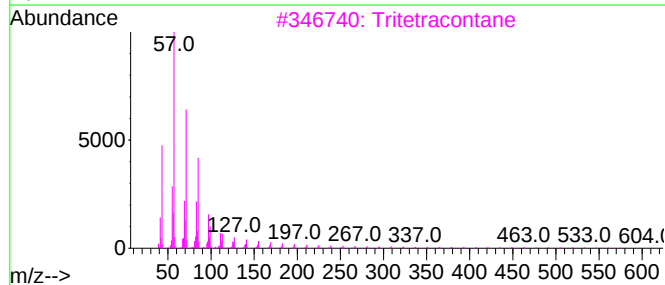
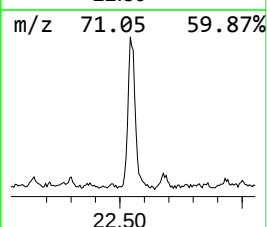
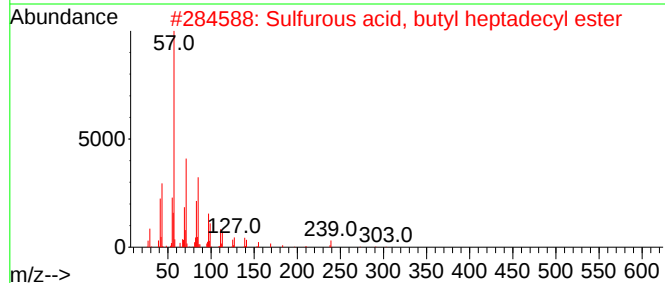
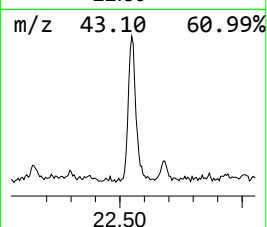
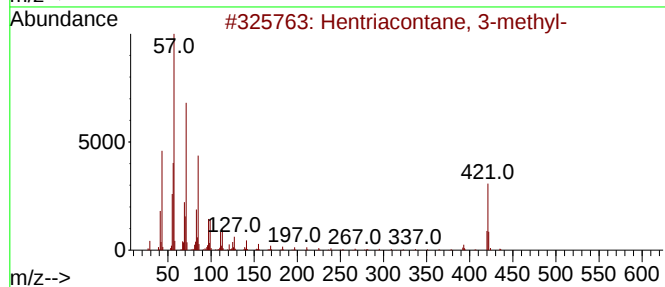
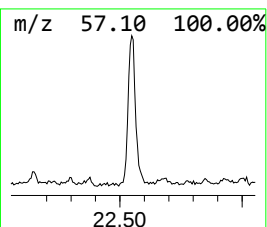
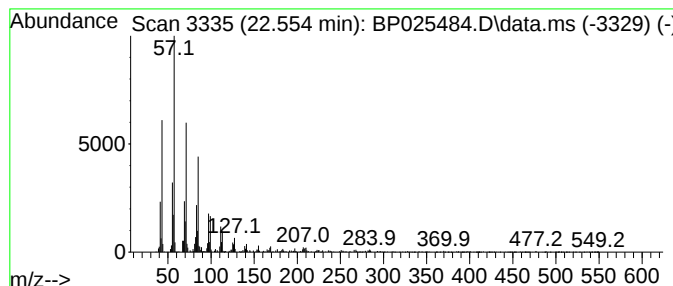
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 Hentriacontane, 3-methyl- Concentration Rank 6

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 22.554 | 3.27 ng | 442798 | Chrysene-d12     | 21.625 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Hentriacontane, 3-methyl-           | 451 | C32H66    | 004981-99-1  | 94   |
| 2    |    |   | Sulfurous acid, butyl heptadecyl... | 376 | C21H44O3S | 1000309-18-4 | 91   |
| 3    |    |   | Tritetracontane                     | 605 | C43H88    | 007098-21-7  | 91   |
| 4    |    |   | Tetratriacontane, 17-hexadecyl-     | 703 | C50H102   | 055256-07-0  | 91   |
| 5    |    |   | Tetratetracontane                   | 619 | C44H90    | 007098-22-8  | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081925\  
Data File : BP025484.D  
Acq On : 19 Aug 2025 20:21  
Operator : CG/JU  
Sample : Q2815-14  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
TW-22M-N

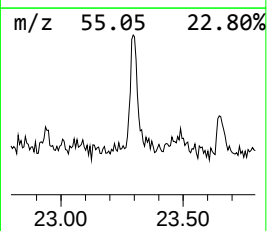
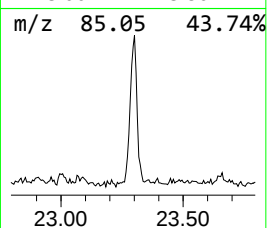
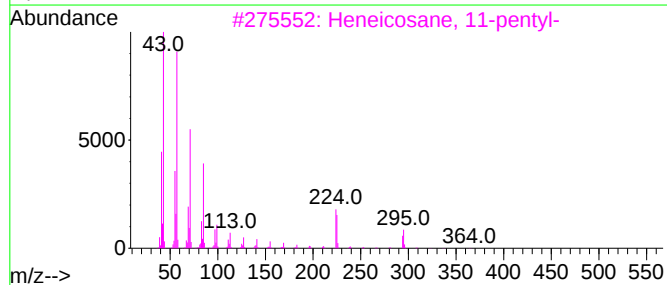
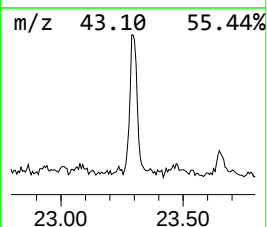
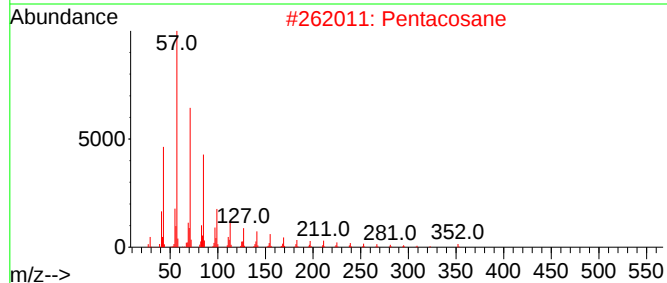
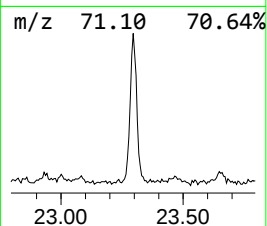
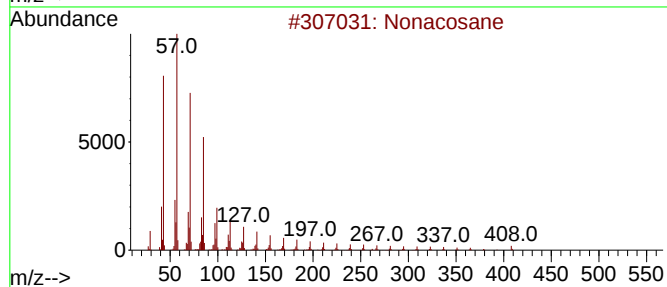
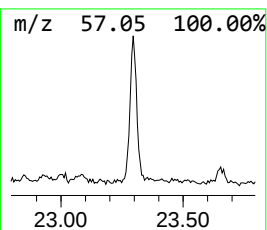
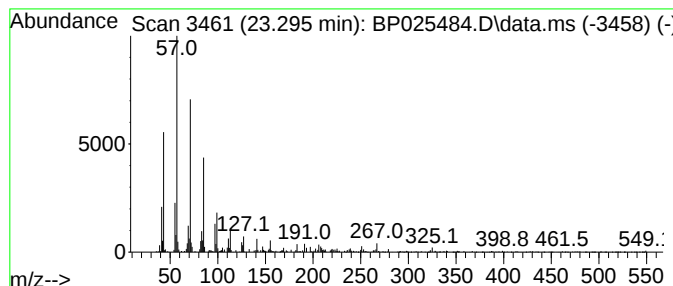
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 Nonacosane Concentration Rank 9

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 23.295 | 2.05 ng | 277767 | Chrysene-d12     | 21.625 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Nonacosane              | 408 | C29H60  | 000630-03-5 | 90   |
| 2    |    |   | Pentacosane             | 352 | C25H52  | 000629-99-2 | 90   |
| 3    |    |   | Heneicosane, 11-pentyl- | 366 | C26H54  | 014739-72-1 | 90   |
| 4    |    |   | Pentadecane, 8-hexyl-   | 296 | C21H44  | 013475-75-7 | 90   |
| 5    |    |   | 2-Methylheptacosane     | 394 | C28H58  | 001561-00-8 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081925\  
Data File : BP025484.D  
Acq On : 19 Aug 2025 20:21  
Operator : CG/JU  
Sample : Q2815-14  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
TW-22M-N

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Butane, 2-metho... | 3.043  | 78.7    | ng    | 3994240  | 1                     | 7.790  | 1014980 | 20.0 |
| 2-Pentanone, 4-... | 4.949  | 8.4     | ng    | 427358   | 1                     | 7.790  | 1014980 | 20.0 |
| Benzophenone       | 15.778 | 8.0     | ng    | 781784   | 3                     | 14.401 | 1947670 | 20.0 |
| n-Hexadecanoic ... | 18.137 | 9.6     | ng    | 1136400  | 4                     | 17.184 | 2373080 | 20.0 |
| Octadecanoic acid  | 19.460 | 3.0     | ng    | 407234   | 5                     | 21.625 | 2707510 | 20.0 |
| 1-Docosene         | 21.307 | 8.1     | ng    | 1097370  | 5                     | 21.625 | 2707510 | 20.0 |
| triacontane        | 21.895 | 2.6     | ng    | 358220   | 5                     | 21.625 | 2707510 | 20.0 |
| Hentriacontane,... | 22.554 | 3.3     | ng    | 442798   | 5                     | 21.625 | 2707510 | 20.0 |
| Nonacosane         | 23.295 | 2.0     | ng    | 277767   | 5                     | 21.625 | 2707510 | 20.0 |