

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081325\  
 Data File : BP025385.D  
 Acq On : 13 Aug 2025 15:27  
 Operator : CG/JU  
 Sample : Q2820-04  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SOIL-DUP-1

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-BP080525.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025385.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         | 2.961       | 3             | 4           | 13           | rVB2     | 163218         | 200269        | 2.86%           | 0.546%        |
| 2         | 3.043       | 13            | 18          | 28           | rVB      | 823493         | 983710        | 14.04%          | 2.682%        |
| 3         | 4.949       | 336           | 342         | 350          | rVB      | 182283         | 250060        | 3.57%           | 0.682%        |
| 4         | 5.414       | 413           | 421         | 431          | rBV      | 1765949        | 2683003       | 38.29%          | 7.316%        |
| 5         | 6.967       | 678           | 685         | 703          | rBV      | 1576978        | 2602955       | 37.15%          | 7.098%        |
| 6         | 7.796       | 816           | 826         | 834          | rVB      | 589897         | 963820        | 13.76%          | 2.628%        |
| 7         | 8.937       | 1007          | 1020        | 1029         | rBV      | 1101934        | 1839887       | 26.26%          | 5.017%        |
| 8         | 10.572      | 1290          | 1298        | 1306         | rBV      | 771091         | 1297144       | 18.51%          | 3.537%        |
| 9         | 13.031      | 1709          | 1716        | 1737         | rBV      | 2589558        | 4210456       | 60.09%          | 11.481%       |
| 10        | 14.425      | 1945          | 1953        | 1964         | rBV      | 1175710        | 1632471       | 23.30%          | 4.451%        |
| 11        | 15.807      | 2182          | 2188        | 2196         | rBV      | 143279         | 198665        | 2.84%           | 0.542%        |
| 12        | 15.937      | 2203          | 2210        | 2231         | rBV      | 2059019        | 3374791       | 48.17%          | 9.203%        |
| 13        | 16.390      | 2281          | 2287        | 2296         | rVB      | 81165          | 128183        | 1.83%           | 0.350%        |
| 14        | 17.231      | 2424          | 2430        | 2435         | rBV2     | 1253343        | 1963156       | 28.02%          | 5.353%        |
| 15        | 17.642      | 2496          | 2500        | 2505         | rBV      | 77004          | 91015         | 1.30%           | 0.248%        |
| 16        | 18.172      | 2584          | 2590        | 2599         | rBV      | 440038         | 691814        | 9.87%           | 1.886%        |
| 17        | 18.248      | 2600          | 2603        | 2612         | rVB      | 43875          | 71944         | 1.03%           | 0.196%        |
| 18        | 18.625      | 2662          | 2667        | 2674         | rVB      | 91055          | 120926        | 1.73%           | 0.330%        |
| 19        | 19.066      | 2734          | 2742        | 2747         | rBV6     | 34876          | 80967         | 1.16%           | 0.221%        |
| 20        | 19.342      | 2785          | 2789        | 2798         | rBV      | 95290          | 174829        | 2.50%           | 0.477%        |
| 21        | 19.501      | 2812          | 2816        | 2824         | rBV2     | 126738         | 219631        | 3.13%           | 0.599%        |
| 22        | 19.725      | 2850          | 2854        | 2860         | rVB      | 100482         | 161223        | 2.30%           | 0.440%        |
| 23        | 19.948      | 2887          | 2892        | 2902         | rBV      | 5691077        | 7006633       | 100.00%         | 19.106%       |
| 24        | 21.348      | 3126          | 3130        | 3141         | rBV      | 379994         | 621674        | 8.87%           | 1.695%        |
| 25        | 21.672      | 3179          | 3185        | 3191         | rBV2     | 1547570        | 2551320       | 36.41%          | 6.957%        |
| 26        | 25.083      | 3756          | 3765        | 3775         | rVB2     | 887742         | 2551835       | 36.42%          | 6.958%        |

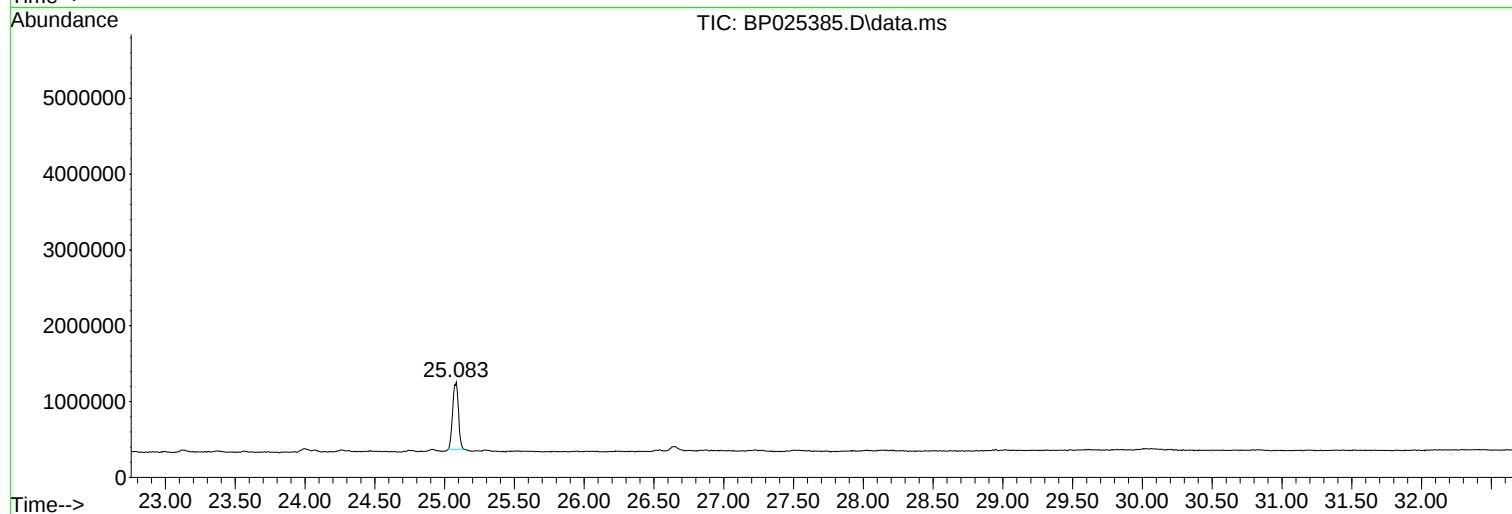
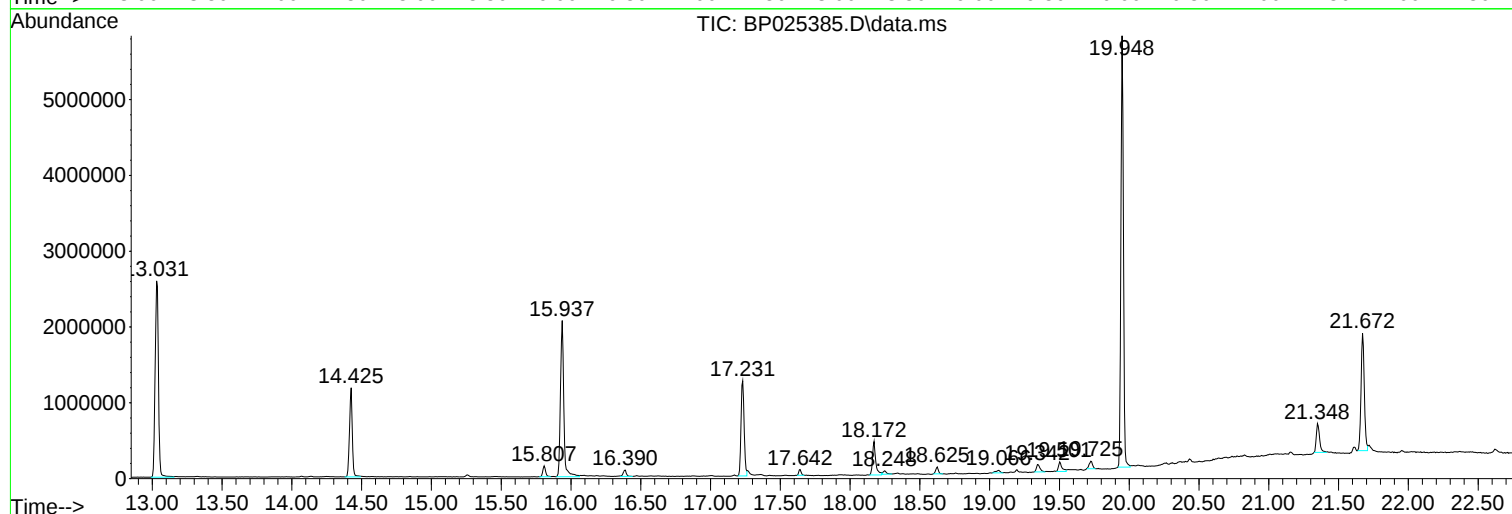
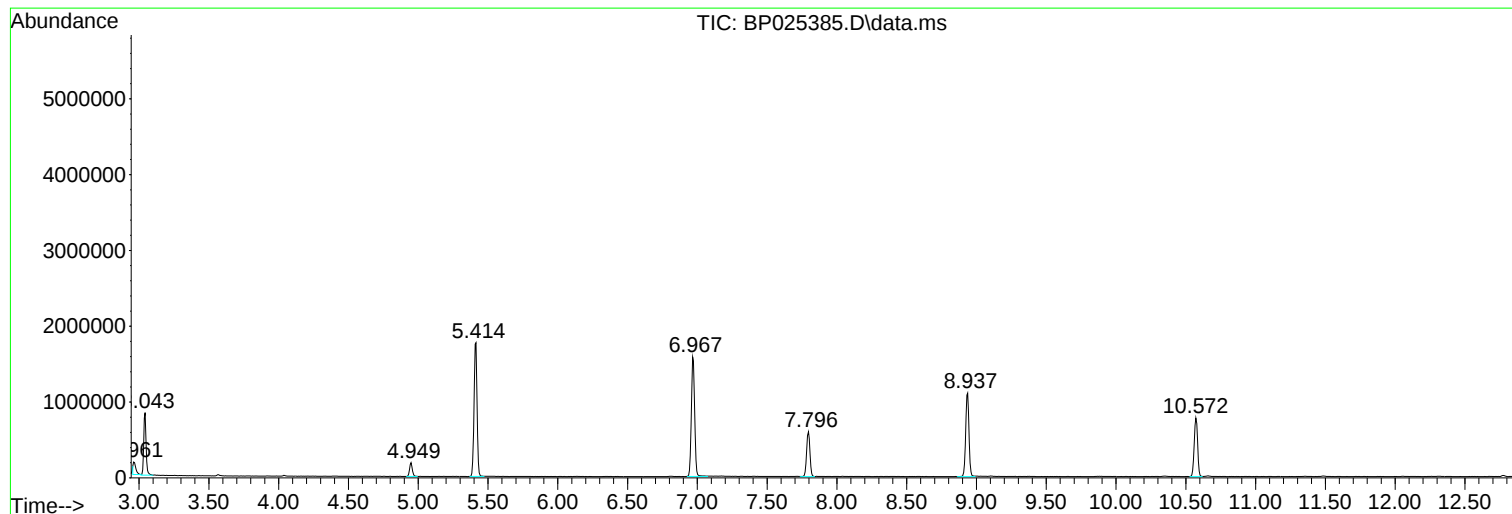
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BNA\_P  
ClientSampleId :  
SOIL-DUP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP080525.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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Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-DUP-1

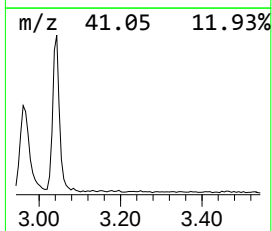
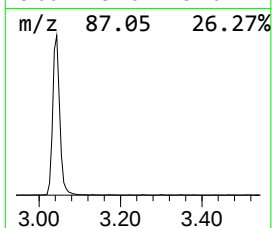
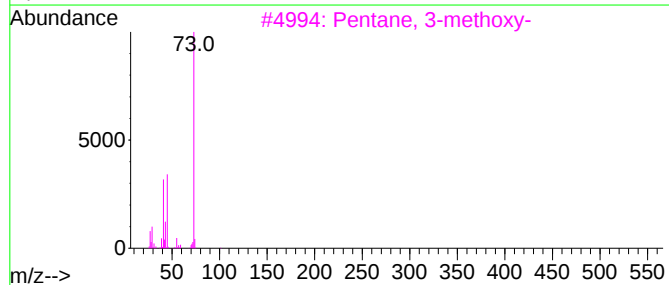
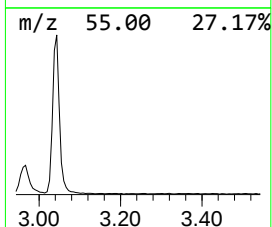
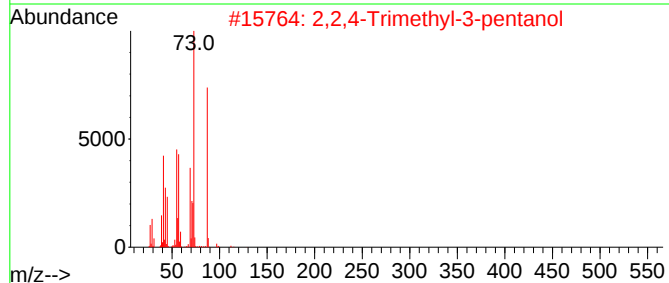
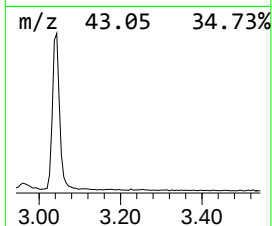
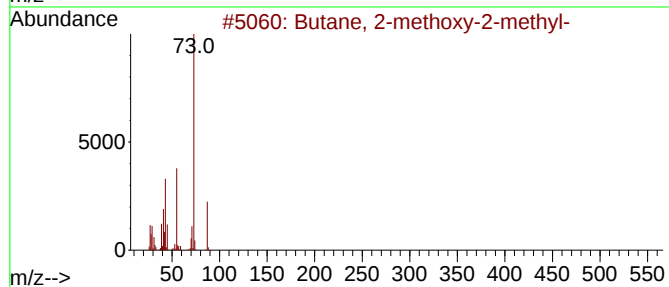
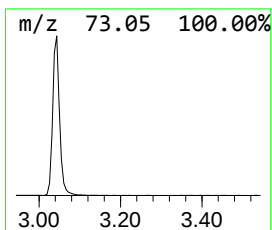
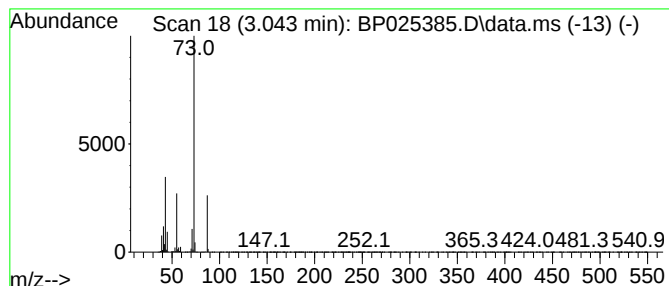
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP080525.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T.  | EstConc  | Area   | Relative to ISTD       | R.T.  |
|-------|----------|--------|------------------------|-------|
| 3.043 | 20.41 ng | 983710 | 1,4-Dichlorobenzene-d4 | 7.796 |

| 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    |    |   | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 17   |
| 4    |    |   | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 9    |
| 5    |    |   | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |



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Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-DUP-1

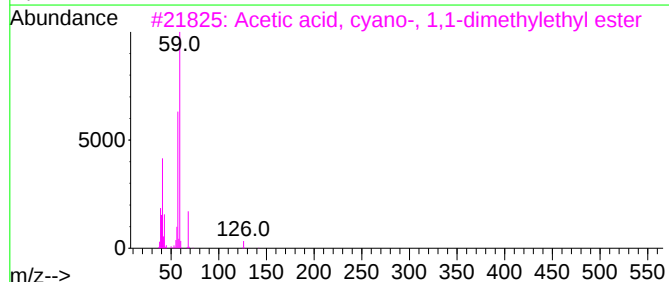
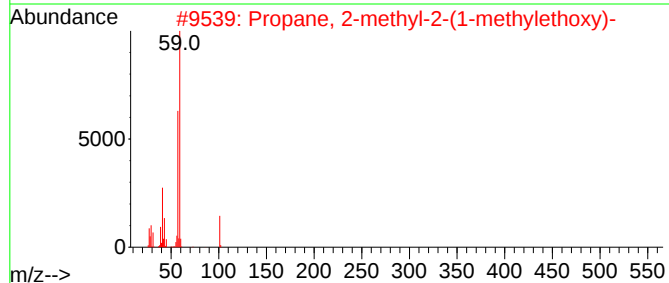
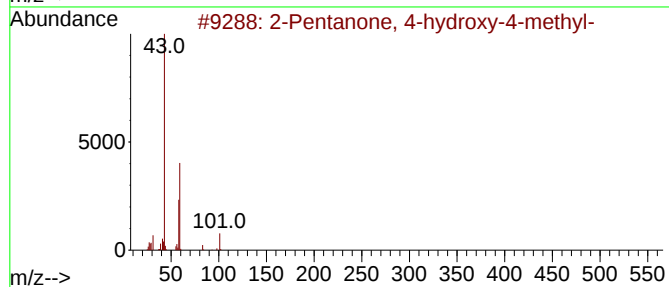
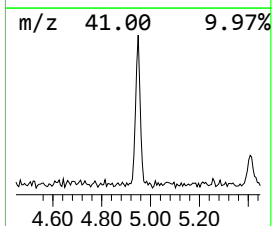
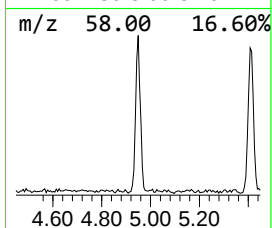
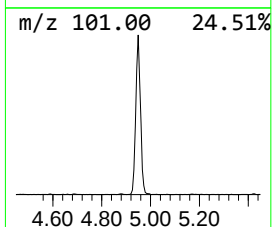
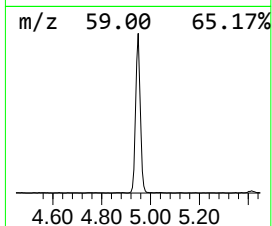
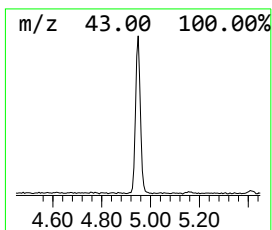
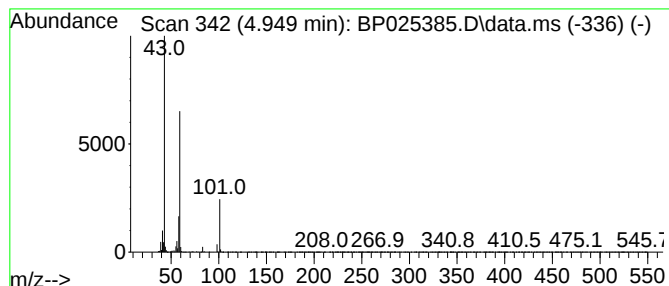
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP080525.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 4.949 | 5.19 ng | 250060 | 1,4-Dichlorobenzene-d4 | 7.796 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2    |    |   | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O   | 017348-59-3 | 23   |
| 3    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 4    |    |   | Hexanamide                          | 115 | C6H13NO  | 000628-02-4 | 9    |
| 5    |    |   | Morpholine, 4-methyl-               | 101 | C5H11NO  | 000109-02-4 | 9    |



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Sample : Q2820-04  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-DUP-1

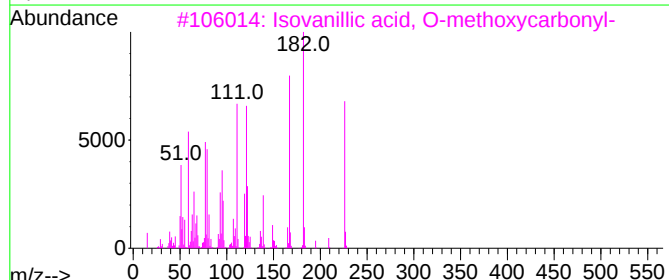
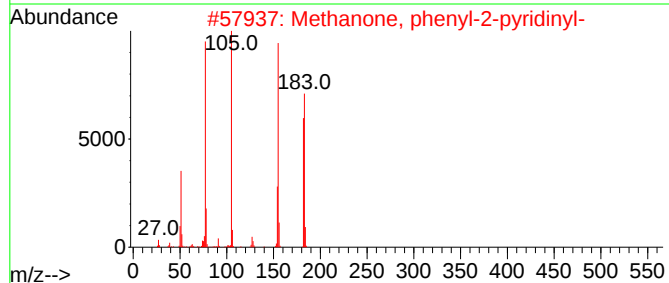
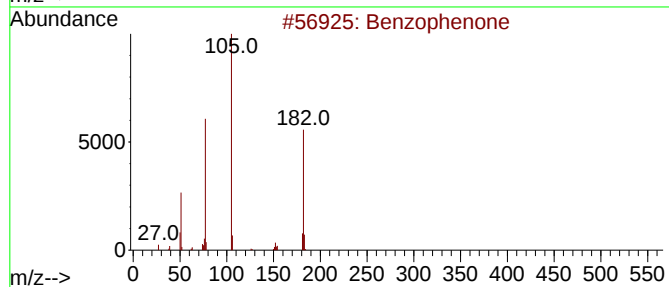
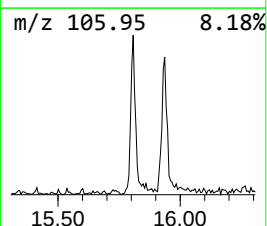
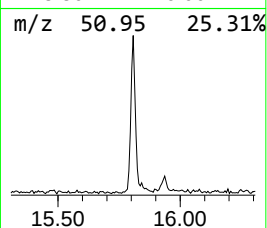
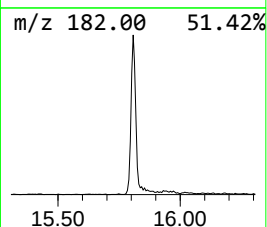
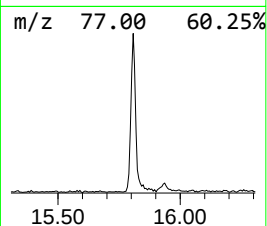
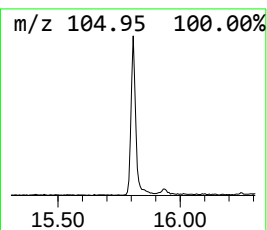
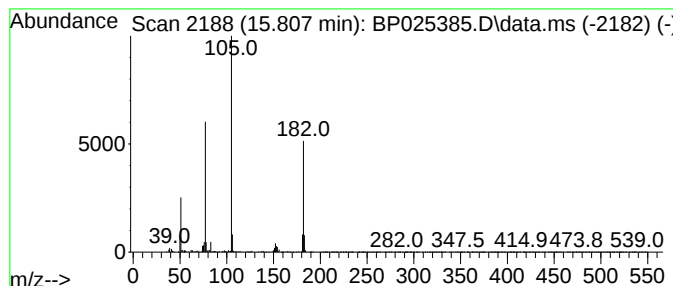
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 Benzophenone Concentration Rank 6

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.807 | 2.43 ng | 198665 | Acenaphthene-d10 | 14.425 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Benzophenone                        | 182 | C13H10O  | 000119-61-9  | 96   |
| 2    |    |   | Methanone, phenyl-2-pyridinyl-      | 183 | C12H9NO  | 000091-02-1  | 50   |
| 3    |    |   | Isovanillic acid, O-methoxycarbo... | 226 | C10H10O6 | 1000487-72-5 | 43   |
| 4    |    |   | 1,2,4-Trioxolane, 3,3,5-triphenyl-  | 304 | C20H16O3 | 023246-12-0  | 40   |
| 5    |    |   | Ethanone, 2-amino-1-phenyl-         | 135 | C8H9NO   | 000613-89-8  | 38   |



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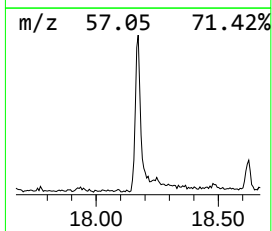
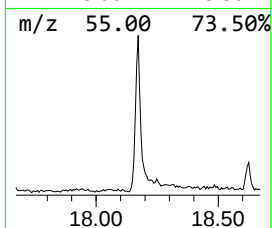
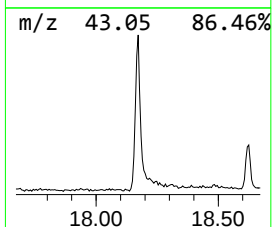
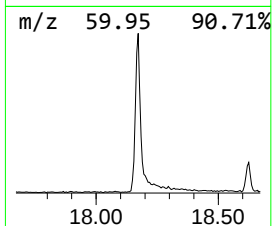
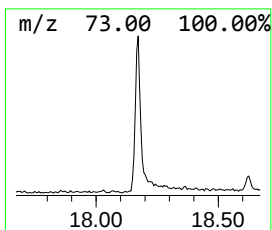
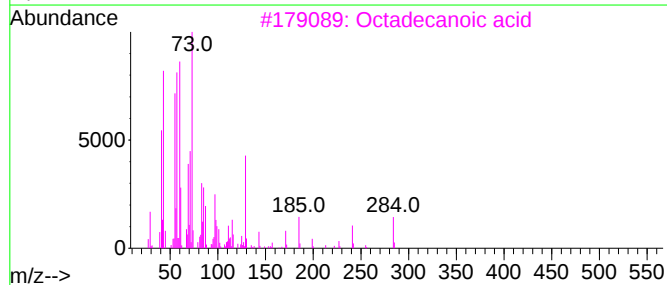
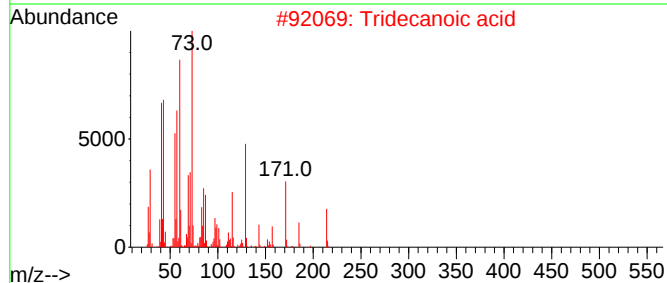
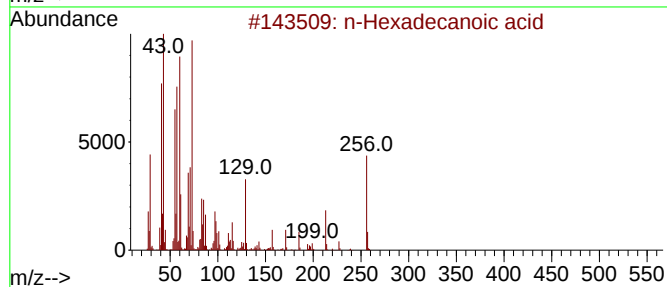
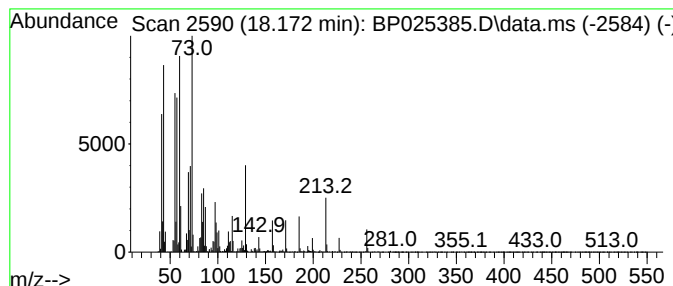
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Peak Number 5 n-Hexadecanoic acid Concentration Rank 2

| R.T.      | EstConc             | Area   | Relative to ISTD | R.T.        |      |
|-----------|---------------------|--------|------------------|-------------|------|
| 18.172    | 7.05 ng             | 691814 | Phenanthrene-d10 | 17.231      |      |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#        | Qual |
| 1         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 98   |
| 2         | Tridecanoic acid    | 214    | C13H26O2         | 000638-53-9 | 96   |
| 3         | Octadecanoic acid   | 284    | C18H36O2         | 000057-11-4 | 93   |
| 4         | Pentadecanoic acid  | 242    | C15H30O2         | 001002-84-2 | 93   |
| 5         | Dodecanoic acid     | 200    | C12H24O2         | 000143-07-7 | 72   |



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SOIL-DUP-1

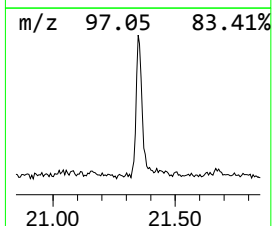
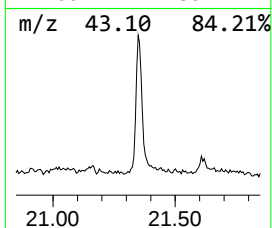
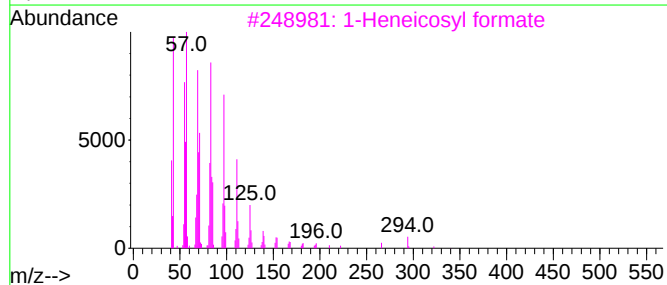
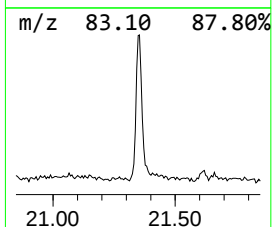
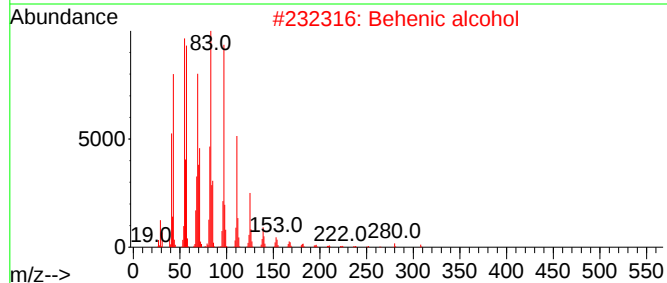
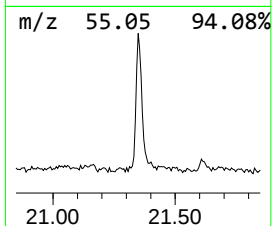
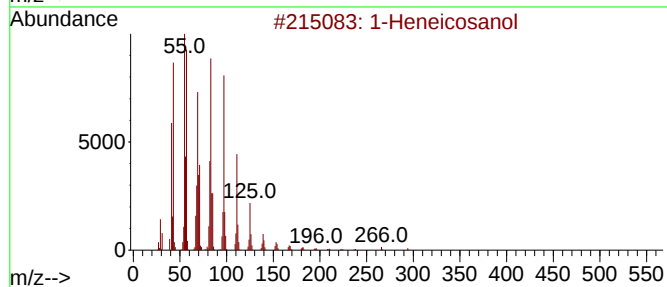
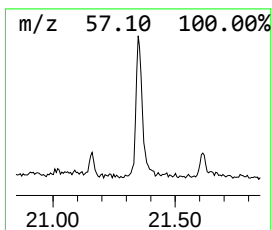
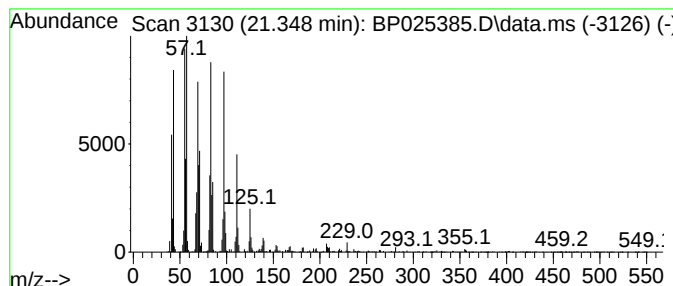
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP080525.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 6 1-Heneicosanol Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 21.348 | 4.87 ng | 621674 | Chrysene-d12     | 21.672 |

| Hit# | of 5 | Tentative ID         | MW  | MolForm  | CAS#        | Qual |
|------|------|----------------------|-----|----------|-------------|------|
| 1    |      | 1-Heneicosanol       | 312 | C21H44O  | 015594-90-8 | 95   |
| 2    |      | Behenic alcohol      | 326 | C22H46O  | 000661-19-8 | 95   |
| 3    |      | 1-Heneicosyl formate | 340 | C22H44O2 | 077899-03-7 | 95   |
| 4    |      | 1-Hexacosene         | 364 | C26H52   | 018835-33-1 | 94   |
| 5    |      | Pentacos-1-ene       | 350 | C25H50   | 016980-85-1 | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081325\  
Data File : BP025385.D  
Acq On : 13 Aug 2025 15:27  
Operator : CG/JU  
Sample : Q2820-04  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-DUP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP080525.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  | 20.4    | ng    | 983710   | 1                     | 7.796  | 963820  | 20.0 |
| 2-Pentanone, 4-... | 4.949  | 5.2     | ng    | 250060   | 1                     | 7.796  | 963820  | 20.0 |
| Benzophenone       | 15.807 | 2.4     | ng    | 198665   | 3                     | 14.425 | 1632470 | 20.0 |
| n-Hexadecanoic ... | 18.172 | 7.0     | ng    | 691814   | 4                     | 17.231 | 1963160 | 20.0 |
| 1-Heneicosanol     | 21.348 | 4.9     | ng    | 621674   | 5                     | 21.672 | 2551320 | 20.0 |