

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081425\  
 Data File : BF143380.D  
 Acq On : 14 Aug 2025 14:25  
 Operator : RC/JU  
 Sample : Q2814-02  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TW-17M-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\_F\Methods\8270-BF081225.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143380.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         | 2.269       | 5             | 13          | 23           | rVB      | 2662733        | 4482939       | 90.94%          | 15.081%       |
| 2         | 5.163       | 498           | 505         | 522          | rVB      | 241654         | 355222        | 7.21%           | 1.195%        |
| 3         | 5.569       | 568           | 574         | 593          | rBV      | 1445813        | 1925355       | 39.06%          | 6.477%        |
| 4         | 6.557       | 737           | 742         | 767          | rBV      | 969545         | 1379008       | 27.98%          | 4.639%        |
| 5         | 6.934       | 801           | 806         | 813          | rBV      | 736787         | 905104        | 18.36%          | 3.045%        |
| 6         | 7.492       | 894           | 901         | 906          | rBV      | 2150220        | 2941847       | 59.68%          | 9.897%        |
| 7         | 8.216       | 1018          | 1024        | 1041         | rBV      | 891920         | 1240176       | 25.16%          | 4.172%        |
| 8         | 9.286       | 1200          | 1206        | 1223         | rBV      | 3600364        | 4929352       | 100.00%         | 16.583%       |
| 9         | 9.969       | 1317          | 1322        | 1327         | rBV      | 1048317        | 1310564       | 26.59%          | 4.409%        |
| 10        | 10.345      | 1381          | 1386        | 1389         | rBV      | 41736          | 53294         | 1.08%           | 0.179%        |
| 11        | 10.680      | 1438          | 1443        | 1451         | rBV      | 349768         | 439990        | 8.93%           | 1.480%        |
| 12        | 10.757      | 1451          | 1456        | 1472         | rBV      | 1808415        | 2504201       | 50.80%          | 8.424%        |
| 13        | 10.992      | 1489          | 1496        | 1503         | rVB      | 45125          | 63664         | 1.29%           | 0.214%        |
| 14        | 11.457      | 1570          | 1575        | 1582         | rBV      | 933723         | 1190754       | 24.16%          | 4.006%        |
| 15        | 11.980      | 1659          | 1664        | 1681         | rBV2     | 149998         | 293586        | 5.96%           | 0.988%        |
| 16        | 13.039      | 1838          | 1844        | 1859         | rBV      | 3051591        | 4058117       | 82.33%          | 13.652%       |
| 17        | 13.945      | 1992          | 1998        | 2013         | rBV2     | 50414          | 143286        | 2.91%           | 0.482%        |
| 18        | 14.098      | 2019          | 2024        | 2035         | rVB      | 543918         | 724943        | 14.71%          | 2.439%        |
| 19        | 15.592      | 2272          | 2278        | 2291         | rBV      | 463105         | 784366        | 15.91%          | 2.639%        |

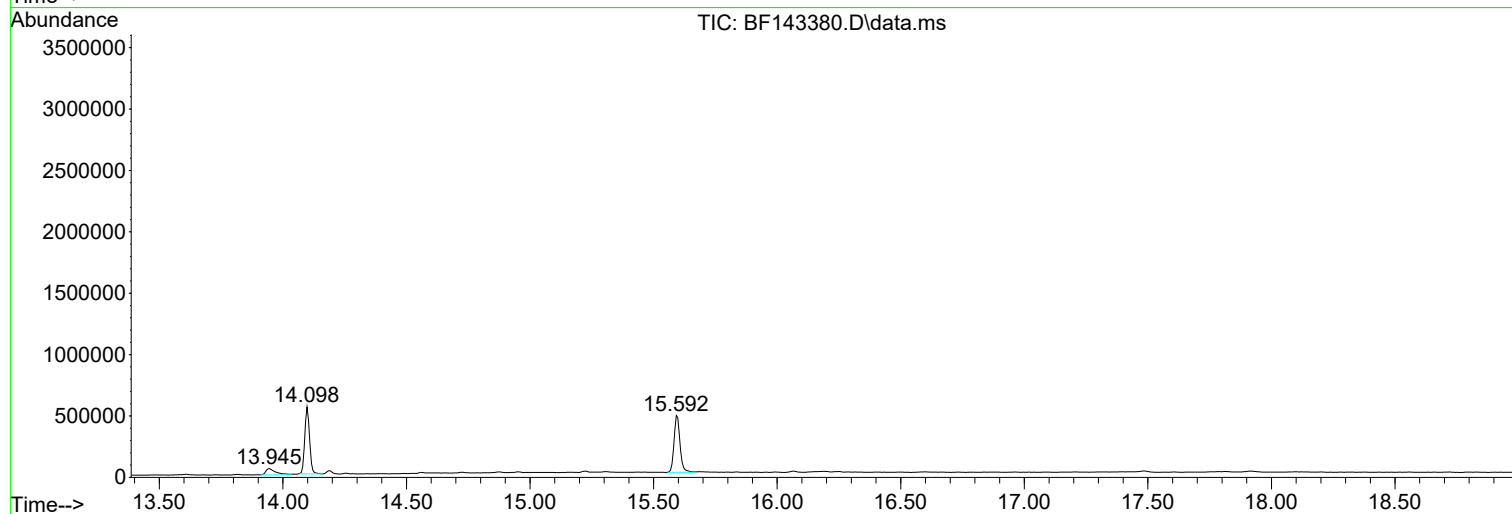
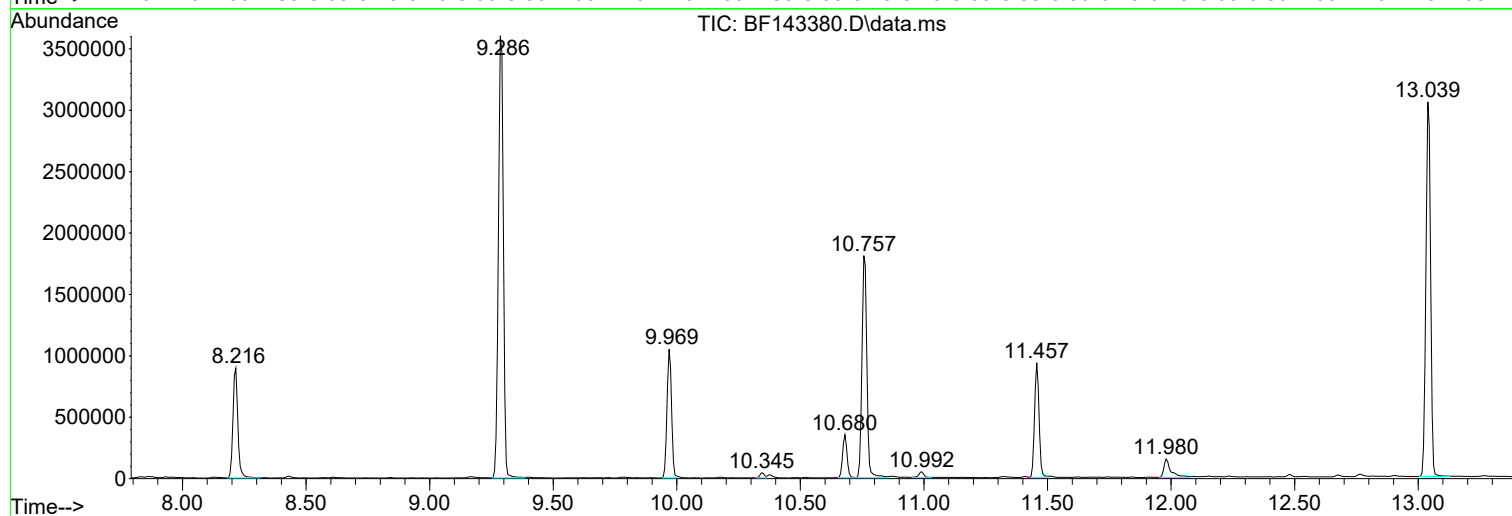
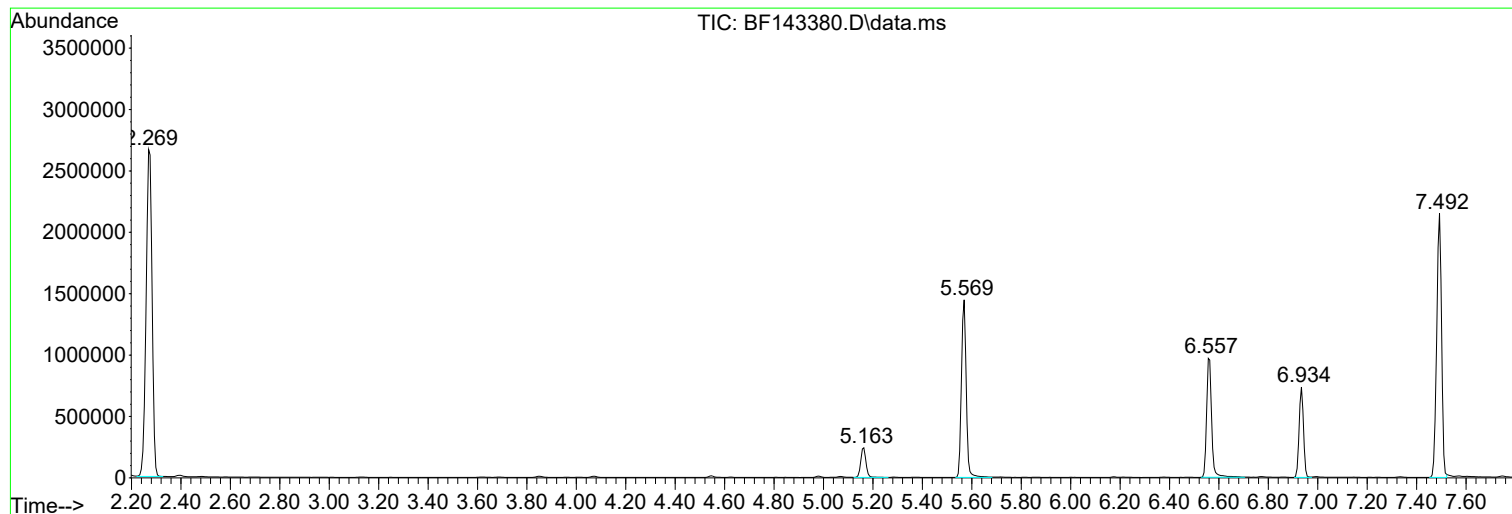
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Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TW-17M-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081225.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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BNA\_F  
ClientSampleId :  
TW-17M-N

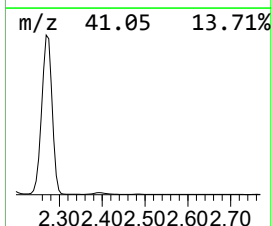
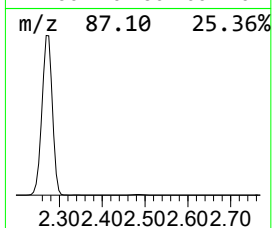
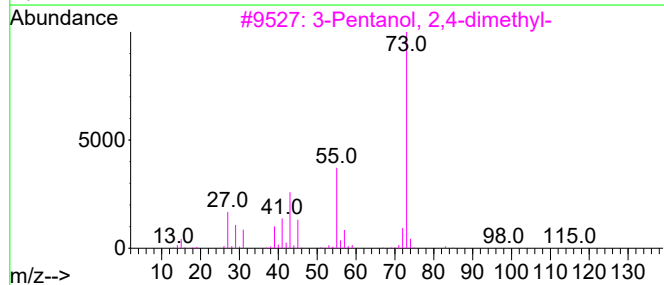
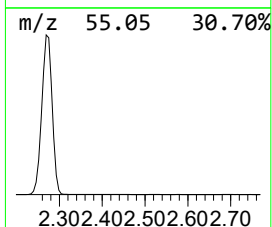
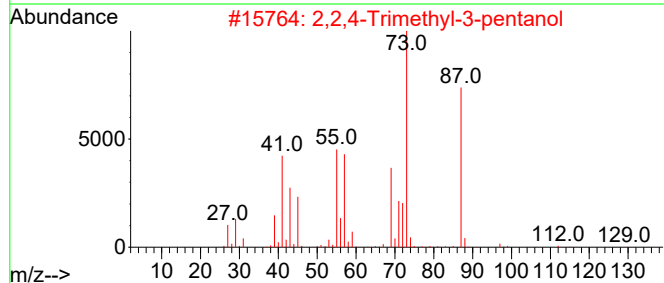
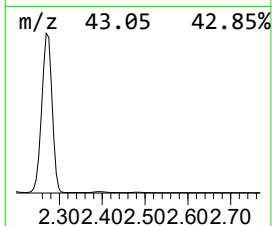
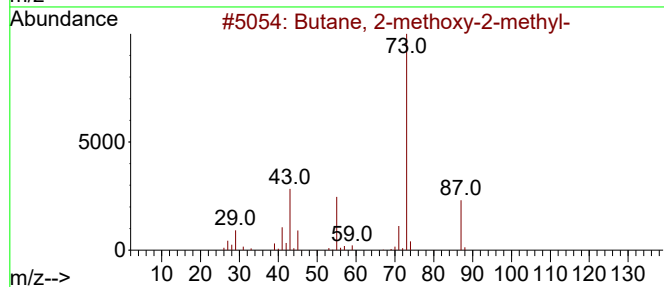
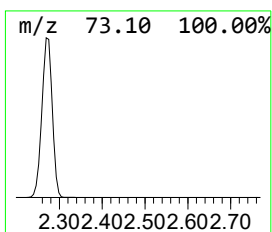
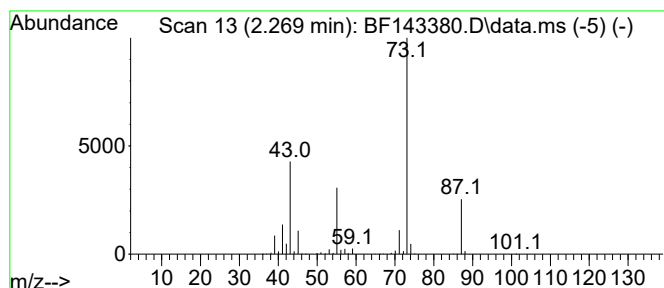
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081225.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.  |
|-------|----------|---------|------------------------|-------|
| 2.269 | 99.06 ng | 4482940 | 1,4-Dichlorobenzene-d4 | 6.934 |

| 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    |    |   | 3-Pentanol, 2,4-dimethyl-        | 116 | C7H16O   | 000600-36-2 | 37   |
| 4    |    |   | 1,3-Dioxolane, 2-methyl-         | 88  | C4H8O2   | 000497-26-7 | 23   |
| 5    |    |   | Octanal, 7-methoxy-3,7-dimethyl- | 186 | C11H22O2 | 003613-30-7 | 17   |



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Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TW-17M-N

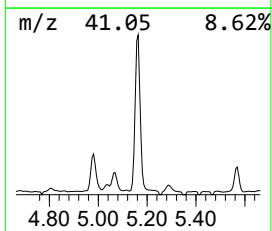
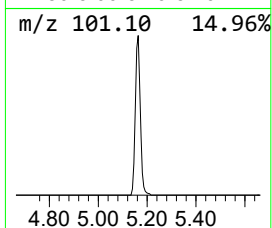
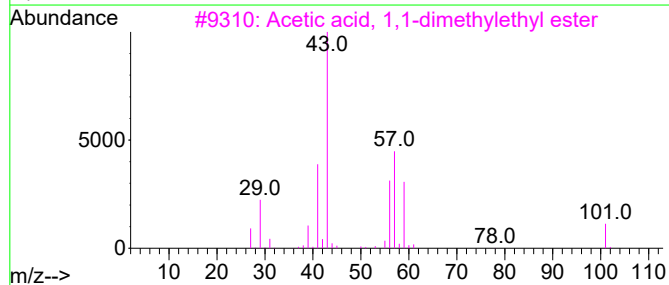
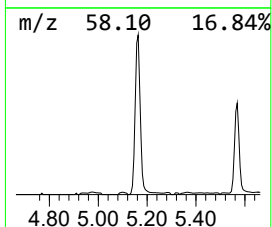
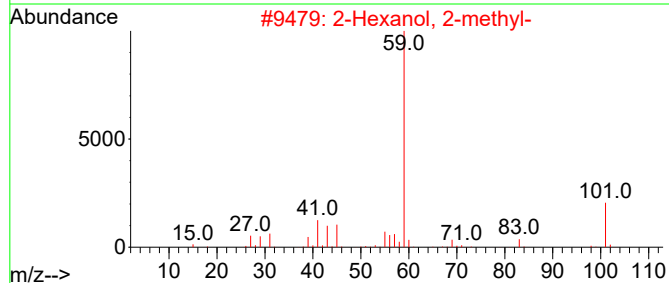
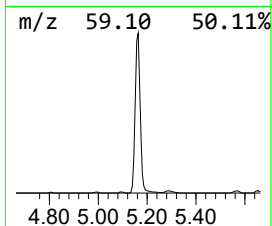
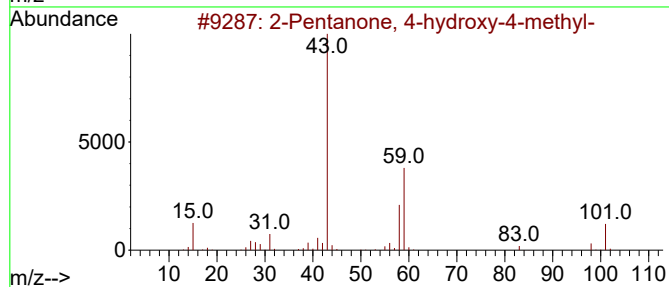
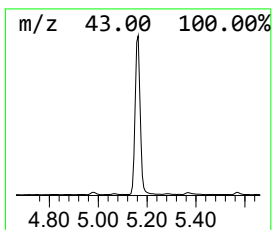
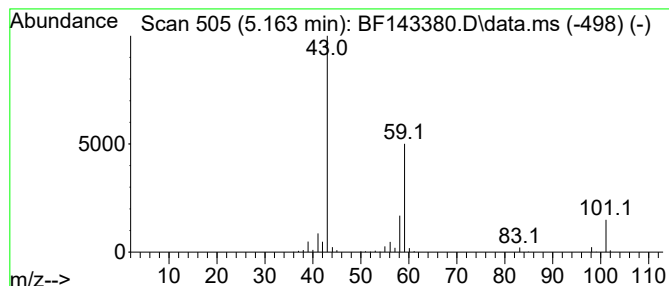
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081225.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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 2

| R.T.      | EstConc                             | Area   | Relative to ISTD       |          |             | R.T.  |
|-----------|-------------------------------------|--------|------------------------|----------|-------------|-------|
| 5.163     | 7.85 ng                             | 355222 | 1,4-Dichlorobenzene-d4 |          |             | 6.934 |
| Hit# of 5 | Tentative ID                        |        | MW                     | MolForm  | CAS#        | Qual  |
| 1         | 2-Pentanone, 4-hydroxy-4-methyl-    |        | 116                    | C6H12O2  | 000123-42-2 | 59    |
| 2         | 2-Hexanol, 2-methyl-                |        | 116                    | C7H16O   | 000625-23-0 | 33    |
| 3         | Acetic acid, 1,1-dimethylethyl e... |        | 116                    | C6H12O2  | 000540-88-5 | 28    |
| 4         | Acetic acid, cyano-, 1,1-dimethy... |        | 141                    | C7H11NO2 | 001116-98-9 | 23    |
| 5         | 2,3-Butanedione, monooxime          |        | 101                    | C4H7NO2  | 000057-71-6 | 16    |



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Sample : Q2814-02  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TW-17M-N

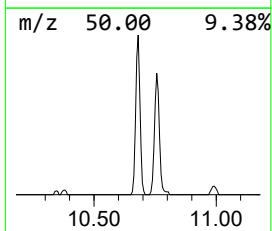
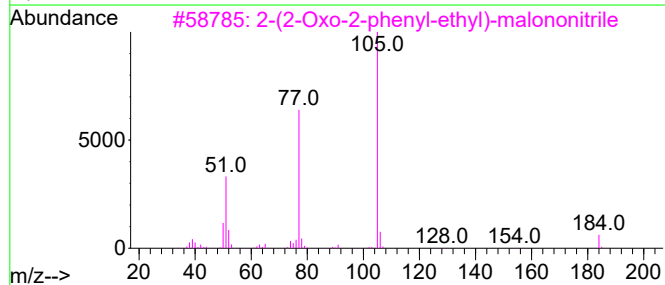
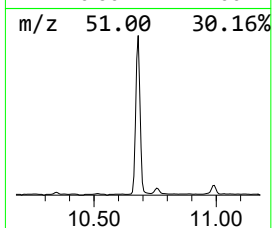
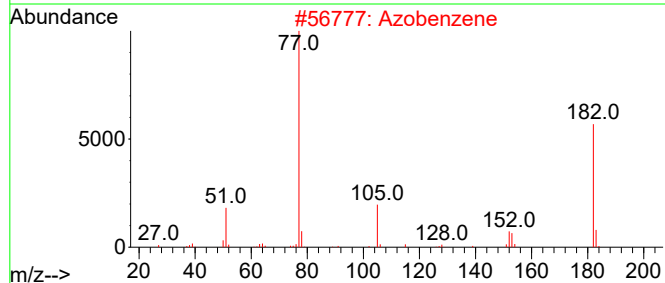
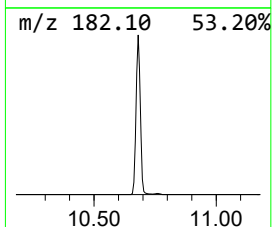
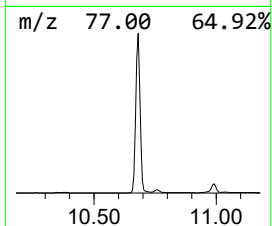
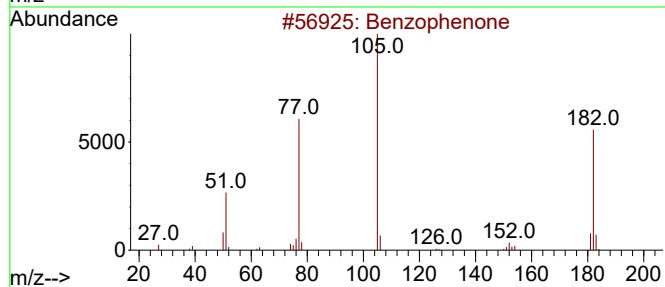
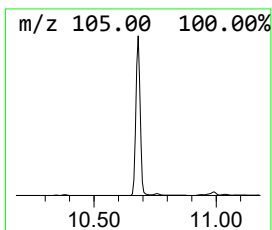
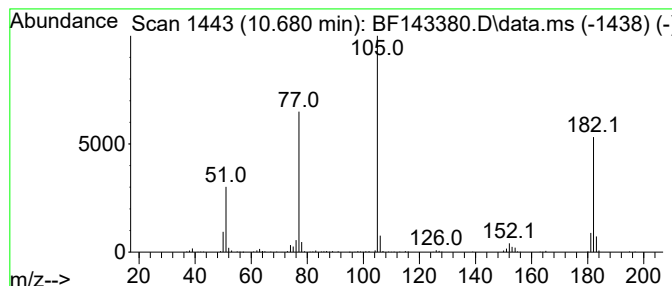
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Benzophenone Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.  |
|--------|---------|--------|------------------|-------|
| 10.680 | 6.71 ng | 439990 | Acenaphthene-d10 | 9.969 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Benzophenone                        | 182 | C13H10O    | 000119-61-9  | 96   |
| 2    |    |   | Azobenzene                          | 182 | C12H10N2   | 000103-33-3  | 58   |
| 3    |    |   | 2-(2-Oxo-2-phenyl-ethyl)-malonon... | 184 | C11H8N2O   | 1000296-76-9 | 58   |
| 4    |    |   | 2-Benzoyl-4-bromo-5-methyl-1,2-o... | 281 | C11H8BrNO3 | 1000444-92-3 | 50   |
| 5    |    |   | Benzenebutanoic acid, .gamma.-oxo-  | 178 | C10H10O3   | 002051-95-8  | 50   |



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ClientSampleId :  
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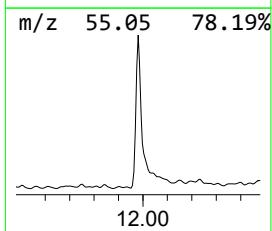
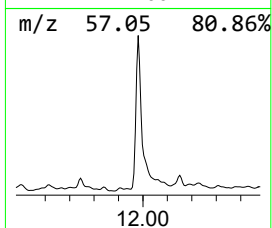
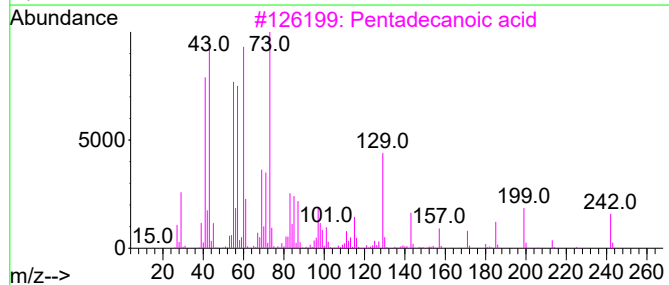
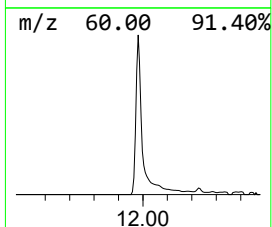
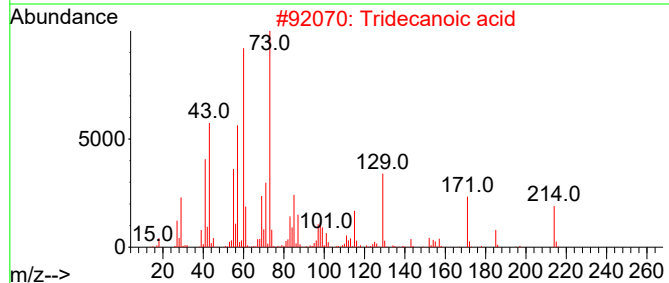
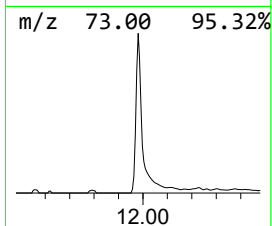
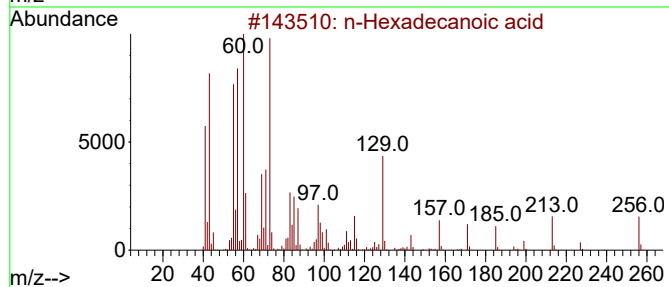
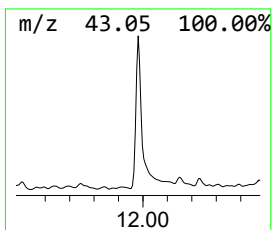
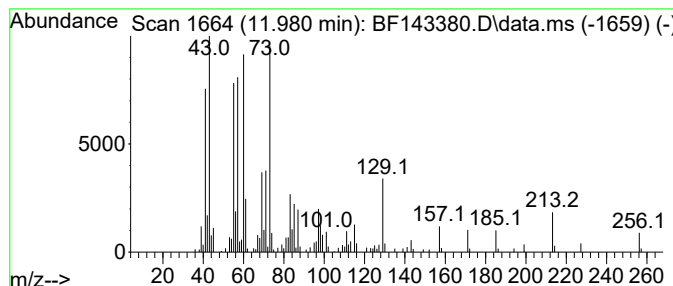
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
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Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.980 | 4.93 ng | 293586 | Phenanthrene-d10 | 11.457 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 91   |
| 3    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 90   |
| 4    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 87   |
| 5    |    |   | Undecanoic acid     | 186 | C11H22O2 | 000112-37-8 | 64   |



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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081225.M  
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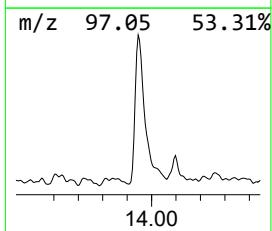
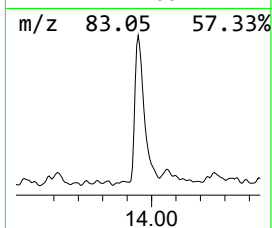
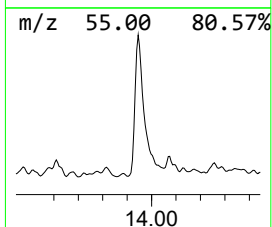
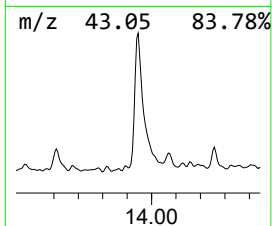
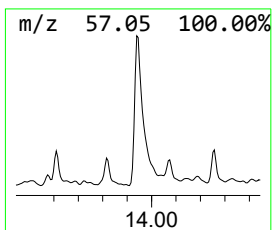
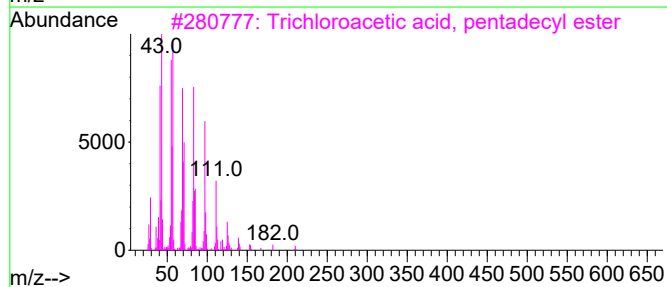
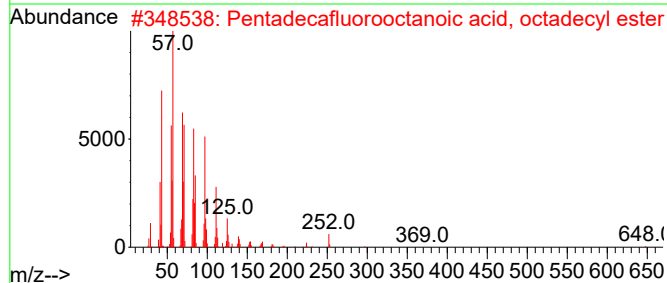
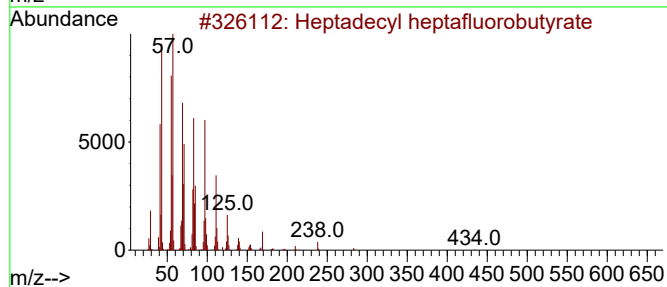
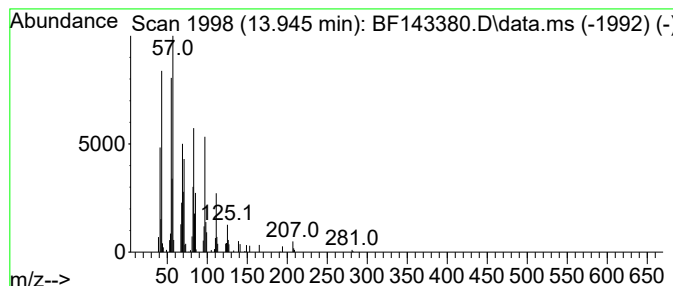
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Heptadecyl heptafluorobutyrate Concentration Rank 5

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.945 | 3.95 ng | 143286 | Chrysene-d12     | 14.098 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Heptadecyl heptafluorobutyrate      | 452 | C21H35F7O2  | 959085-66-6  | 94   |
| 2    |    |   | Pentadecafluorooctanoic acid, oc... | 666 | C26H37F15O2 | 1000406-04-8 | 94   |
| 3    |    |   | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0  | 93   |
| 4    |    |   | Tricosyl trifluoroacetate           | 436 | C25H47F3O2  | 1000351-75-1 | 91   |
| 5    |    |   | n-Tetracosanol-1                    | 354 | C24H50O     | 000506-51-4  | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081425\  
Data File : BF143380.D  
Acq On : 14 Aug 2025 14:25  
Operator : RC/JU  
Sample : Q2814-02  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TW-17M-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081225.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... | 2.269  | 99.1    | ng    | 4482940  | 1                     | 6.934  | 905104  | 20.0 |
| 2-Pentanone, 4-... | 5.163  | 7.8     | ng    | 355222   | 1                     | 6.934  | 905104  | 20.0 |
| Benzophenone       | 10.680 | 6.7     | ng    | 439990   | 3                     | 9.969  | 1310560 | 20.0 |
| n-Hexadecanoic ... | 11.980 | 4.9     | ng    | 293586   | 4                     | 11.457 | 1190750 | 20.0 |
| Heptadecyl hept... | 13.945 | 4.0     | ng    | 143286   | 5                     | 14.098 | 724943  | 20.0 |