

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
 Data File : BF142523.D  
 Acq On : 22 May 2025 21:22  
 Operator : RC/JU  
 Sample : Q2101-01  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1-MHE

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-BF052025.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142523.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         | 5.116       | 488           | 497         | 509          | rBV      | 127911         | 195443        | 11.27%          | 1.486%        |
| 2         | 5.510       | 558           | 564         | 570          | rBV      | 1259685        | 1706185       | 98.41%          | 12.969%       |
| 3         | 6.516       | 729           | 735         | 746          | rBV      | 1237937        | 1655130       | 95.46%          | 12.580%       |
| 4         | 6.898       | 795           | 800         | 805          | rBV      | 498964         | 600740        | 34.65%          | 4.566%        |
| 5         | 7.457       | 889           | 895         | 900          | rBV      | 790987         | 997081        | 57.51%          | 7.579%        |
| 6         | 7.710       | 933           | 938         | 946          | rVB      | 22656          | 28947         | 1.67%           | 0.220%        |
| 7         | 8.180       | 1012          | 1018        | 1023         | rBV      | 565407         | 695746        | 40.13%          | 5.288%        |
| 8         | 9.251       | 1195          | 1200        | 1206         | rBV      | 1363460        | 1733780       | 100.00%         | 13.178%       |
| 9         | 9.933       | 1311          | 1316        | 1325         | rVB      | 506163         | 626351        | 36.13%          | 4.761%        |
| 10        | 10.645      | 1432          | 1437        | 1442         | rBV      | 155038         | 188781        | 10.89%          | 1.435%        |
| 11        | 10.721      | 1445          | 1450        | 1455         | rBV      | 707400         | 872245        | 50.31%          | 6.630%        |
| 12        | 11.421      | 1564          | 1569        | 1577         | rBV      | 488904         | 606441        | 34.98%          | 4.610%        |
| 13        | 11.945      | 1652          | 1658        | 1670         | rBV      | 103663         | 165972        | 9.57%           | 1.262%        |
| 14        | 12.639      | 1771          | 1776        | 1781         | rBV      | 39810          | 52883         | 3.05%           | 0.402%        |
| 15        | 12.727      | 1788          | 1791        | 1798         | rBV5     | 10900          | 18426         | 1.06%           | 0.140%        |
| 16        | 12.863      | 1809          | 1814        | 1820         | rBV      | 42626          | 63873         | 3.68%           | 0.485%        |
| 17        | 13.010      | 1833          | 1839        | 1844         | rBV      | 1270830        | 1594297       | 91.95%          | 12.118%       |
| 18        | 13.580      | 1932          | 1936        | 1943         | rBV4     | 9454           | 19417         | 1.12%           | 0.148%        |
| 19        | 13.904      | 1987          | 1991        | 2002         | rBV2     | 48147          | 84805         | 4.89%           | 0.645%        |
| 20        | 14.062      | 2012          | 2018        | 2029         | rBV      | 424943         | 615088        | 35.48%          | 4.675%        |
| 21        | 14.921      | 2160          | 2164        | 2177         | rVB      | 64283          | 100940        | 5.82%           | 0.767%        |
| 22        | 15.115      | 2193          | 2197        | 2205         | rBV      | 34589          | 73660         | 4.25%           | 0.560%        |
| 23        | 15.486      | 2257          | 2260        | 2266         | rBV      | 23639          | 35785         | 2.06%           | 0.272%        |
| 24        | 15.556      | 2266          | 2272        | 2286         | rVB      | 251916         | 424302        | 24.47%          | 3.225%        |

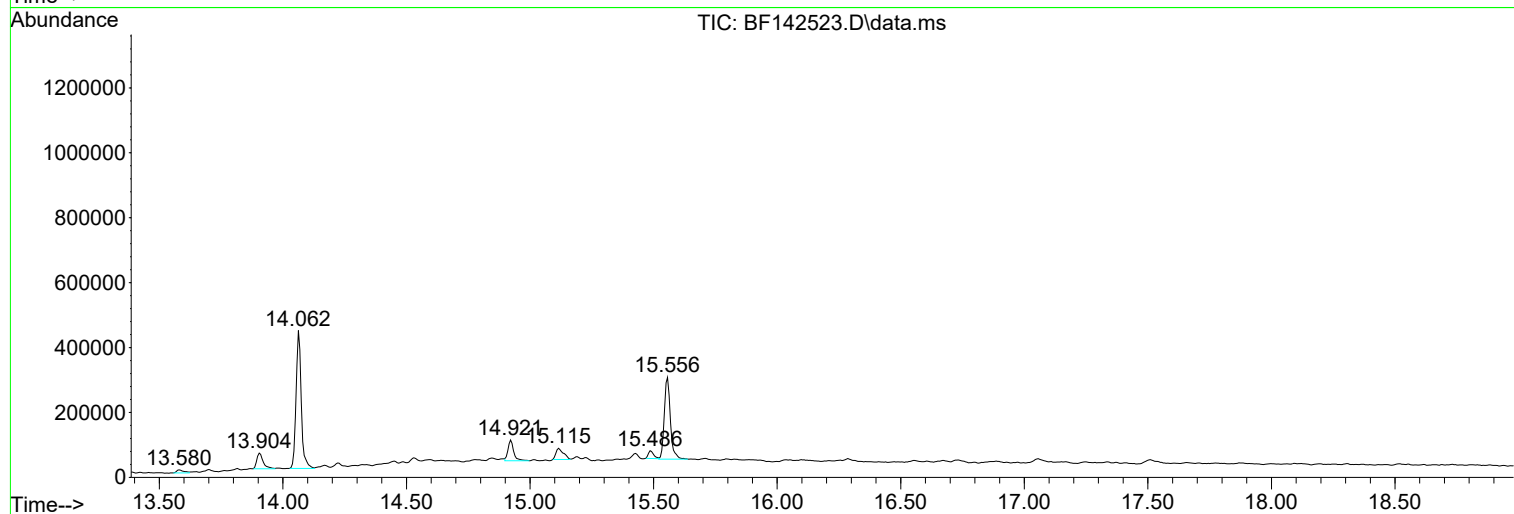
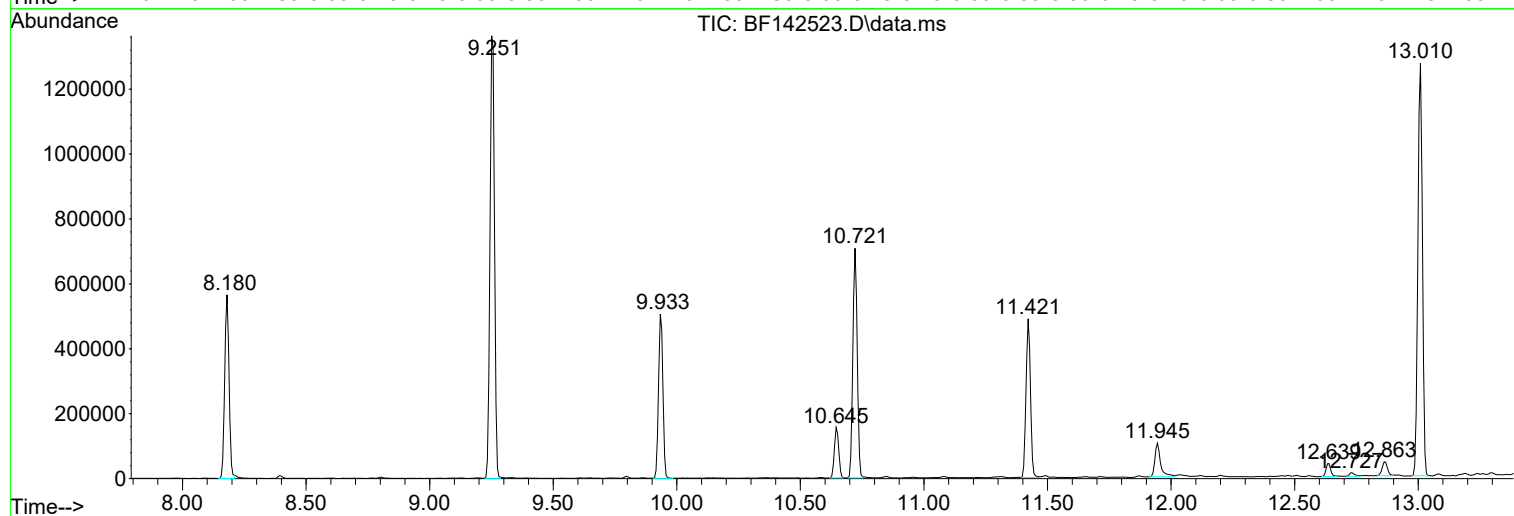
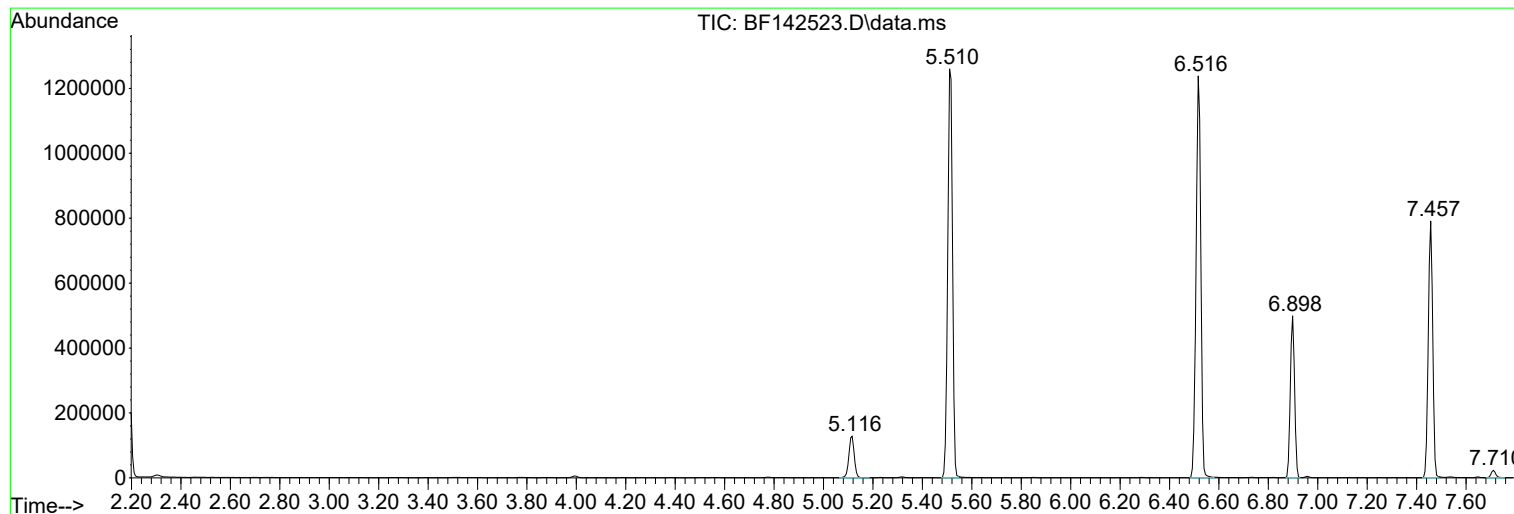
Sum of corrected areas: 13156318

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142523.D  
Acq On : 22 May 2025 21:22  
Operator : RC/JU  
Sample : Q2101-01  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1-MHE

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052025.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\_F\Data\BF052225\  
Data File : BF142523.D  
Acq On : 22 May 2025 21:22  
Operator : RC/JU  
Sample : Q2101-01  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1-MHE

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

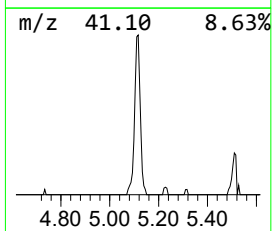
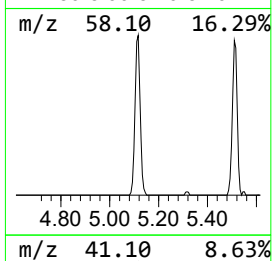
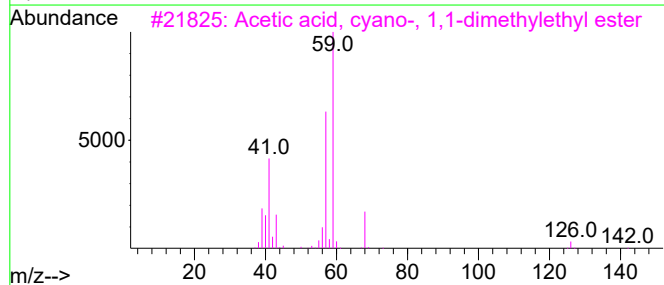
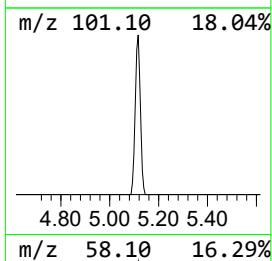
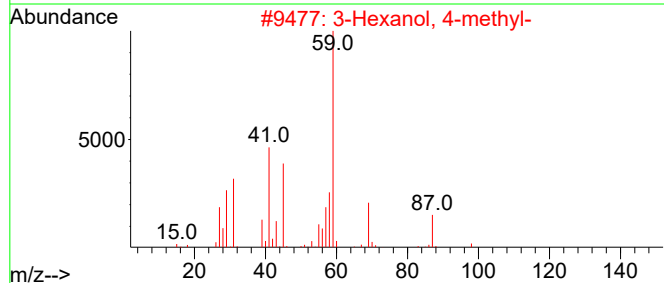
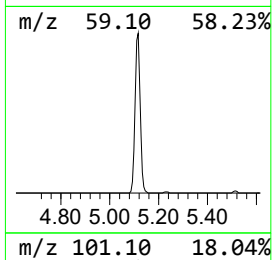
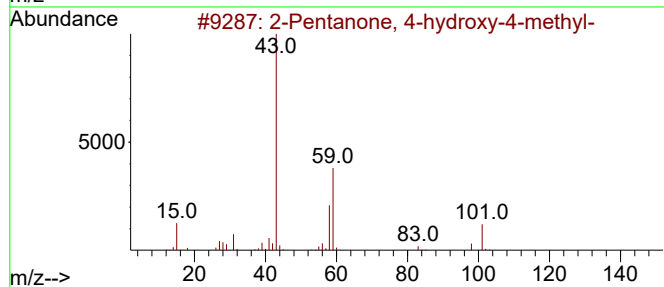
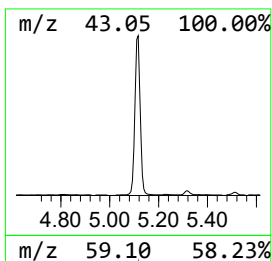
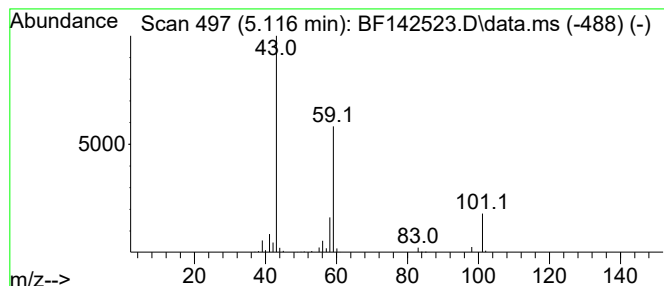
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

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

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 5.116 | 6.51 ng | 195443 | 1,4-Dichlorobenzene-d4 | 6.898 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2      | 000123-42-2 | 59      |      |      |
| 2    | 3-Hexanol, 4-methyl-                | 116 | C7H16O       | 000615-29-2 | 33      |      |      |
| 3    | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2     | 001116-98-9 | 25      |      |      |
| 4    | 1-Propen-2-ol, acetate              | 100 | C5H8O2       | 000108-22-5 | 12      |      |      |
| 5    | 3-Hydroxy-3-methyl-2-butanone       | 102 | C5H10O2      | 000115-22-0 | 9       |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142523.D  
Acq On : 22 May 2025 21:22  
Operator : RC/JU  
Sample : Q2101-01  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1-MHE

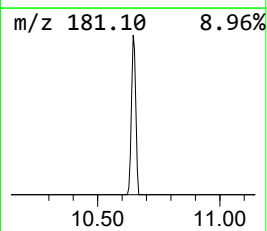
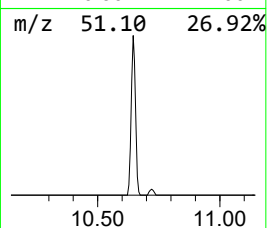
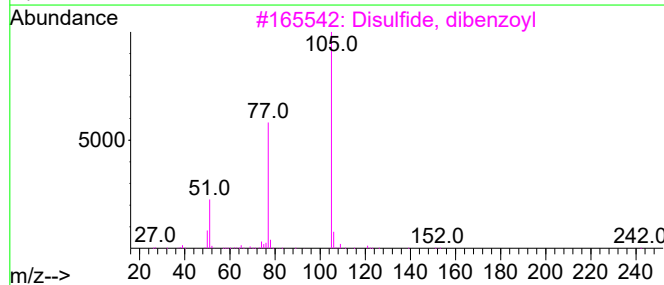
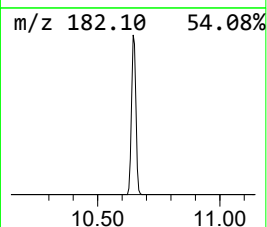
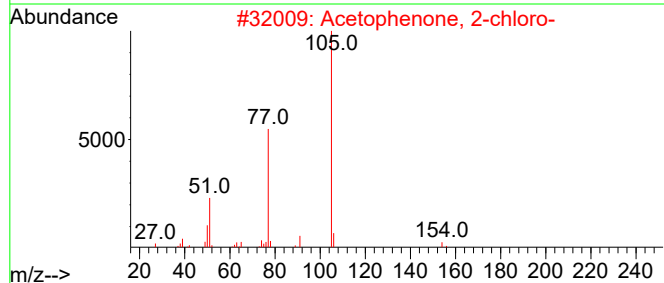
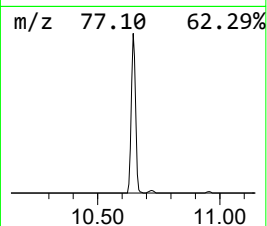
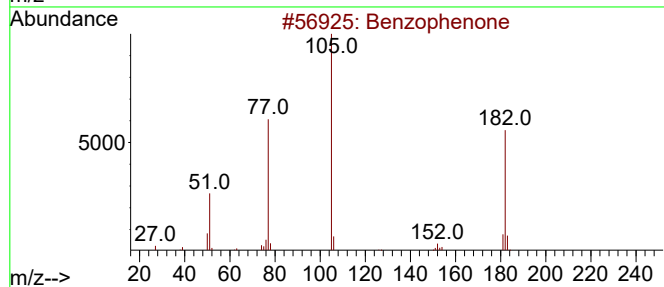
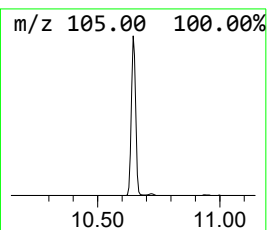
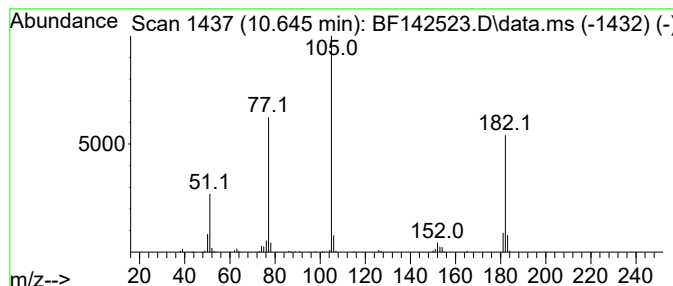
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Benzophenone Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.  |
|--------|---------|--------|------------------|-------|
| 10.645 | 6.03 ng | 188781 | Acenaphthene-d10 | 9.933 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm    | CAS#        | Qual |
|------|----|---|------------------------------------|-----|------------|-------------|------|
| 1    |    |   | Benzophenone                       | 182 | C13H10O    | 000119-61-9 | 96   |
| 2    |    |   | Acetophenone, 2-chloro-            | 154 | C8H7ClO    | 000532-27-4 | 49   |
| 3    |    |   | Disulfide, dibenzoyl               | 274 | C14H10O2S2 | 000644-32-6 | 47   |
| 4    |    |   | Benzenebutanoic acid, .gamma.-oxo- | 178 | C10H10O3   | 002051-95-8 | 47   |
| 5    |    |   | Pentafluoroethyl phenyl ketone     | 224 | C9H5F5O    | 000394-52-5 | 47   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142523.D  
Acq On : 22 May 2025 21:22  
Operator : RC/JU  
Sample : Q2101-01  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1-MHE

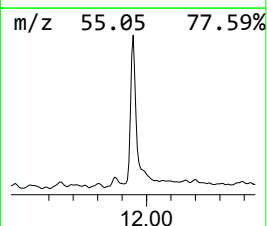
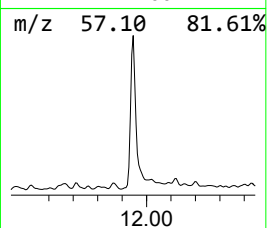
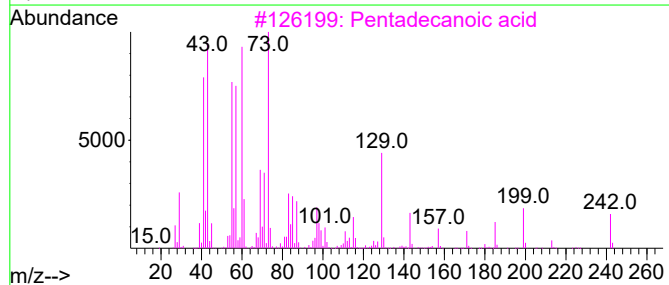
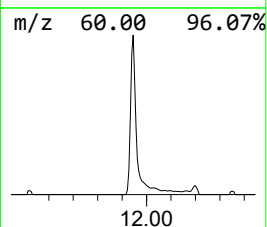
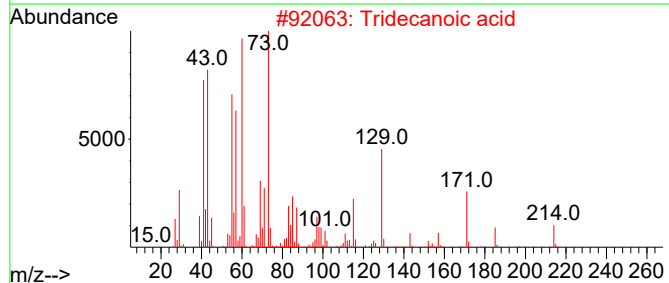
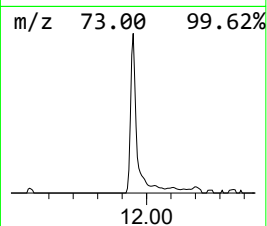
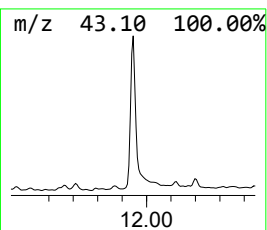
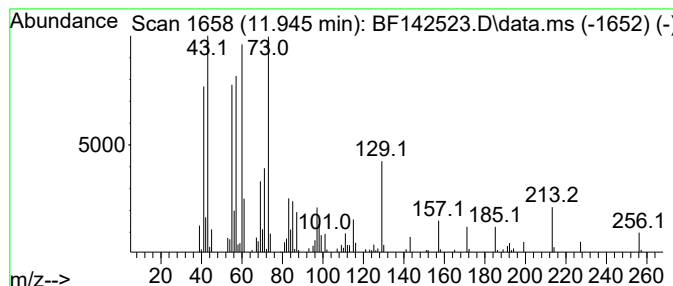
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.945 | 5.47 ng | 165972 | Phenanthrene-d10 | 11.421 |

| 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 | 93   |
| 3    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 93   |
| 4    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 83   |
| 5    |    |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 68   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142523.D  
Acq On : 22 May 2025 21:22  
Operator : RC/JU  
Sample : Q2101-01  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1-MHE

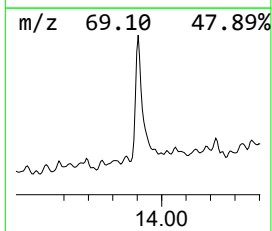
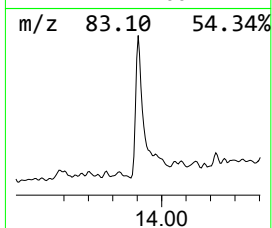
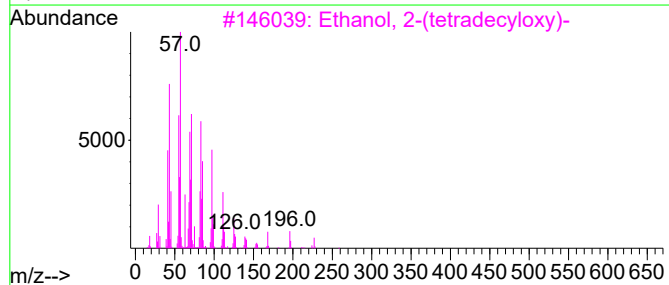
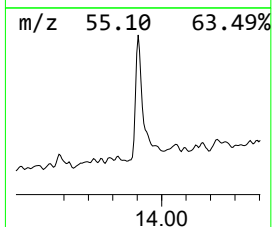
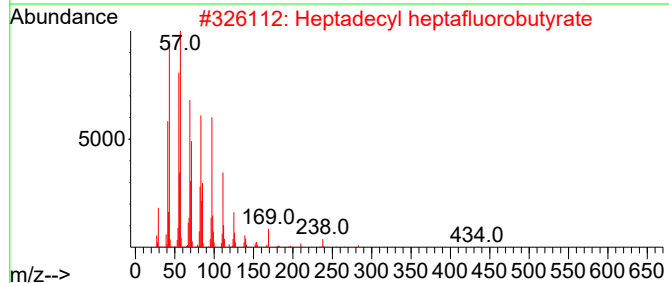
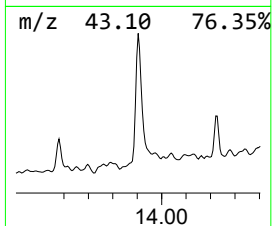
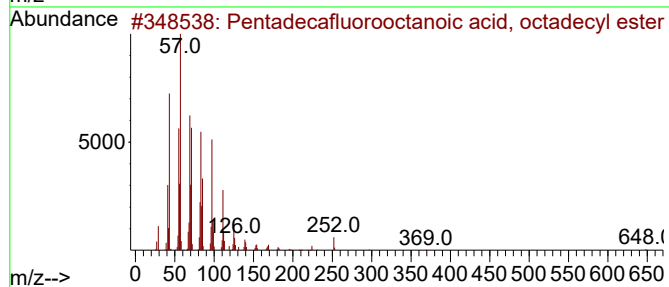
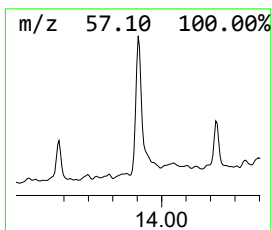
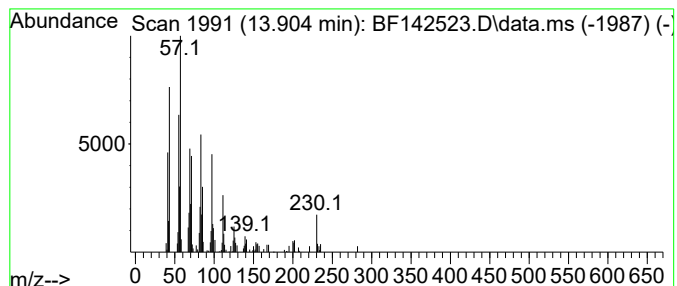
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*

Peak Number 5 Pentadecafluorooctanoic aci... Concentration Rank 5

| R.T.      | EstConc                             | Area  | Relative to ISTD |             | R.T.         |      |
|-----------|-------------------------------------|-------|------------------|-------------|--------------|------|
| 13.904    | 2.76 ng                             | 84805 | Chrysene-d12     |             | 14.062       |      |
| Hit# of 5 | Tentative ID                        |       | MW               | MolForm     | CAS#         | Qual |
| 1         | Pentadecafluorooctanoic acid, oc... |       | 666              | C26H37F15O2 | 1000406-04-8 | 93   |
| 2         | Heptadecyl heptafluorobutyrate      |       | 452              | C21H35F7O2  | 959085-66-6  | 91   |
| 3         | Ethanol, 2-(tetradecyloxy)-         |       | 258              | C16H34O2    | 002136-70-1  | 90   |
| 4         | Tricosyl heptafluorobutyrate        |       | 536              | C27H47F7O2  | 1000351-83-4 | 90   |
| 5         | Hexacosyl pentafluoropropionate     |       | 528              | C29H53F5O2  | 1000351-81-2 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142523.D  
Acq On : 22 May 2025 21:22  
Operator : RC/JU  
Sample : Q2101-01  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1-MHE

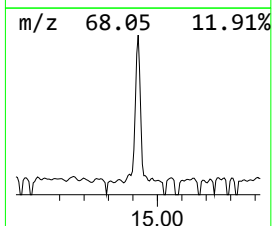
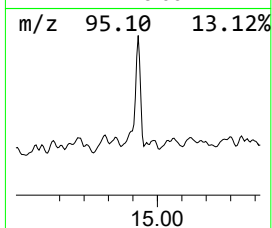
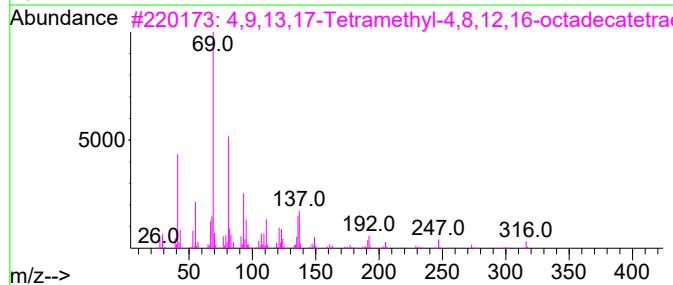
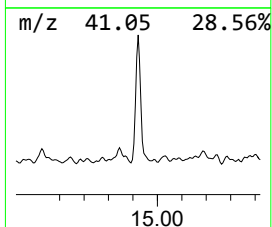
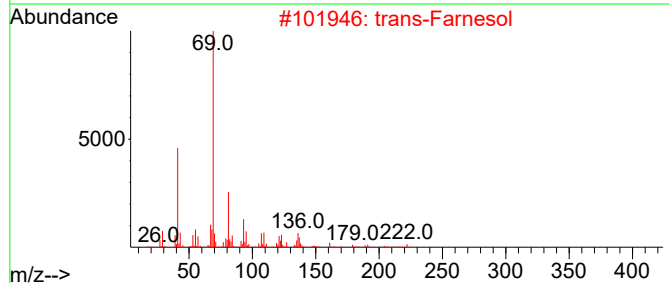
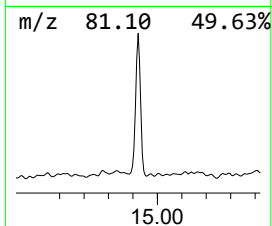
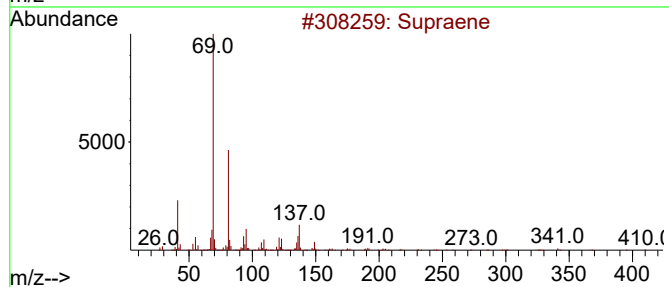
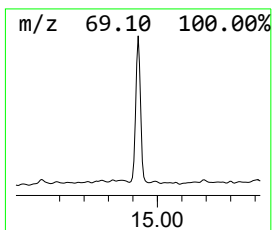
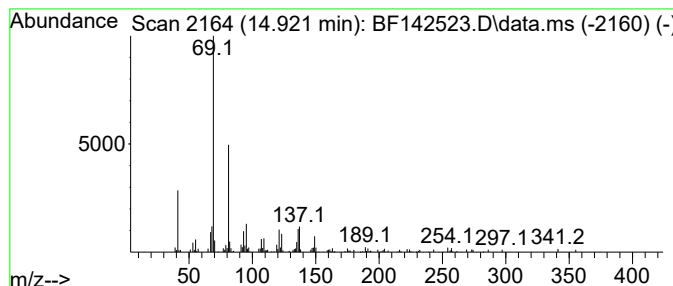
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 6 Supraene Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 14.921 | 4.76 ng | 100940 | Perylene-d12     | 15.557 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Supraene                            | 410 | C30H50    | 007683-64-9  | 90   |
| 2    |    |   | trans-Farnesol                      | 222 | C15H26O   | 000106-28-5  | 83   |
| 3    |    |   | 4,9,13,17-Tetramethyl-4,8,12,16-... | 316 | C22H36O   | 056882-09-8  | 78   |
| 4    |    |   | 3,7-Dimethyl-1-phenylsulfonyl-2,... | 278 | C16H22O2S | 1000432-27-5 | 72   |
| 5    |    |   | 1,5,9-Undecatriene, 2,6,10-trime... | 192 | C14H24    | 062951-96-6  | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142523.D  
Acq On : 22 May 2025 21:22  
Operator : RC/JU  
Sample : Q2101-01  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1-MHE

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052025.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 |
| 2-Pentanone, 4-... | 5.116  | 6.5     | ng    | 195443   | 1                     | 6.898  | 600740 | 20.0 |
| Benzophenone       | 10.645 | 6.0     | ng    | 188781   | 3                     | 9.933  | 626351 | 20.0 |
| n-Hexadecanoic ... | 11.945 | 5.5     | ng    | 165972   | 4                     | 11.421 | 606441 | 20.0 |
| Pentadecafluoro... | 13.904 | 2.8     | ng    | 84805    | 5                     | 14.062 | 615088 | 20.0 |
| Supraene           | 14.921 | 4.8     | ng    | 100940   | 6                     | 15.557 | 424302 | 20.0 |