

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
 Data File : BF142514.D  
 Acq On : 22 May 2025 17:03  
 Operator : RC/JU  
 Sample : Q2074-03  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-15

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: BF142514.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         | 5.110       | 487           | 496         | 505          | rBV      | 125847         | 184184        | 10.76%          | 1.306%        |
| 2         | 5.510       | 558           | 564         | 569          | rBV      | 1222335        | 1589884       | 92.89%          | 11.271%       |
| 3         | 6.516       | 729           | 735         | 750          | rVB      | 1249786        | 1676975       | 97.98%          | 11.888%       |
| 4         | 6.898       | 795           | 800         | 805          | rBV      | 514627         | 625296        | 36.53%          | 4.433%        |
| 5         | 7.457       | 889           | 895         | 900          | rBV      | 777014         | 983780        | 57.48%          | 6.974%        |
| 6         | 7.710       | 934           | 938         | 945          | rVB      | 19172          | 23730         | 1.39%           | 0.168%        |
| 7         | 8.181       | 1012          | 1018        | 1023         | rBV      | 635810         | 781917        | 45.68%          | 5.543%        |
| 8         | 9.251       | 1195          | 1200        | 1205         | rBV      | 1352761        | 1711618       | 100.00%         | 12.134%       |
| 9         | 9.934       | 1311          | 1316        | 1326         | rVB      | 652758         | 807665        | 47.19%          | 5.725%        |
| 10        | 10.645      | 1432          | 1437        | 1445         | rBV      | 379487         | 474124        | 27.70%          | 3.361%        |
| 11        | 10.722      | 1445          | 1450        | 1460         | rVB      | 882326         | 1107524       | 64.71%          | 7.851%        |
| 12        | 10.957      | 1485          | 1490        | 1497         | rVB      | 73093          | 88008         | 5.14%           | 0.624%        |
| 13        | 11.422      | 1564          | 1569        | 1576         | rBV      | 646400         | 798504        | 46.65%          | 5.661%        |
| 14        | 11.945      | 1653          | 1658        | 1670         | rBV2     | 136904         | 216257        | 12.63%          | 1.533%        |
| 15        | 12.445      | 1738          | 1743        | 1750         | rBV      | 22803          | 34589         | 2.02%           | 0.245%        |
| 16        | 12.639      | 1772          | 1776        | 1779         | rBV      | 12924          | 19741         | 1.15%           | 0.140%        |
| 17        | 12.733      | 1787          | 1792        | 1800         | rBV6     | 15815          | 34460         | 2.01%           | 0.244%        |
| 18        | 12.827      | 1804          | 1808        | 1811         | rBV      | 16752          | 21754         | 1.27%           | 0.154%        |
| 19        | 12.869      | 1811          | 1815        | 1824         | rVB2     | 12945          | 32519         | 1.90%           | 0.231%        |
| 20        | 13.010      | 1833          | 1839        | 1844         | rBV      | 1290327        | 1673459       | 97.77%          | 11.863%       |
| 21        | 13.316      | 1888          | 1891        | 1894         | rVB5     | 16328          | 19877         | 1.16%           | 0.141%        |
| 22        | 13.904      | 1986          | 1991        | 2000         | rBV      | 63745          | 120598        | 7.05%           | 0.855%        |
| 23        | 14.063      | 2013          | 2018        | 2028         | rVB      | 451126         | 600979        | 35.11%          | 4.260%        |
| 24        | 15.557      | 2266          | 2272        | 2283         | rVB      | 292279         | 479022        | 27.99%          | 3.396%        |

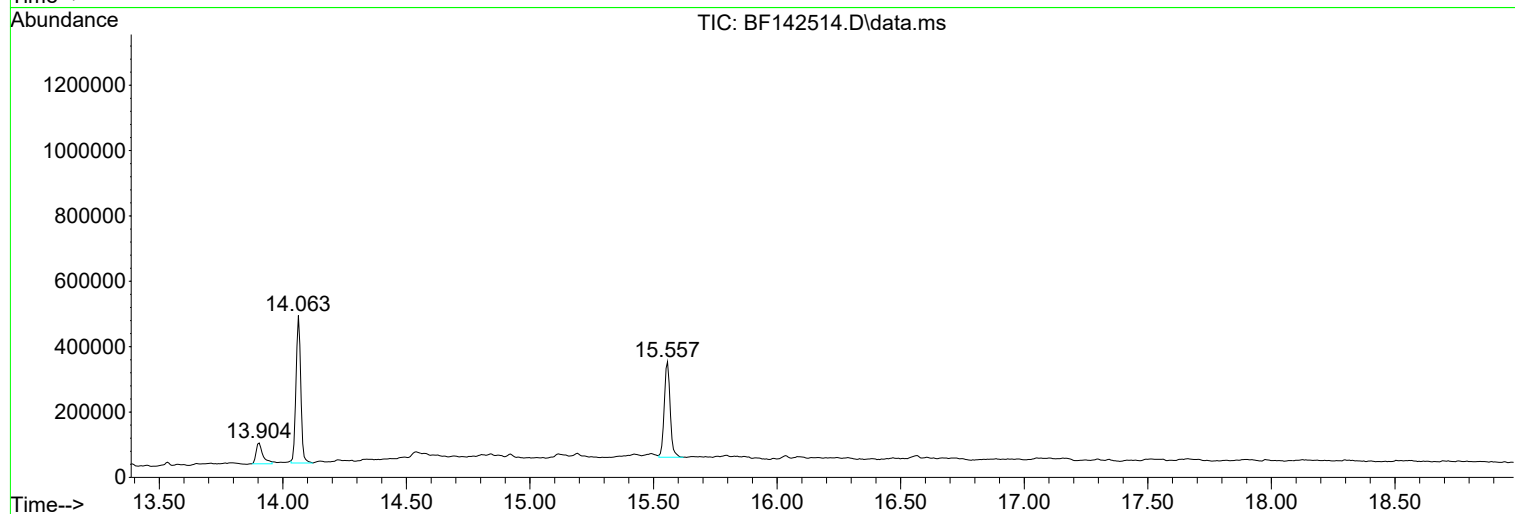
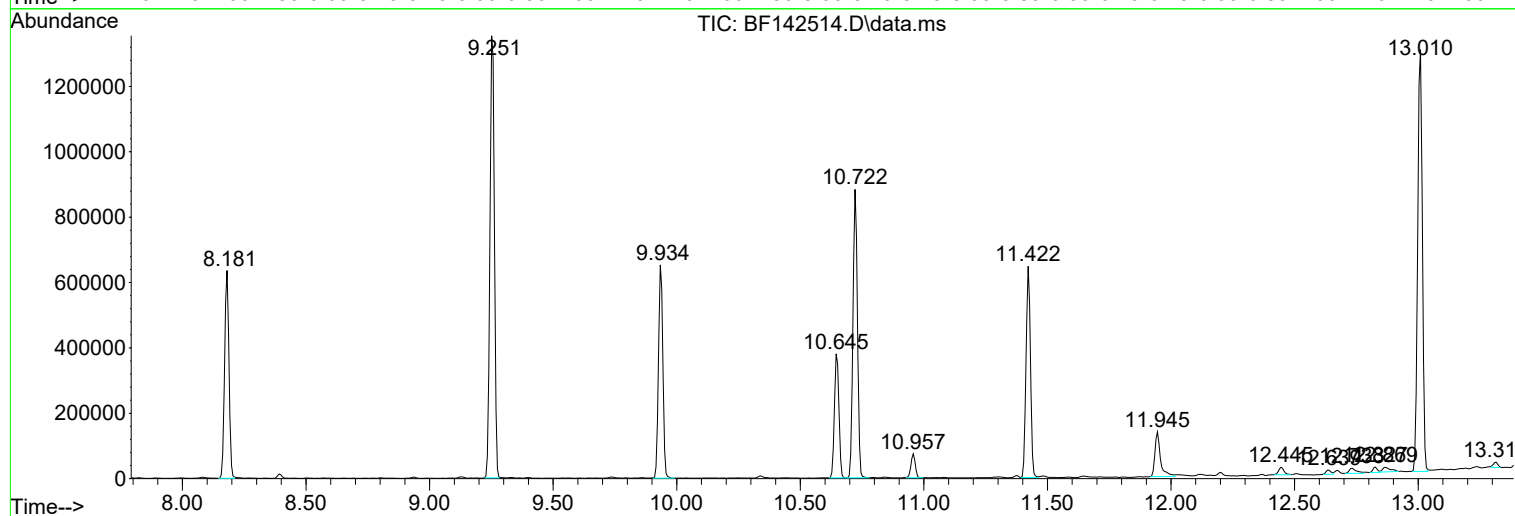
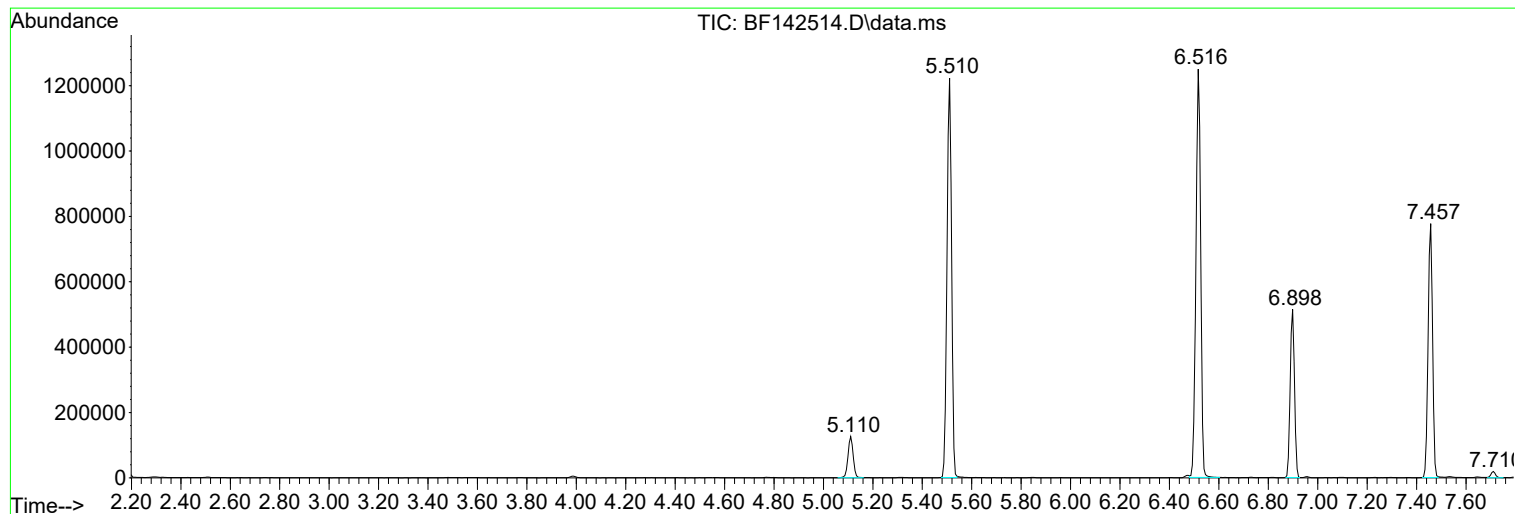
Sum of corrected areas: 14106464

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142514.D  
Acq On : 22 May 2025 17:03  
Operator : RC/JU  
Sample : Q2074-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-15

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 : BF142514.D  
Acq On : 22 May 2025 17:03  
Operator : RC/JU  
Sample : Q2074-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-15

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

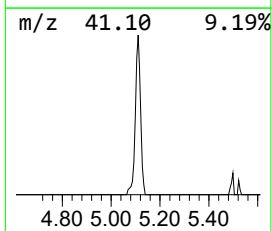
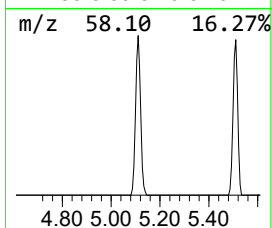
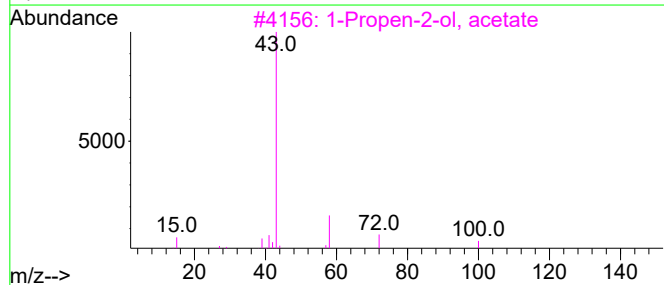
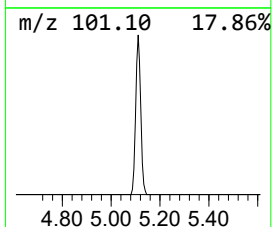
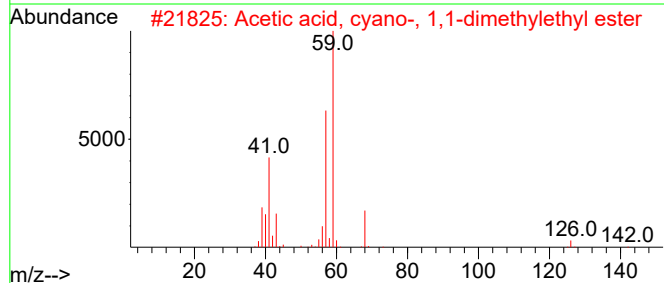
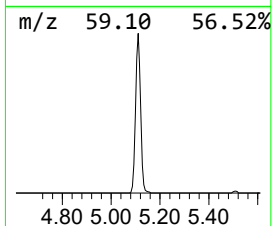
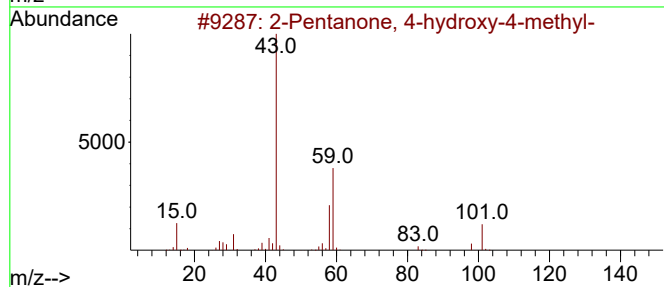
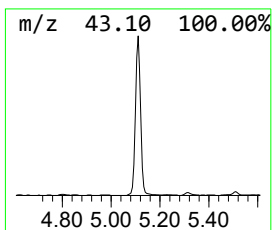
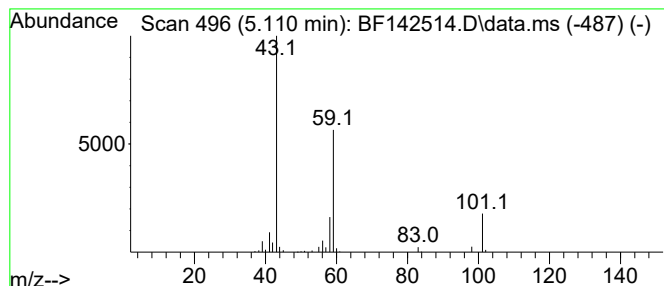
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

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

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 5.110 | 5.89 ng | 184184 | 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    | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2     | 001116-98-9 | 25      |      |      |
| 3    | 1-Propen-2-ol, acetate              | 100 | C5H8O2       | 000108-22-5 | 12      |      |      |
| 4    | Morpholine, 4-methyl-               | 101 | C5H11NO      | 000109-02-4 | 9       |      |      |
| 5    | 2,3-Butanedione, monooxime          | 101 | C4H7NO2      | 000057-71-6 | 9       |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142514.D  
Acq On : 22 May 2025 17:03  
Operator : RC/JU  
Sample : Q2074-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-15

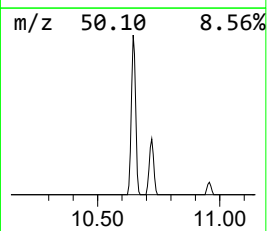
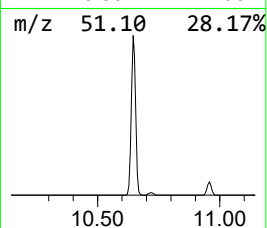
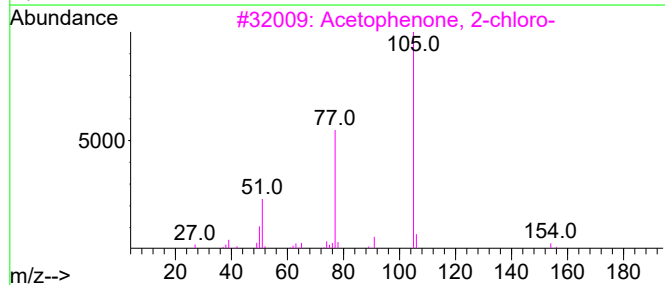
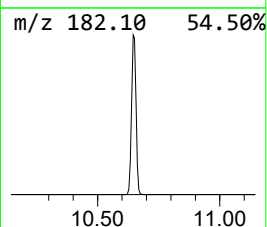
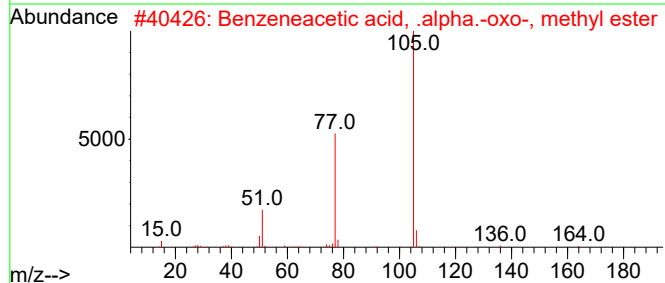
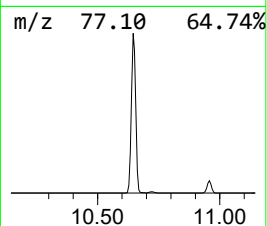
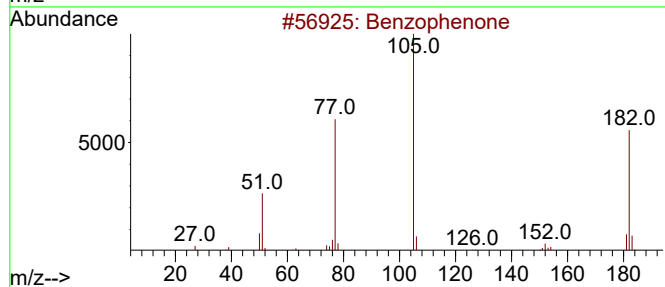
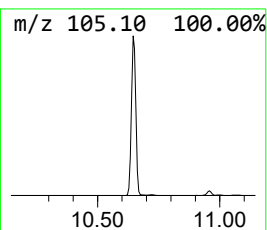
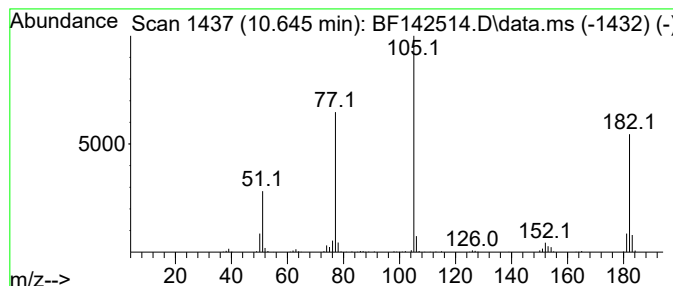
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Benzophenone Concentration Rank 1

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.  |
|--------|----------|--------|------------------|-------|
| 10.645 | 11.74 ng | 474124 | Acenaphthene-d10 | 9.934 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzophenone                        | 182 | C13H10O | 000119-61-9 | 96   |
| 2    |    |   | Benzeneacetic acid, .alpha.-oxo-... | 164 | C9H8O3  | 015206-55-0 | 49   |
| 3    |    |   | Acetophenone, 2-chloro-             | 154 | C8H7ClO | 000532-27-4 | 47   |
| 4    |    |   | Benzenepropanenitrile, .beta.-oxo-  | 145 | C9H7NO  | 000614-16-4 | 47   |
| 5    |    |   | 1-Propanone, 2-bromo-1-phenyl-      | 212 | C9H9BrO | 002114-00-3 | 47   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142514.D  
Acq On : 22 May 2025 17:03  
Operator : RC/JU  
Sample : Q2074-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-15

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

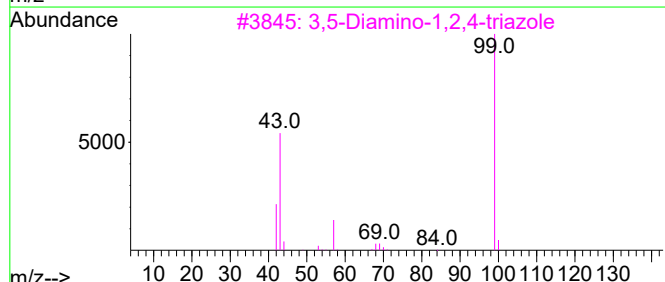
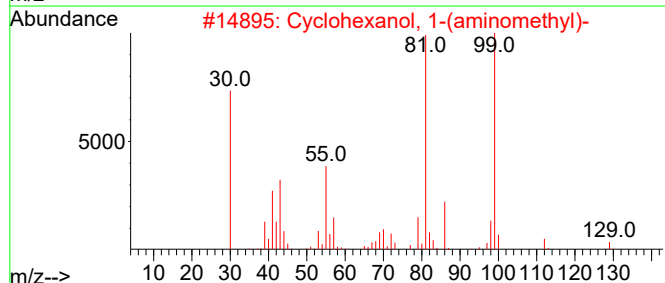
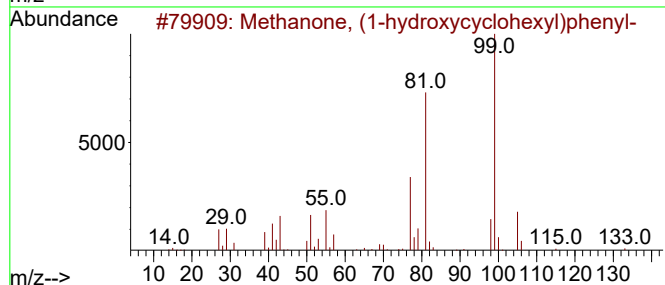
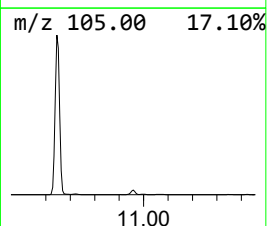
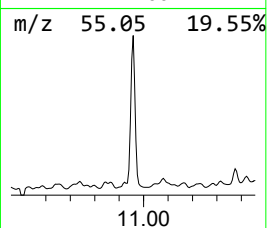
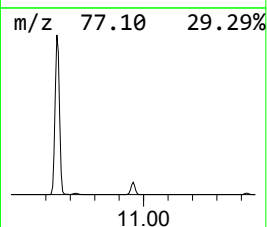
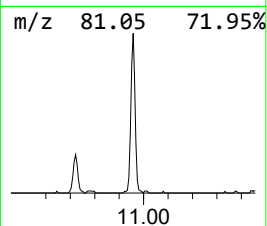
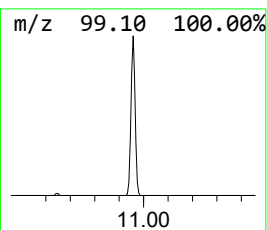
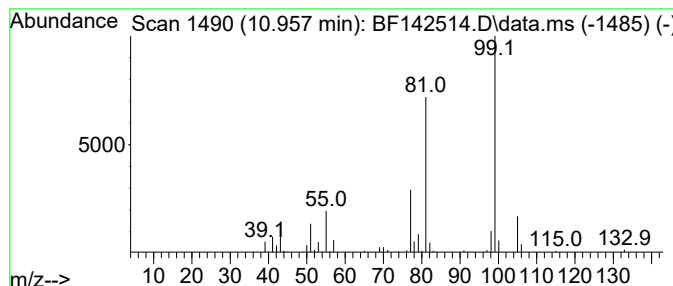
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 3 Methanone, (1-hydroxycyclohexyl) Concentration Rank 5

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 10.957 | 2.20 ng | 88008 | Phenanthrene-d10 | 11.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Methanone, (1-hydroxycyclohexyl)... | 204 | C13H16O2  | 000947-19-3 | 91   |
| 2    |    |   | Cyclohexanol, 1-(aminomethyl)-      | 129 | C7H15NO   | 004000-72-0 | 50   |
| 3    |    |   | 3,5-Diamino-1,2,4-triazole          | 99  | C2H5N5    | 001455-77-2 | 43   |
| 4    |    |   | 3-Methylcyclohexyl methylphospho... | 194 | C8H16FO2P | 113548-86-0 | 38   |
| 5    |    |   | 1-Hydroxycyclohexanecarboxylic acid | 144 | C7H12O3   | 001123-28-0 | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142514.D  
Acq On : 22 May 2025 17:03  
Operator : RC/JU  
Sample : Q2074-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-15

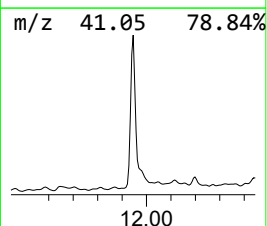
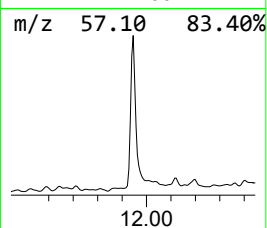
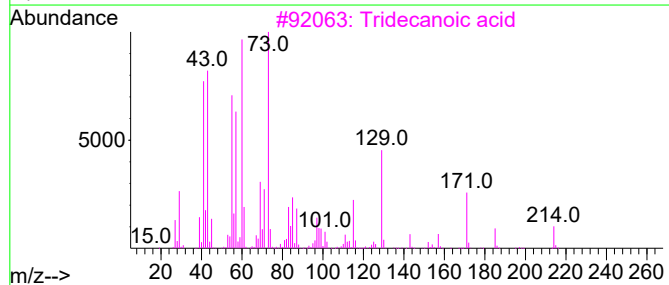
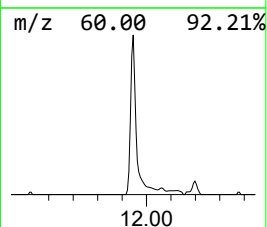
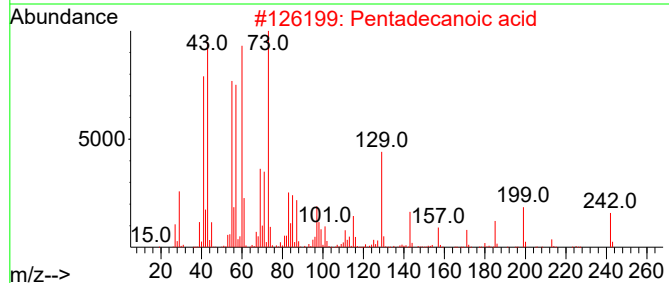
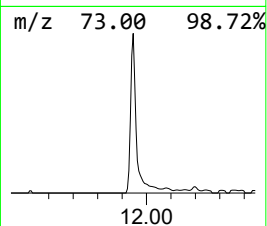
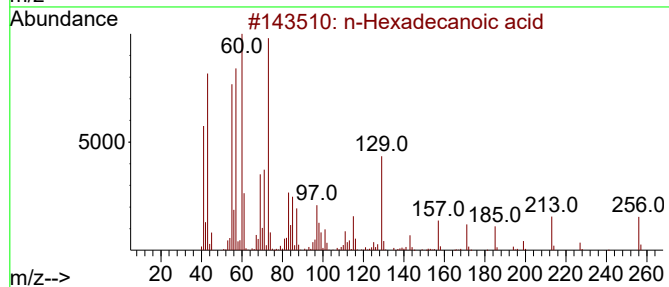
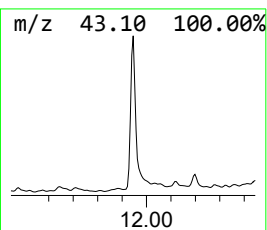
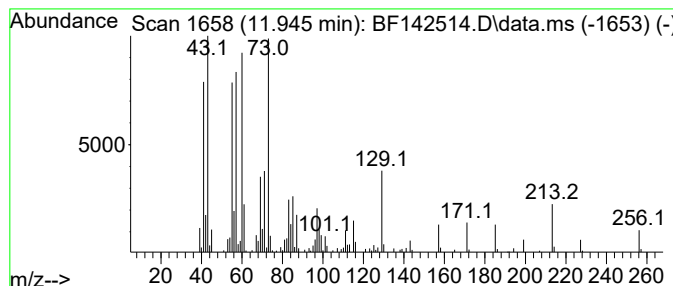
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.945 | 5.42 ng | 216257 | Phenanthrene-d10 | 11.422 |

| 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 | 90   |
| 3    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 89   |
| 4    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 83   |
| 5    |    |   | Undecanoic acid     | 186 | C11H22O2 | 000112-37-8 | 70   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142514.D  
Acq On : 22 May 2025 17:03  
Operator : RC/JU  
Sample : Q2074-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-15

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

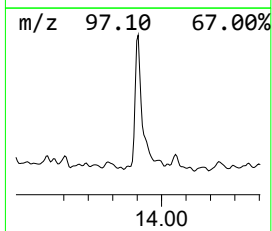
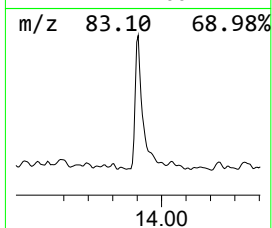
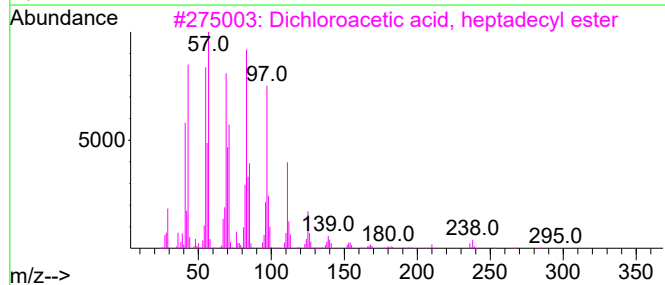
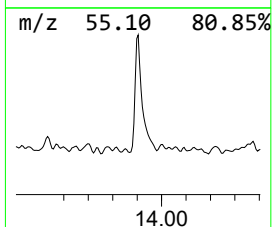
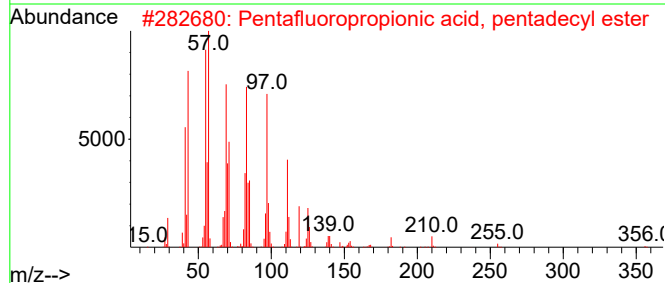
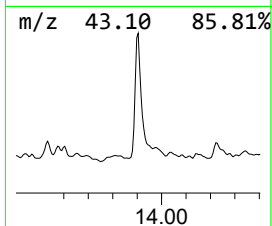
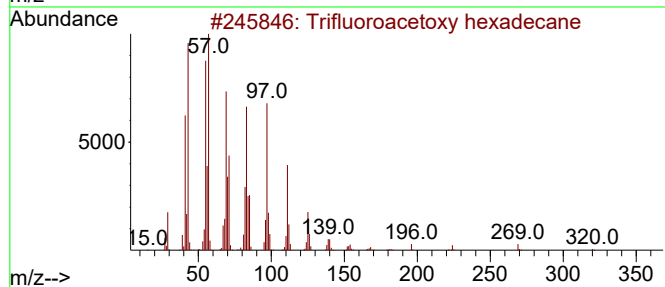
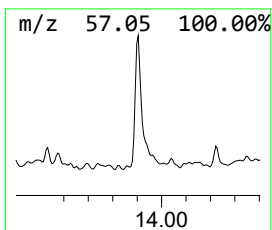
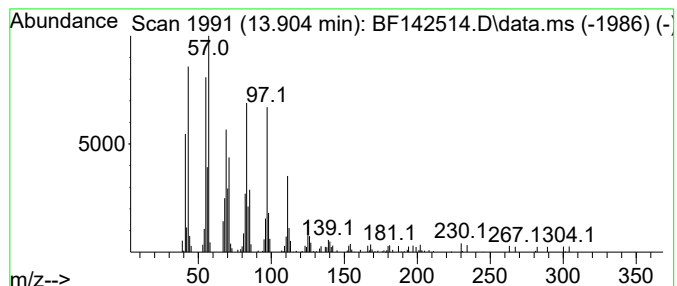
\*\*\*\*\*

Peak Number 5 Trifluoroacetoxy hexadecane Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.904 | 4.01 ng | 120598 | Chrysene-d12     | 14.063 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Trifluoroacetoxy hexadecane         | 338 | C18H33F3O2  | 006222-03-3  | 95   |
| 2    |    |   | Pentafluoropropionic acid, penta... | 374 | C18H31F5O2  | 959092-08-1  | 95   |
| 3    |    |   | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 95   |
| 4    |    |   | Pentafluoropropionic acid, hexad... | 388 | C19H33F5O2  | 006222-07-7  | 93   |
| 5    |    |   | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2  | 959010-23-2  | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
Data File : BF142514.D  
Acq On : 22 May 2025 17:03  
Operator : RC/JU  
Sample : Q2074-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-15

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-... | 5.110  | 5.9     | ng    | 184184   | 1                     | 6.898  | 625296 | 20.0 |
| Benzophenone       | 10.645 | 11.7    | ng    | 474124   | 3                     | 9.934  | 807665 | 20.0 |
| Methanone, (1-h... | 10.957 | 2.2     | ng    | 88008    | 4                     | 11.422 | 798504 | 20.0 |
| n-Hexadecanoic ... | 11.945 | 5.4     | ng    | 216257   | 4                     | 11.422 | 798504 | 20.0 |
| Trifluoroacetox... | 13.904 | 4.0     | ng    | 120598   | 5                     | 14.063 | 600979 | 20.0 |