

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062425\  
 Data File : BF142820.D  
 Acq On : 24 Jun 2025 15:28  
 Operator : RC/JU  
 Sample : Q2372-01  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GAV1W

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-BF061925.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142820.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         | 5.493       | 556           | 561         | 575          | rVB      | 762688         | 1006374       | 5.93%           | 2.576%        |
| 2         | 5.828       | 612           | 618         | 641          | rVB      | 282298         | 371523        | 2.19%           | 0.951%        |
| 3         | 6.504       | 728           | 733         | 745          | rVB      | 482054         | 614707        | 3.62%           | 1.574%        |
| 4         | 6.881       | 791           | 797         | 802          | rBV      | 307995         | 392587        | 2.31%           | 1.005%        |
| 5         | 7.440       | 877           | 892         | 909          | rBV2     | 1273728        | 3104160       | 18.30%          | 7.946%        |
| 6         | 8.069       | 992           | 999         | 1010         | rBV      | 261159         | 361822        | 2.13%           | 0.926%        |
| 7         | 8.163       | 1010          | 1015        | 1020         | rVB      | 387743         | 470338        | 2.77%           | 1.204%        |
| 8         | 9.181       | 1174          | 1188        | 1193         | rBV      | 1651213        | 4249157       | 25.05%          | 10.877%       |
| 9         | 9.239       | 1193          | 1198        | 1202         | rVV      | 1638930        | 2130040       | 12.56%          | 5.453%        |
| 10        | 9.275       | 1202          | 1204        | 1215         | rVB      | 264201         | 303612        | 1.79%           | 0.777%        |
| 11        | 9.681       | 1268          | 1273        | 1285         | rVB      | 775771         | 1022717       | 6.03%           | 2.618%        |
| 12        | 9.916       | 1308          | 1313        | 1318         | rVB      | 349698         | 449373        | 2.65%           | 1.150%        |
| 13        | 10.598      | 1409          | 1429        | 1438         | rBV      | 4246983        | 16964197      | 100.00%         | 43.426%       |
| 14        | 10.669      | 1438          | 1441        | 1444         | rVV      | 234987         | 329606        | 1.94%           | 0.844%        |
| 15        | 10.710      | 1444          | 1448        | 1461         | rVB      | 842321         | 1204220       | 7.10%           | 3.083%        |
| 16        | 11.410      | 1562          | 1567        | 1572         | rBV      | 359841         | 448603        | 2.64%           | 1.148%        |
| 17        | 11.739      | 1615          | 1623        | 1636         | rBV      | 1607680        | 3006321       | 17.72%          | 7.696%        |
| 18        | 12.998      | 1832          | 1837        | 1842         | rBV      | 1336671        | 1723629       | 10.16%          | 4.412%        |
| 19        | 14.051      | 2012          | 2016        | 2028         | rVB      | 377933         | 518407        | 3.06%           | 1.327%        |
| 20        | 15.545      | 2264          | 2270        | 2279         | rVB      | 247992         | 393595        | 2.32%           | 1.008%        |

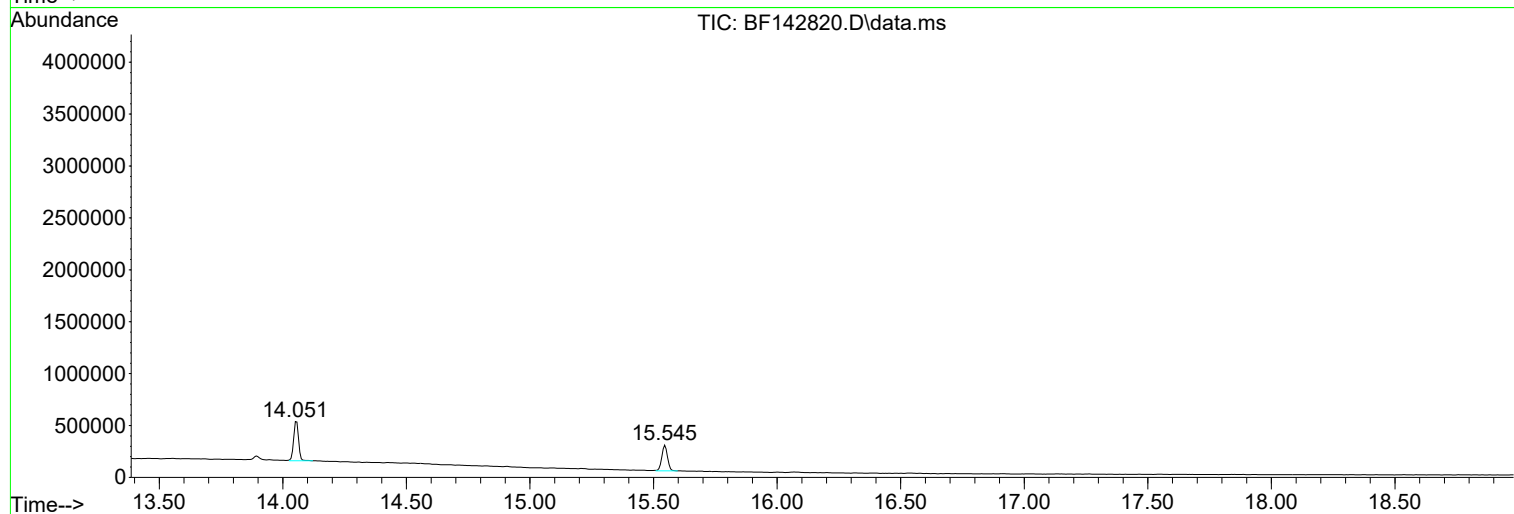
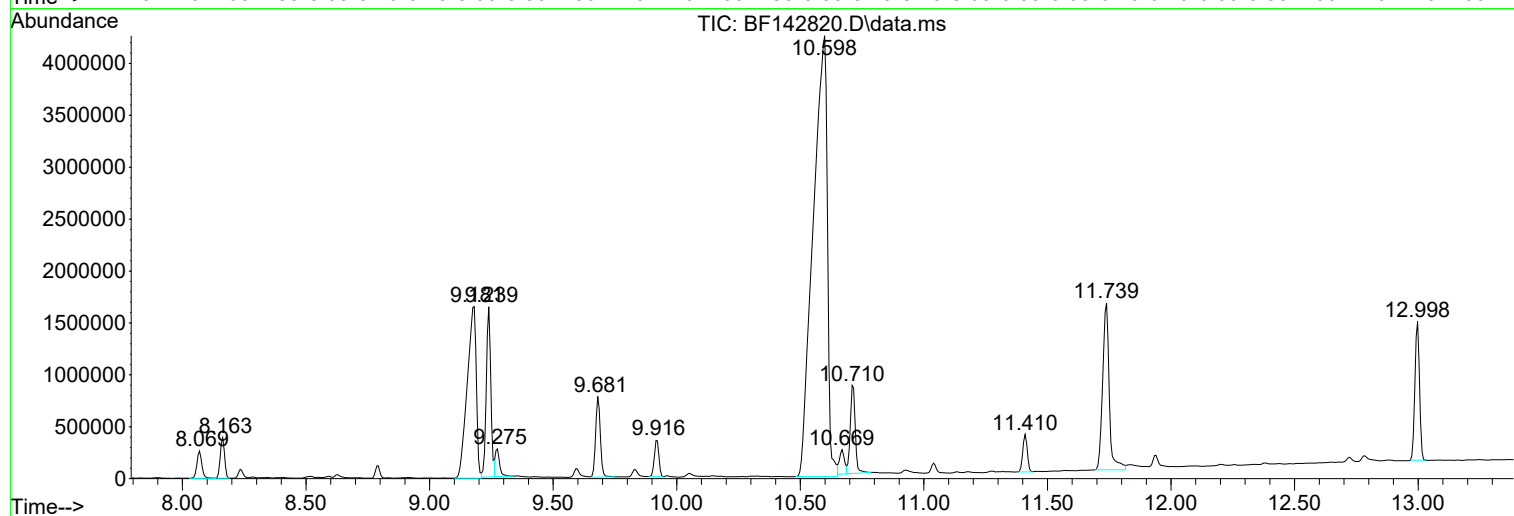
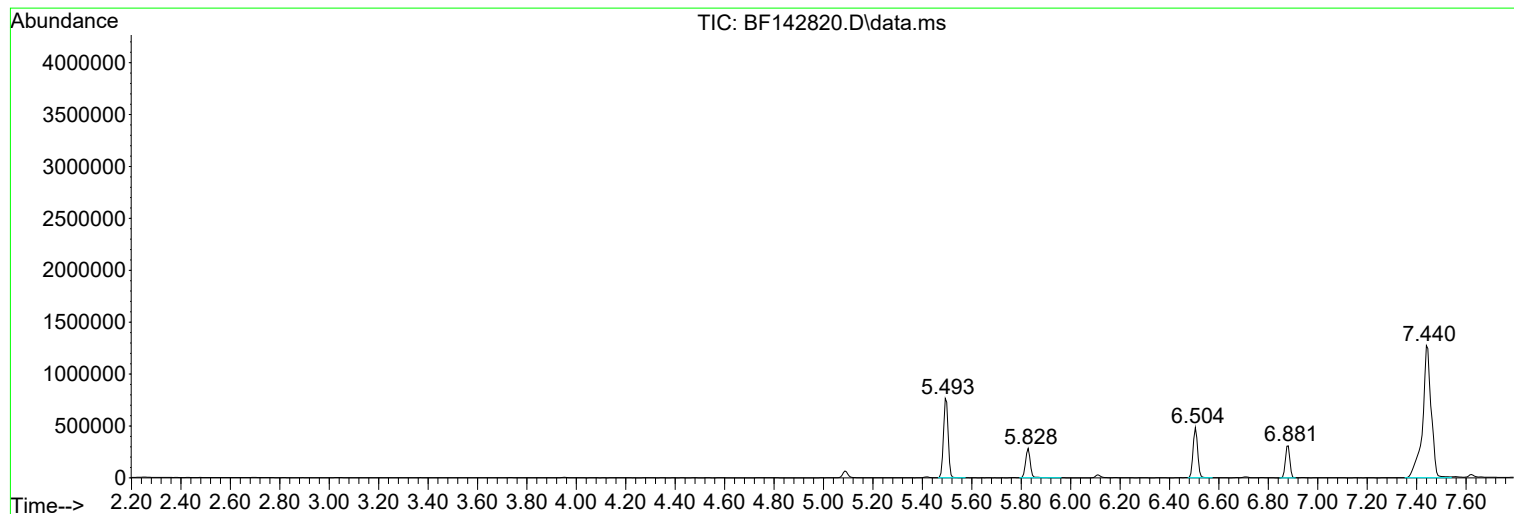
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Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GAV1W

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.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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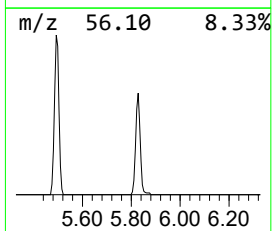
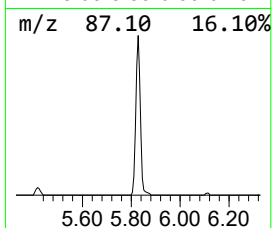
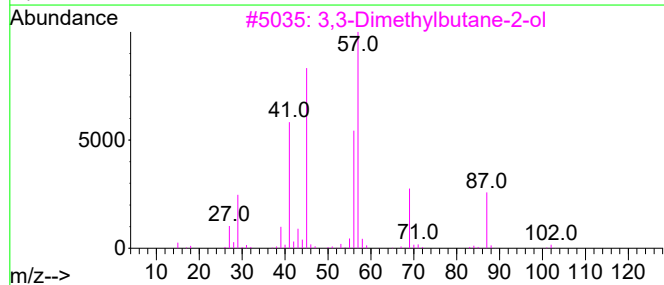
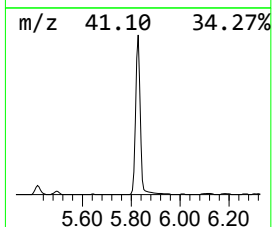
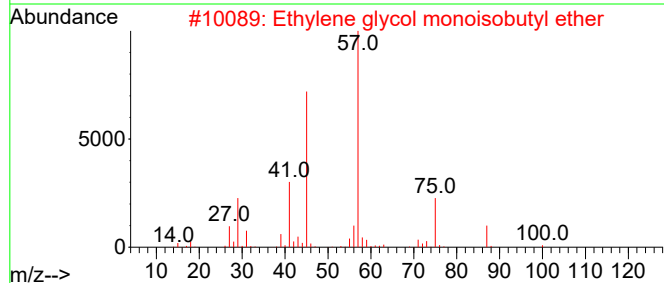
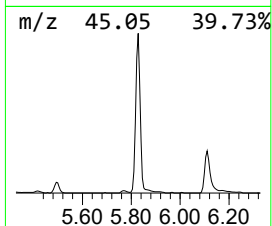
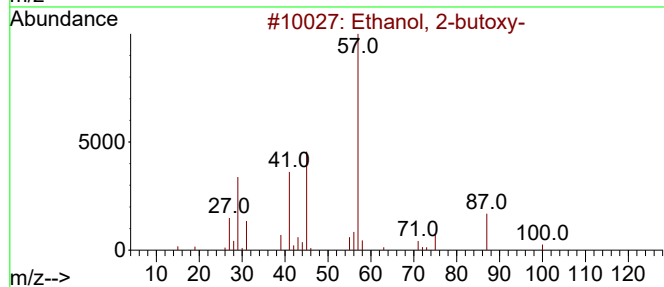
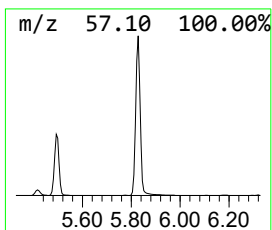
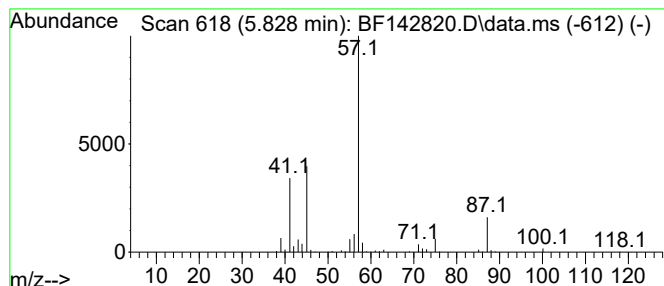
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Ethanol, 2-butoxy- Concentration Rank 5

| R.T.  | EstConc  | Area   | Relative to ISTD       | R.T.  |
|-------|----------|--------|------------------------|-------|
| 5.828 | 18.93 ng | 371523 | 1,4-Dichlorobenzene-d4 | 6.881 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Ethanol, 2-butoxy-                  | 118 | C6H14O2 | 000111-76-2 | 83   |
| 2    |    |   | Ethylene glycol monoisobutyl ether  | 118 | C6H14O2 | 004439-24-1 | 50   |
| 3    |    |   | 3,3-Dimethylbutane-2-ol             | 102 | C6H14O  | 000464-07-3 | 33   |
| 4    |    |   | n-Butyl ether                       | 130 | C8H18O  | 000142-96-1 | 12   |
| 5    |    |   | Propanoic acid, 2-methylpropyl e... | 130 | C7H14O2 | 000540-42-1 | 12   |



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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GAV1W

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

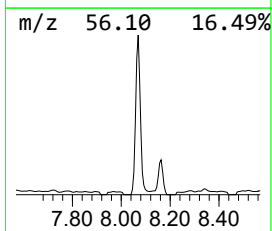
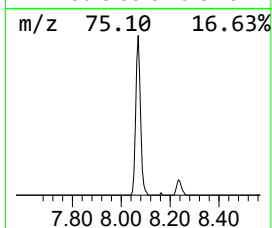
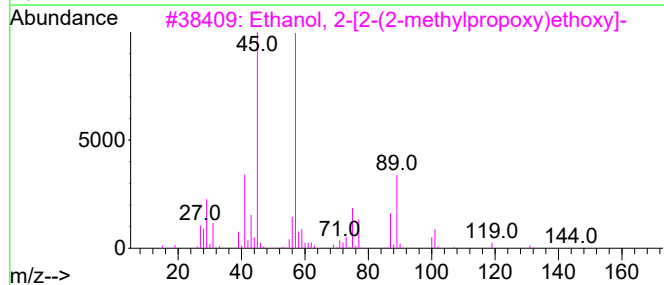
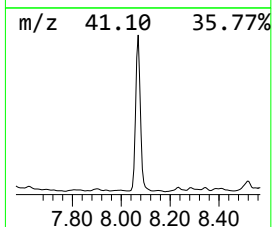
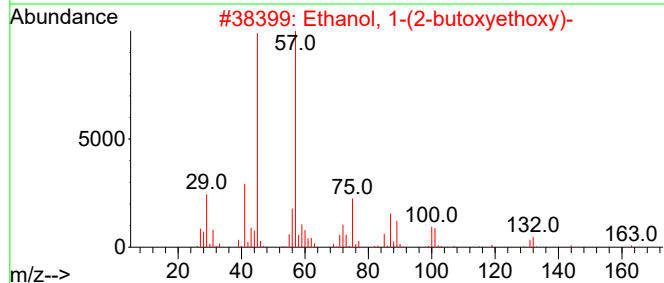
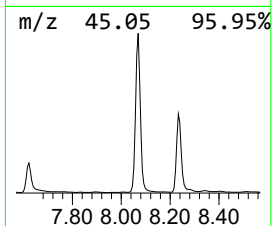
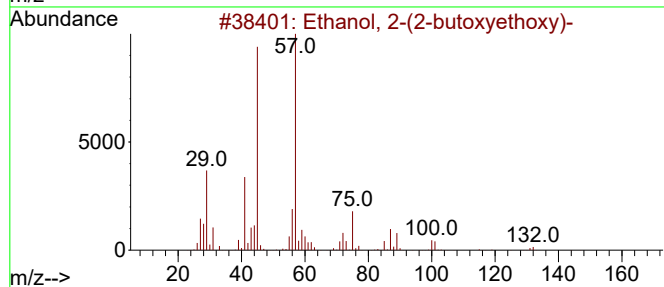
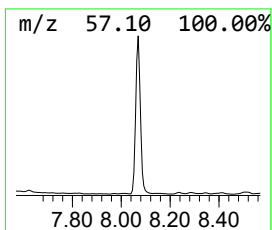
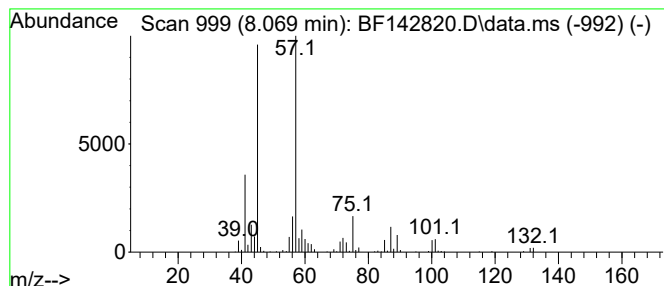
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 6

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 8.069 | 15.39 ng | 361822 | Naphthalene-d8   | 8.163 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Ethanol, 2-(2-butoxyethoxy)-        | 162 | C8H18O3  | 000112-34-5 | 90   |
| 2    |    |   | Ethanol, 1-(2-butoxyethoxy)-        | 162 | C8H18O3  | 054446-78-5 | 83   |
| 3    |    |   | Ethanol, 2-[2-(2-methylpropoxy)e... | 162 | C8H18O3  | 018912-80-6 | 56   |
| 4    |    |   | Ethanol, 2-[2-(2-butoxyethoxy)et... | 206 | C10H22O4 | 000143-22-6 | 56   |
| 5    |    |   | 3,3-Dimethylbutane-2-ol             | 102 | C6H14O   | 000464-07-3 | 53   |



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Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GAV1W

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

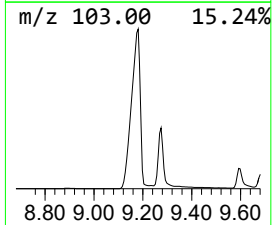
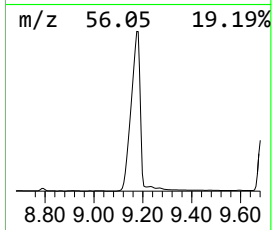
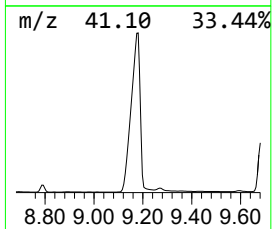
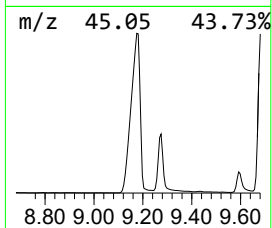
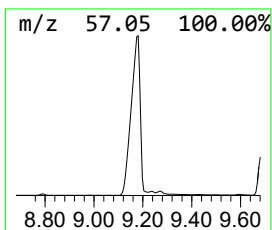
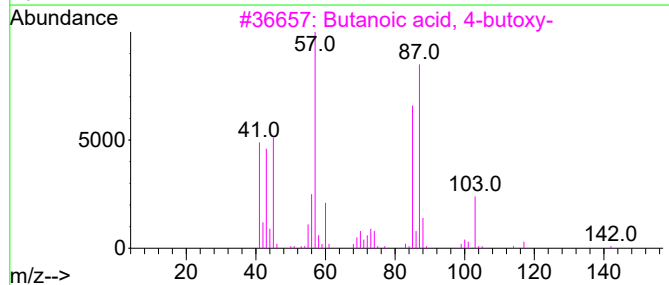
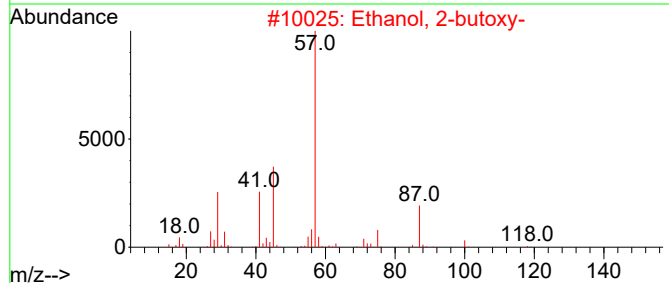
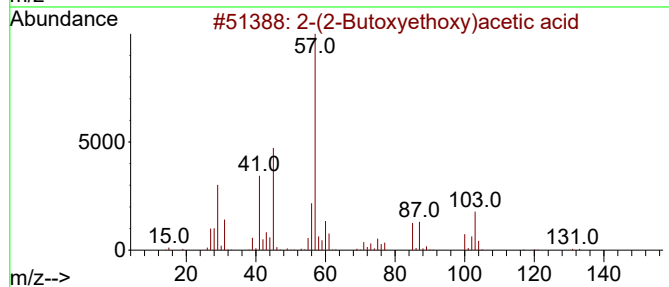
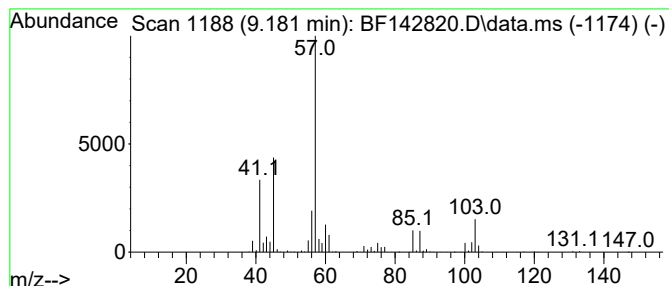
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Peak Number 3 2-(2-Butoxyethoxy)acetic acid Concentration Rank 2

| R.T.  | EstConc   | Area    | Relative to ISTD | R.T.  |
|-------|-----------|---------|------------------|-------|
| 9.181 | 189.12 ng | 4249160 | Acenaphthene-d10 | 9.922 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|------|-------------------------------------|-----|----------|--------------|------|
| 1    |      | 2-(2-Butoxyethoxy)acetic acid       | 176 | C8H16O4  | 082941-26-2  | 72   |
| 2    |      | Ethanol, 2-butoxy-                  | 118 | C6H14O2  | 000111-76-2  | 43   |
| 3    |      | Butanoic acid, 4-butoxy-            | 160 | C8H16O3  | 055724-73-7  | 42   |
| 4    |      | Carbonic acid, bis(1-methylpropy... | 174 | C9H18O3  | 000623-63-2  | 40   |
| 5    |      | Isobutyl pentan-2-yl carbonate      | 188 | C10H20O3 | 1010372-76-8 | 40   |



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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GAV1W

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

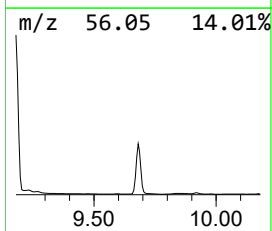
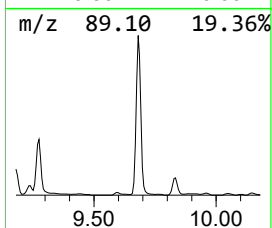
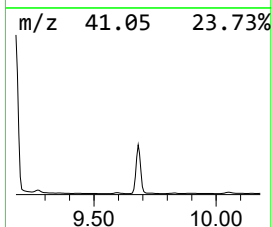
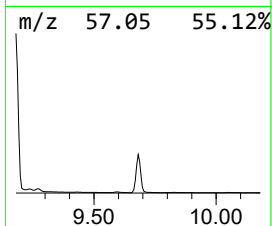
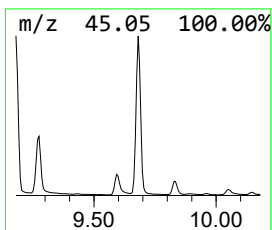
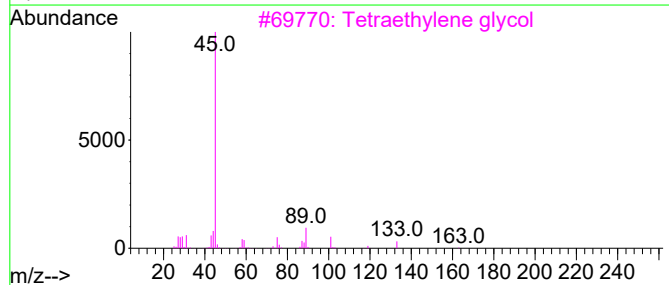
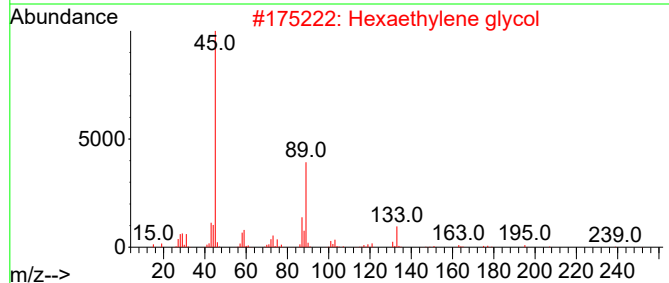
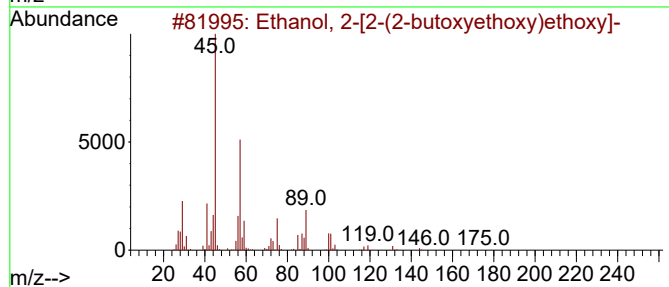
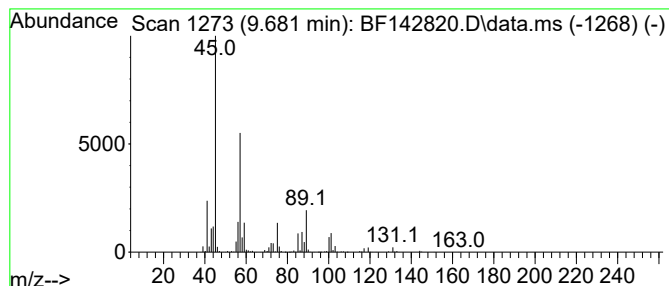
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Ethanol, 2-[2-(2-butoxyetho... Concentration Rank 4

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 9.681 | 45.52 ng | 1022720 | Acenaphthene-d10 | 9.922 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Ethanol, 2-[2-(2-butoxyethoxy)et... | 206 | C10H22O4 | 000143-22-6 | 91   |
| 2    |    |   | Hexaethylene glycol                 | 282 | C12H26O7 | 002615-15-8 | 80   |
| 3    |    |   | Tetraethylene glycol                | 194 | C8H18O5  | 000112-60-7 | 72   |
| 4    |    |   | Ethanol, 2-(2-butoxyethoxy)-        | 162 | C8H18O3  | 000112-34-5 | 64   |
| 5    |    |   | Ethanol, 2-[2-(ethenyloxy)ethoxy]-  | 132 | C6H12O3  | 000929-37-3 | 64   |



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Instrument :  
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GAV1W

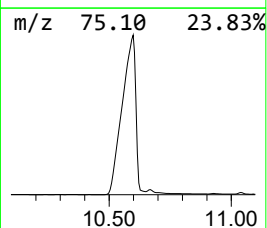
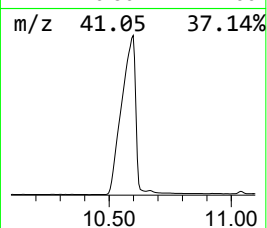
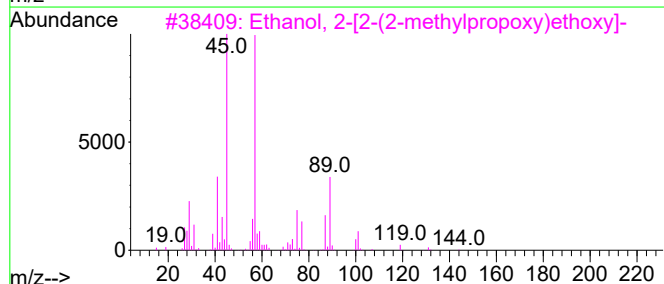
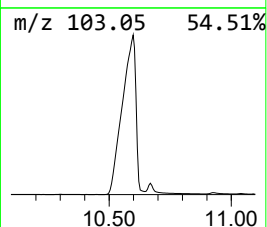
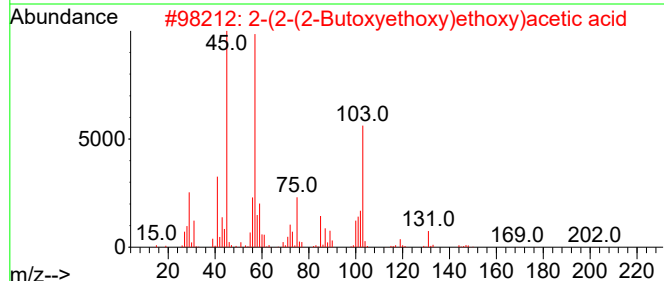
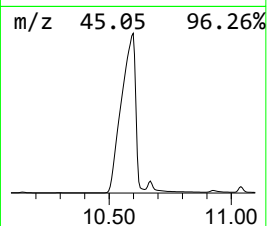
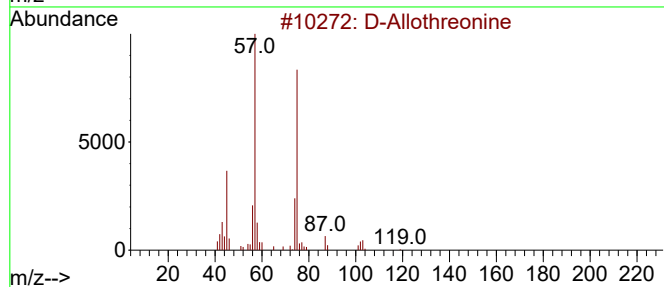
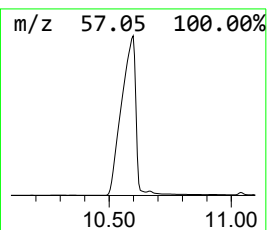
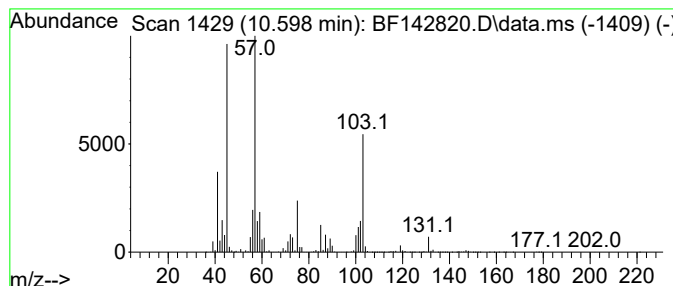
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 D-Allothreonine Concentration Rank 1

| R.T.   | EstConc   | Area     | Relative to ISTD | R.T.  |
|--------|-----------|----------|------------------|-------|
| 10.598 | 755.02 ng | 16964200 | Acenaphthene-d10 | 9.922 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | D-Allothreonine                     | 119 | C4H9NO3  | 024830-94-2 | 64   |
| 2    |    |   | 2-(2-(2-Butoxyethoxy)ethoxy)acet... | 220 | C10H20O5 | 075427-76-8 | 58   |
| 3    |    |   | Ethanol, 2-[2-(2-methylpropoxy)e... | 162 | C8H18O3  | 018912-80-6 | 50   |
| 4    |    |   | Ethanol, 2-(2-butoxyethoxy)-        | 162 | C8H18O3  | 000112-34-5 | 50   |
| 5    |    |   | Ethanol, 2-[2-(2-butoxyethoxy)et... | 206 | C10H22O4 | 000143-22-6 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062425\  
Data File : BF142820.D  
Acq On : 24 Jun 2025 15:28  
Operator : RC/JU  
Sample : Q2372-01  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GAV1W

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

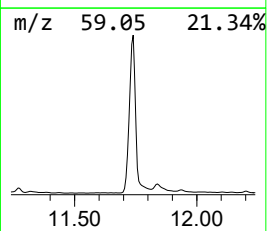
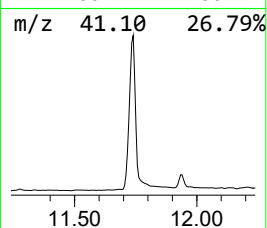
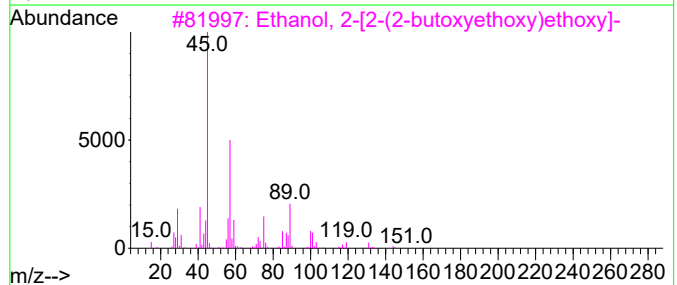
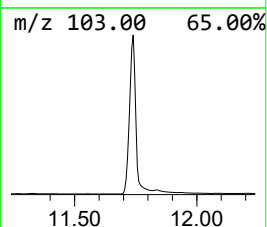
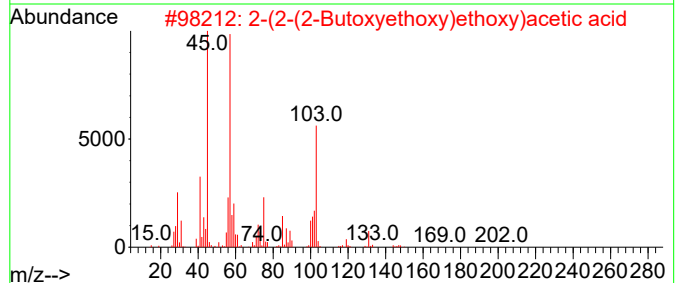
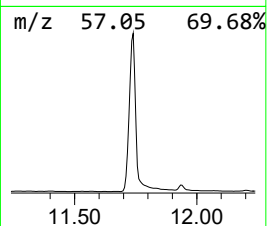
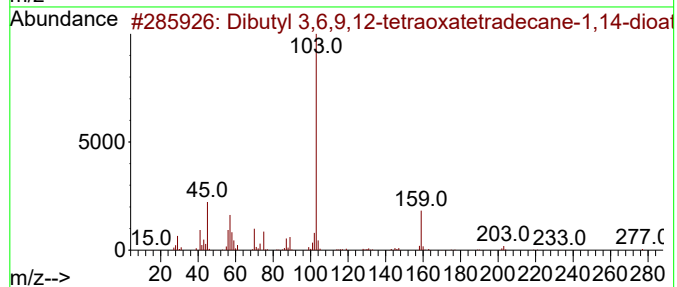
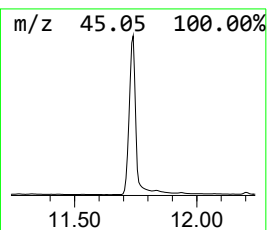
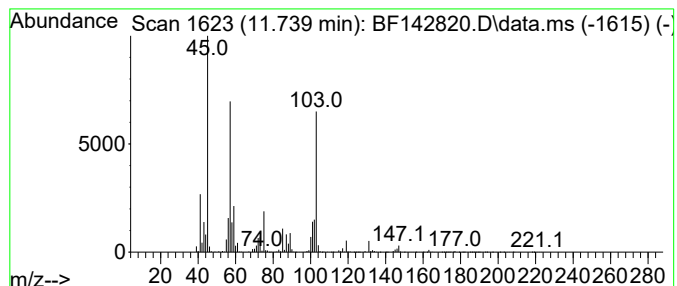
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Dibutyl 3,6,9,12-tetraoxate... Concentration Rank 3

| R.T.   | EstConc   | Area    | Relative to ISTD | R.T.   |
|--------|-----------|---------|------------------|--------|
| 11.739 | 134.03 ng | 3006320 | Phenanthrene-d10 | 11.410 |

| Hit# | of | 5 | Tentative ID                                    | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Dibutyl 3,6,9,12-tetraoxatetradecane-1,14-dioat | 378 | C18H34O8 | 1010366-80-2 | 59   |
| 2    |    |   | 2-(2-(2-Butoxyethoxy)ethoxy)acet...             | 220 | C10H20O5 | 075427-76-8  | 47   |
| 3    |    |   | Ethanol, 2-[2-(2-butoxyethoxy)et...             | 206 | C10H22O4 | 000143-22-6  | 47   |
| 4    |    |   | Di-sec-Butyl ether                              | 130 | C8H18O   | 006863-58-7  | 43   |
| 5    |    |   | Ethanol, 2-(2-butoxyethoxy)-                    | 162 | C8H18O3  | 000112-34-5  | 43   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062425\  
Data File : BF142820.D  
Acq On : 24 Jun 2025 15:28  
Operator : RC/JU  
Sample : Q2372-01  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GAV1W

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.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 |
| Ethanol, 2-butoxy- | 5.828  | 18.9    | ng    | 371523   | 1                     | 6.881  | 392587 | 20.0 |
| Ethanol, 2-(2-b... | 8.069  | 15.4    | ng    | 361822   | 2                     | 8.163  | 470338 | 20.0 |
| 2-(2-Butoxyetho... | 9.181  | 189.1   | ng    | 4249160  | 3                     | 9.922  | 449373 | 20.0 |
| Ethanol, 2-[2-(... | 9.681  | 45.5    | ng    | 1022720  | 3                     | 9.922  | 449373 | 20.0 |
| D-Allothreonine    | 10.598 | 755.0   | ng    | 16964200 | 3                     | 9.922  | 449373 | 20.0 |
| Dibutyl 3,6,9,1... | 11.739 | 134.0   | ng    | 3006320  | 4                     | 11.410 | 448603 | 20.0 |