

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080824\  
 Data File : BF138870.D  
 Acq On : 08 Aug 2024 17:30  
 Operator : RC/JU  
 Sample : P3416-03  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MLS-15-9999

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-BF073024.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF138870.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         | 2.152       | 3             | 10          | 16           | rVB      | 2031449        | 3280967       | 100.00%         | 24.675%       |
| 2         | 3.916       | 305           | 310         | 319          | rBB      | 25038          | 39064         | 1.19%           | 0.294%        |
| 3         | 5.057       | 500           | 504         | 519          | rVB      | 24514          | 35973         | 1.10%           | 0.271%        |
| 4         | 5.469       | 569           | 574         | 593          | rVB      | 414404         | 617641        | 18.82%          | 4.645%        |
| 5         | 5.804       | 624           | 631         | 654          | rBV      | 588012         | 956323        | 29.15%          | 7.192%        |
| 6         | 6.481       | 741           | 746         | 765          | rBV      | 277808         | 390979        | 11.92%          | 2.940%        |
| 7         | 6.840       | 802           | 807         | 815          | rBB      | 202513         | 252287        | 7.69%           | 1.897%        |
| 8         | 7.404       | 897           | 903         | 919          | rBV      | 796782         | 1108857       | 33.80%          | 8.339%        |
| 9         | 8.116       | 1019          | 1024        | 1043         | rBB      | 258011         | 330894        | 10.09%          | 2.488%        |
| 10        | 8.334       | 1057          | 1061        | 1063         | rBV      | 78271          | 98900         | 3.01%           | 0.744%        |
| 11        | 8.363       | 1063          | 1066        | 1079         | rVB      | 92093          | 138548        | 4.22%           | 1.042%        |
| 12        | 9.192       | 1201          | 1207        | 1212         | rBV      | 1553429        | 2000307       | 60.97%          | 15.043%       |
| 13        | 9.869       | 1317          | 1322        | 1330         | rBV      | 304896         | 373688        | 11.39%          | 2.810%        |
| 14        | 10.663      | 1452          | 1457        | 1474         | rBV      | 828036         | 1085161       | 33.07%          | 8.161%        |
| 15        | 11.357      | 1570          | 1575        | 1583         | rBV      | 301796         | 373077        | 11.37%          | 2.806%        |
| 16        | 12.939      | 1838          | 1844        | 1849         | rBV      | 1425962        | 1852208       | 56.45%          | 13.930%       |
| 17        | 13.992      | 2019          | 2023        | 2033         | rVB      | 144422         | 199891        | 6.09%           | 1.503%        |
| 18        | 15.457      | 2266          | 2272        | 2287         | rVB      | 97395          | 162193        | 4.94%           | 1.220%        |

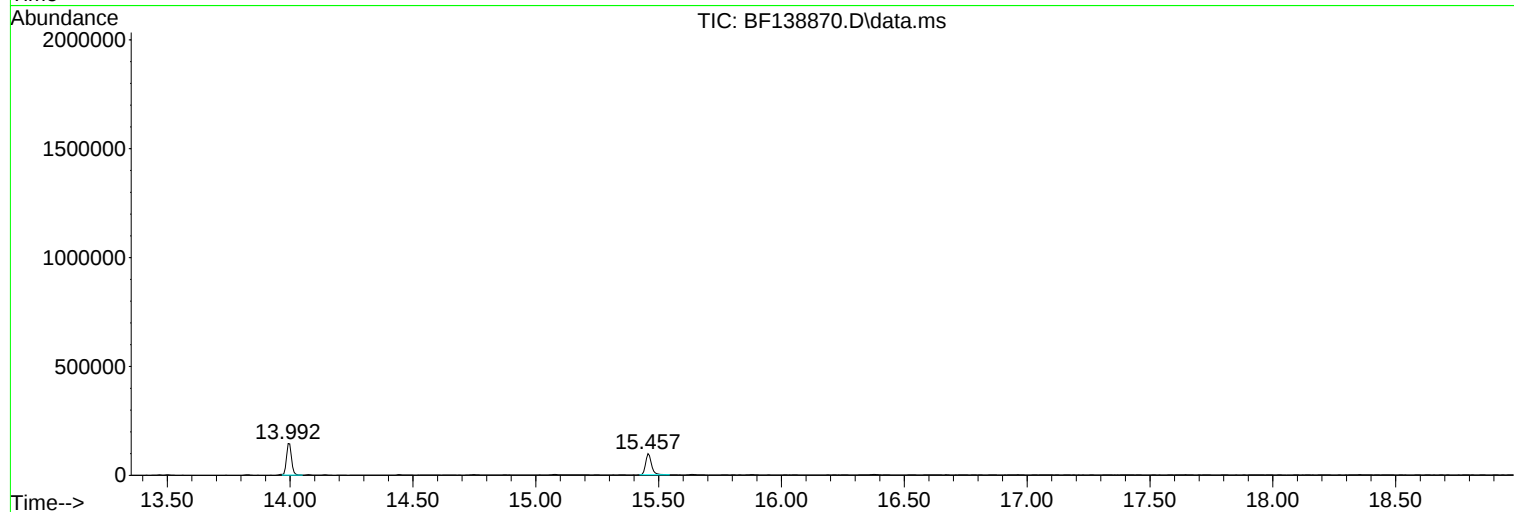
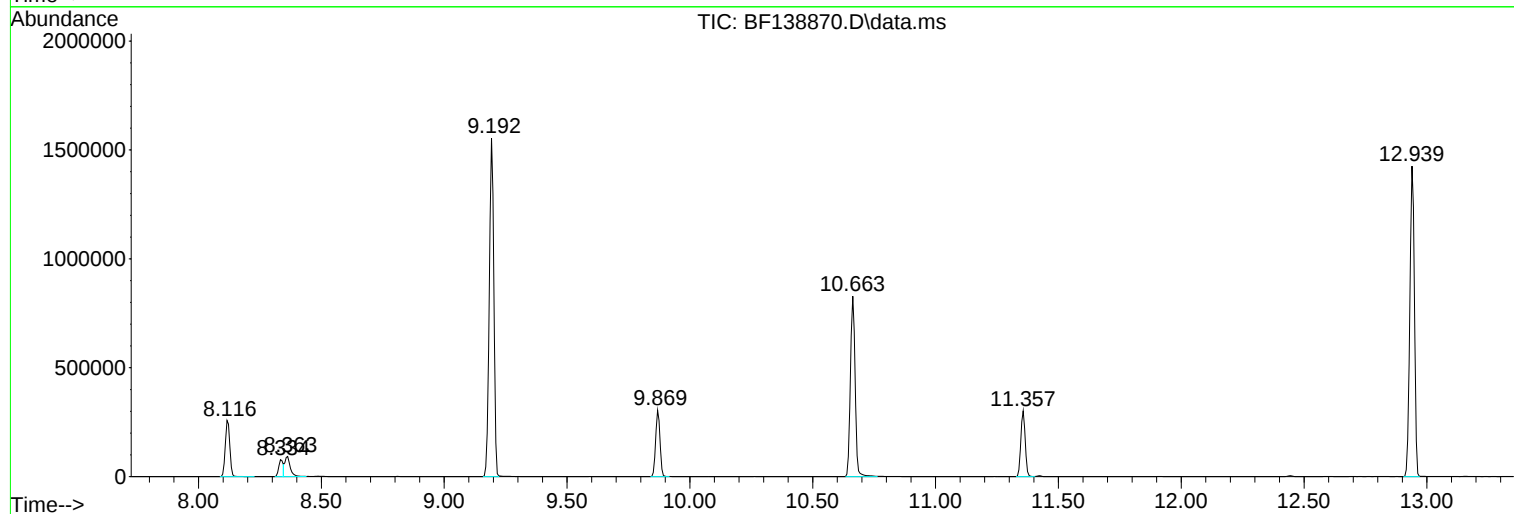
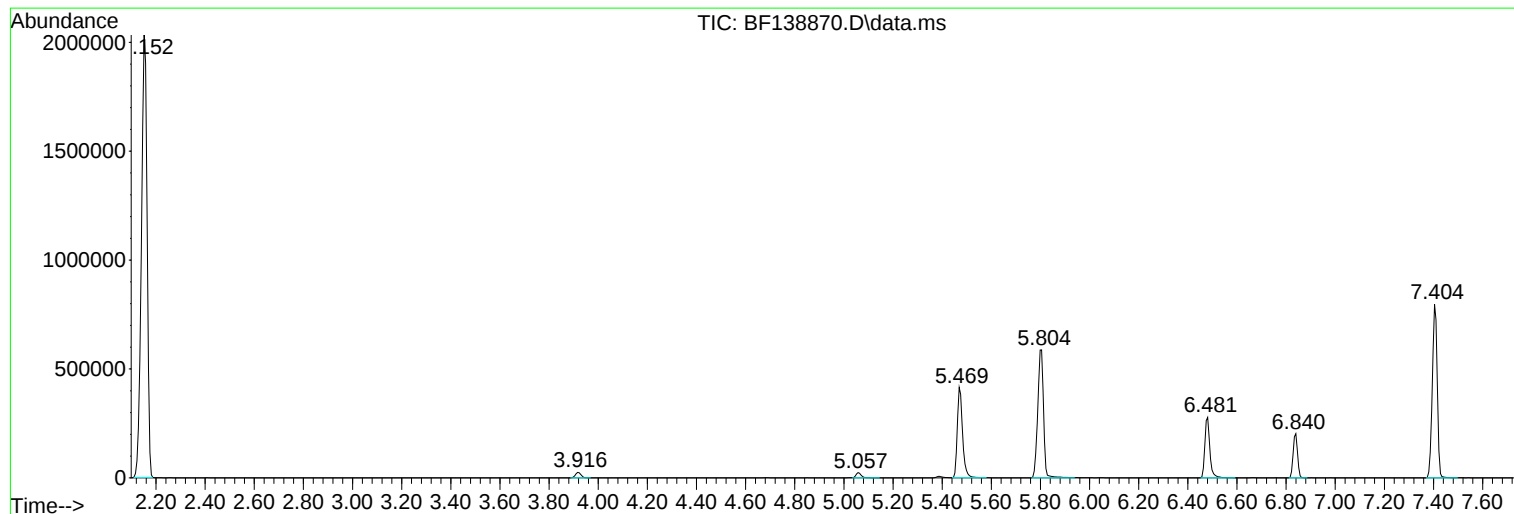
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Instrument :  
BNA\_F  
ClientSampleId :  
MLS-15-9999

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF073024.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\BF080824\  
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Instrument :  
BNA\_F  
ClientSampleId :  
MLS-15-9999

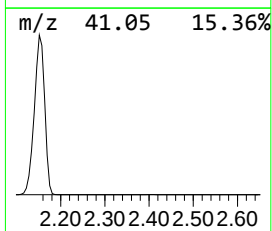
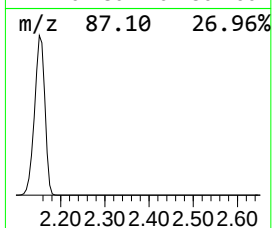
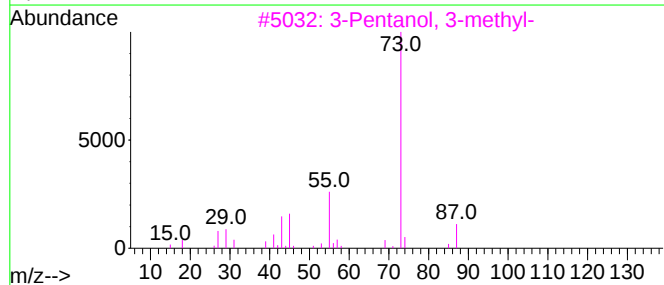
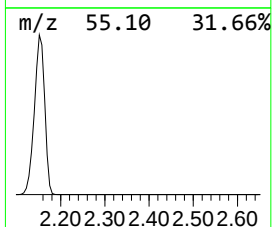
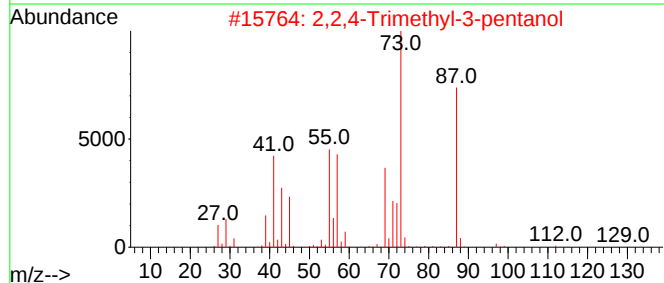
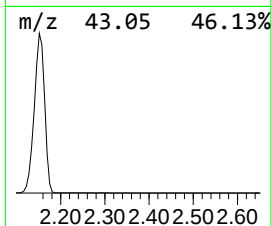
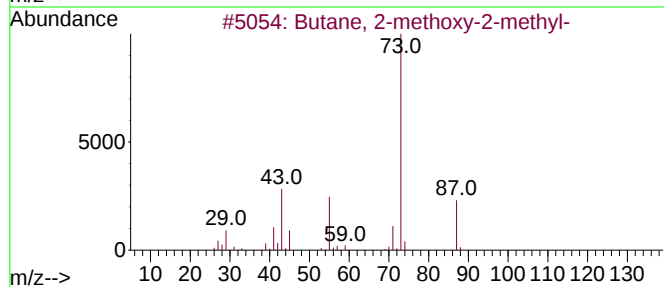
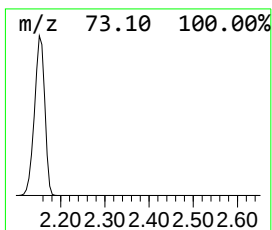
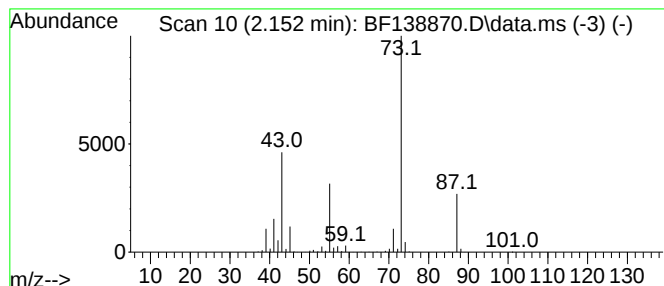
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T.  | EstConc   | Area    | Relative to ISTD       | R.T.  |
|-------|-----------|---------|------------------------|-------|
| 2.152 | 260.10 ng | 3280970 | 1,4-Dichlorobenzene-d4 | 6.840 |

| 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, 3-methyl-       | 102 | C6H14O  | 000077-74-7 | 23   |
| 4    |    |   | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 17   |
| 5    |    |   | Borane, dimethoxy-          | 74  | C2H7BO2 | 004542-61-4 | 9    |



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Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MLS-15-9999

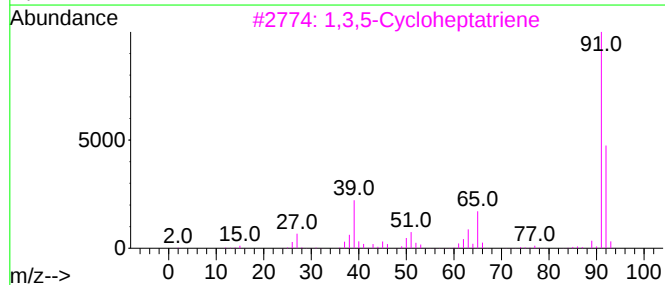
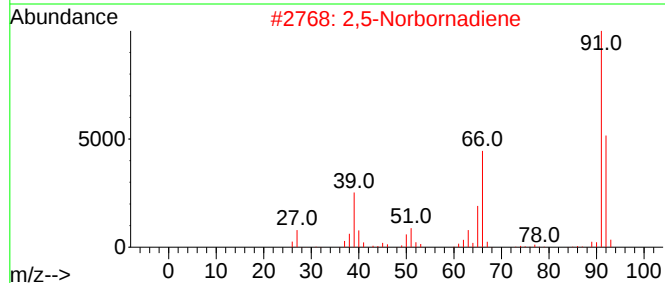
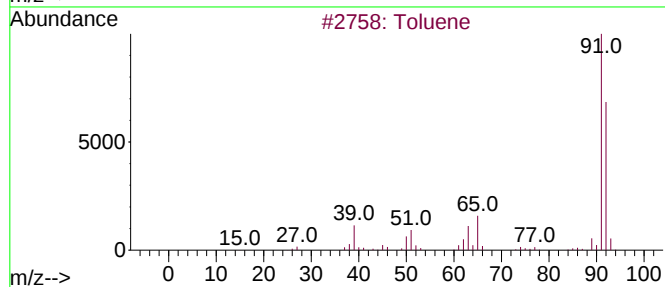
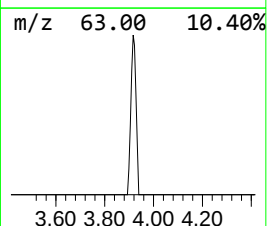
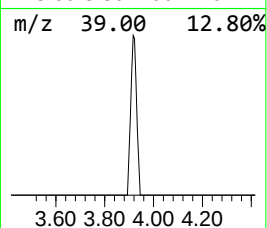
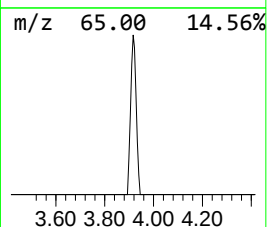
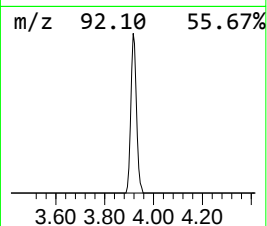
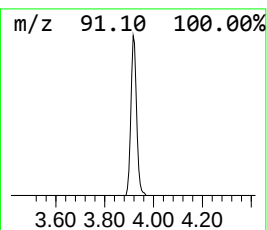
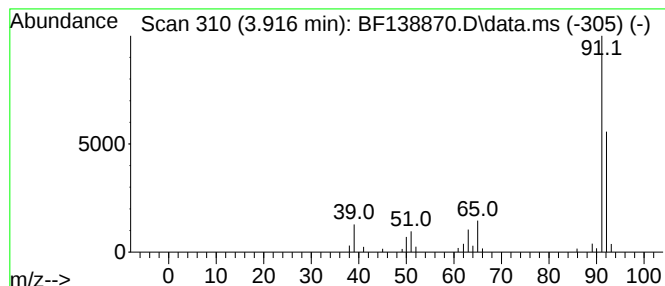
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF073024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Toluene Concentration Rank 5

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 3.916 | 3.10 ng | 39064 | 1,4-Dichlorobenzene-d4 | 6.840 |

| Hit# | of 5 | Tentative ID                            | MW           | MolForm | CAS#        | Qual |
|------|------|-----------------------------------------|--------------|---------|-------------|------|
| 1    |      | Toluene                                 | 92           | C7H8    | 000108-88-3 | 94   |
| 2    |      | 2,5-Norbornadiene                       | 92           | C7H8    | 000121-46-0 | 91   |
| 3    |      | 1,3,5-Cycloheptatriene                  | 92           | C7H8    | 000544-25-2 | 87   |
| 4    |      | Spiro[2,4]hepta-4,6-diene               | 92           | C7H8    | 000765-46-8 | 86   |
| 5    |      | Molybdenum, di-.mu.-chlorobis[(1... 532 | C20H26Cl2Mo2 |         | 035625-66-2 | 78   |



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Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MLS-15-9999

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF073024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

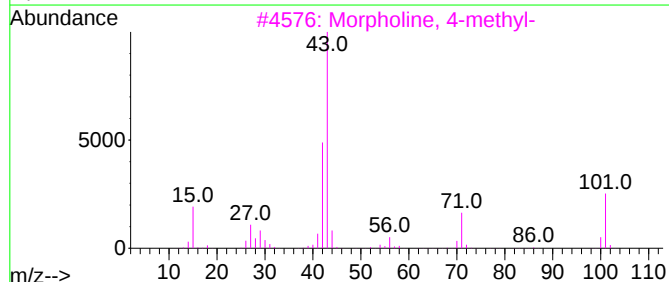
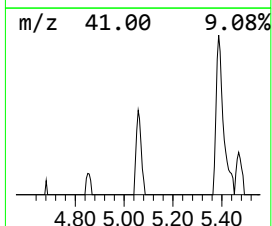
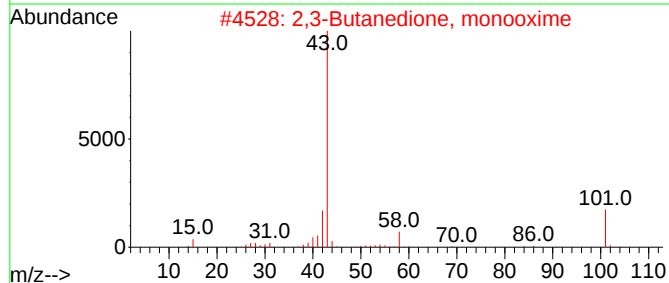
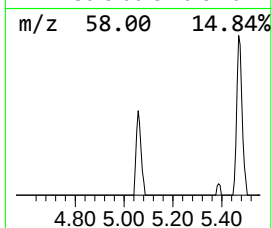
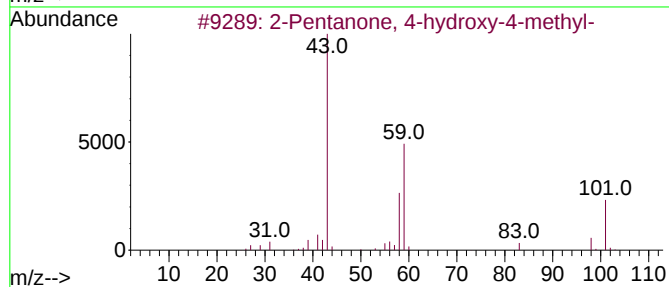
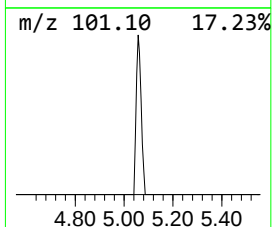
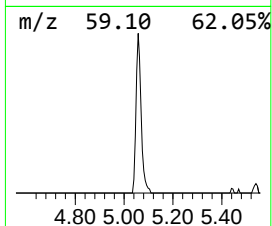
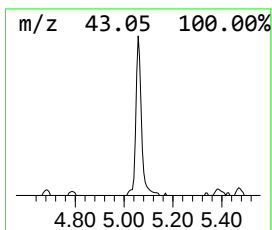
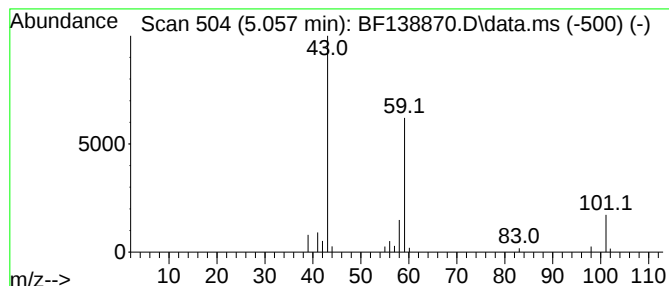
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 5.057 | 2.85 ng | 35973 | 1,4-Dichlorobenzene-d4 | 6.840 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 45   |
| 2    |    |   | 2,3-Butanedione, monooxime          | 101 | C4H7NO2 | 000057-71-6 | 12   |
| 3    |    |   | Morpholine, 4-methyl-               | 101 | C5H11NO | 000109-02-4 | 9    |
| 4    |    |   | Butane, 1-ethoxy-                   | 102 | C6H14O  | 000628-81-9 | 9    |
| 5    |    |   | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 9    |



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Sample : P3416-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MLS-15-9999

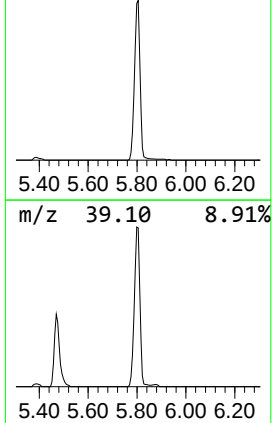
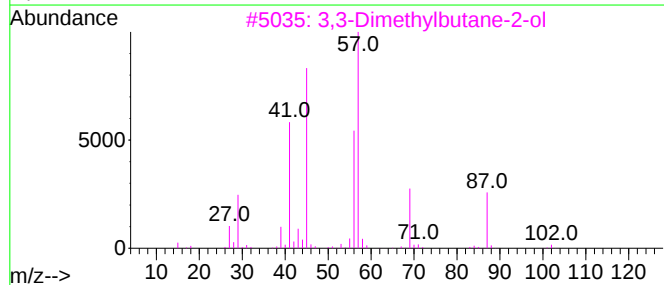
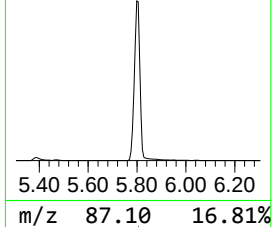
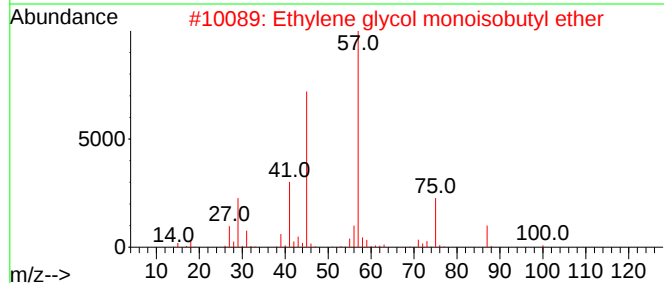
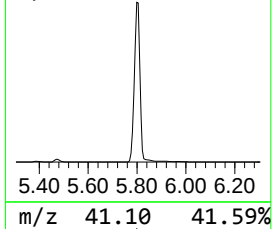
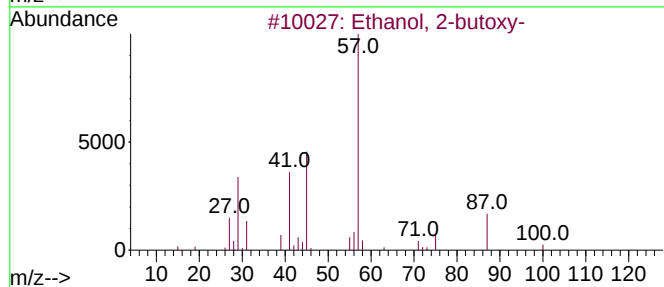
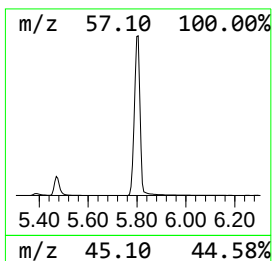
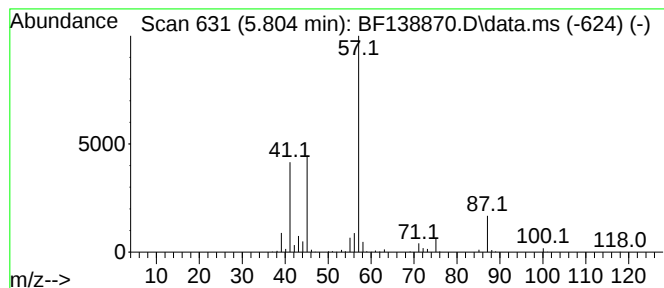
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 Ethanol, 2-butoxy- Concentration Rank 2

| R.T.  | EstConc  | Area   | Relative to ISTD       | R.T.  |
|-------|----------|--------|------------------------|-------|
| 5.804 | 75.81 ng | 956323 | 1,4-Dichlorobenzene-d4 | 6.840 |

| 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 | 64   |
| 3    |    |   | 3,3-Dimethylbutane-2-ol            | 102 | C6H14O  | 000464-07-3 | 40   |
| 4    |    |   | n-Butyl ether                      | 130 | C8H18O  | 000142-96-1 | 22   |
| 5    |    |   | Propanoic acid, 2,2-dimethyl-      | 102 | C5H10O2 | 000075-98-9 | 16   |



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Instrument :  
BNA\_F  
ClientSampleId :  
MLS-15-9999

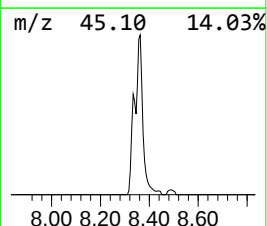
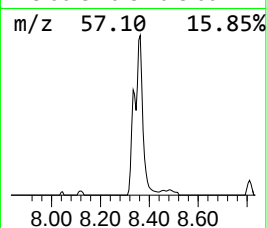
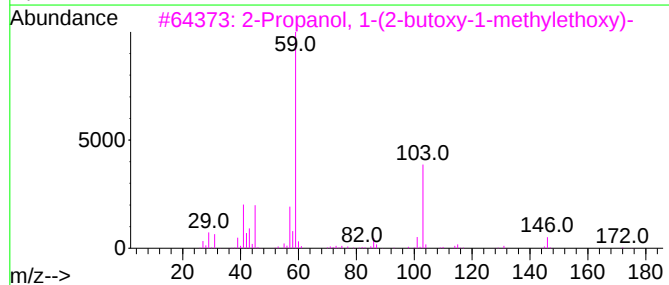
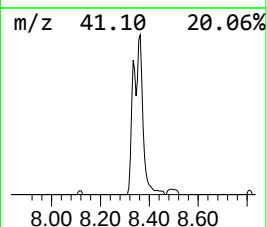
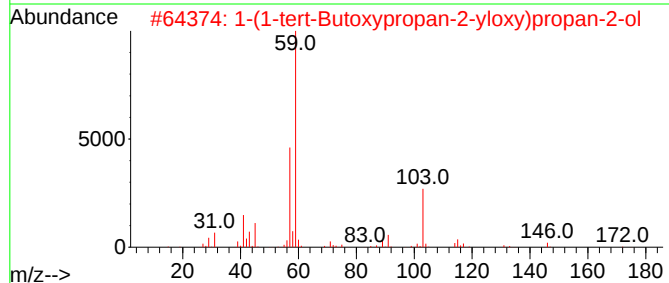
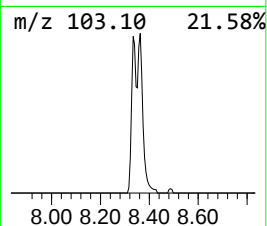
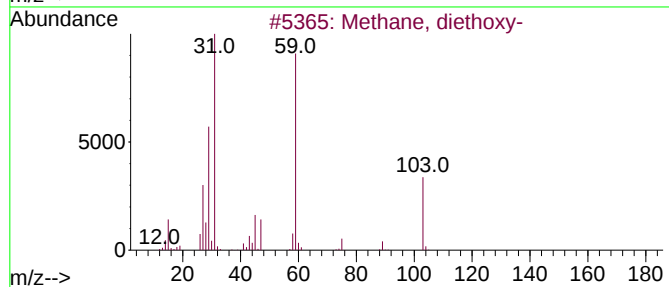
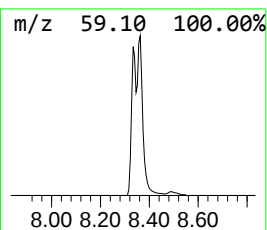
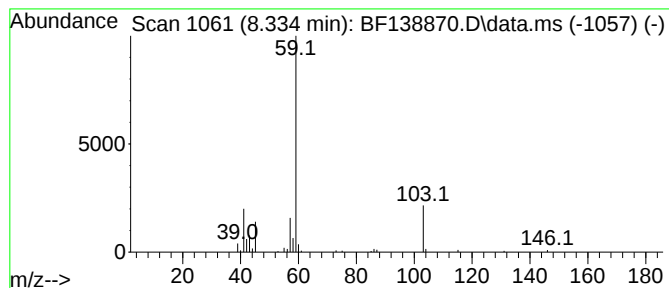
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 Methane, diethoxy- Concentration Rank 4

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 8.334 | 5.98 ng | 98900 | Naphthalene-d8   | 8.116 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Methane, diethoxy-                  | 104 | C5H12O2  | 000462-95-3  | 80   |
| 2    |    |   | 1-(1-tert-Butoxypropan-2-yloxy)p... | 190 | C10H22O3 | 132739-31-2  | 78   |
| 3    |    |   | 2-Propanol, 1-(2-butoxy-1-methyl... | 190 | C10H22O3 | 029911-28-2  | 74   |
| 4    |    |   | 2-Propanol, 1-[1-methyl-2-(2-pro... | 174 | C9H18O3  | 055956-25-7  | 74   |
| 5    |    |   | 4,8,12,16-tetraoxaicosan-1-ol       | 306 | C16H34O5 | 1010397-63-6 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080824\  
Data File : BF138870.D  
Acq On : 08 Aug 2024 17:30  
Operator : RC/JU  
Sample : P3416-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MLS-15-9999

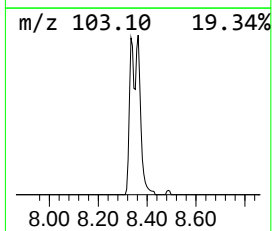
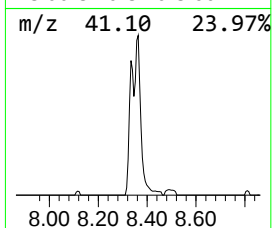
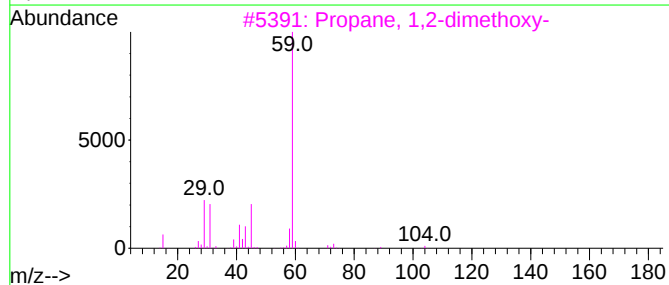
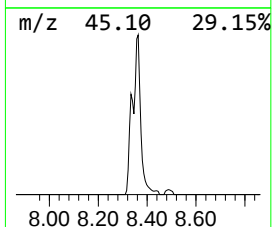
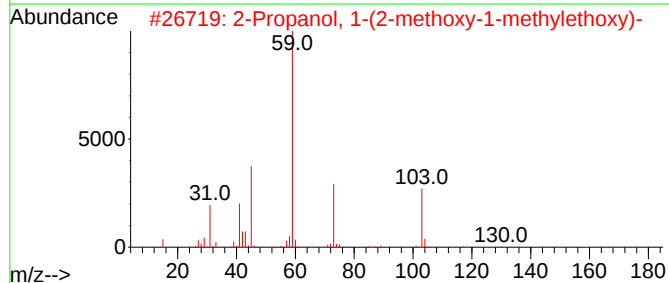
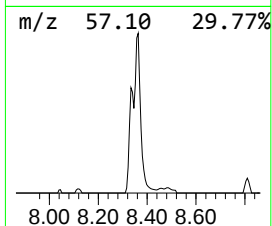
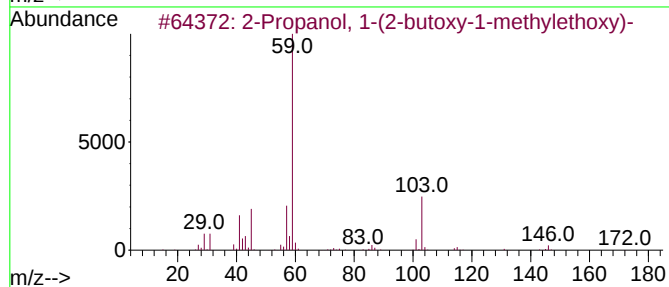
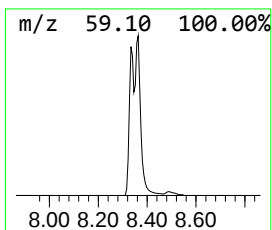
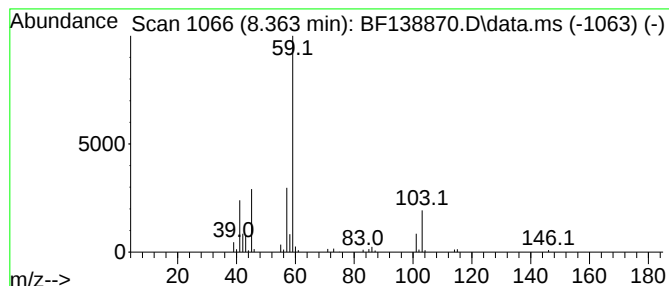
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 2-Propanol, 1-(2-butoxy-1-m... Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 8.363 | 8.37 ng | 138548 | Naphthalene-d8   | 8.116 |

| Hit# | of                                   | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|--------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2-Propanol, 1-(2-butoxy-1-methyl...  | 190 | C10H22O3     | 029911-28-2 | 64      |      |      |
| 2    | 2-Propanol, 1-(2-methoxy-1-methyl... | 148 | C7H16O3      | 020324-32-7 | 56      |      |      |
| 3    | Propane, 1,2-dimethoxy-              | 104 | C5H12O2      | 007778-85-0 | 50      |      |      |
| 4    | 2,4-Diethyl-6-methyl-1,3,5-trioxane  | 160 | C8H16O3      | 117888-04-7 | 43      |      |      |
| 5    | 1-Propanol, 2-(2-hydroxypropoxy)-    | 134 | C6H14O3      | 000106-62-7 | 40      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080824\  
Data File : BF138870.D  
Acq On : 08 Aug 2024 17:30  
Operator : RC/JU  
Sample : P3416-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MLS-15-9999

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF073024.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... | 2.152 | 260.1   | ng    | 3280970  | 1                     | 6.840 | 252287 | 20.0 |
| Toluene            | 3.916 | 3.1     | ng    | 39064    | 1                     | 6.840 | 252287 | 20.0 |
| 2-Pentanone, 4-... | 5.057 | 2.9     | ng    | 35973    | 1                     | 6.840 | 252287 | 20.0 |
| Ethanol, 2-butoxy- | 5.804 | 75.8    | ng    | 956323   | 1                     | 6.840 | 252287 | 20.0 |
| Methane, diethoxy- | 8.334 | 6.0     | ng    | 98900    | 2                     | 8.116 | 330894 | 20.0 |
| 2-Propanol, 1-(... | 8.363 | 8.4     | ng    | 138548   | 2                     | 8.116 | 330894 | 20.0 |