

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032823\  
 Data File : BM039188.D  
 Acq On : 28 Mar 2023 20:22  
 Operator : CG/JU  
 Sample : 02106-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 VNJ-238

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\_M\Methods\8270-BM030823.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM039188.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         | 5.028       | 289           | 296         | 303          | rVB      | 1755955        | 2435028       | 20.56%          | 4.384%        |
| 2         | 5.493       | 369           | 375         | 386          | rVB      | 3984612        | 5708305       | 48.19%          | 10.278%       |
| 3         | 6.798       | 584           | 597         | 608          | rBV      | 263830         | 527249        | 4.45%           | 0.949%        |
| 4         | 7.104       | 640           | 649         | 662          | rVB      | 3660257        | 5816997       | 49.11%          | 10.474%       |
| 5         | 7.934       | 777           | 790         | 796          | rBV      | 1161449        | 1865265       | 15.75%          | 3.359%        |
| 6         | 9.104       | 981           | 989         | 996          | rBV      | 2241728        | 3694880       | 31.19%          | 6.653%        |
| 7         | 10.745      | 1259          | 1268        | 1275         | rBV      | 1346954        | 2239821       | 18.91%          | 4.033%        |
| 8         | 12.386      | 1541          | 1547        | 1557         | rBV      | 541349         | 918480        | 7.75%           | 1.654%        |
| 9         | 13.204      | 1676          | 1686        | 1694         | rBV      | 5179426        | 7525652       | 63.53%          | 13.551%       |
| 10        | 14.404      | 1887          | 1890        | 1897         | rVB4     | 454976         | 753590        | 6.36%           | 1.357%        |
| 11        | 14.580      | 1915          | 1920        | 1928         | rVB      | 2151628        | 3308436       | 27.93%          | 5.957%        |
| 12        | 16.321      | 2212          | 2216        | 2220         | rVB      | 6242088        | 8898543       | 75.12%          | 16.023%       |
| 13        | 17.151      | 2353          | 2357        | 2361         | rVB      | 8010126        | 11845005      | 100.00%         | 21.328%       |

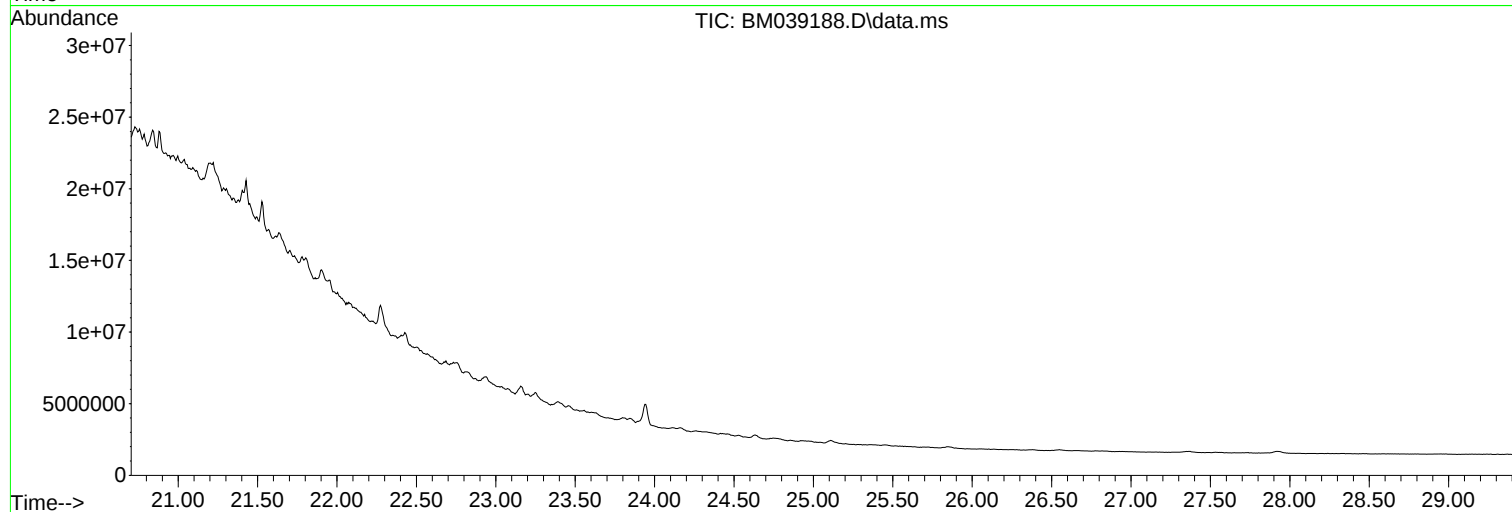
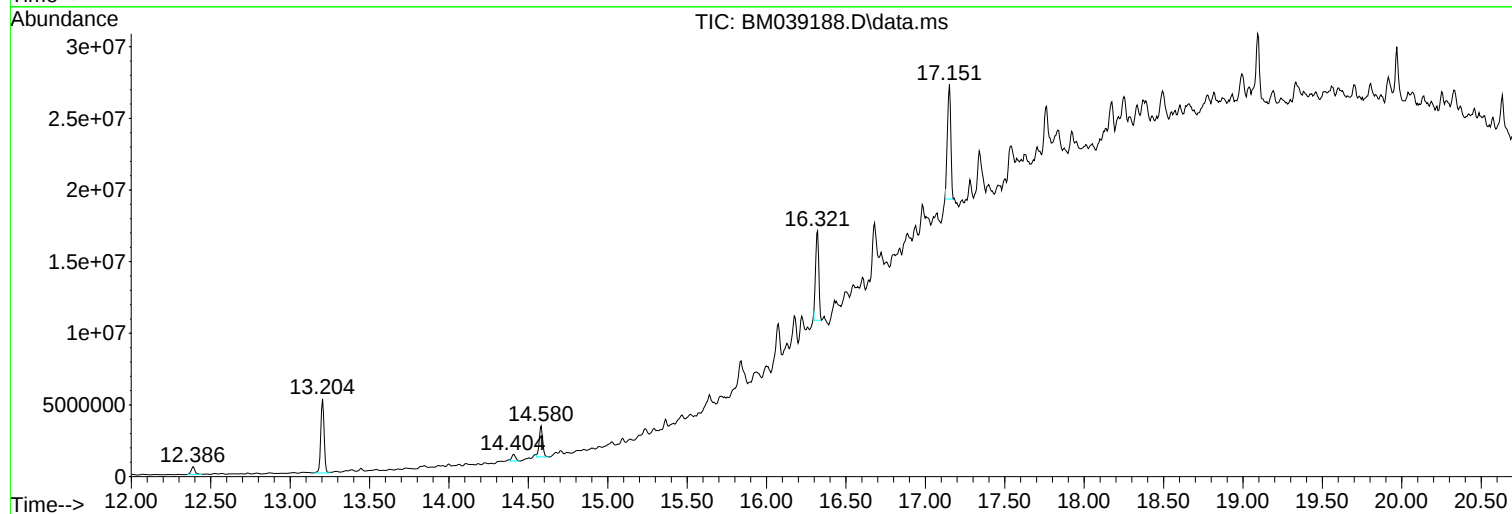
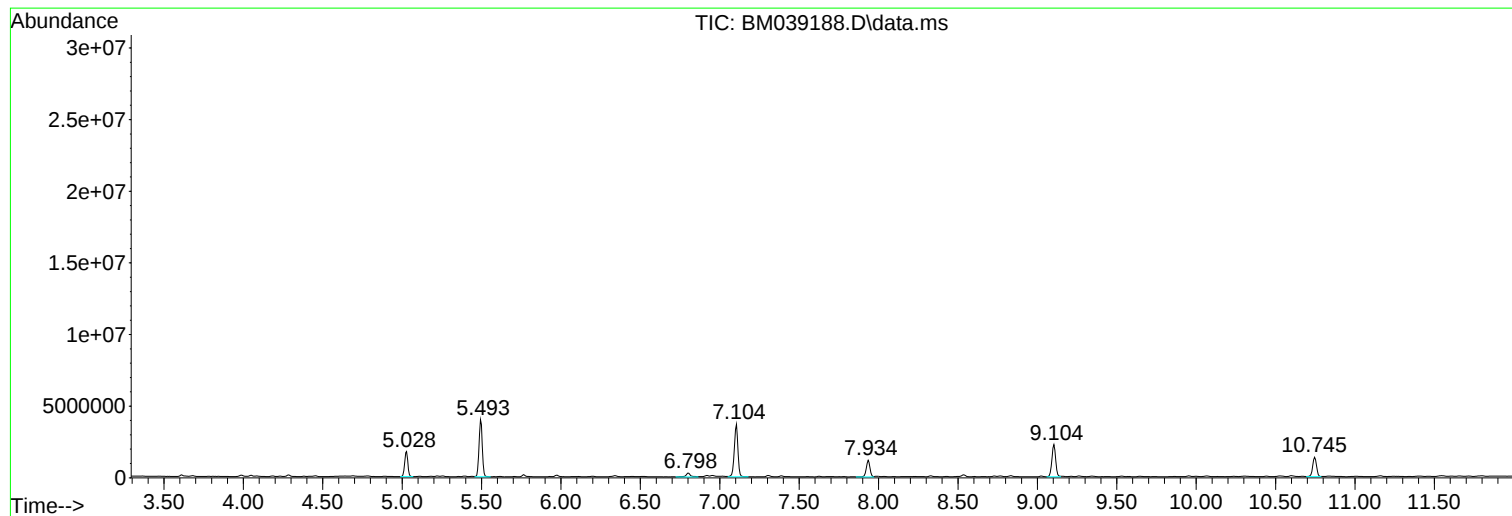
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM030823.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

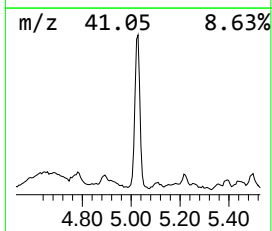
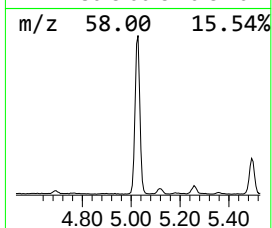
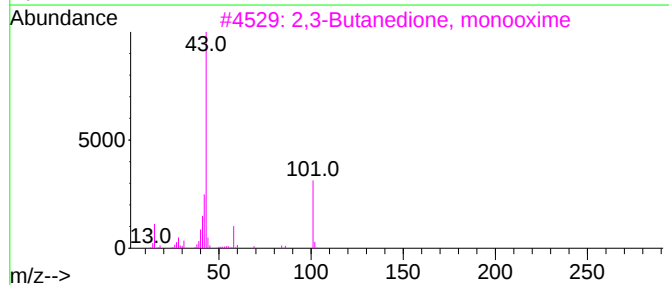
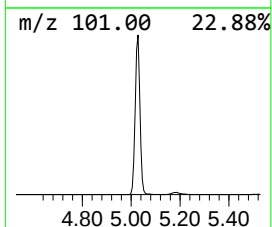
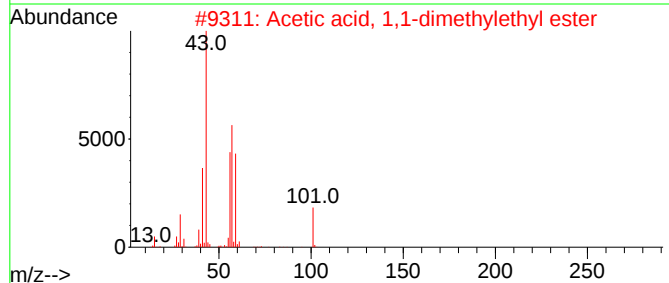
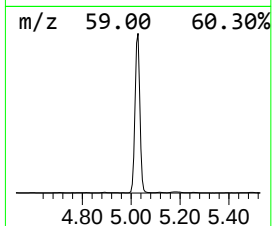
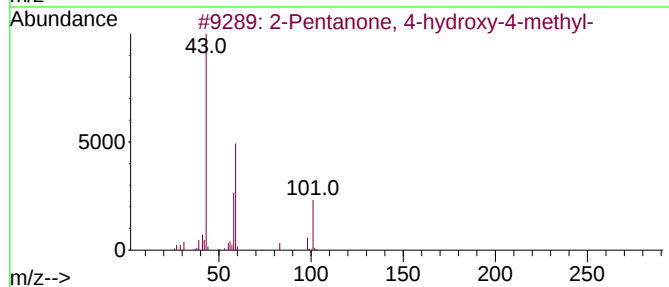
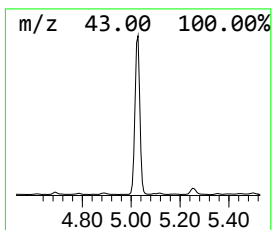
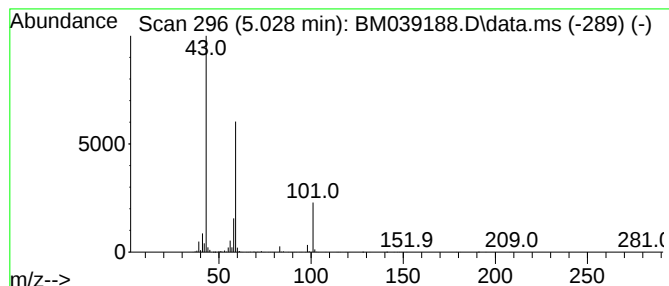
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc  | Area    | Relative to ISTD       | R.T.  |
|-------|----------|---------|------------------------|-------|
| 5.028 | 26.11 ng | 2435030 | 1,4-Dichlorobenzene-d4 | 7.934 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2      | 000123-42-2 | 64      |      |      |
| 2    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2      | 000540-88-5 | 39      |      |      |
| 3    | 2,3-Butanedione, monooxime          | 101 | C4H7NO2      | 000057-71-6 | 17      |      |      |
| 4    | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2     | 001116-98-9 | 17      |      |      |
| 5    | Butane, 1-ethoxy-                   | 102 | C6H14O       | 000628-81-9 | 9       |      |      |



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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM030823.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

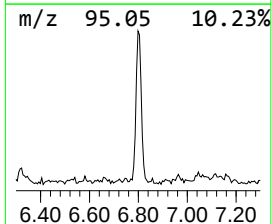
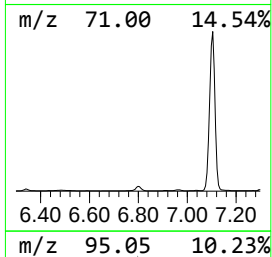
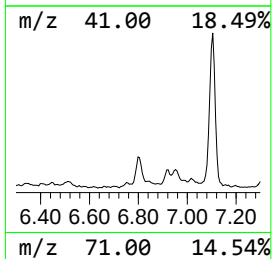
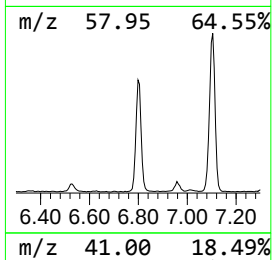
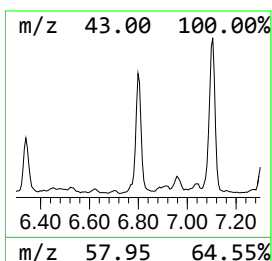
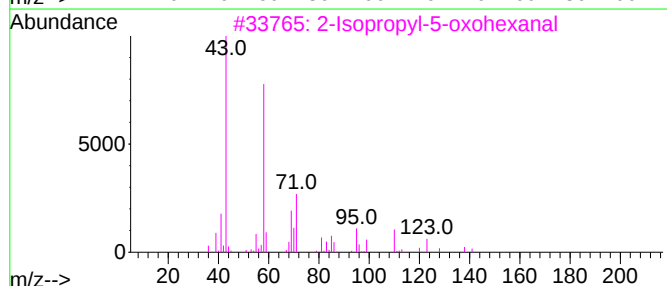
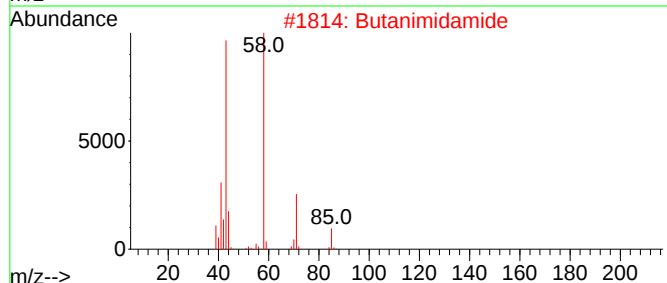
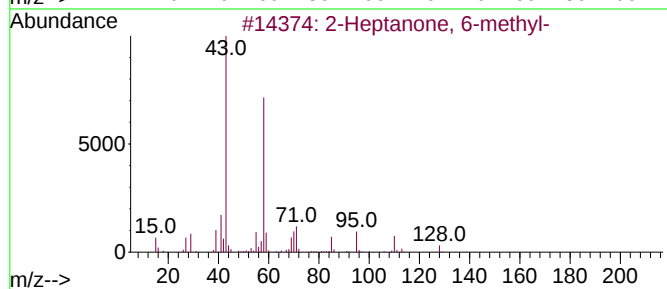
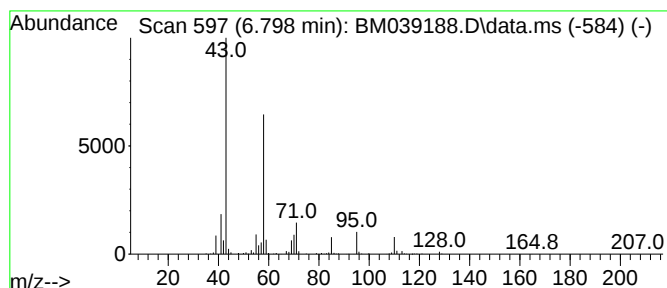
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 2-Heptanone, 6-methyl- Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 6.798 | 5.65 ng | 527249 | 1,4-Dichlorobenzene-d4 | 7.934 |

| Hit# | of 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|------|--------------------------|-----|---------|-------------|------|
| 1    |      | 2-Heptanone, 6-methyl-   | 128 | C8H16O  | 000928-68-7 | 83   |
| 2    |      | Butanimidamide           | 86  | C4H10N2 | 000107-90-4 | 59   |
| 3    |      | 2-Isopropyl-5-oxohexanal | 156 | C9H16O2 | 015303-46-5 | 56   |
| 4    |      | 2-Octanone               | 128 | C8H16O  | 000111-13-7 | 53   |
| 5    |      | 2-Hexanone               | 100 | C6H12O  | 000591-78-6 | 53   |



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Misc :  
ALS Vial : 10 Sample Multiplier: 1

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ClientSampleId :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM030823.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

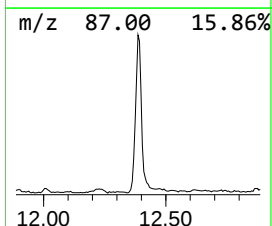
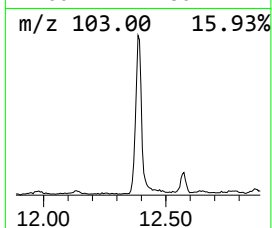
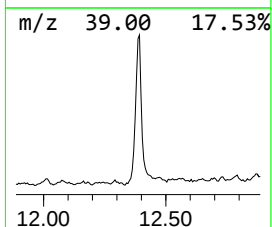
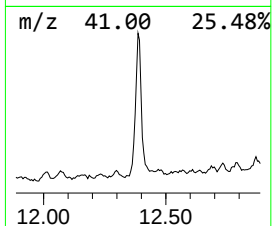
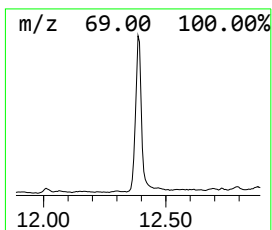
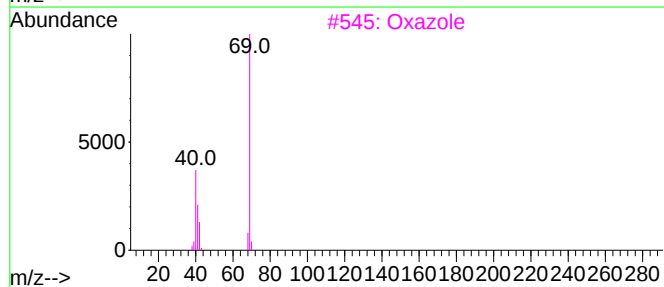
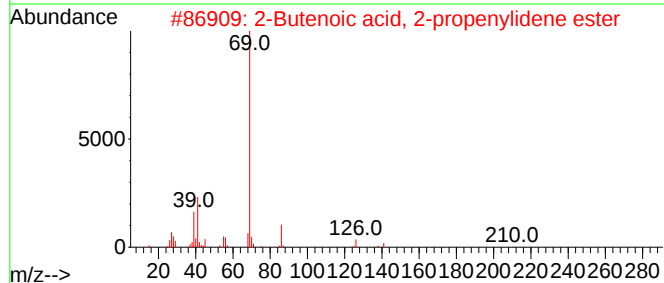
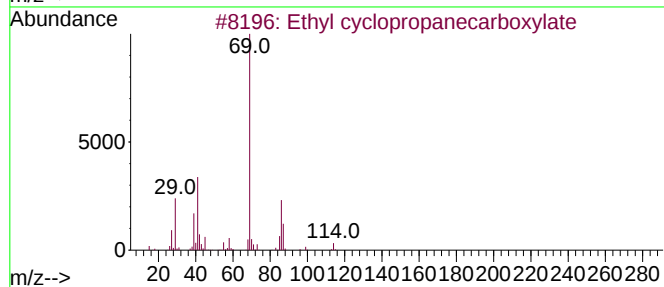
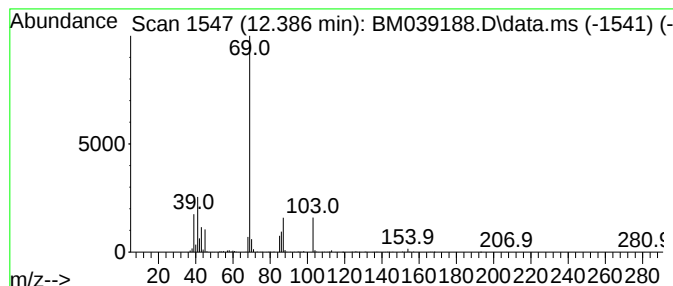
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Ethyl cyclopropanecarboxylate Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.386 | 8.20 ng | 918480 | Naphthalene-d8   | 10.745 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Ethyl cyclopropanecarboxylate       | 114 | C6H10O2  | 004606-07-9  | 50   |
| 2    |    |   | 2-Butenoic acid, 2-propenylidene... | 210 | C11H14O4 | 055030-70-1  | 36   |
| 3    |    |   | Oxazole                             | 69  | C3H3NO   | 000288-42-6  | 9    |
| 4    |    |   | Cyclopropanecarboxylic acid, 3-m... | 154 | C9H14O2  | 1000299-37-4 | 9    |
| 5    |    |   | 3-Methyl-3-(3-hydroxy-3-methylbu... | 190 | C10H22O3 | 1000432-16-8 | 9    |



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Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
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VNJ-238

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM030823.M  
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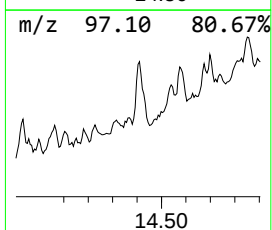
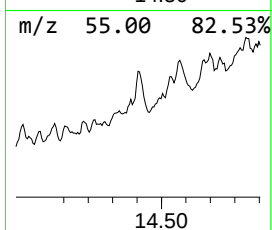
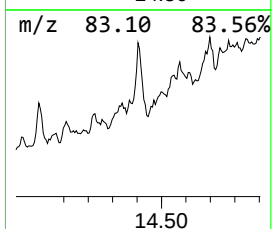
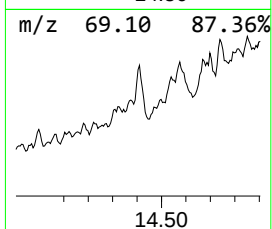
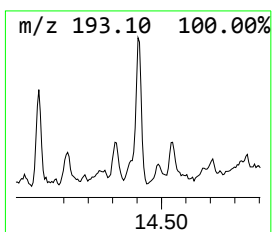
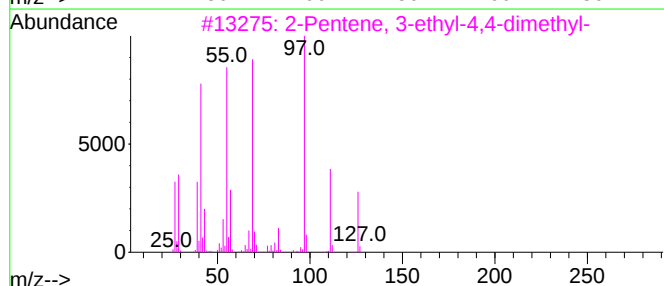
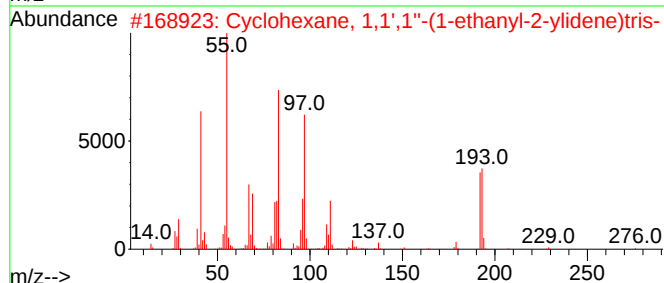
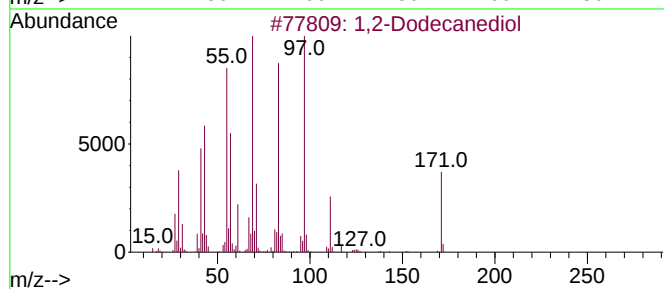
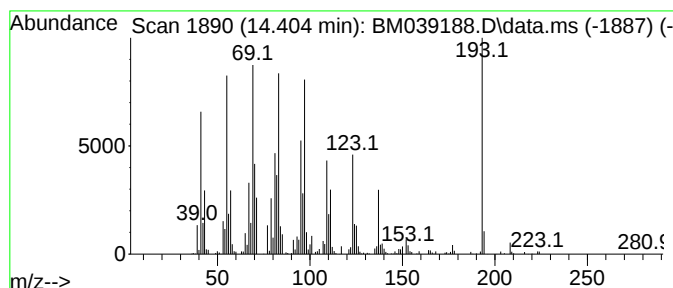
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown14.404 Concentration Rank 6

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 14.404 | 4.56 ng | 753590 | Acenaphthene-d10 | 14.580 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | 1,2-Dodecanediol                    | 202 | C12H26O2 | 001119-87-5  | 43   |
| 2    |    |   | Cyclohexane, 1,1',1''-(1-ethanyl... | 276 | C20H36   | 055682-86-5  | 38   |
| 3    |    |   | 2-Pentene, 3-ethyl-4,4-dimethyl-    | 126 | C9H18    | 053907-59-8  | 25   |
| 4    |    |   | Cyclopentanecarboxylic acid, 4-p... | 324 | C21H40O2 | 1000280-59-2 | 22   |
| 5    |    |   | Cyclohexane, 1,2-dimethyl-3-pent... | 224 | C16H32   | 062376-17-4  | 18   |



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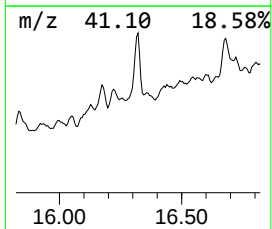
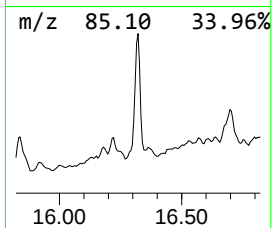
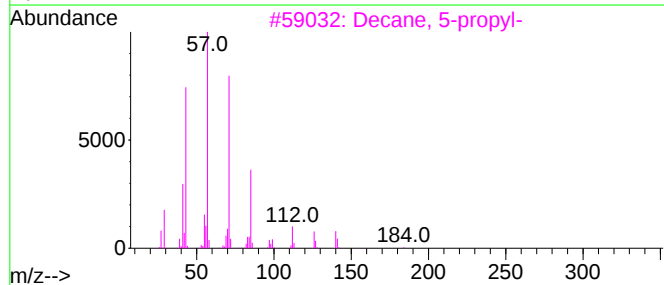
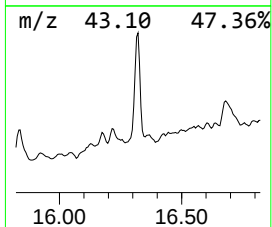
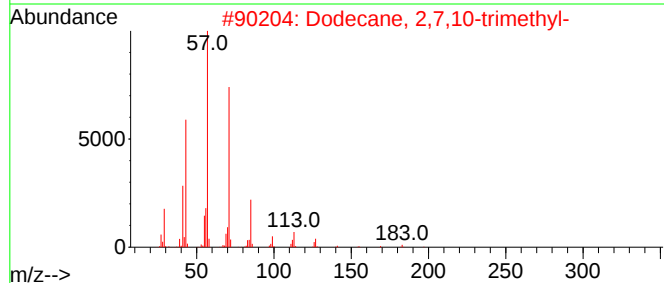
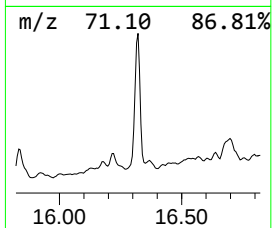
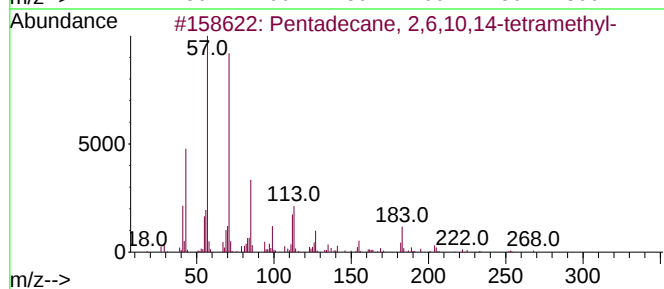
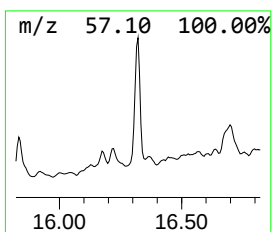
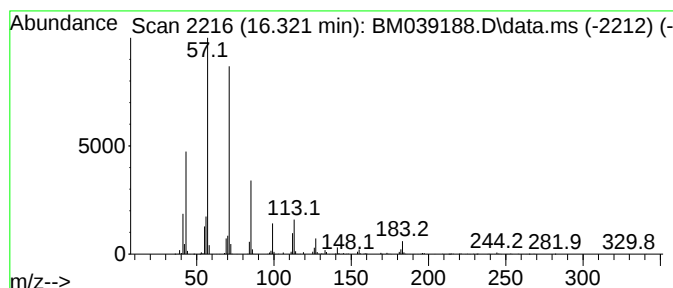
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Peak Number 5 Pentadecane, 2,6,10,14-tetr... Concentration Rank 3

| R.T.      | EstConc                             | Area    | Relative to ISTD |           | R.T.         |      |
|-----------|-------------------------------------|---------|------------------|-----------|--------------|------|
| 16.321    | 15.03 ng                            | 8898540 | Phenanthrene-d10 |           | 17.339       |      |
| Hit# of 5 | Tentative ID                        |         | MW               | MolForm   | CAS#         | Qual |
| 1         | Pentadecane, 2,6,10,14-tetramethyl- |         | 268              | C19H40    | 001921-70-6  | 94   |
| 2         | Dodecane, 2,7,10-trimethyl-         |         | 212              | C15H32    | 074645-98-0  | 72   |
| 3         | Decane, 5-propyl-                   |         | 184              | C13H28    | 017312-62-8  | 64   |
| 4         | Heptane, 3-ethyl-5-methyl-          |         | 142              | C10H22    | 052896-90-9  | 64   |
| 5         | Sulfurous acid, di(2-ethylhexyl)... |         | 306              | C16H34O3S | 1000309-19-1 | 59   |



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Operator : CG/JU  
Sample : 02106-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
VNJ-238

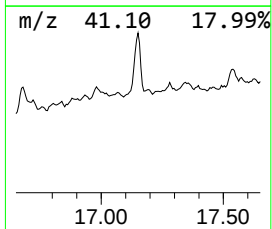
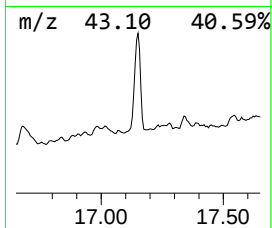
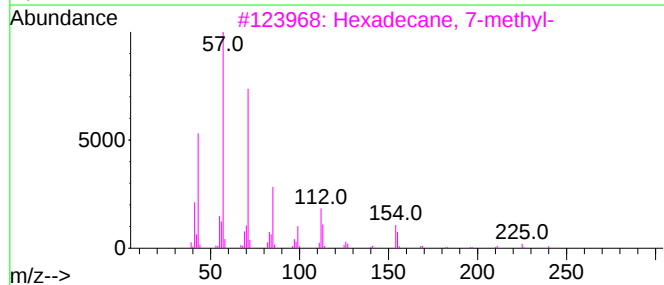
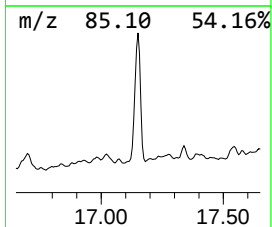
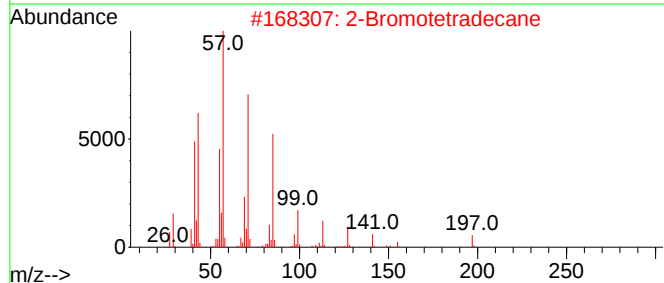
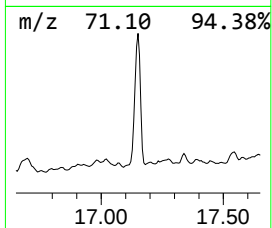
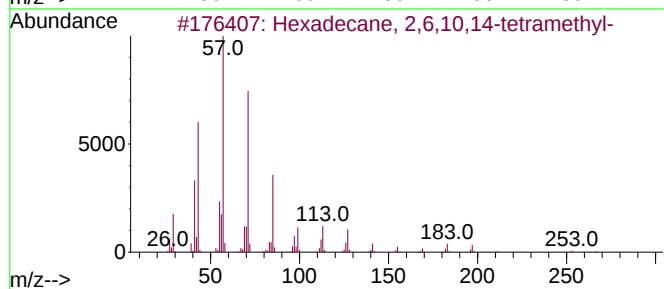
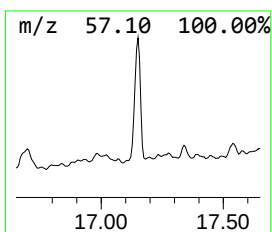
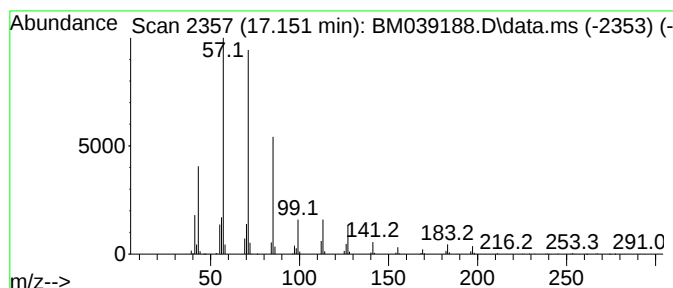
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 Hexadecane, 2,6,10,14-tetra... Concentration Rank 2

| R.T.      | EstConc                             | Area     | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|----------|------------------|-------------|------|
| 17.151    | 20.00 ng                            | 11845000 | Phenanthrene-d10 | 17.339      |      |
| Hit# of 5 | Tentative ID                        | MW       | MolForm          | CAS#        | Qual |
| 1         | Hexadecane, 2,6,10,14-tetramethyl-  | 282      | C20H42           | 000638-36-8 | 90   |
| 2         | 2-Bromotetradecane                  | 276      | C14H29Br         | 074036-95-6 | 86   |
| 3         | Hexadecane, 7-methyl-               | 240      | C17H36           | 026730-20-1 | 83   |
| 4         | Heptadecane, 2,6,10,15-tetramethyl- | 296      | C21H44           | 054833-48-6 | 78   |
| 5         | Tridecane, 2-methyl-                | 198      | C14H30           | 001560-96-9 | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032823\  
Data File : BM039188.D  
Acq On : 28 Mar 2023 20:22  
Operator : CG/JU  
Sample : 02106-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
VNJ-238

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM030823.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |          |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|----------|------|
|                    |        |         |       |          | #                     | RT     | Resp     | Conc |
| 2-Pentanone, 4-... | 5.028  | 26.1    | ng    | 2435030  | 1                     | 7.934  | 1865270  | 20.0 |
| 2-Heptanone, 6-... | 6.798  | 5.7     | ng    | 527249   | 1                     | 7.934  | 1865270  | 20.0 |
| Ethyl cycloprop... | 12.386 | 8.2     | ng    | 918480   | 2                     | 10.745 | 2239820  | 20.0 |
| unknown14.404      | 14.404 | 4.6     | ng    | 753590   | 3                     | 14.580 | 3308440  | 20.0 |
| Pentadecane, 2,... | 16.321 | 15.0    | ng    | 8898540  | 4                     | 17.339 | 11845000 | 20.0 |
| Hexadecane, 2,6... | 17.151 | 20.0    | ng    | 11845000 | 4                     | 17.339 | 11845000 | 20.0 |