

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM051922\  
 Data File : BM035167.D  
 Acq On : 19 May 2022 23:59  
 Operator : CG/JU  
 Sample : N2865-11  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 P019-SS001-1218-01

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-BM042722.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM035167.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         | 3.622       | 88            | 91          | 101          | rBV      | 91781          | 132228        | 2.04%           | 0.347%        |
| 2         | 5.481       | 401           | 407         | 422          | rBV      | 2305304        | 3364928       | 51.94%          | 8.836%        |
| 3         | 7.075       | 670           | 678         | 692          | rBV      | 2266555        | 3515691       | 54.27%          | 9.232%        |
| 4         | 7.904       | 812           | 819         | 827          | rBV      | 561274         | 864672        | 13.35%          | 2.271%        |
| 5         | 9.063       | 1008          | 1016        | 1028         | rBV      | 1398019        | 2277581       | 35.16%          | 5.981%        |
| 6         | 10.704      | 1286          | 1295        | 1307         | rBV      | 688877         | 1168027       | 18.03%          | 3.067%        |
| 7         | 13.169      | 1706          | 1714        | 1725         | rBV      | 3276820        | 4656683       | 71.89%          | 12.228%       |
| 8         | 13.745      | 1806          | 1812        | 1819         | rBV      | 51279          | 78054         | 1.20%           | 0.205%        |
| 9         | 13.998      | 1849          | 1855        | 1864         | rBV      | 69893          | 102472        | 1.58%           | 0.269%        |
| 10        | 14.163      | 1876          | 1883        | 1895         | rBV      | 106499         | 177737        | 2.74%           | 0.467%        |
| 11        | 14.539      | 1938          | 1947        | 1954         | rBV      | 1075993        | 1604492       | 24.77%          | 4.213%        |
| 12        | 14.645      | 1961          | 1965        | 1972         | rVB4     | 47847          | 90899         | 1.40%           | 0.239%        |
| 13        | 16.027      | 2193          | 2200        | 2210         | rBV      | 2840649        | 3927568       | 60.63%          | 10.314%       |
| 14        | 17.286      | 2406          | 2414        | 2420         | rBV      | 1217249        | 1762760       | 27.21%          | 4.629%        |
| 15        | 17.674      | 2473          | 2480        | 2487         | rBV2     | 50164          | 94494         | 1.46%           | 0.248%        |
| 16        | 17.968      | 2525          | 2530        | 2535         | rVB      | 144049         | 177058        | 2.73%           | 0.465%        |
| 17        | 18.192      | 2562          | 2568        | 2577         | rBV      | 629831         | 887069        | 13.69%          | 2.329%        |
| 18        | 19.139      | 2725          | 2729        | 2733         | rVB2     | 142404         | 161210        | 2.49%           | 0.423%        |
| 19        | 19.274      | 2748          | 2752        | 2756         | rBV      | 131998         | 143099        | 2.21%           | 0.376%        |
| 20        | 19.345      | 2761          | 2764        | 2766         | rBV      | 59429          | 67739         | 1.05%           | 0.178%        |
| 21        | 19.463      | 2780          | 2784        | 2795         | rBV      | 231001         | 384626        | 5.94%           | 1.010%        |
| 22        | 19.704      | 2822          | 2825        | 2834         | rBV3     | 45435          | 78897         | 1.22%           | 0.207%        |
| 23        | 19.910      | 2855          | 2860        | 2866         | rBV      | 5535516        | 6477911       | 100.00%         | 17.011%       |
| 24        | 21.186      | 3073          | 3077        | 3085         | rVB      | 812630         | 1033846       | 15.96%          | 2.715%        |
| 25        | 21.386      | 3108          | 3111        | 3116         | rBV      | 581226         | 660888        | 10.20%          | 1.735%        |
| 26        | 21.468      | 3120          | 3125        | 3135         | rVB      | 1573586        | 2166177       | 33.44%          | 5.688%        |
| 27        | 23.850      | 3525          | 3530        | 3541         | rVB2     | 1008431        | 2023944       | 31.24%          | 5.315%        |

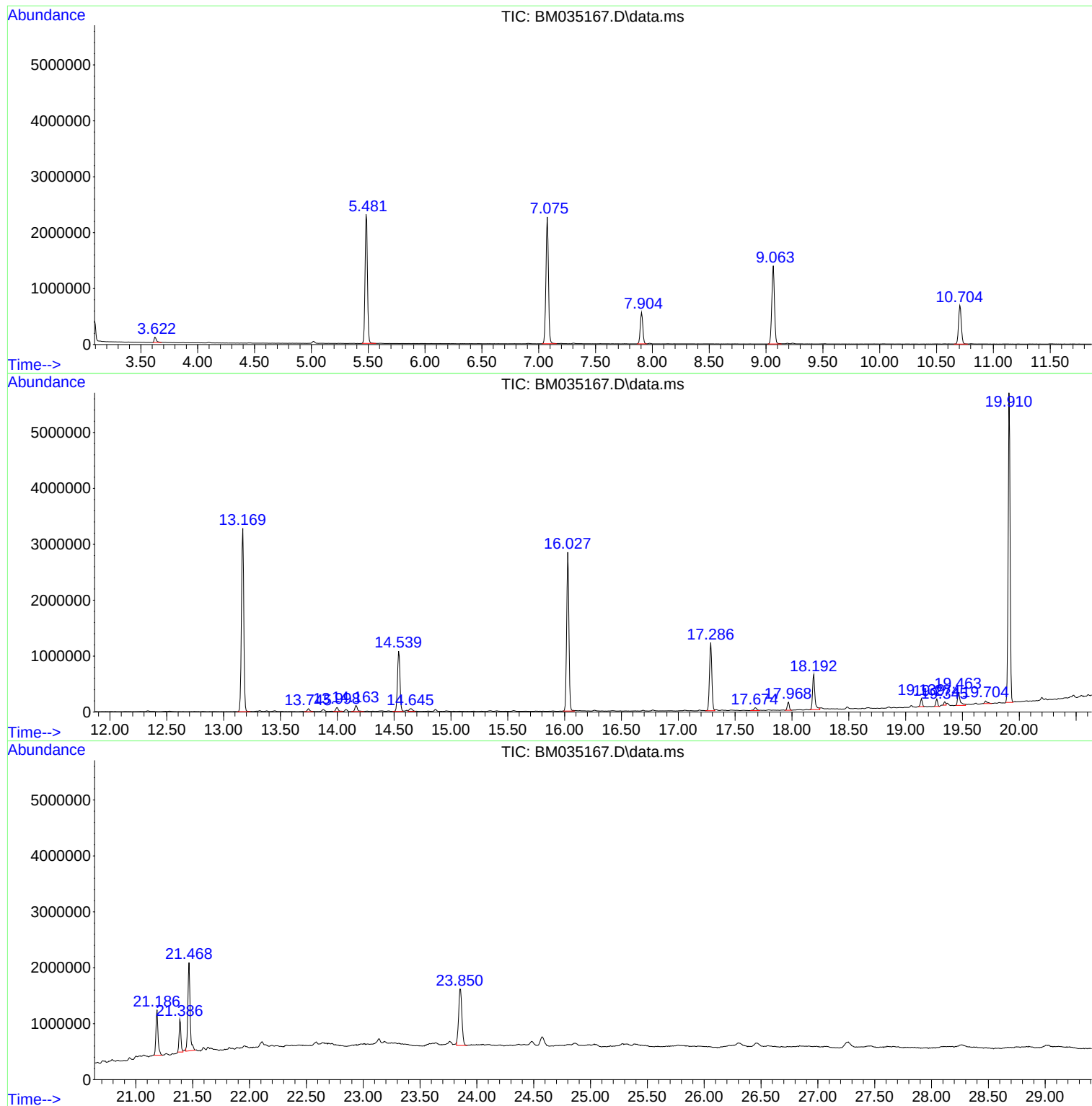
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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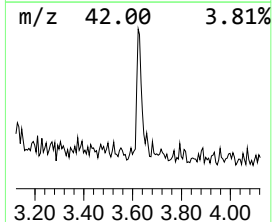
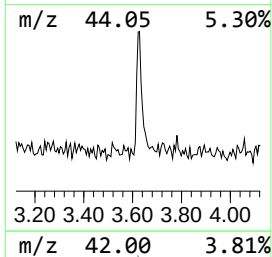
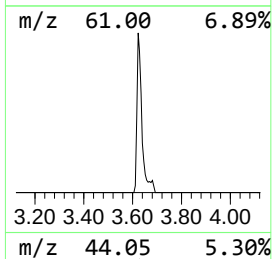
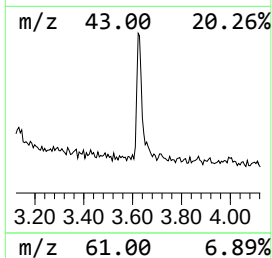
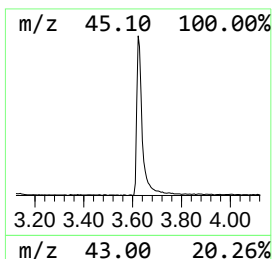
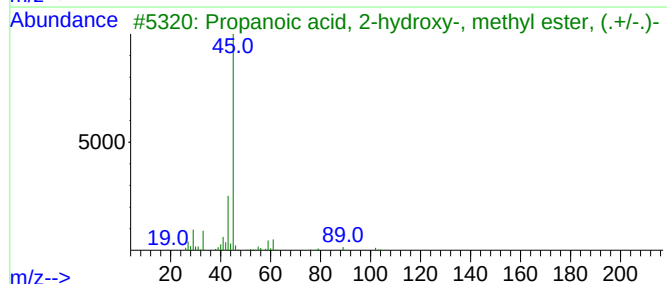
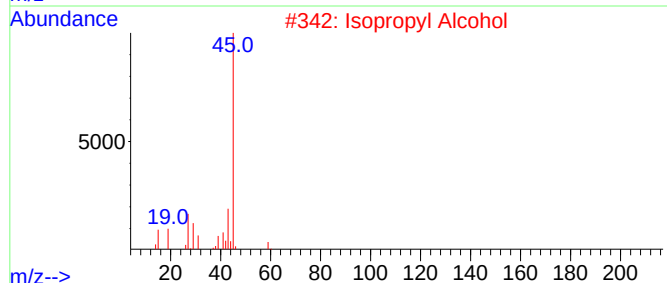
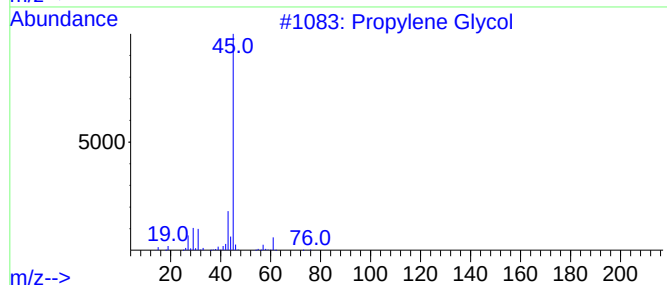
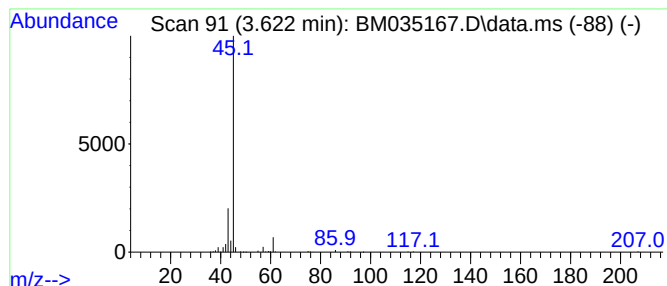
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Propylene Glycol Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 3.622 | 3.06 ng | 132228 | 1,4-Dichlorobenzene-d4 | 7.904 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Propylene Glycol                    | 76  | C3H8O2  | 000057-55-6 | 72   |
| 2    |    |   | Isopropyl Alcohol                   | 60  | C3H8O   | 000067-63-0 | 56   |
| 3    |    |   | Propanoic acid, 2-hydroxy-, meth... | 104 | C4H8O3  | 000547-64-8 | 9    |
| 4    |    |   | (S)-Isopropyl lactate               | 132 | C6H12O3 | 063697-00-7 | 9    |
| 5    |    |   | 2-Pentanol, 4-methyl-               | 102 | C6H14O  | 000108-11-2 | 9    |



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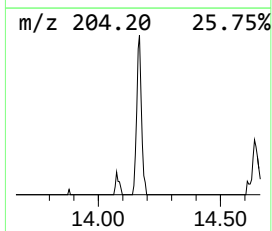
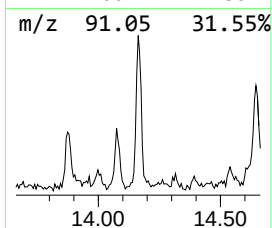
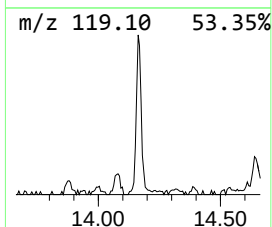
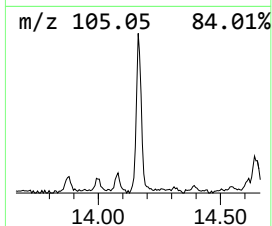
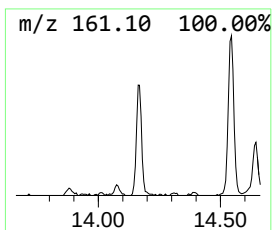
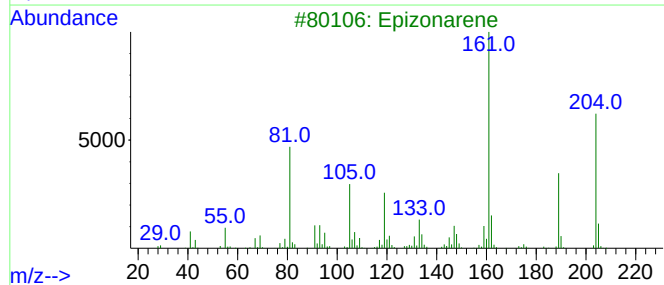
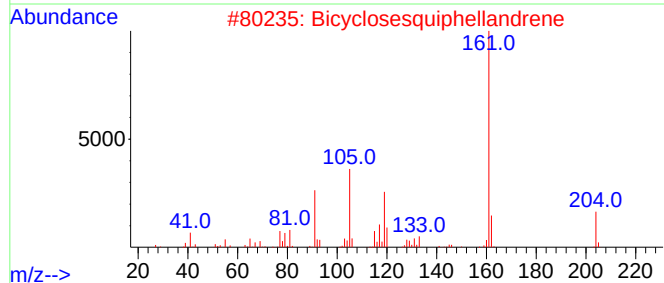
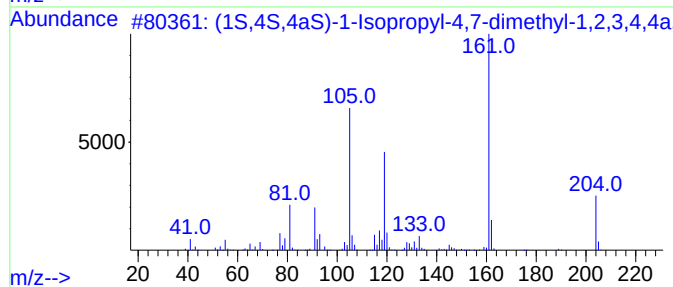
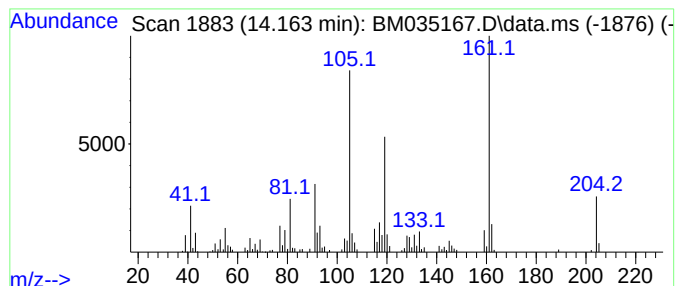
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Peak Number 2 (1S,4S,4aS)-1-Isopropyl-4,7... Concentration Rank 5

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 14.163    | 2.22 ng                             | 177737 | Acenaphthene-d10 | 14.539       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | (1S,4S,4aS)-1-Isopropyl-4,7-dime... | 204    | C15H24           | 267665-20-3  | 96   |
| 2         | Bicyclosquiphellandrene             | 204    | C15H24           | 054324-03-7  | 90   |
| 3         | Epizonarene                         | 204    | C15H24           | 041702-63-0  | 83   |
| 4         | cis-muurola-3,5-diene               | 204    | C15H24           | 1000365-95-4 | 81   |
| 5         | Naphthalene, 1,2,3,5,6,8a-hexahy... | 204    | C15H24           | 000483-76-1  | 76   |



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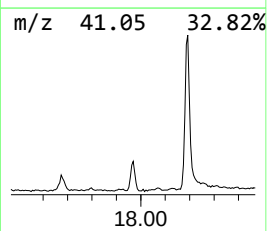
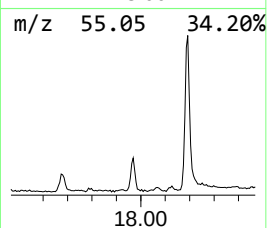
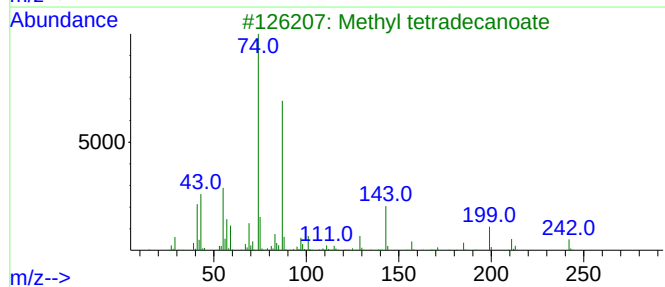
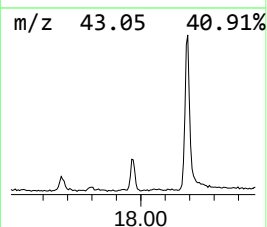
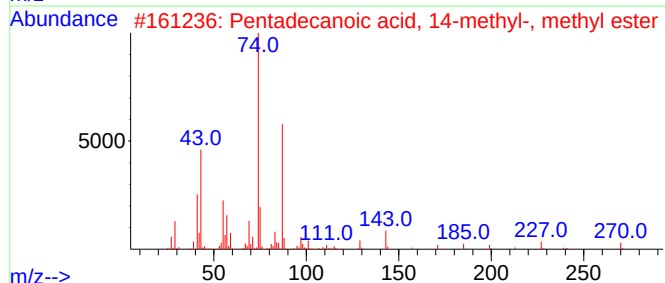
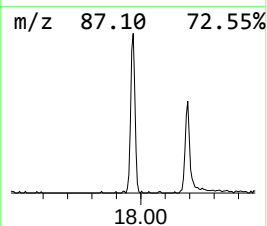
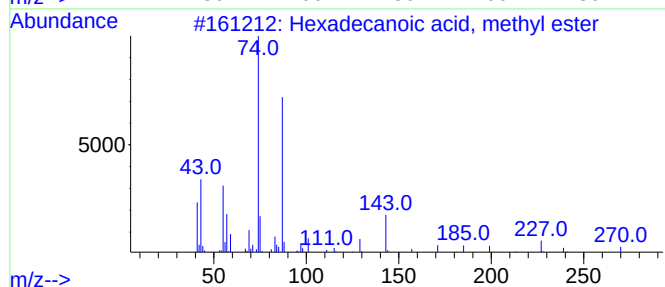
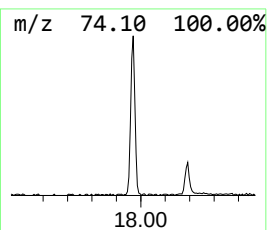
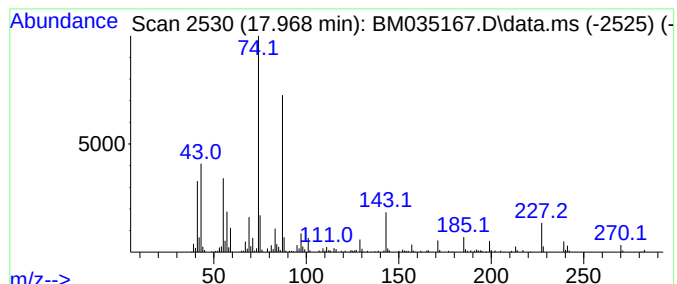
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TIC Library : C:\Database\NIST20.L  
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Peak Number 3 Hexadecanoic acid, methyl e... Concentration Rank 6

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 17.968    | 2.01 ng                             | 177058 | Phenanthrene-d10 | 17.286      |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Hexadecanoic acid, methyl ester     | 270    | C17H34O2         | 000112-39-0 | 98   |
| 2         | Pentadecanoic acid, 14-methyl-, ... | 270    | C17H34O2         | 005129-60-2 | 95   |
| 3         | Methyl tetradecanoate               | 242    | C15H30O2         | 000124-10-7 | 91   |
| 4         | Tridecanoic acid, methyl ester      | 228    | C14H28O2         | 001731-88-0 | 91   |
| 5         | Decanoic acid, methyl ester         | 186    | C11H22O2         | 000110-42-9 | 87   |



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Instrument :  
BNA\_M  
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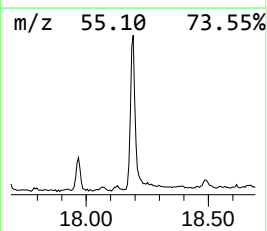
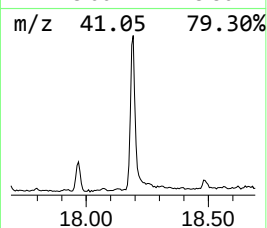
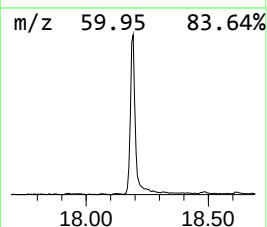
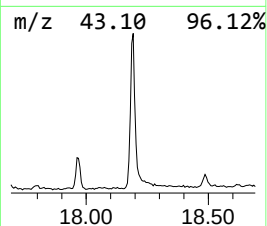
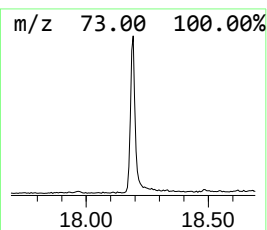
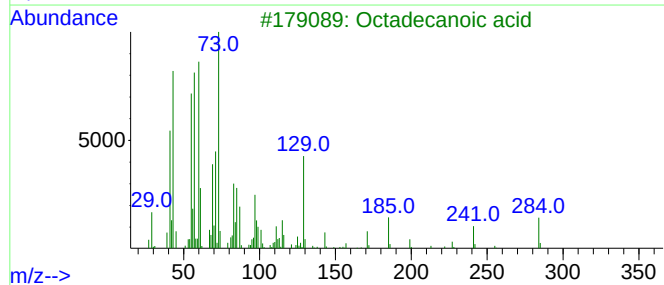
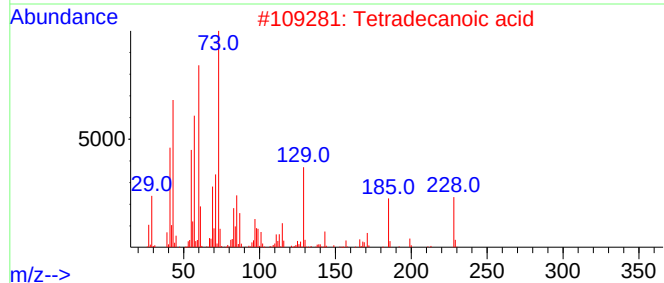
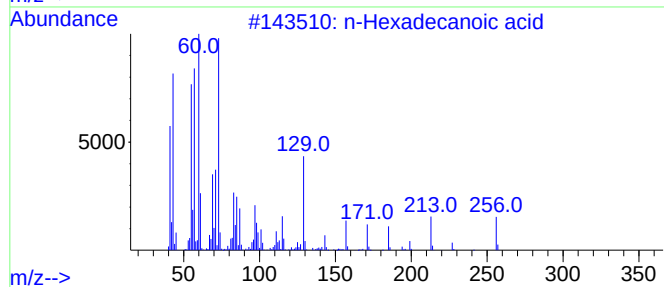
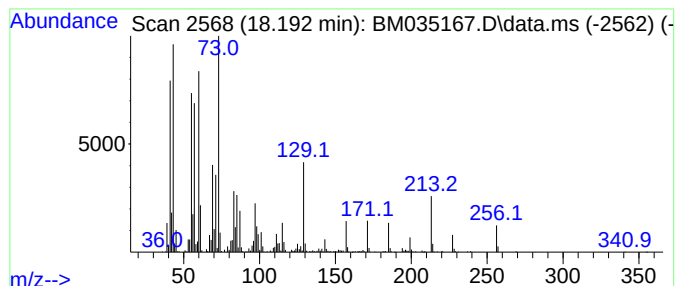
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Peak Number 4 n-Hexadecanoic acid Concentration Rank 1

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 18.192 | 10.06 ng | 887069 | Phenanthrene-d10 | 17.286 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 93   |
| 3    |    |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 93   |
| 4    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 91   |
| 5    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 90   |



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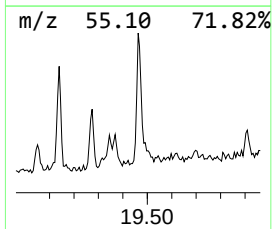
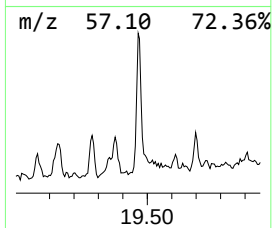
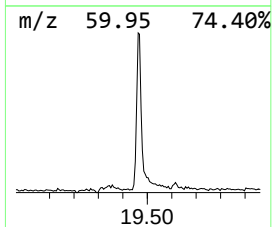
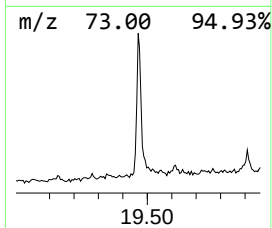
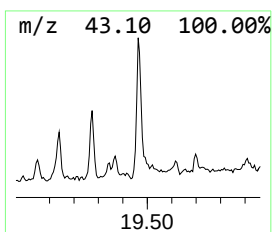
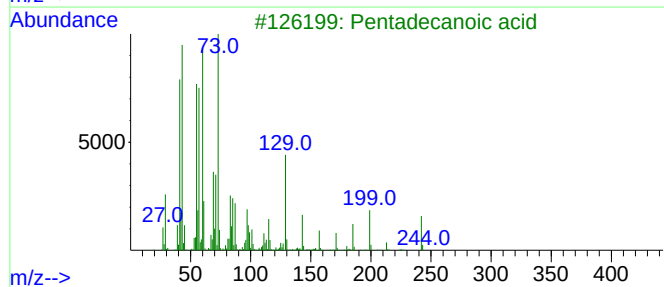
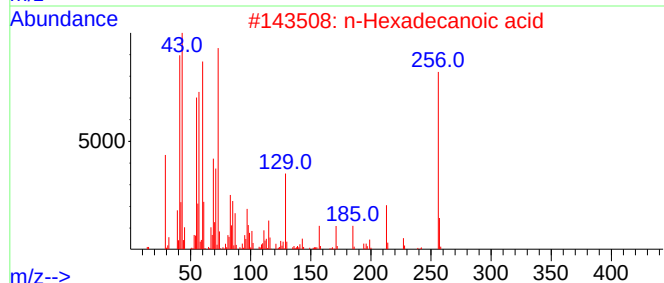
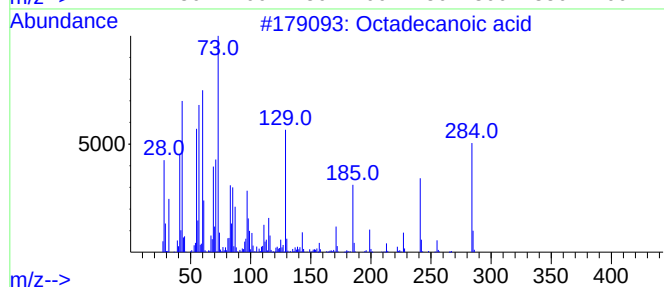
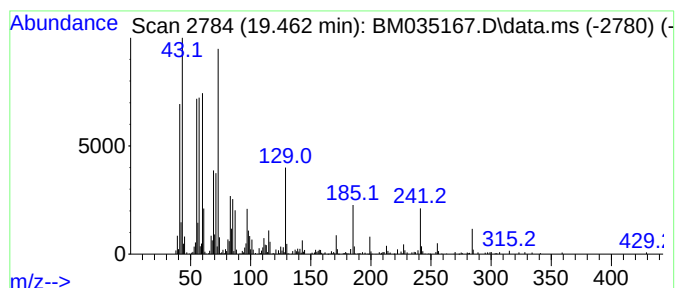
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Peak Number 5 Octadecanoic acid Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 19.462 | 3.55 ng | 384626 | Chrysene-d12     | 21.468 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 93   |
| 3    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 93   |
| 4    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 83   |
| 5    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 76   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM051922\  
Data File : BM035167.D  
Acq On : 19 May 2022 23:59  
Operator : CG/JU  
Sample : N2865-11  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
P019-SS001-1218-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

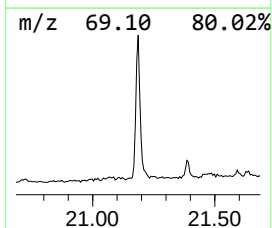
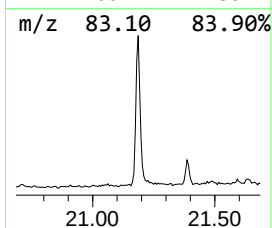
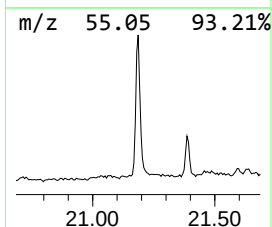
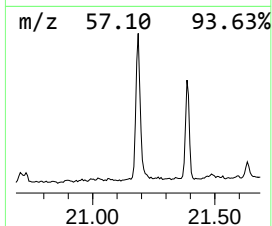
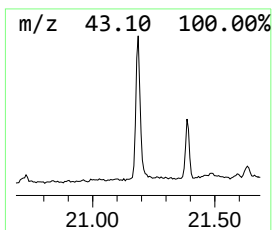
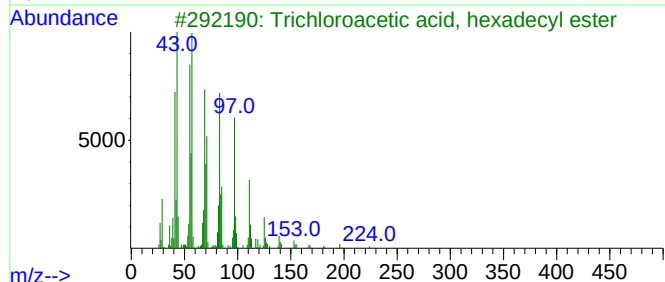
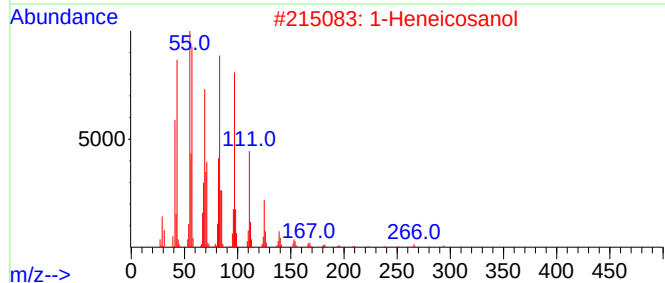
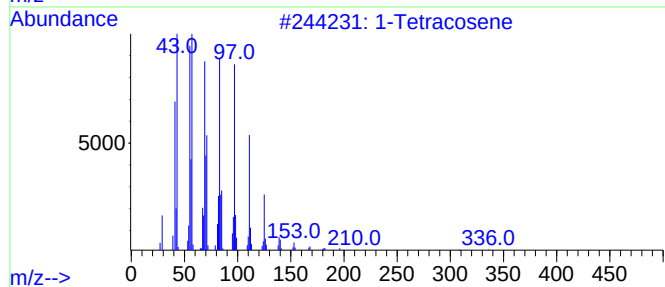
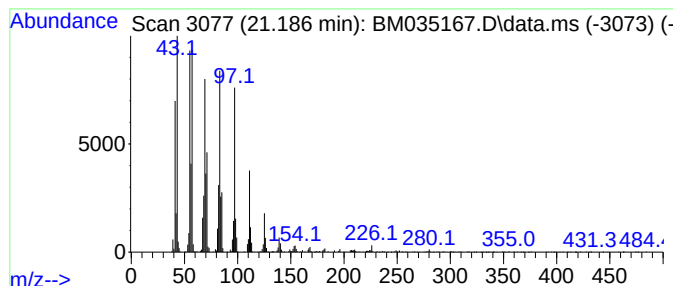
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Peak Number 6 1-Tetracosene Concentration Rank 2

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 21.186 | 9.55 ng | 1033850 | Chrysene-d12     | 21.468 |

| Hit# | of 5                                | Tentative ID | MW  | MolForm     | CAS#        | Qual |
|------|-------------------------------------|--------------|-----|-------------|-------------|------|
| 1    | 1-Tetracosene                       |              | 336 | C24H48      | 010192-32-2 | 95   |
| 2    | 1-Heneicosanol                      |              | 312 | C21H44O     | 015594-90-8 | 94   |
| 3    | Trichloroacetic acid, hexadecyl ... |              | 386 | C18H33Cl3O2 | 074339-54-1 | 94   |
| 4    | Pentacos-1-ene                      |              | 350 | C25H50      | 016980-85-1 | 94   |
| 5    | 1-Hexacosene                        |              | 364 | C26H52      | 018835-33-1 | 94   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM051922\  
Data File : BM035167.D  
Acq On : 19 May 2022 23:59  
Operator : CG/JU  
Sample : N2865-11  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
P019-SS001-1218-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042722.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 |
| Propylene Glycol   | 3.622  | 3.1     | ng    | 132228   | 1                     | 7.904  | 864672  | 20.0 |
| (1S,4S,4aS)-1-I... | 14.163 | 2.2     | ng    | 177737   | 3                     | 14.539 | 1604490 | 20.0 |
| Hexadecanoic ac... | 17.968 | 2.0     | ng    | 177058   | 4                     | 17.286 | 1762760 | 20.0 |
| n-Hexadecanoic ... | 18.192 | 10.1    | ng    | 887069   | 4                     | 17.286 | 1762760 | 20.0 |
| Octadecanoic acid  | 19.462 | 3.5     | ng    | 384626   | 5                     | 21.468 | 2166180 | 20.0 |
| 1-Tetracosene      | 21.186 | 9.6     | ng    | 1033850  | 5                     | 21.468 | 2166180 | 20.0 |