

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP021921\  
 Data File : BP004831.D  
 Acq On : 19 Feb 2021 20:22  
 Operator : CG/JU  
 Sample : M1441-02  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SP-234-B

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\_P\Methods\8270E-BP020521.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP004831.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         | 5.358       | 362           | 369         | 381          | rBV      | 886821         | 1260207       | 55.10%          | 9.406%        |
| 2         | 6.946       | 627           | 639         | 652          | rBV      | 791254         | 1309552       | 57.26%          | 9.774%        |
| 3         | 7.758       | 768           | 777         | 785          | rBV      | 198997         | 313930        | 13.73%          | 2.343%        |
| 4         | 8.922       | 963           | 975         | 987          | rBV      | 498604         | 824903        | 36.07%          | 6.157%        |
| 5         | 10.552      | 1245          | 1252        | 1260         | rBV      | 231269         | 393563        | 17.21%          | 2.937%        |
| 6         | 12.228      | 1528          | 1537        | 1549         | rBV5     | 15939          | 55370         | 2.42%           | 0.413%        |
| 7         | 13.028      | 1665          | 1673        | 1684         | rBV      | 1157605        | 1667435       | 72.91%          | 12.445%       |
| 8         | 13.863      | 1809          | 1815        | 1825         | rBV      | 70987          | 106032        | 4.64%           | 0.791%        |
| 9         | 14.410      | 1900          | 1908        | 1914         | rBV      | 327450         | 487330        | 21.31%          | 3.637%        |
| 10        | 15.904      | 2155          | 2162        | 2169         | rBV      | 962376         | 1351085       | 59.07%          | 10.084%       |
| 11        | 17.163      | 2370          | 2376        | 2380         | rBV      | 418522         | 575555        | 25.16%          | 4.296%        |
| 12        | 17.204      | 2380          | 2383        | 2389         | rVB      | 81138          | 109975        | 4.81%           | 0.821%        |
| 13        | 17.292      | 2394          | 2398        | 2404         | rVB      | 18363          | 29456         | 1.29%           | 0.220%        |
| 14        | 18.057      | 2520          | 2528        | 2537         | rBV3     | 46760          | 107524        | 4.70%           | 0.803%        |
| 15        | 18.228      | 2552          | 2557        | 2560         | rBV3     | 16089          | 26695         | 1.17%           | 0.199%        |
| 16        | 19.175      | 2714          | 2718        | 2725         | rVB      | 179770         | 240327        | 10.51%          | 1.794%        |
| 17        | 19.504      | 2770          | 2774        | 2775         | rBV3     | 30746          | 38540         | 1.69%           | 0.288%        |
| 18        | 19.528      | 2775          | 2778        | 2786         | rVB      | 145203         | 208008        | 9.09%           | 1.553%        |
| 19        | 19.728      | 2807          | 2812        | 2817         | rBV      | 1819079        | 2287127       | 100.00%         | 17.070%       |
| 20        | 20.692      | 2973          | 2976        | 2980         | rBV2     | 55933          | 68054         | 2.98%           | 0.508%        |
| 21        | 20.957      | 3018          | 3021        | 3030         | rVB4     | 122033         | 173820        | 7.60%           | 1.297%        |
| 22        | 21.251      | 3065          | 3071        | 3075         | rBV2     | 580981         | 866122        | 37.87%          | 6.464%        |
| 23        | 21.286      | 3075          | 3077        | 3083         | rVB      | 90170          | 104227        | 4.56%           | 0.778%        |
| 24        | 22.851      | 3340          | 3343        | 3349         | rBV2     | 65005          | 140863        | 6.16%           | 1.051%        |
| 25        | 23.557      | 3457          | 3463        | 3470         | rBV2     | 359425         | 652503        | 28.53%          | 4.870%        |

Sum of corrected areas: 13398203



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ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SP-234-B

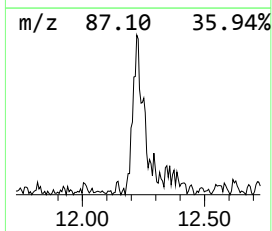
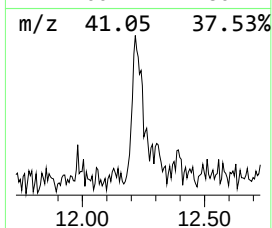
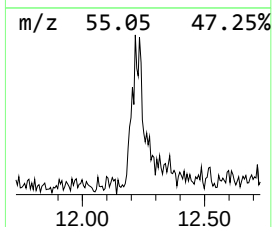
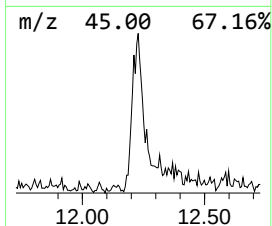
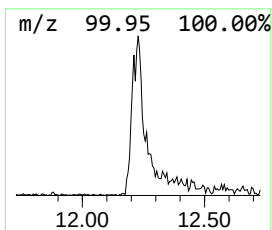
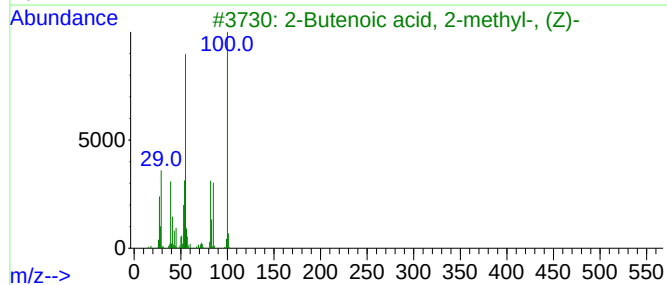
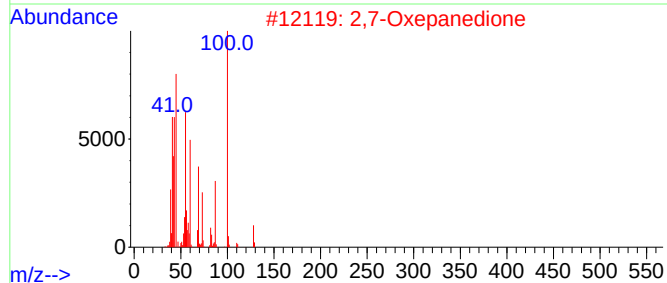
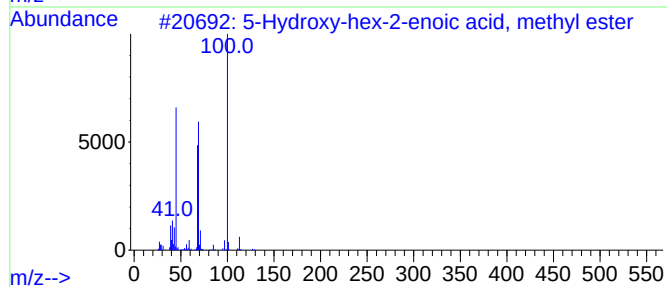
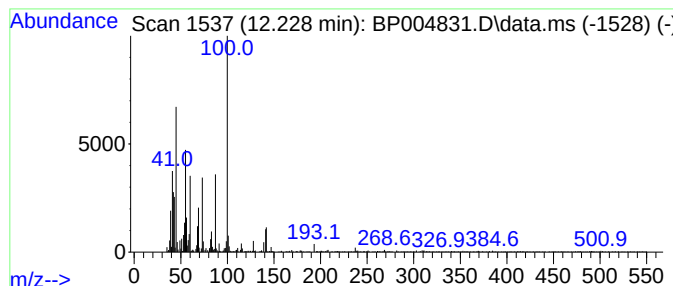
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP020521.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown12.228 Concentration Rank 3

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 12.228 | 2.81 ng | 55370 | Naphthalene-d8   | 10.552 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | 5-Hydroxy-hex-2-enoic acid, meth... | 144 | C7H12O3  | 1000192-59-9 | 47   |
| 2    |    |   | 2,7-Oxepanedione                    | 128 | C6H8O3   | 002035-75-8  | 38   |
| 3    |    |   | 2-Butenoic acid, 2-methyl-, (Z)-    | 100 | C5H8O2   | 000565-63-9  | 35   |
| 4    |    |   | Imidazole, 5-fluoro-2-methyl-       | 100 | C4H5FN2  | 071516-19-3  | 35   |
| 5    |    |   | 4-Morpholineethanol                 | 131 | C6H13NO2 | 000622-40-2  | 35   |



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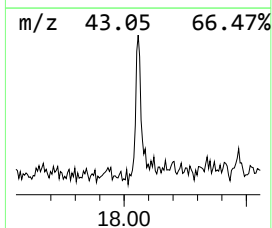
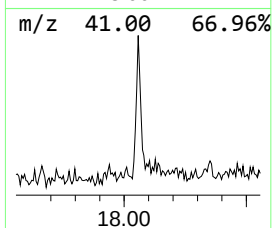
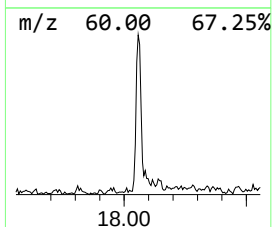
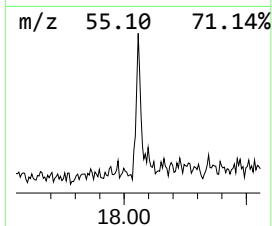
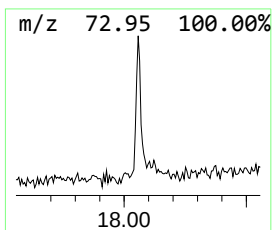
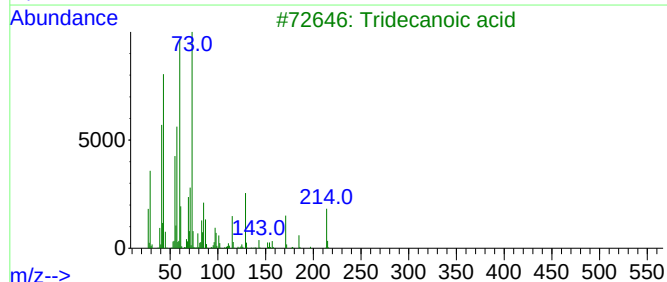
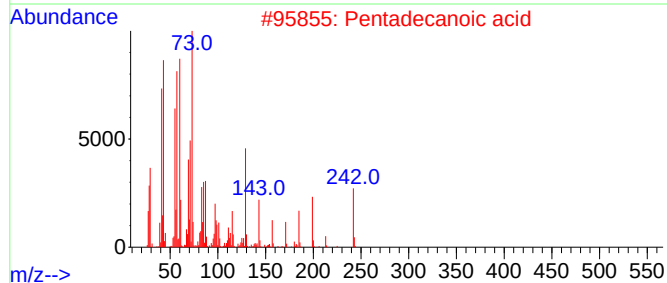
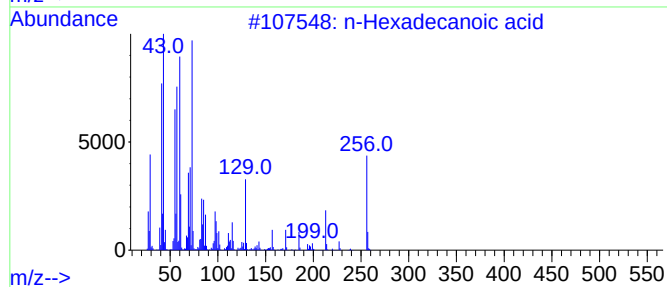
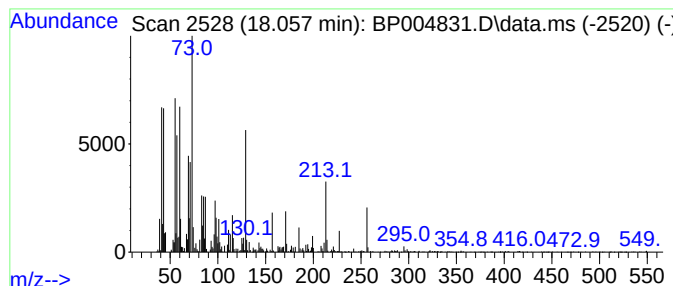
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP020521.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.057 | 3.74 ng | 107524 | Phenanthrene-d10 | 17.163 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 95   |
| 2    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 70   |
| 3    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 64   |
| 4    |    |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 58   |
| 5    |    |   | Dodecanoic acid     | 200 | C12H24O2 | 000143-07-7 | 58   |



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ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SP-234-B

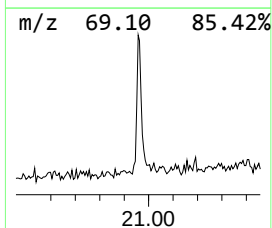
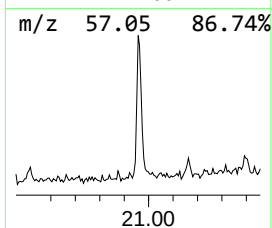
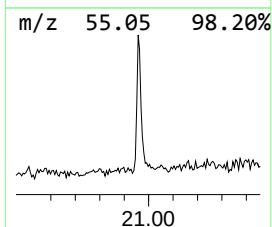
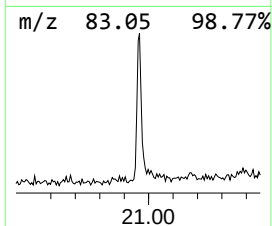
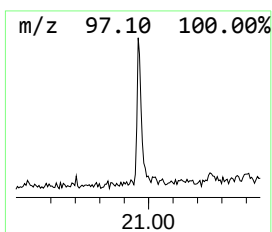
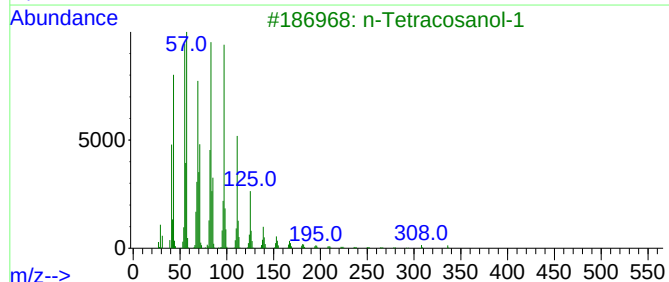
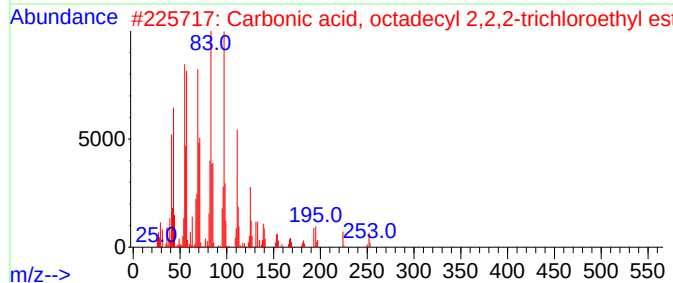
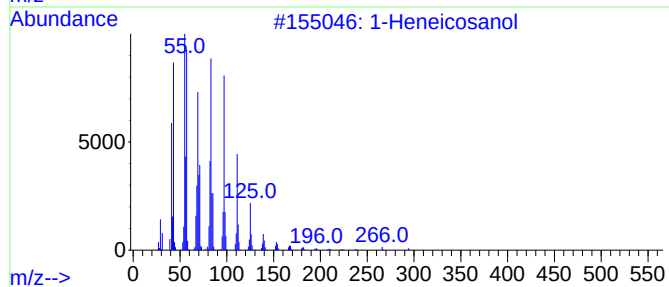
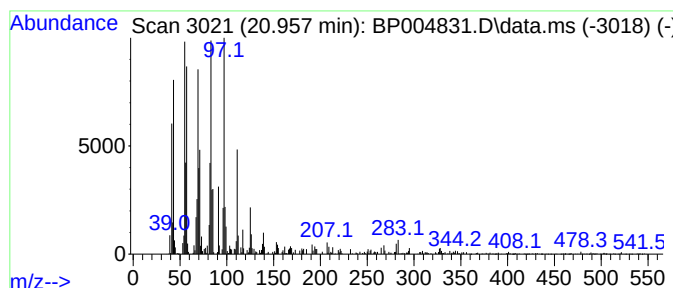
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP020521.M  
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 1-Heneicosanol Concentration Rank 1

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 20.957 | 4.01 ng | 173820 | Chrysene-d12     | 21.251 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | 1-Heneicosanol                      | 312 | C21H44O     | 015594-90-8  | 94   |
| 2    |    |   | Carbonic acid, octadecyl 2,2,2-t... | 444 | C21H39Cl3O3 | 1000314-56-3 | 94   |
| 3    |    |   | n-Tetracosanol-1                    | 354 | C24H50O     | 000506-51-4  | 94   |
| 4    |    |   | n-Nonadecanol-1                     | 284 | C19H40O     | 001454-84-8  | 94   |
| 5    |    |   | 1-Heneicosyl formate                | 340 | C22H44O2    | 077899-03-7  | 93   |



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| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| unknown12.228      | 12.228 | 2.8     | ng    | 55370    | 2                     | 10.552 | 393563 | 20.0 |
| n-Hexadecanoic ... | 18.057 | 3.7     | ng    | 107524   | 4                     | 17.163 | 575555 | 20.0 |
| 1-Heneicosanol     | 20.957 | 4.0     | ng    | 173820   | 5                     | 21.251 | 866122 | 20.0 |