

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081721\  
 Data File : BP006705.D  
 Acq On : 17 Aug 2021 03:44  
 Operator : CG/JU  
 Sample : M3425-11  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 22N

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-BP080321.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP006705.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         | 4.858       | 297           | 301         | 307          | rVB      | 94981          | 132137        | 1.26%           | 0.216%        |
| 2         | 5.305       | 371           | 377         | 390          | rVB      | 3612260        | 5125736       | 48.84%          | 8.370%        |
| 3         | 6.893       | 639           | 647         | 657          | rVB      | 3438405        | 5504913       | 52.45%          | 8.989%        |
| 4         | 7.704       | 779           | 785         | 792          | rVB      | 749368         | 1157659       | 11.03%          | 1.890%        |
| 5         | 8.863       | 975           | 982         | 990          | rBV      | 2251641        | 3623858       | 34.53%          | 5.917%        |
| 6         | 10.287      | 1218          | 1224        | 1236         | rBV      | 153992         | 283806        | 2.70%           | 0.463%        |
| 7         | 10.487      | 1251          | 1258        | 1264         | rBV      | 1036175        | 1693761       | 16.14%          | 2.766%        |
| 8         | 12.969      | 1672          | 1680        | 1693         | rBV      | 5071141        | 7413499       | 70.64%          | 12.105%       |
| 9         | 14.345      | 1904          | 1914        | 1920         | rBV      | 1432603        | 2089779       | 19.91%          | 3.412%        |
| 10        | 14.404      | 1920          | 1924        | 1933         | rVB      | 73653          | 118029        | 1.12%           | 0.193%        |
| 11        | 15.398      | 2086          | 2093        | 2098         | rVB      | 70340          | 107982        | 1.03%           | 0.176%        |
| 12        | 15.839      | 2159          | 2168        | 2177         | rBV      | 4025914        | 5558862       | 52.97%          | 9.077%        |
| 13        | 16.916      | 2347          | 2351        | 2361         | rVB      | 57711          | 105060        | 1.00%           | 0.172%        |
| 14        | 17.098      | 2376          | 2382        | 2386         | rBV      | 1654370        | 2393544       | 22.81%          | 3.908%        |
| 15        | 17.145      | 2386          | 2390        | 2395         | rVV      | 847536         | 1204510       | 11.48%          | 1.967%        |
| 16        | 17.233      | 2397          | 2405        | 2411         | rVB      | 190798         | 285503        | 2.72%           | 0.466%        |
| 17        | 17.975      | 2526          | 2531        | 2534         | rBV      | 90831          | 121120        | 1.15%           | 0.198%        |
| 18        | 18.016      | 2534          | 2538        | 2546         | rVV2     | 203109         | 327392        | 3.12%           | 0.535%        |
| 19        | 18.163      | 2557          | 2563        | 2567         | rVV2     | 142903         | 281545        | 2.68%           | 0.460%        |
| 20        | 18.463      | 2610          | 2614        | 2618         | rBV      | 83296          | 105609        | 1.01%           | 0.172%        |
| 21        | 18.933      | 2688          | 2694        | 2697         | rBV4     | 69427          | 112129        | 1.07%           | 0.183%        |
| 22        | 19.004      | 2702          | 2706        | 2714         | rVB      | 63316          | 113329        | 1.08%           | 0.185%        |
| 23        | 19.122      | 2721          | 2726        | 2733         | rBV      | 1234649        | 1570626       | 14.97%          | 2.565%        |
| 24        | 19.445      | 2777          | 2781        | 2782         | rBV      | 205027         | 236955        | 2.26%           | 0.387%        |
| 25        | 19.474      | 2782          | 2786        | 2795         | rVB      | 1035838        | 1411732       | 13.45%          | 2.305%        |
| 26        | 19.686      | 2813          | 2822        | 2832         | rVB      | 8243975        | 10495183      | 100.00%         | 17.137%       |
| 27        | 19.957      | 2866          | 2868        | 2873         | rVB      | 133472         | 155724        | 1.48%           | 0.254%        |
| 28        | 20.692      | 2990          | 2993        | 3001         | rBV      | 87737          | 117374        | 1.12%           | 0.192%        |
| 29        | 20.933      | 3031          | 3034        | 3040         | rBV3     | 287280         | 425056        | 4.05%           | 0.694%        |
| 30        | 21.133      | 3064          | 3068        | 3072         | rBV      | 530500         | 562122        | 5.36%           | 0.918%        |
| 31        | 21.204      | 3074          | 3080        | 3084         | rVV3     | 2250128        | 3496174       | 33.31%          | 5.709%        |
| 32        | 21.239      | 3084          | 3086        | 3095         | rVB      | 508858         | 607527        | 5.79%           | 0.992%        |
| 33        | 22.815      | 3350          | 3354        | 3367         | rVB      | 356516         | 1083913       | 10.33%          | 1.770%        |
| 34        | 23.415      | 3451          | 3456        | 3464         | rVB      | 331763         | 668575        | 6.37%           | 1.092%        |
| 35        | 23.515      | 3467          | 3473        | 3480         | rBV2     | 1347413        | 2551842       | 24.31%          | 4.167%        |

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Operator : CG/JU  
Sample : M3425-11  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
22N

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-BP080321.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

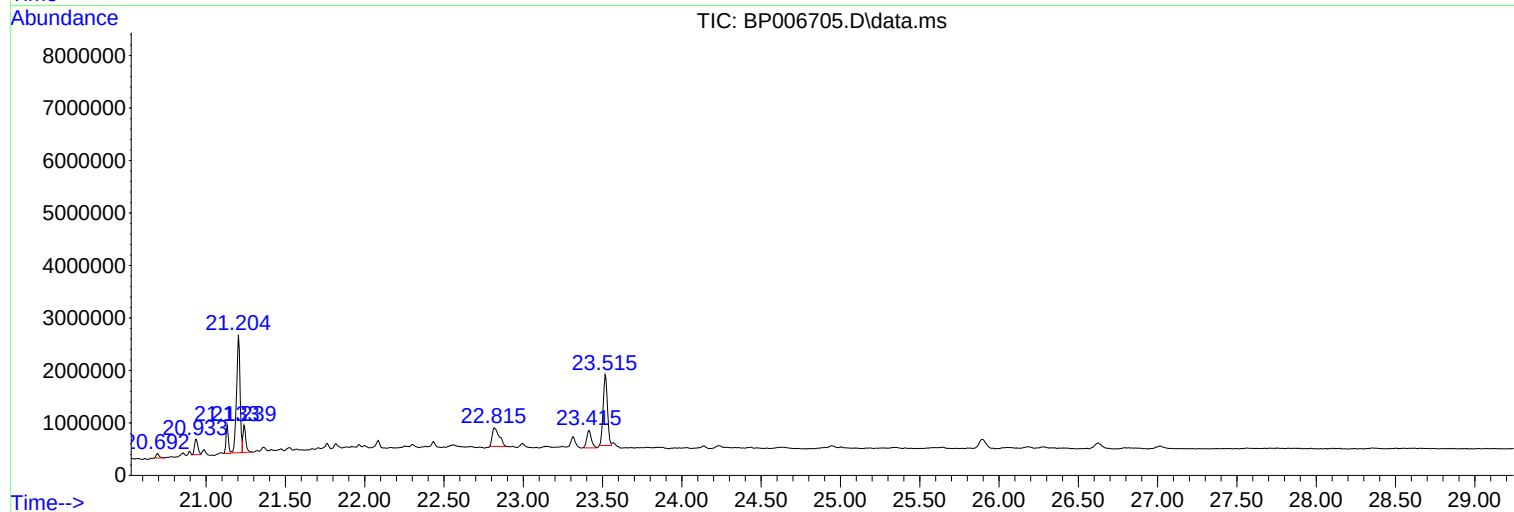
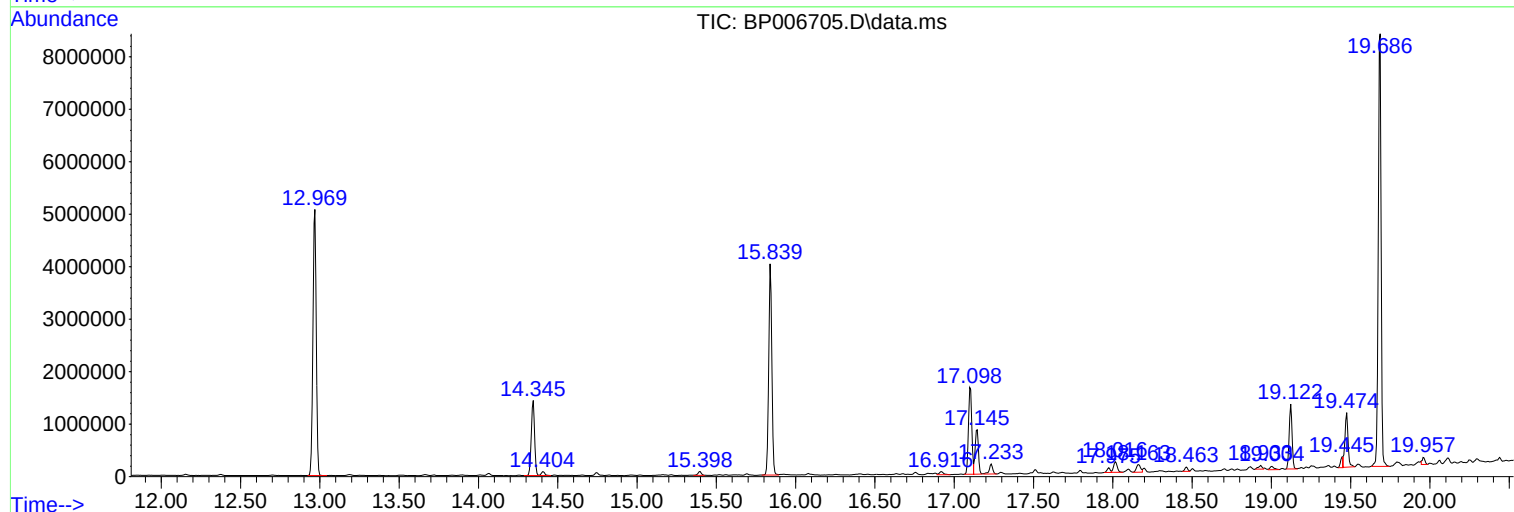
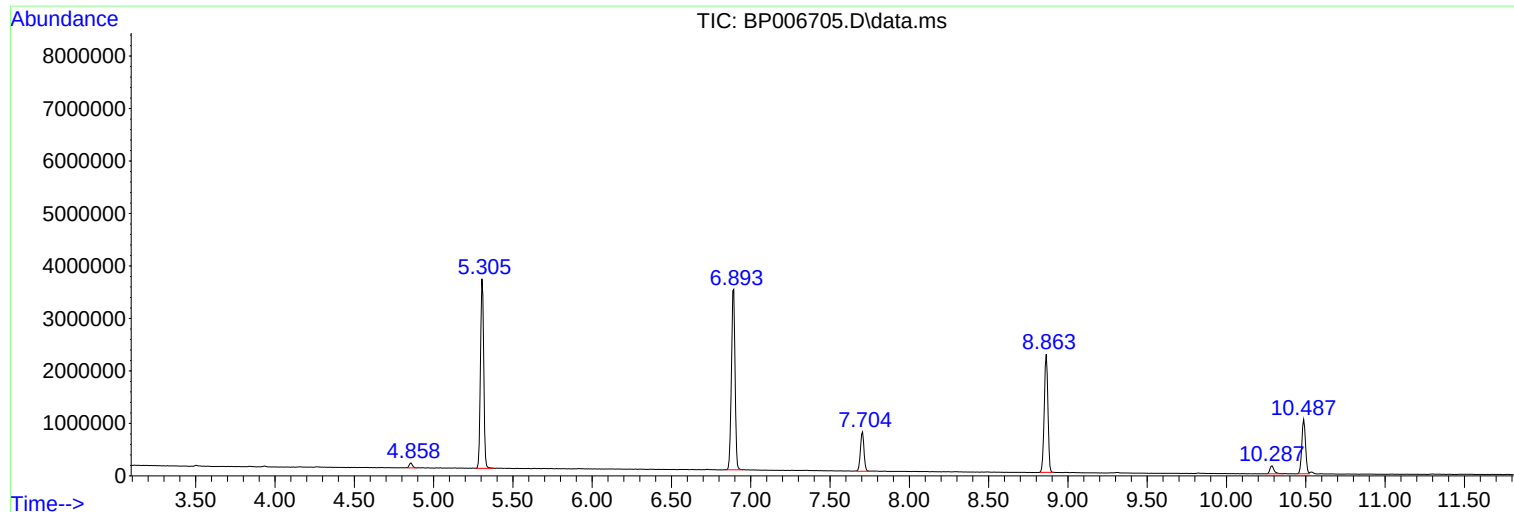
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Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081721\  
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Instrument :  
BNA\_P  
ClientSampled :  
22N

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP080321.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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Misc :  
ALS Vial : 20 Sample Multiplier: 1

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP080321.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

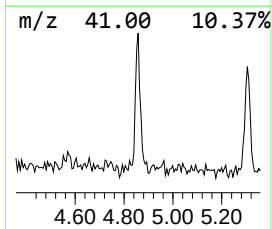
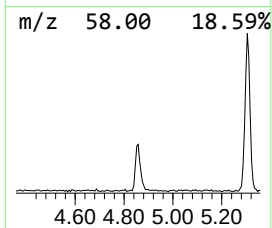
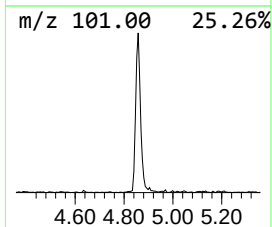
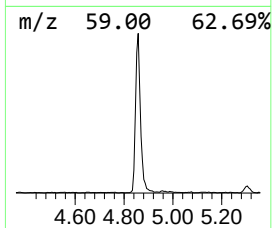
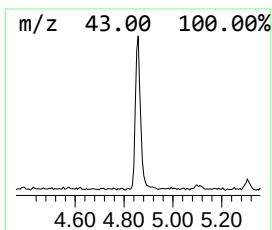
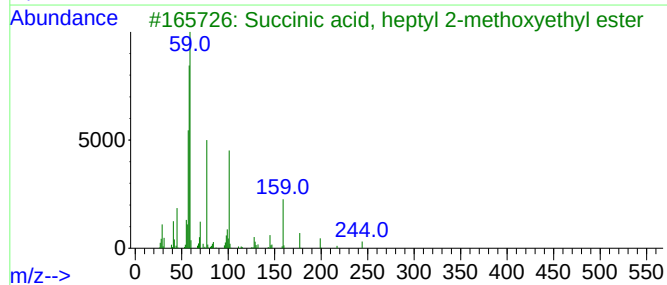
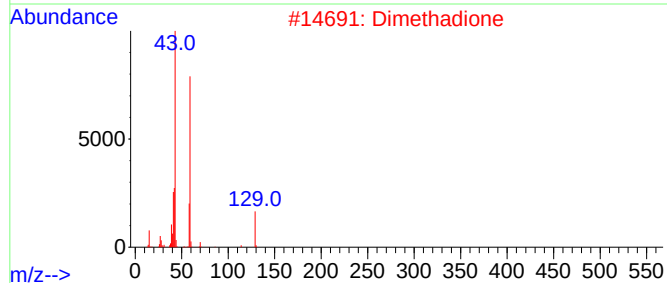
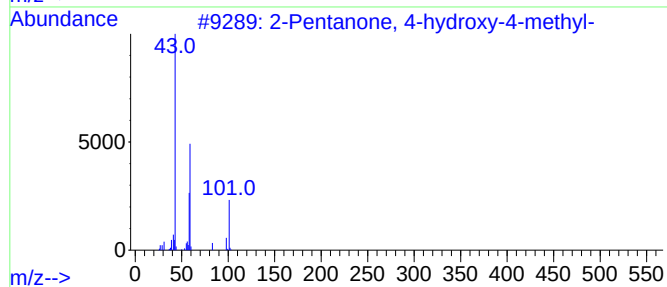
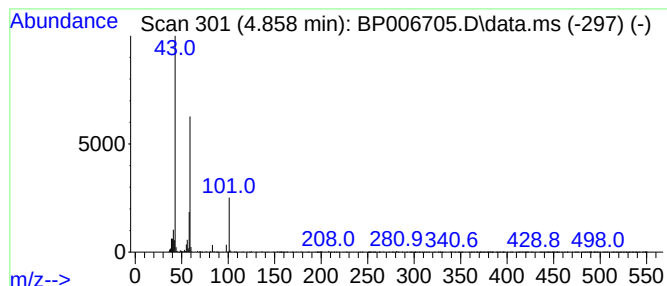
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 4.858 | 2.28 ng | 132137 | 1,4-Dichlorobenzene-d4 | 7.704 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2      | 000123-42-2  | 64      |      |      |
| 2    | Dimethadione                        | 129 | C5H7NO3      | 000695-53-4  | 40      |      |      |
| 3    | Succinic acid, heptyl 2-methoxye... | 274 | C14H26O5     | 1000325-80-7 | 28      |      |      |
| 4    | (+)-4-Amino-4,5-dihydro-2(3H)-f...  | 101 | C4H7NO2      | 016504-58-8  | 25      |      |      |
| 5    | 2-Hexanol, 2-methyl-                | 116 | C7H16O       | 000625-23-0  | 25      |      |      |



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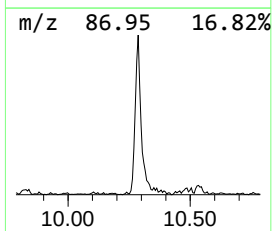
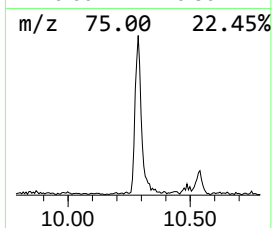
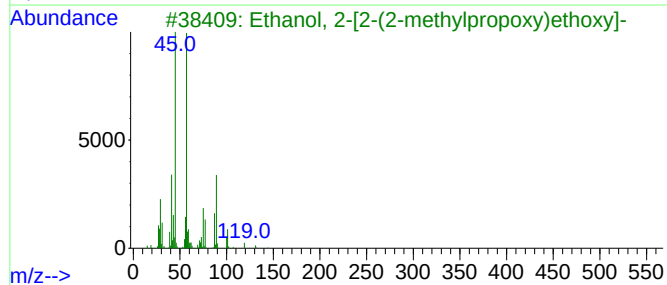
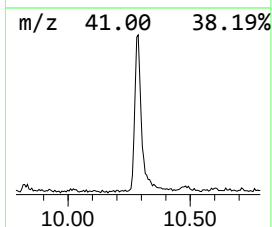
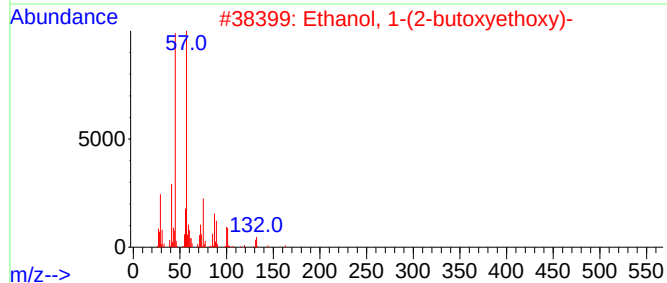
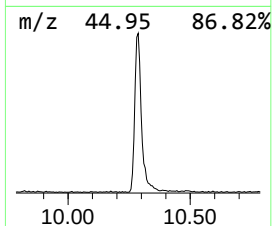
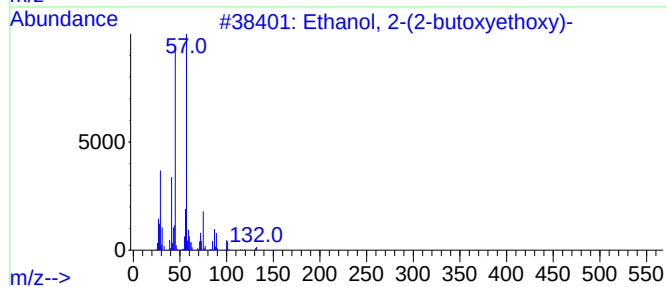
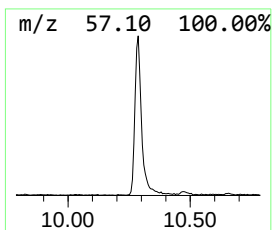
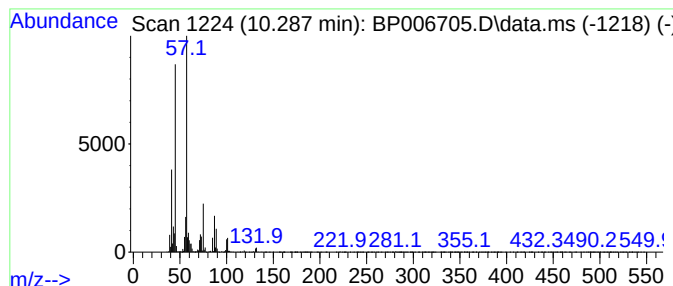
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP080321.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 1

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 10.287 | 3.35 ng | 283806 | Naphthalene-d8   | 10.487 |

| 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 | 64   |
| 4    |    |   | Ethylene glycol monoisobutyl ether  | 118 | C6H14O2 | 004439-24-1 | 64   |
| 5    |    |   | 3,3-Dimethylbutane-2-ol             | 102 | C6H14O  | 000464-07-3 | 52   |



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Sample : M3425-11  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
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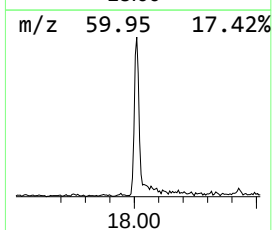
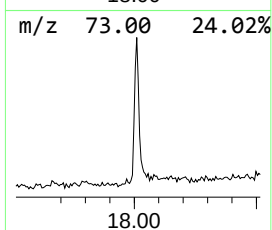
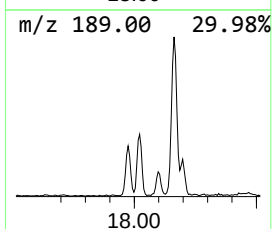
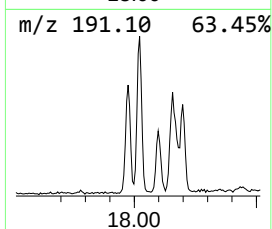
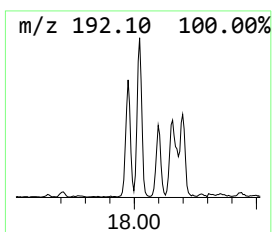
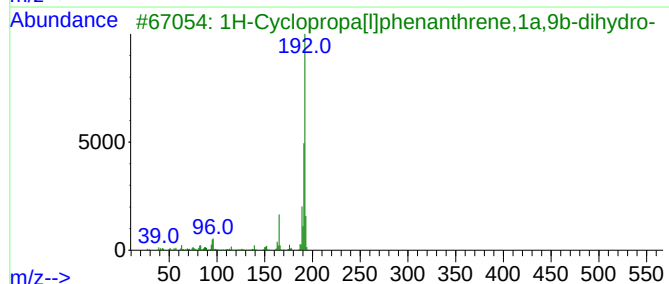
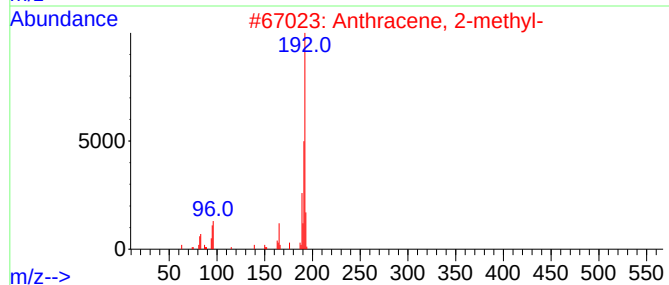
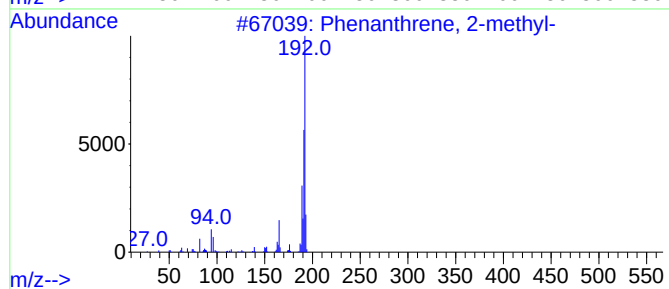
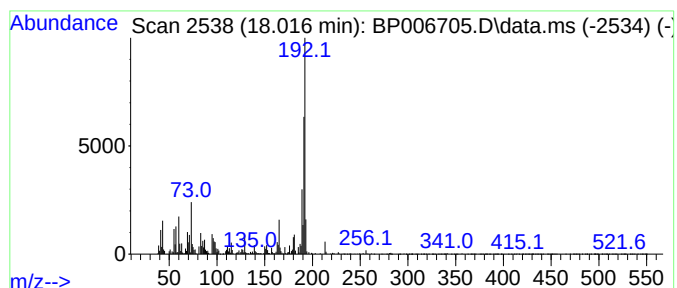
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP080321.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.016 | 2.74 ng | 327392 | Phenanthrene-d10 | 17.098 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 97   |
| 2    |    |   | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 96   |
| 3    |    |   | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 96   |
| 4    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 95   |
| 5    |    |   | Anthracene, 9-methyl-               | 192 | C15H12  | 000779-02-2 | 94   |



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Sample : M3425-11  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
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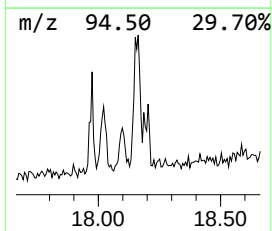
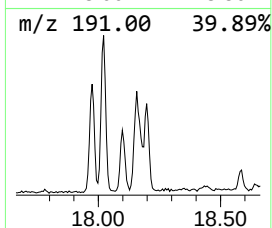
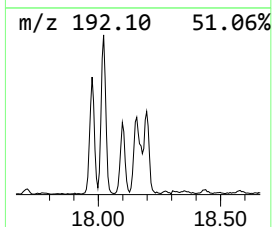
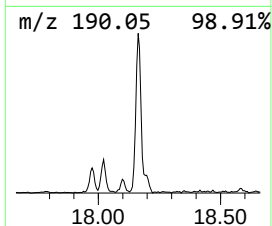
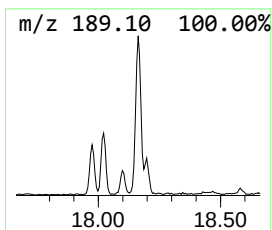
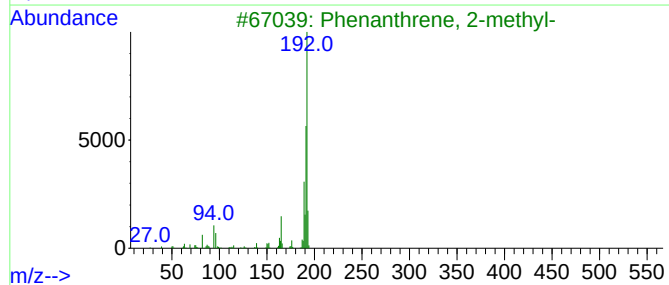
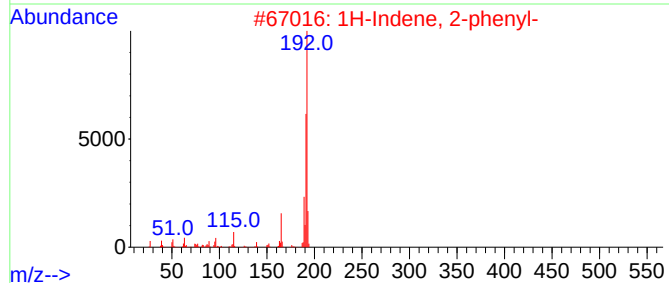
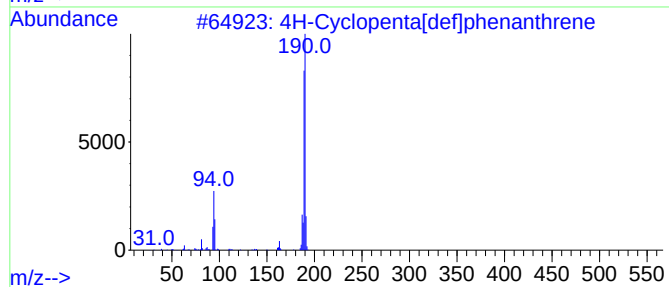
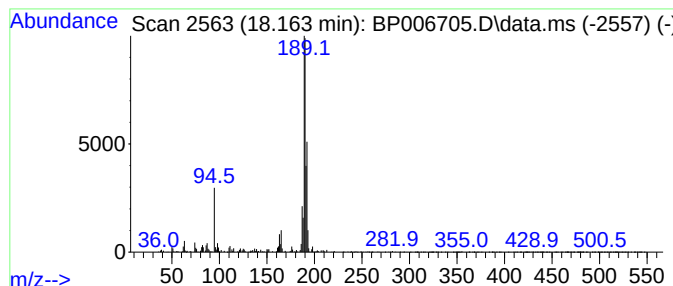
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP080321.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
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Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.163 | 2.35 ng | 281545 | Phenanthrene-d10 | 17.098 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10  | 000203-64-5 | 70   |
| 2    |    |   | 1H-Indene, 2-phenyl-                | 192 | C15H12  | 004505-48-0 | 38   |
| 3    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 30   |
| 4    |    |   | Anthracene, 1-methyl-               | 192 | C15H12  | 000610-48-0 | 30   |
| 5    |    |   | Benzene, 1,1'-(2-cyclopropen-1-y... | 192 | C15H12  | 022825-21-4 | 22   |



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Instrument :  
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ClientSampled :  
22N

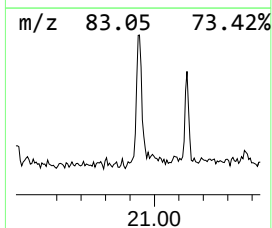
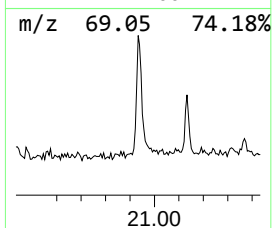
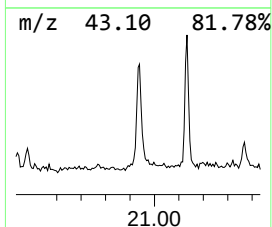
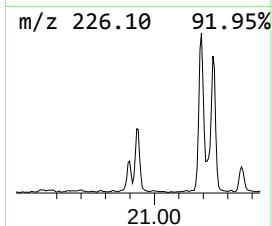
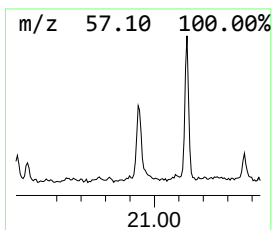
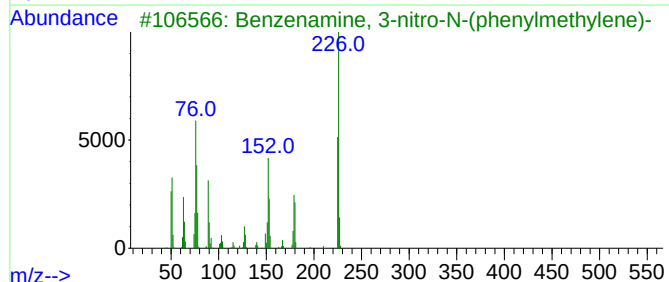
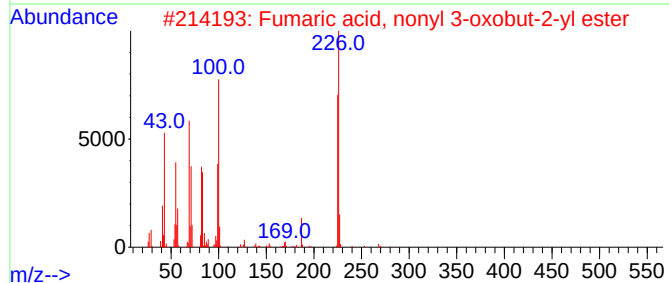
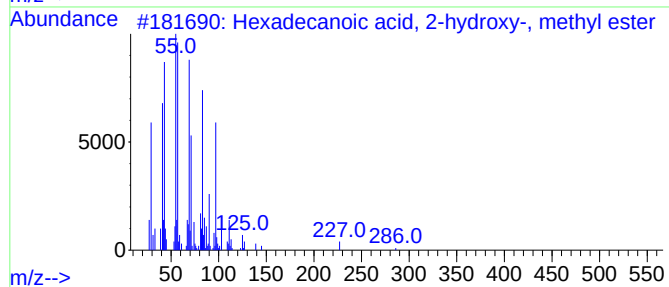
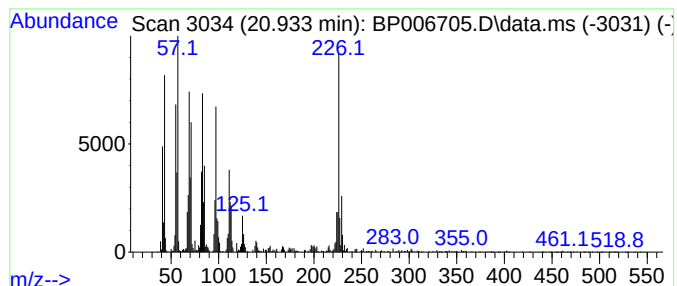
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 unknown20.933 Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 20.933 | 2.43 ng | 425056 | Chrysene-d12     | 21.204 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Hexadecanoic acid, 2-hydroxy-, m... | 286 | C17H34O3   | 016742-51-1  | 43   |
| 2    |    |   | Fumaric acid, nonyl 3-oxobut-2-y... | 312 | C17H28O5   | 1000348-82-3 | 12   |
| 3    |    |   | Benzenamine, 3-nitro-N-(phenylme... | 226 | C13H10N2O2 | 005341-44-6  | 11   |
| 4    |    |   | Benzo[ghi]fluoranthene              | 226 | C18H10     | 000203-12-3  | 10   |
| 5    |    |   | Isonipecotic acid, n-butoxycarbo... | 327 | C18H33NO4  | 1000322-05-2 | 10   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081721\  
Data File : BP006705.D  
Acq On : 17 Aug 2021 03:44  
Operator : CG/JU  
Sample : M3425-11  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
22N

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP080321.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 |
| 2-Pentanone, 4-... | 4.858  | 2.3     | ng    | 132137   | 1                     | 7.704  | 1157660 | 20.0 |
| Ethanol, 2-(2-b... | 10.287 | 3.4     | ng    | 283806   | 2                     | 10.487 | 1693760 | 20.0 |
| Phenanthrene, 2... | 18.016 | 2.7     | ng    | 327392   | 4                     | 17.098 | 2393540 | 20.0 |
| 4H-Cyclopenta[d... | 18.163 | 2.4     | ng    | 281545   | 4                     | 17.098 | 2393540 | 20.0 |
| unknown20.933      | 20.933 | 2.4     | ng    | 425056   | 5                     | 21.204 | 3496170 | 20.0 |