

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP012622\  
 Data File : BP008932.D  
 Acq On : 26 Jan 2022 16:40  
 Operator : CG/JU  
 Sample : N1247-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SS-1

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-BP011422.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP008932.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         | 3.040       | 4             | 9           | 22           | rVB      | 375450         | 552035        | 4.31%           | 0.720%        |
| 2         | 4.952       | 329           | 334         | 343          | rVB      | 120854         | 181773        | 1.42%           | 0.237%        |
| 3         | 5.422       | 407           | 414         | 433          | rBV      | 3070185        | 4820995       | 37.61%          | 6.286%        |
| 4         | 7.011       | 676           | 684         | 709          | rBV      | 2882296        | 5021152       | 39.17%          | 6.547%        |
| 5         | 7.834       | 816           | 824         | 832          | rBV      | 766907         | 1265480       | 9.87%           | 1.650%        |
| 6         | 8.993       | 1011          | 1021        | 1038         | rBV      | 1798638        | 3222545       | 25.14%          | 4.202%        |
| 7         | 10.634      | 1292          | 1300        | 1306         | rBV      | 978826         | 1736711       | 13.55%          | 2.264%        |
| 8         | 13.099      | 1711          | 1719        | 1732         | rBV      | 5478739        | 8392013       | 65.47%          | 10.942%       |
| 9         | 14.193      | 1900          | 1905        | 1913         | rVB      | 117986         | 185982        | 1.45%           | 0.242%        |
| 10        | 14.475      | 1944          | 1953        | 1960         | rBV      | 1635177        | 2461346       | 19.20%          | 3.209%        |
| 11        | 15.969      | 2200          | 2207        | 2226         | rBV      | 4264527        | 6457560       | 50.38%          | 8.420%        |
| 12        | 17.228      | 2414          | 2421        | 2426         | rBV      | 1985443        | 2967481       | 23.15%          | 3.869%        |
| 13        | 17.269      | 2426          | 2428        | 2435         | rVB      | 342817         | 443238        | 3.46%           | 0.578%        |
| 14        | 17.363      | 2440          | 2444        | 2450         | rVB      | 158400         | 243658        | 1.90%           | 0.318%        |
| 15        | 18.128      | 2570          | 2574        | 2581         | rVB2     | 455755         | 693411        | 5.41%           | 0.904%        |
| 16        | 18.286      | 2596          | 2601        | 2605         | rBV3     | 119151         | 213713        | 1.67%           | 0.279%        |
| 17        | 19.122      | 2739          | 2743        | 2749         | rBV      | 102178         | 175042        | 1.37%           | 0.228%        |
| 18        | 19.239      | 2757          | 2763        | 2771         | rBV      | 1577896        | 2234596       | 17.43%          | 2.914%        |
| 19        | 19.363      | 2780          | 2784        | 2787         | rBV      | 222009         | 329072        | 2.57%           | 0.429%        |
| 20        | 19.592      | 2814          | 2823        | 2832         | rVB      | 1377923        | 2228224       | 17.38%          | 2.905%        |
| 21        | 19.792      | 2851          | 2857        | 2862         | rBV      | 10946924       | 12817691      | 100.00%         | 16.712%       |
| 22        | 19.916      | 2873          | 2878        | 2884         | rBV3     | 105801         | 247573        | 1.93%           | 0.323%        |
| 23        | 20.075      | 2902          | 2905        | 2913         | rVB2     | 244489         | 376732        | 2.94%           | 0.491%        |
| 24        | 20.233      | 2929          | 2932        | 2936         | rVB2     | 153676         | 187380        | 1.46%           | 0.244%        |
| 25        | 20.369      | 2952          | 2955        | 2959         | rBV      | 107702         | 144780        | 1.13%           | 0.189%        |
| 26        | 20.469      | 2969          | 2972        | 2978         | rVB      | 128890         | 134136        | 1.05%           | 0.175%        |
| 27        | 21.045      | 3066          | 3070        | 3075         | rVV2     | 920978         | 1332429       | 10.40%          | 1.737%        |
| 28        | 21.098      | 3075          | 3079        | 3087         | rVB      | 1418241        | 1794546       | 14.00%          | 2.340%        |
| 29        | 21.322      | 3110          | 3117        | 3121         | rBV2     | 3070141        | 5410475       | 42.21%          | 7.054%        |
| 30        | 21.357      | 3121          | 3123        | 3131         | rVB      | 1003194        | 1211907       | 9.45%           | 1.580%        |
| 31        | 21.439      | 3133          | 3137        | 3140         | rBV      | 272873         | 376277        | 2.94%           | 0.491%        |
| 32        | 22.998      | 3396          | 3402        | 3407         | rBV2     | 1443457        | 3080371       | 24.03%          | 4.016%        |
| 33        | 23.516      | 3487          | 3490        | 3496         | rVB      | 432524         | 705467        | 5.50%           | 0.920%        |
| 34        | 23.621      | 3504          | 3508        | 3516         | rVB      | 996850         | 1883889       | 14.70%          | 2.456%        |
| 35        | 23.733      | 3521          | 3527        | 3533         | rVV2     | 1603957        | 3166241       | 24.70%          | 4.128%        |

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Data File : BP008932.D  
Acq On : 26 Jan 2022 16:40  
Operator : CG/JU  
Sample : N1247-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SS-1

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-BP011422.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

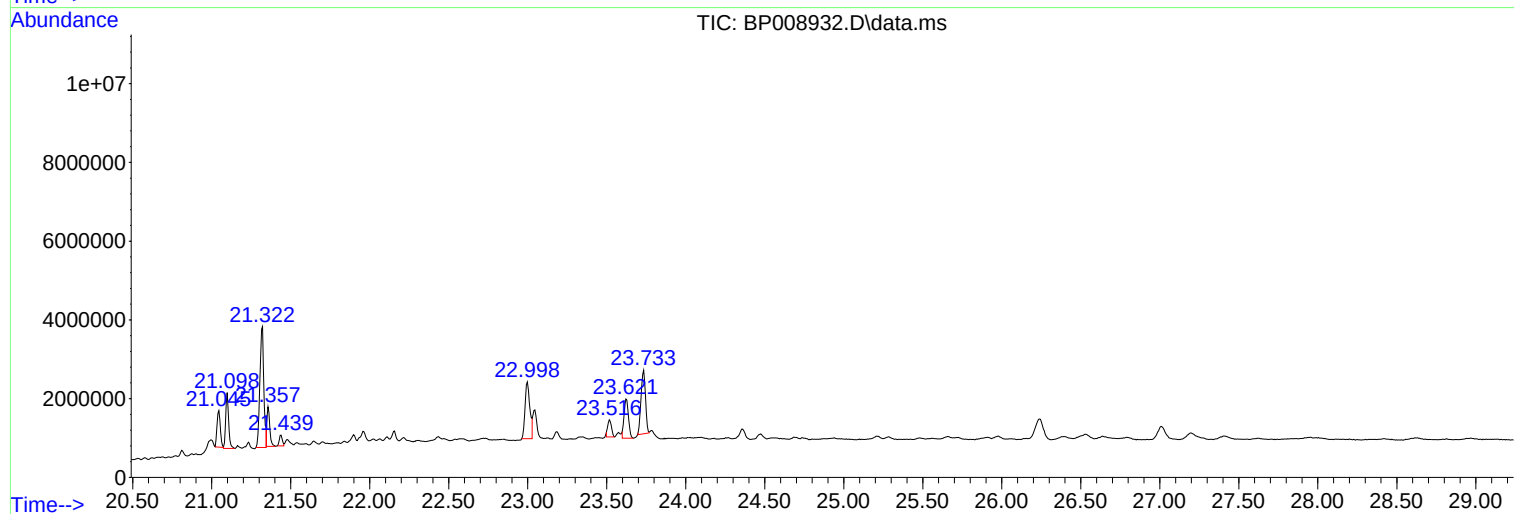
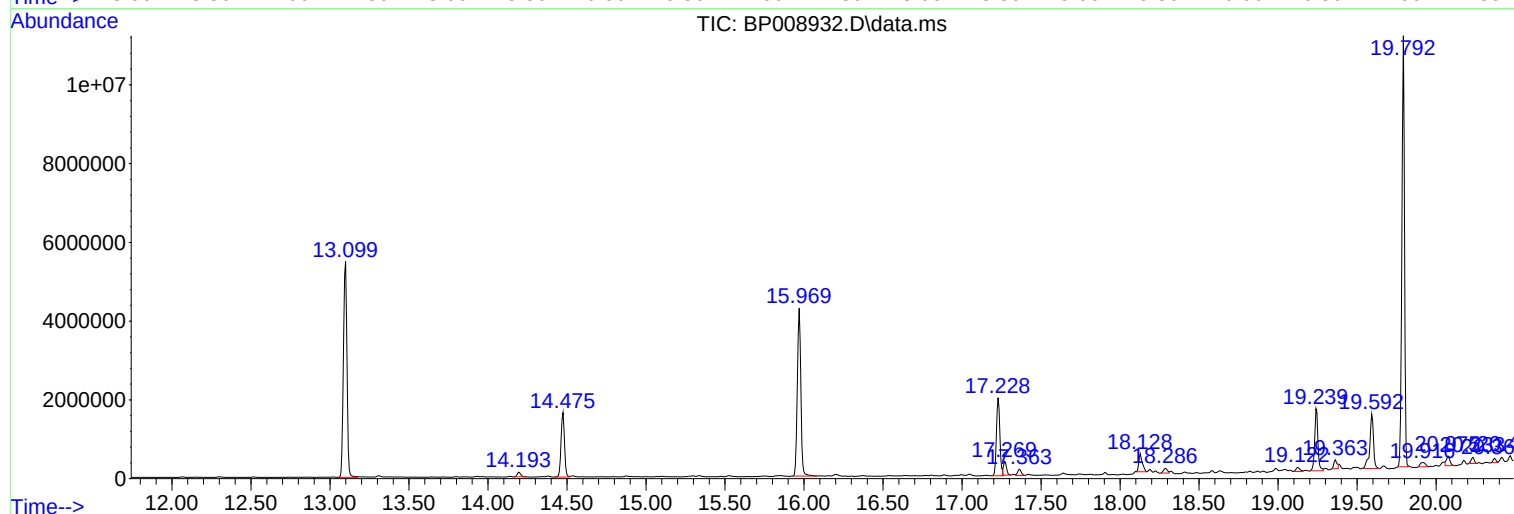
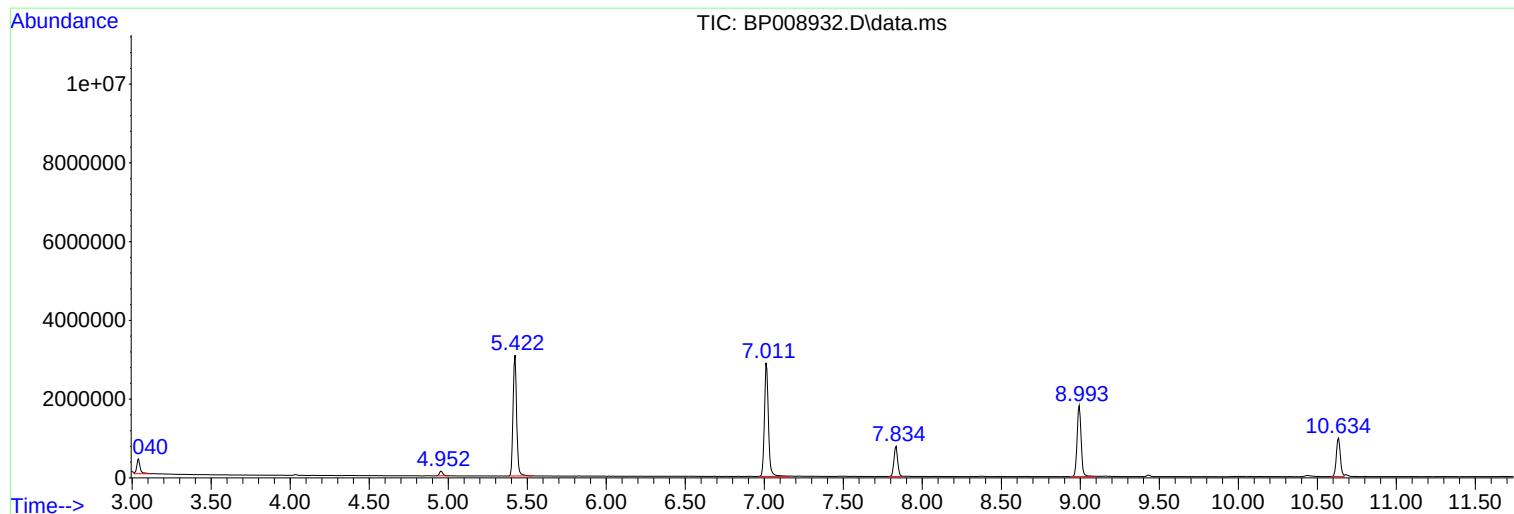
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Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP012622\  
Data File : BP008932.D  
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Sample : N1247-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

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BNA\_P  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP011422.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\_P\Data\BP012622\  
Data File : BP008932.D  
Acq On : 26 Jan 2022 16:40  
Operator : CG/JU  
Sample : N1247-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SS-1

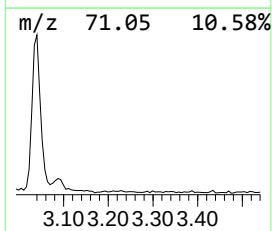
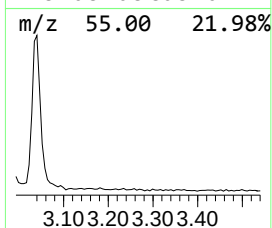
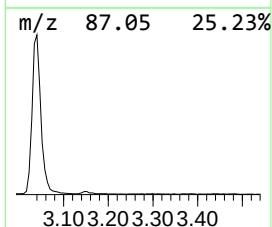
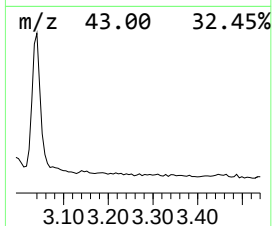
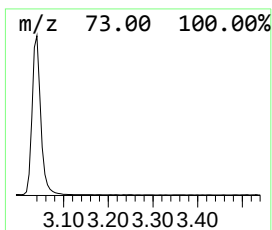
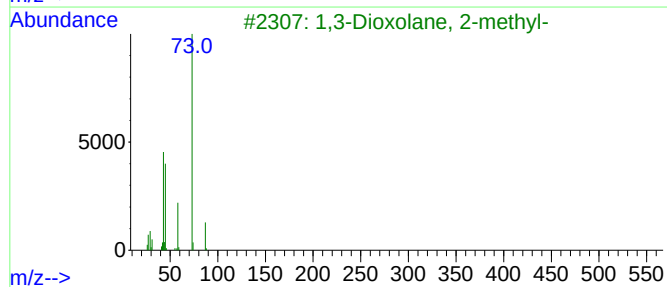
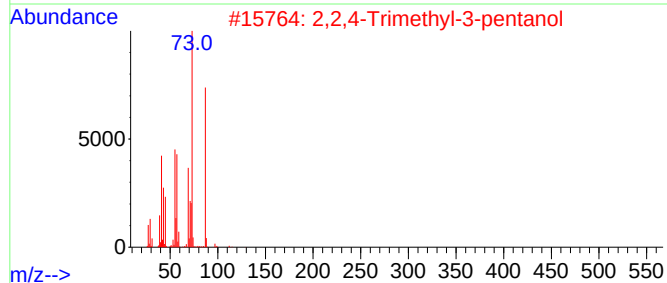
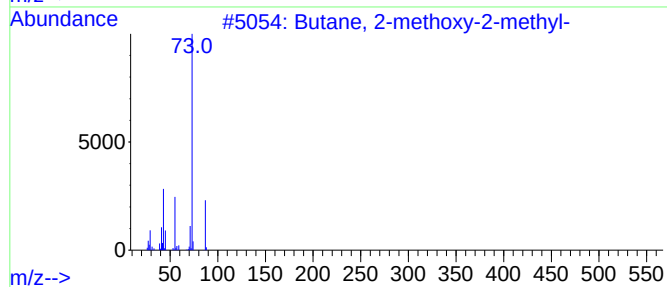
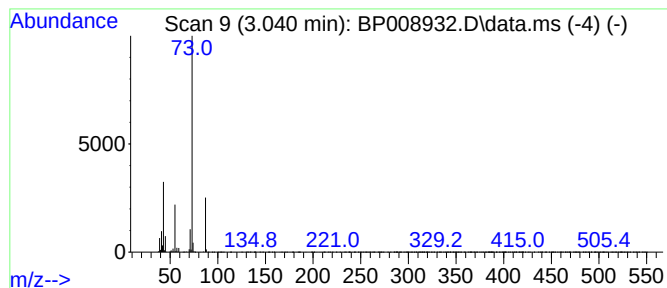
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.  |
|-------|---------|--------|------------------------|-------|
| 3.040 | 8.72 ng | 552035 | 1,4-Dichlorobenzene-d4 | 7.834 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 90   |
| 2    |    |   | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 43   |
| 3    |    |   | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 23   |
| 4    |    |   | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 23   |
| 5    |    |   | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |



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Sample : N1247-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SS-1

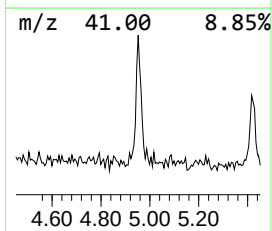
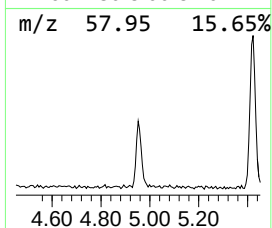
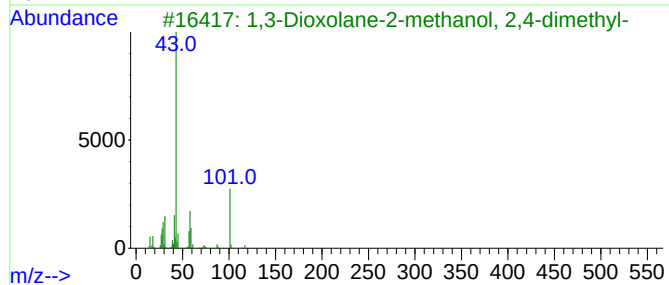
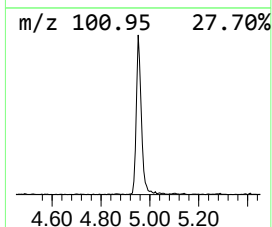
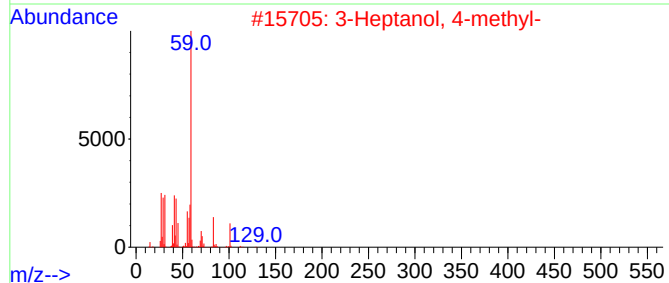
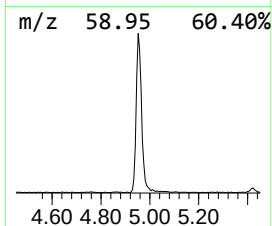
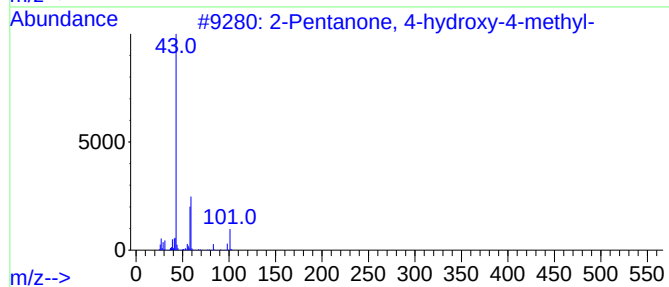
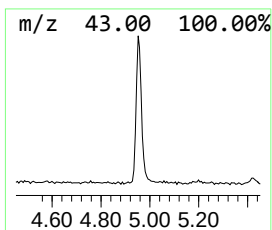
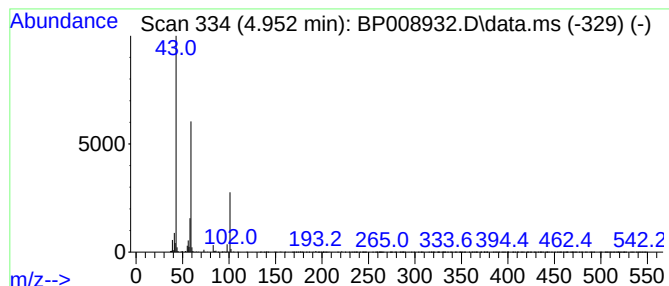
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP011422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 4.952 | 2.87 ng | 181773 | 1,4-Dichlorobenzene-d4 | 7.834 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 50   |
| 2    |    |   | 3-Heptanol, 4-methyl-               | 130 | C8H18O   | 014979-39-6 | 25   |
| 3    |    |   | 1,3-Dioxolane-2-methanol, 2,4-di... | 132 | C6H12O3  | 053951-43-2 | 25   |
| 4    |    |   | Tetraglyme                          | 222 | C10H22O5 | 000143-24-8 | 25   |
| 5    |    |   | 2,5,8,11-Tetraoxadodecane           | 178 | C8H18O4  | 000112-49-2 | 23   |



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Sample : N1247-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SS-1

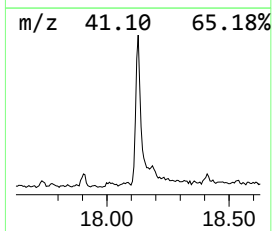
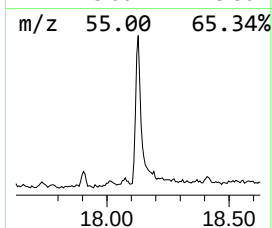
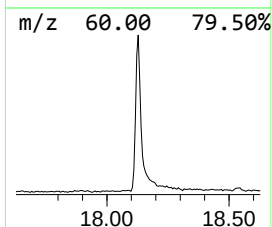
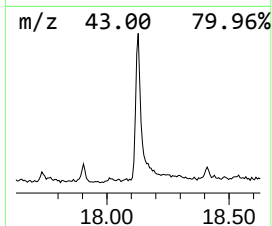
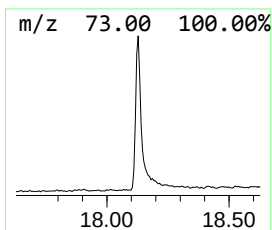
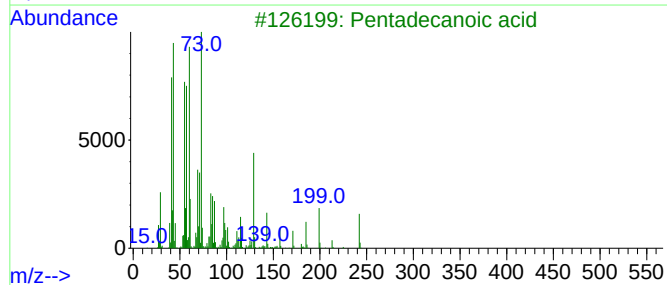
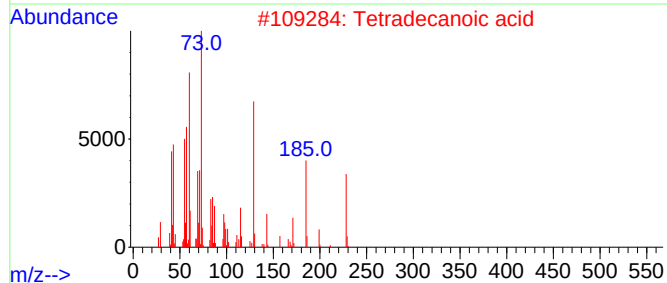
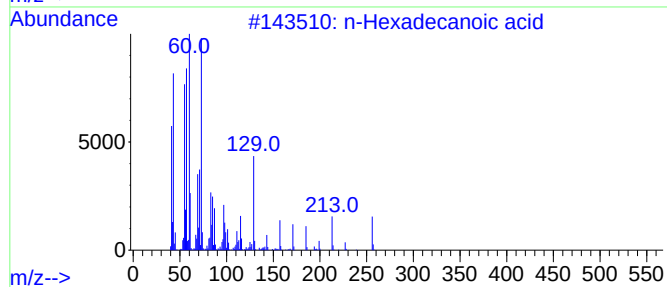
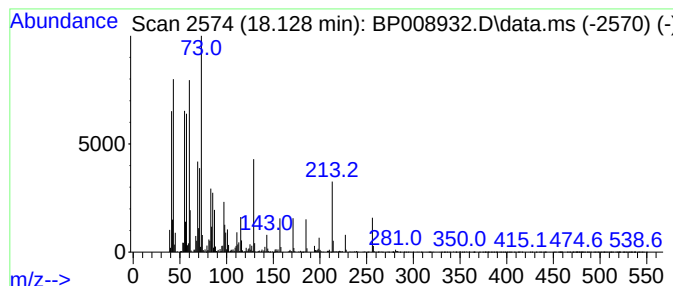
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP011422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.128 | 4.67 ng | 693411 | Phenanthrene-d10 | 17.228 |

| 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 | 94   |
| 3    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 93   |
| 4    |    |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 90   |
| 5    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 90   |



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Sample : N1247-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SS-1

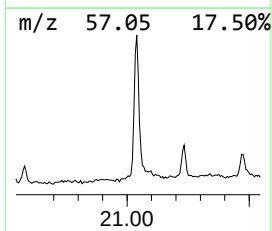
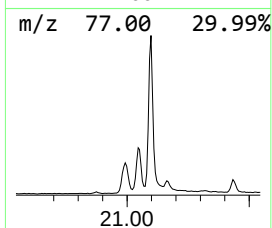
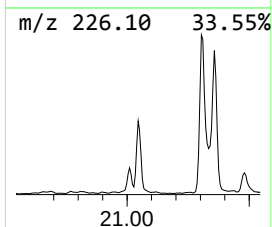
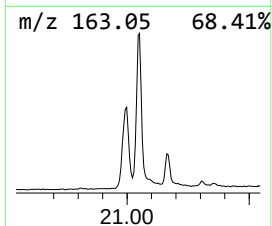
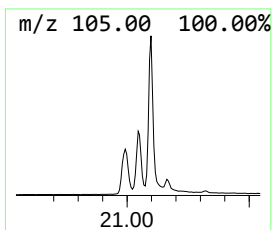
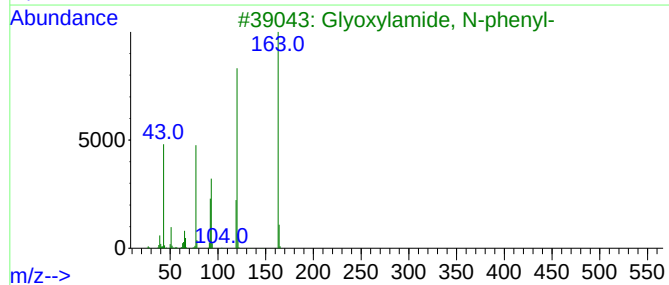
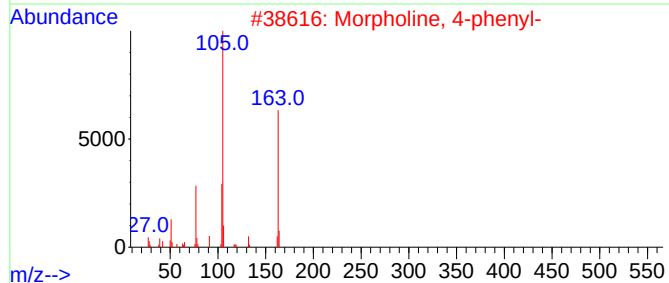
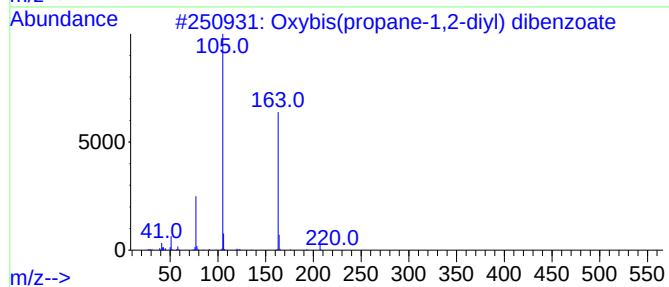
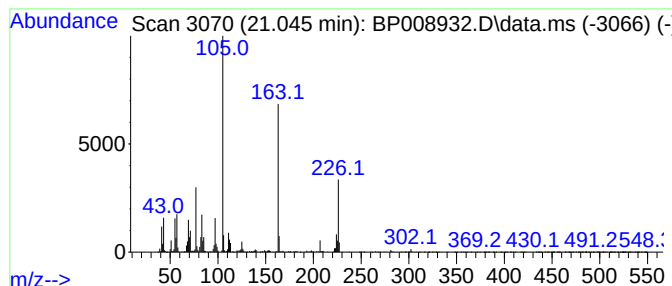
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP011422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 unknown21.045 Concentration Rank 3

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 21.045 | 4.93 ng | 1332430 | Chrysene-d12     | 21.322 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Oxybis(propene-1,2-diyl) dibenzoate | 342 | C20H22O5  | 000094-03-1  | 49   |
| 2    |    |   | Morpholine, 4-phenyl-               | 163 | C10H13NO  | 000092-53-5  | 47   |
| 3    |    |   | Glyoxylamide, N-phenyl-             | 163 | C9H9NO2   | 032331-52-5  | 35   |
| 4    |    |   | Phthalic acid, 3,4-dimethylpheny... | 284 | C17H16O4  | 1000315-69-7 | 22   |
| 5    |    |   | N-(3-Methoxy-phenyl)-benzamide      | 227 | C14H13NO2 | 1000317-48-7 | 22   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP012622\  
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Sample : N1247-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP011422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

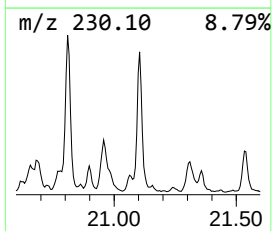
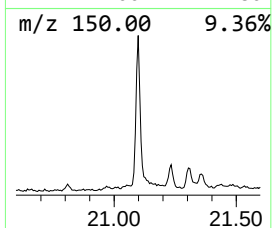
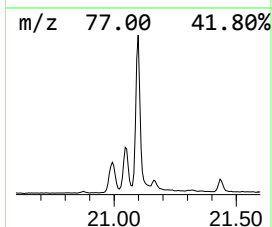
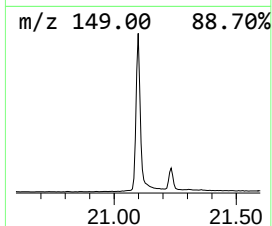
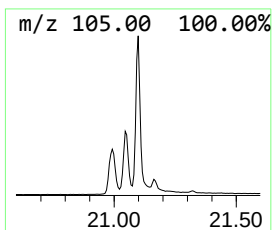
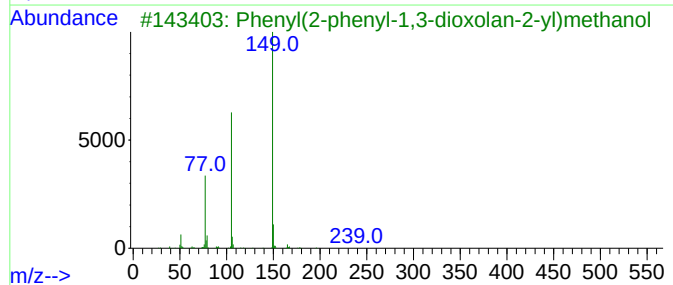
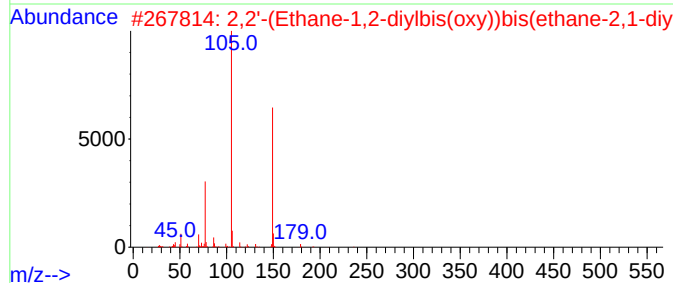
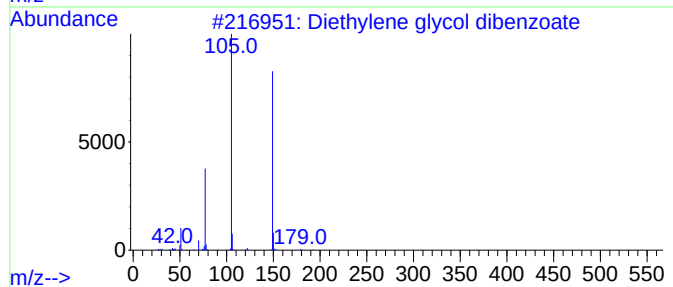
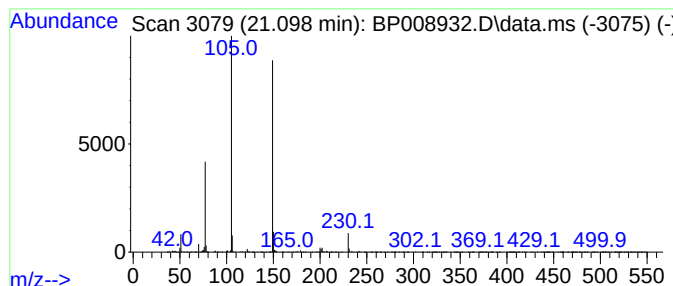
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Diethylene glycol dibenzoate Concentration Rank 2

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 21.098 | 6.63 ng | 1794550 | Chrysene-d12     | 21.322 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Diethylene glycol dibenzoate        | 314 | C18H18O5   | 000120-55-8  | 86   |
| 2    |    |   | 2,2'-(Ethane-1,2-diylbis(oxy))bi... | 358 | C20H22O6   | 1000366-99-4 | 78   |
| 3    |    |   | Phenyl(2-phenyl-1,3-dioxolan-2-y... | 256 | C16H16O3   | 005694-69-9  | 78   |
| 4    |    |   | Phenyl(2-phenyl-1,3-dioxolan-2-y... | 298 | C18H18O4   | 006963-16-2  | 78   |
| 5    |    |   | Benzoic acid, 2-(2-chlorophenoxy... | 276 | C15H13ClO3 | 1000368-25-9 | 72   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP012622\  
Data File : BP008932.D  
Acq On : 26 Jan 2022 16:40  
Operator : CG/JU  
Sample : N1247-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SS-1

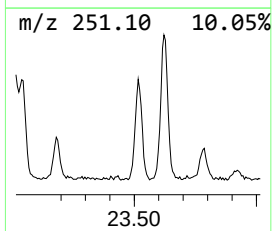
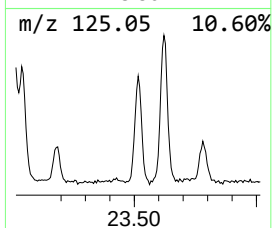
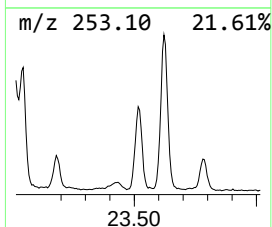
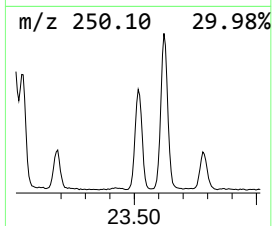
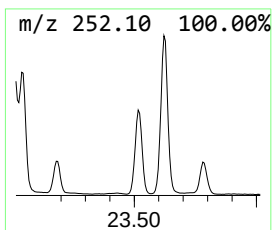
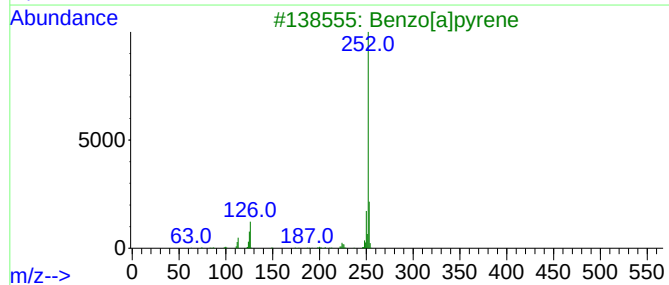
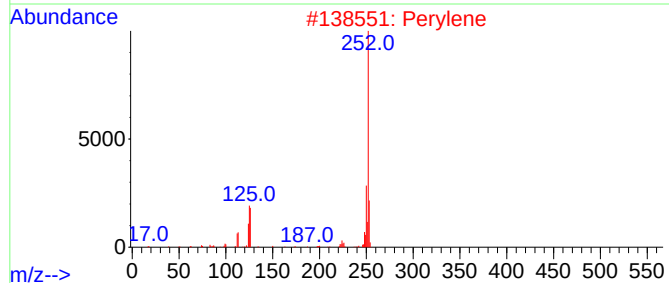
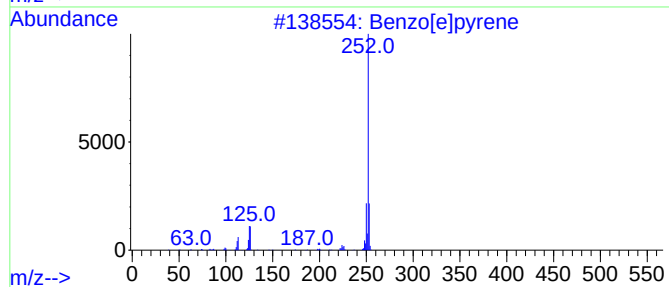
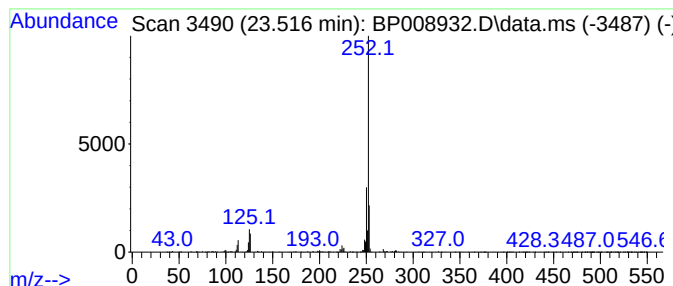
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP011422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 Benzo[e]pyrene Concentration Rank 5

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 23.516 | 4.46 ng | 705467 | Perylene-d12     | 23.733 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 98   |
| 2    |    |   | Perylene             | 252 | C20H12  | 000198-55-0 | 95   |
| 3    |    |   | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 95   |
| 4    |    |   | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 95   |
| 5    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP012622\  
Data File : BP008932.D  
Acq On : 26 Jan 2022 16:40  
Operator : CG/JU  
Sample : N1247-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP011422.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 |
| Butane, 2-metho... | 3.040  | 8.7     | ng    | 552035   | 1                     | 7.834  | 1265480 | 20.0 |
| 2-Pentanone, 4-... | 4.952  | 2.9     | ng    | 181773   | 1                     | 7.834  | 1265480 | 20.0 |
| n-Hexadecanoic ... | 18.128 | 4.7     | ng    | 693411   | 4                     | 17.228 | 2967480 | 20.0 |
| unknown21.045      | 21.045 | 4.9     | ng    | 1332430  | 5                     | 21.322 | 5410480 | 20.0 |
| Diethylene glyc... | 21.098 | 6.6     | ng    | 1794550  | 5                     | 21.322 | 5410480 | 20.0 |
| Benzo[e]pyrene     | 23.516 | 4.5     | ng    | 705467   | 6                     | 23.733 | 3166240 | 20.0 |