LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008772.D
Acq On : 12 Jan 2022 14:07
Operator : CG/JU
Sample : N1097-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
TP-2S

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-BP010622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP008772.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.064 | 9 | 13 | 31 | rVB | 3359194 | 4688053 | 9.82% | 1.726% |
| 2 | 5.452 | 412 | 419 | 431 | rBV | 5927001 | 8834676 | 18.51% | 3.253% |
| 3 | 7.046 | 680 | 690 | 705 | rBV | 5451195 | 9064616 | 18.99% | 3.338% |
| 4 | 7.863 | 822 | 829 | 837 | rBV | 1434206 | 2325383 | 4.87% | 0.856% |
| 5 | 9.022 | 1011 | 1026 | 1039 | rBV | 3451378 | 5958715 | 12.49% | 2.194% |
| 6 | 10.451 | 1261 | 1269 | 1286 | rBV | 1595177 | 2605934 | 5.46% | 0.960% |
| 7 | 10.669 | 1295 | 1306 | 1313 | rBV | 1914798 | 3356549 | 7.03% | 1.236% |
| 8 | 13.128 | 1717 | 1724 | 1737 | rBV | 9629596 | 14826006 | 31.07% | 5.460% |
| 9 | 14.504 | 1951 | 1958 | 1964 | rBV | 3197204 | 4744600 | 9.94% | 1.747% |
| 10 | 15.651 | 2126 | 2153 | 2156 | rBV2 | 1672955 | 7600215 | 15.93% | 2.799% |
| 11 | 15.998 | 2206 | 2212 | 2217 | rVB | 7763812 | 11211861 | 23.49% | 4.129% |
| 12 | 16.204 | 2218 | 2247 | 2272 | rVB | 6136578 | 47724028 | 100.00% | 17.574% |
| 13 | 16.492 | 2275 | 2296 | 2297 | rBV | 8083456 | 26626844 | 55.79% | 9.805% |
| 14 | 16.516 | 2298 | 2300 | 2302 | rBV | 1903123 | 2162798 | 4.53% | 0.796% |
| 15 | 16.851 | 2343 | 2357 | 2387 | rVB | 1782339 | 9070984 | 19.01% | 3.340% |
| 16 | 17.257 | 2420 | 2426 | 2431 | rBV | 3783503 | 5579071 | 11.69% | 2.054% |
| 17 | 17.298 | 2431 | 2433 | 2440 | rVB | 480464 | 576617 | 1.21% | 0.212% |
| 18 | 18.151 | 2570 | 2578 | 2581 | rBV | 1591684 | 2748940 | 5.76% | 1.012% |
| 19 | 18.186 | 2581 | 2584 | 2600 | rVB | 1613914 | 4369884 | 9.16% | 1.609% |
| 20 | 18.416 | 2618 | 2623 | 2626 | rBV | 326062 | 530004 | 1.11% | 0.195% |
| 21 | 18.457 | 2626 | 2630 | 2643 | rVB | 749706 | 1257567 | 2.64% | 0.463% |
| 22 | 19.063 | 2730 | 2733 | 2737 | rVB | 801449 | 911049 | 1.91% | 0.335% |
| 23 | 19.269 | 2761 | 2768 | 2775 | rVV | 951598 | 1439991 | 3.02% | 0.530% |
| 24 | 19.386 | 2783 | 2788 | 2790 | rBV | 451843 | 610463 | 1.28% | 0.225% |
| 25 | 19.445 | 2790 | 2798 | 2807 | rVB | 2758891 | 6210229 | 13.01% | 2.287% |
| 26 | 19.616 | 2819 | 2827 | 2835 | rBV | 765776 | 1308314 | 2.74% | 0.482% |
| 27 | 19.822 | 2856 | 2862 | 2867 | rBV | 16818079 | 21989389 | 46.08% | 8.098% |
| 28 | 20.374 | 2949 | 2956 | 2963 | rVB | 3318350 | 5866151 | 12.29% | 2.160% |
| 29 | 20.563 | 2984 | 2988 | 2999 | rVB3 | 287387 | 594006 | 1.24% | 0.219% |
| 30 | 21.057 | 3068 | 3072 | 3079 | rVB2 | 1399450 | 1764046 | 3.70% | 0.650% |
| 31 | 21.133 | 3079 | 3085 | 3099 | rBV2 | 4525638 | 7225526 | 15.14% | 2.661% |
| 32 | 21.345 | 3115 | 3121 | 3126 | rBV | 4601710 | 6653546 | 13.94% | 2.450% |
| 33 | 21.463 | 3136 | 3141 | 3147 | rBV | 4521830 | 6362070 | 13.33% | 2.343% |
| 34 | 21.845 | 3201 | 3206 | 3215 | rVB | 2229347 | 5042979 | 10.57% | 1.857% |
| 35 | 22.616 | 3333 | 3337 | 3339 | rBV | 603243 | 867933 | 1.82% | 0.320% |
| 36 | 22.663 | 3340 | 3345 | 3352 | rVV | 2191486 | 4595740 | 9.63% | 1.692% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008772.D
Acq On : 12 Jan 2022 14:07
Operator : CG/JU
Sample : N1097-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
TP-2S

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-BP010622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 22.751 | 3354 | 3360 | 3372 | rVB | 1566366 | 3572012 | 7.48% | 1.315% |
| 38 | 23.592 | 3498 | 3503 | 3511 | rVB | 1515214 | 3508016 | 7.35% | 1.292% |
| 39 | 23.768 | 3527 | 3533 | 3542 | rVB2 | 2274850 | 4538331 | 9.51% | 1.671% |
| 40 | 24.657 | 3678 | 3684 | 3696 | rVB | 1123800 | 3232288 | 6.77% | 1.190% |
| 41 | 24.798 | 3703 | 3708 | 3728 | rVB2 | 851384 | 2681932 | 5.62% | 0.988% |
| 42 | 25.533 | 3825 | 3833 | 3848 | rVB2 | 2000707 | 6717409 | 14.08% | 2.474% |

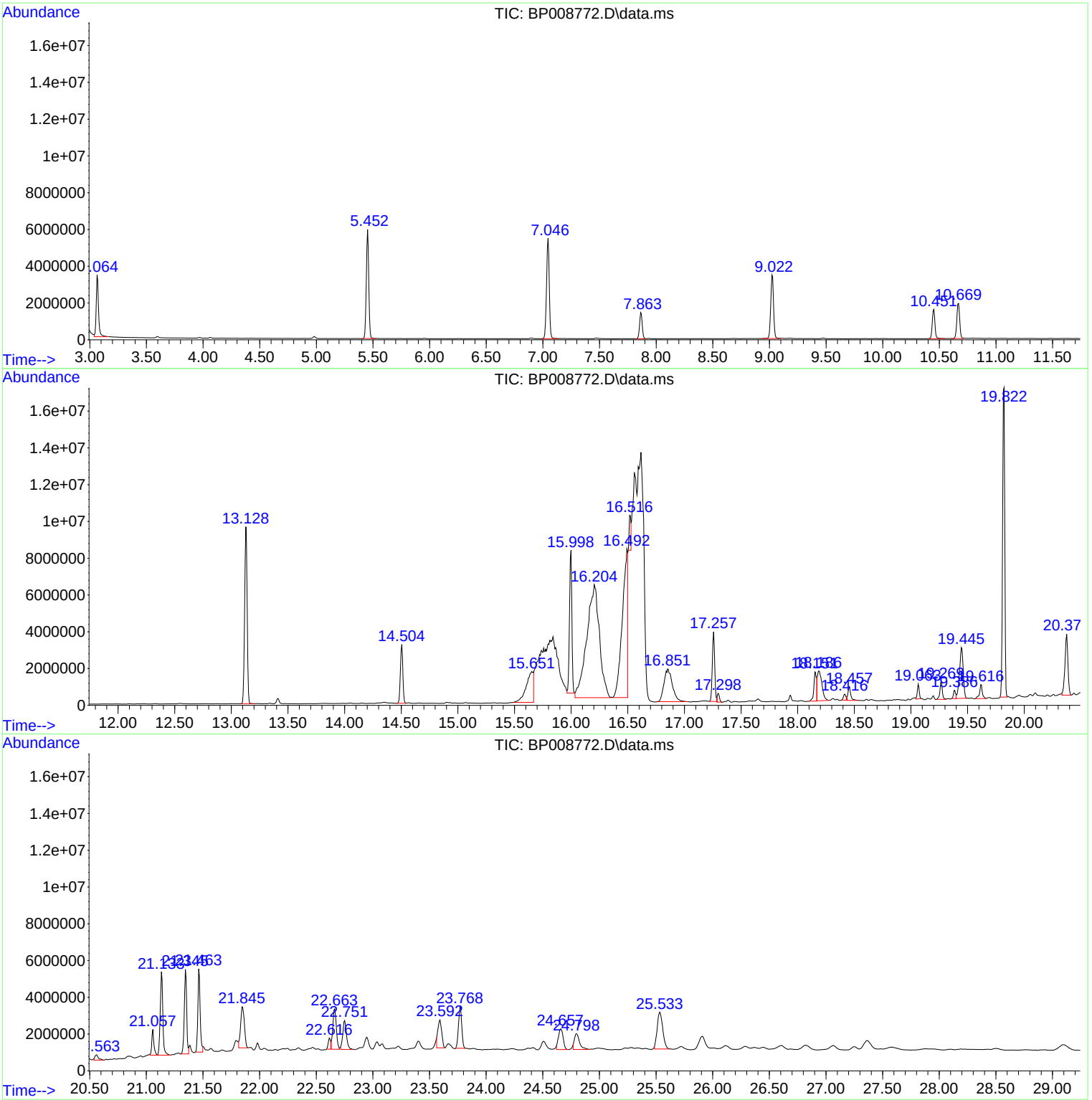
Sum of corrected areas: 271554765

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008772.D
Acq On : 12 Jan 2022 14:07
Operator : CG/JU
Sample : N1097-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
TP-2S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.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\BP011222\
Data File : BP008772.D
Acq On : 12 Jan 2022 14:07
Operator : CG/JU
Sample : N1097-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
TP-2S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

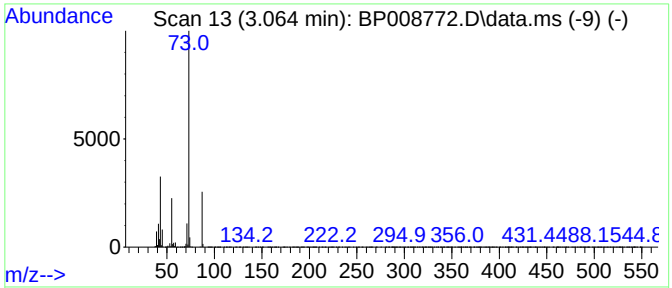
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

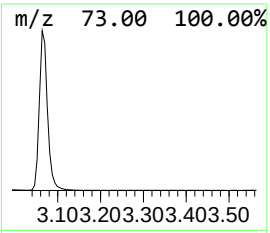
**********

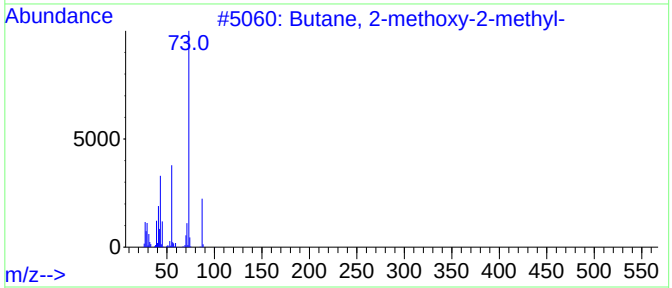
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

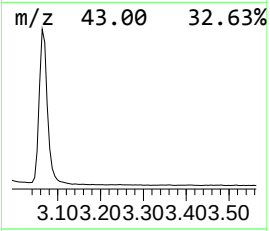
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.064 | 40.32 ng | 4688050 | 1,4-Dichlorobenzene-d4 | 7.863 |

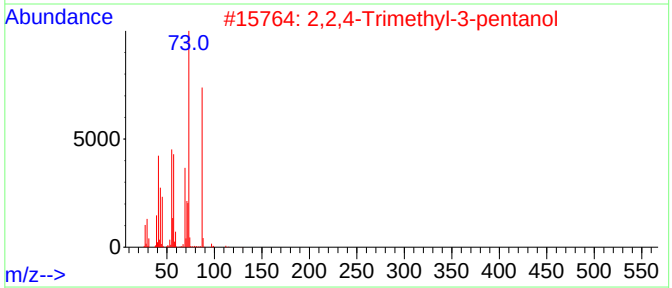
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 39 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 23 |
| 4 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 9 |
| 5 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 9 |

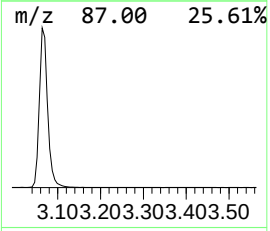


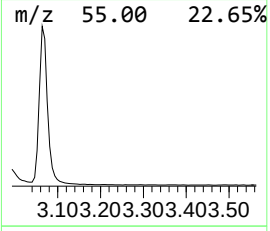



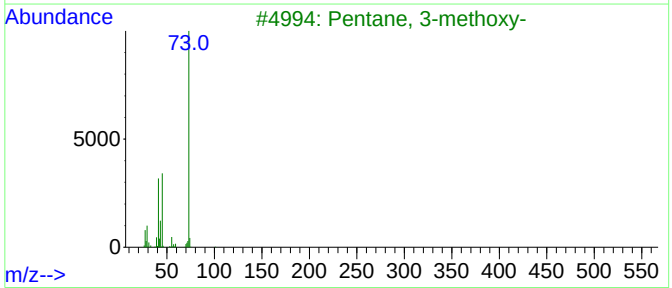



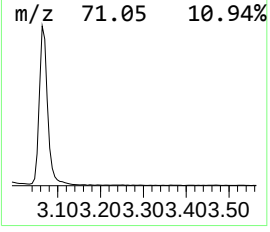



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008772.D
Acq On : 12 Jan 2022 14:07
Operator : CG/JU
Sample : N1097-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
TP-2S

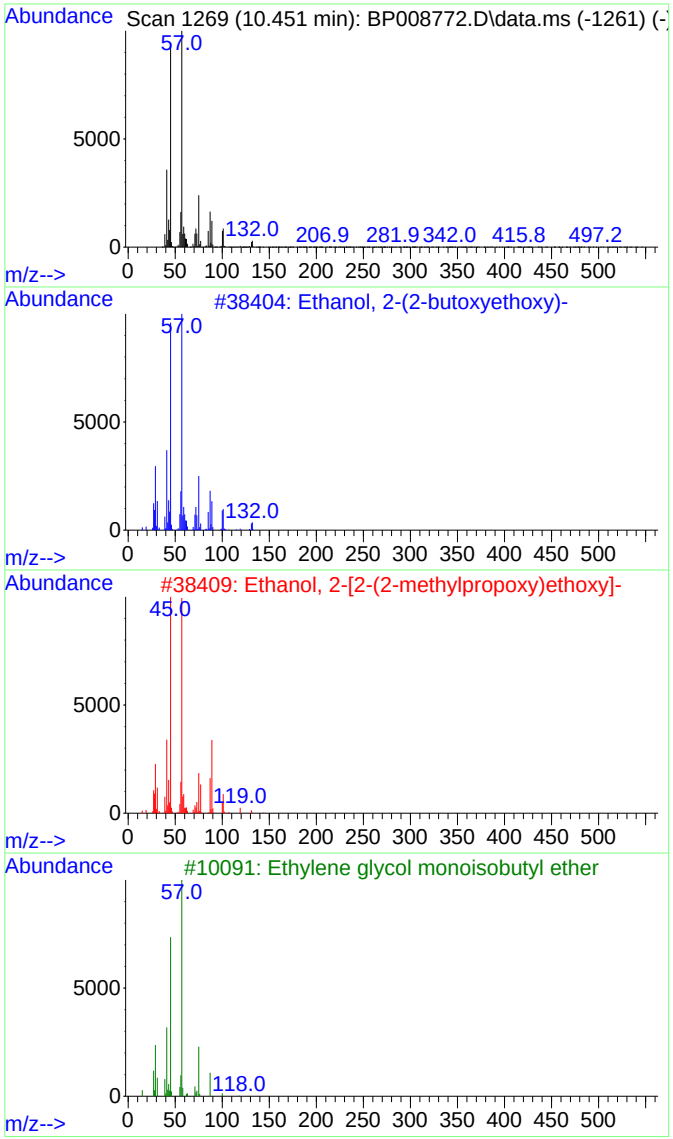
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

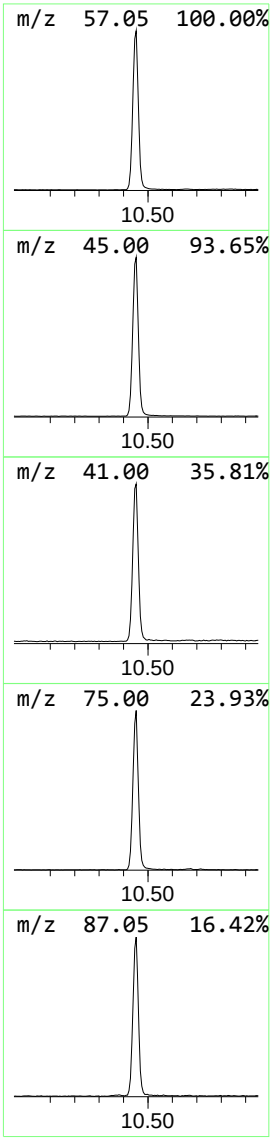
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.451 | 15.53 ng | 2605930 | Naphthalene-d8 | 10.669 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-(2-butoxyethoxy)- | 162 | C8H18O3 | 000112-34-5 | 91 |
| 2 | Ethanol, 2-[2-(2-methylpropoxy)e... | 162 | C8H18O3 | 018912-80-6 | 72 |
| 3 | Ethylene glycol monoisobutyl ether | 118 | C6H14O2 | 004439-24-1 | 64 |
| 4 | Di-sec-Butyl ether | 130 | C8H18O | 006863-58-7 | 50 |
| 5 | Ethanol, 1-(2-butoxyethoxy)- | 162 | C8H18O3 | 054446-78-5 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008772.D
Acq On : 12 Jan 2022 14:07
Operator : CG/JU
Sample : N1097-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
TP-2S

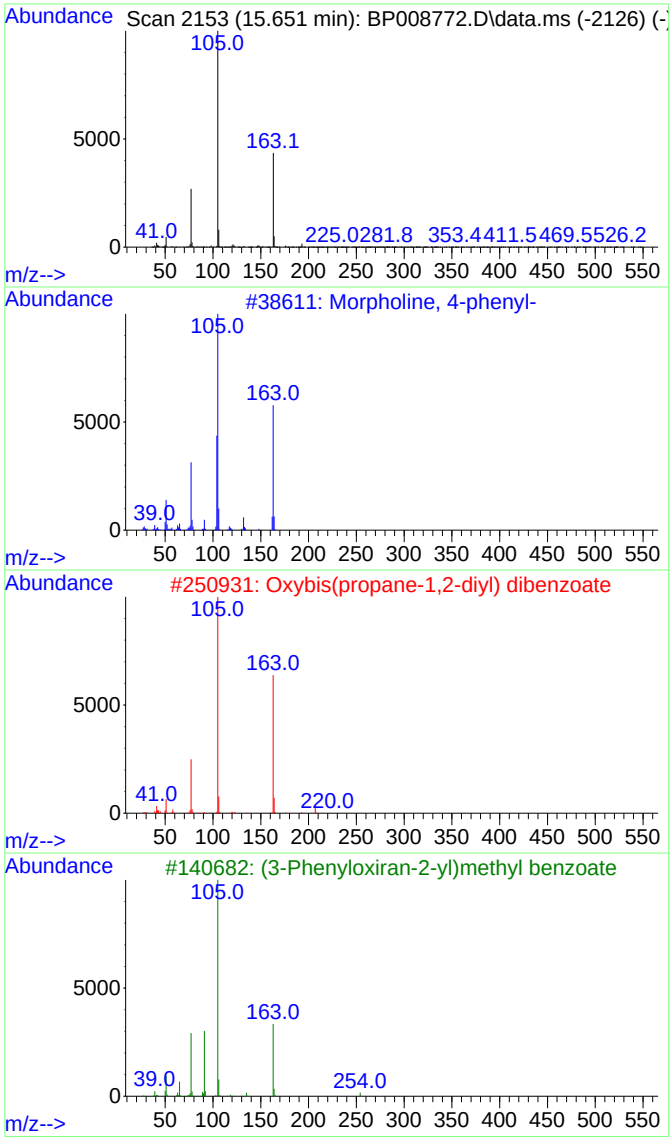
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

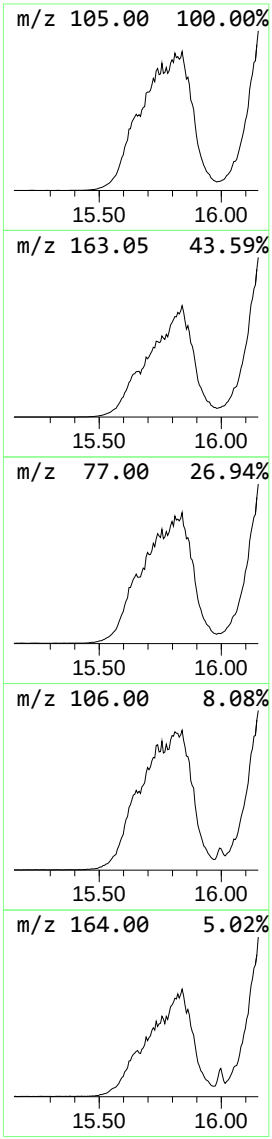
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Oxybis(propane-1,2-diyl) di... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.651 | 32.04 ng | 7600220 | Acenaphthene-d10 | 14.504 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Morpholine, 4-phenyl- | 163 | C10H13NO | 000092-53-5 | 72 |
| 2 | Oxybis(propane-1,2-diyl) dibenzoate | 342 | C20H22O5 | 000094-03-1 | 64 |
| 3 | (3-Phenyloxiran-2-yl)methyl benz... | 254 | C16H14O3 | 1000366-96-1 | 56 |
| 4 | 3-(Benzoylthio)-2-methylpropanoi... | 224 | C11H12O3S | 067714-34-5 | 38 |
| 5 | Phenylglyoxylic acid, neopentyl ... | 220 | C13H16O3 | 1000453-45-9 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008772.D
Acq On : 12 Jan 2022 14:07
Operator : CG/JU
Sample : N1097-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
TP-2S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

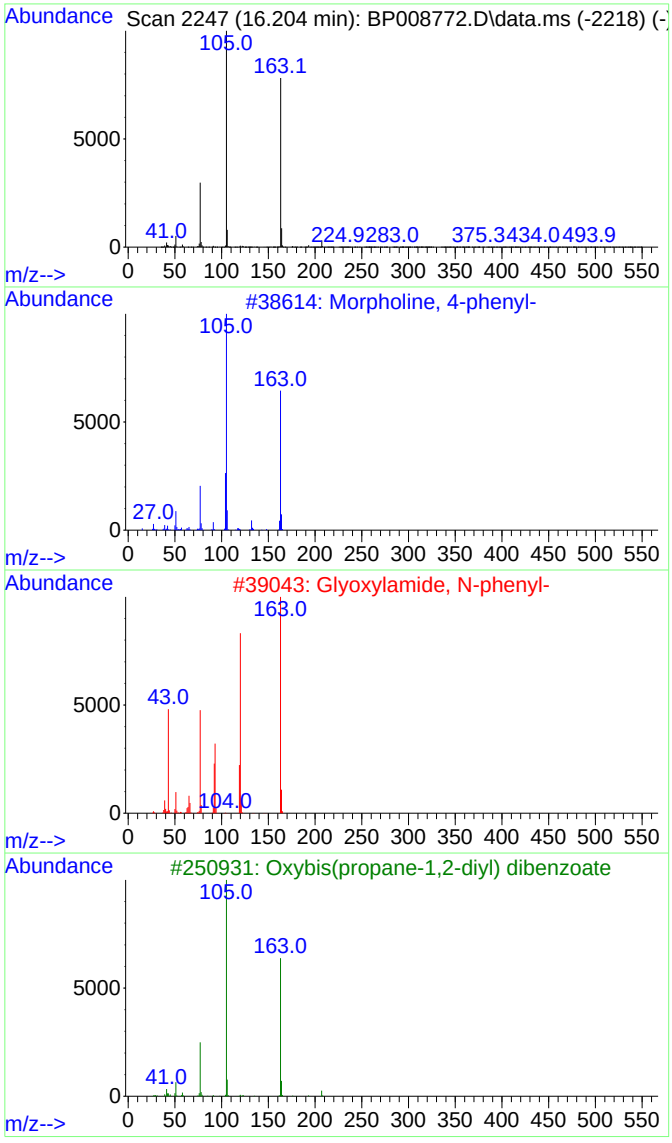
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

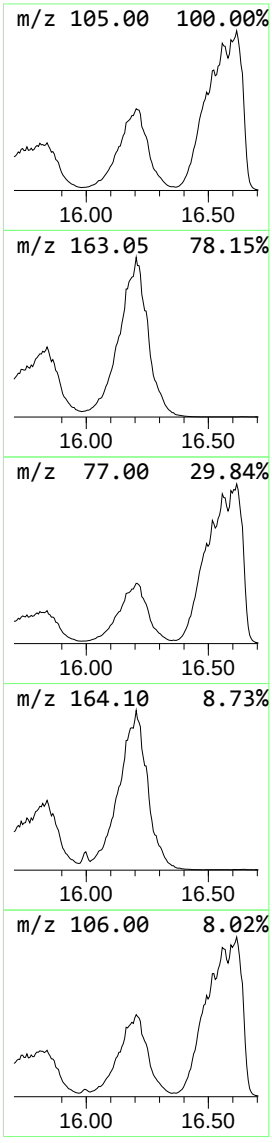
**********

Peak Number 4 Morpholine, 4-phenyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.204 | 171.08 ng | 47724000 | Phenanthrene-d10 | 17.257 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Morpholine, 4-phenyl- | 163 | C10H13NO | 000092-53-5 | 64 |
| 2 | Glyoxylamide, N-phenyl- | 163 | C9H9NO2 | 032331-52-5 | 59 |
| 3 | Oxybis(propane-1,2-diyl) dibenzoate | 342 | C20H22O5 | 000094-03-1 | 49 |
| 4 | 3-(Benzoylthio)-2-methylpropanoi... | 224 | C11H12O3S | 067714-34-5 | 22 |
| 5 | N-Methylbenzamide, N-pentafluoro... | 281 | C11H8F5NO2 | 1000446-98-1 | 22 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008772.D
Acq On : 12 Jan 2022 14:07
Operator : CG/JU
Sample : N1097-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
TP-2S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

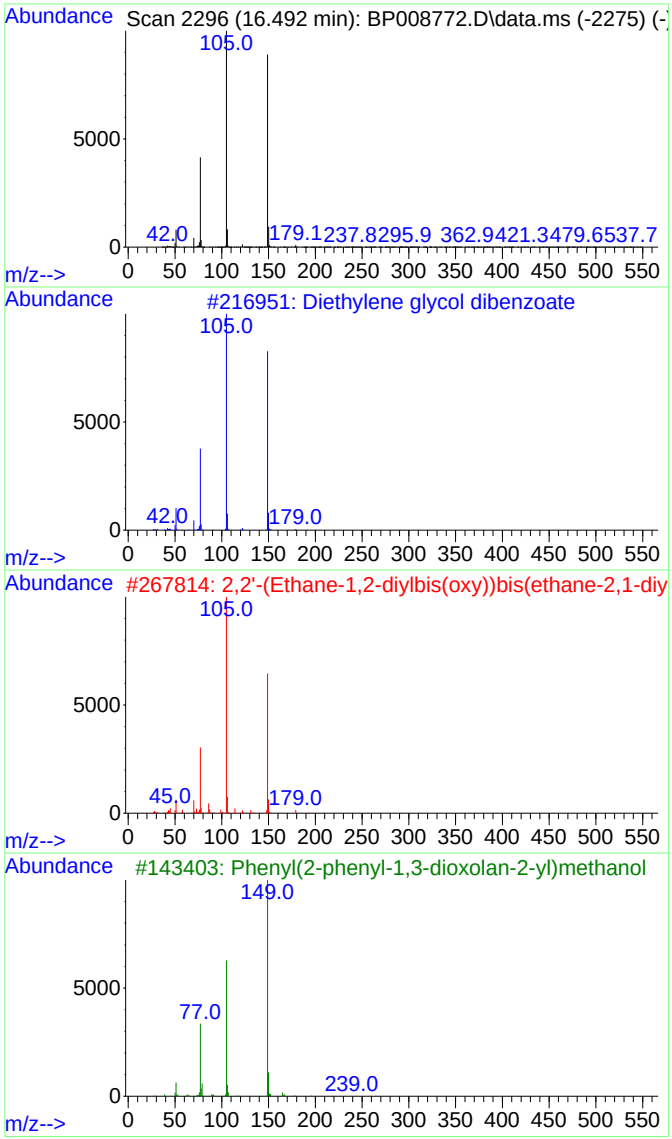
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

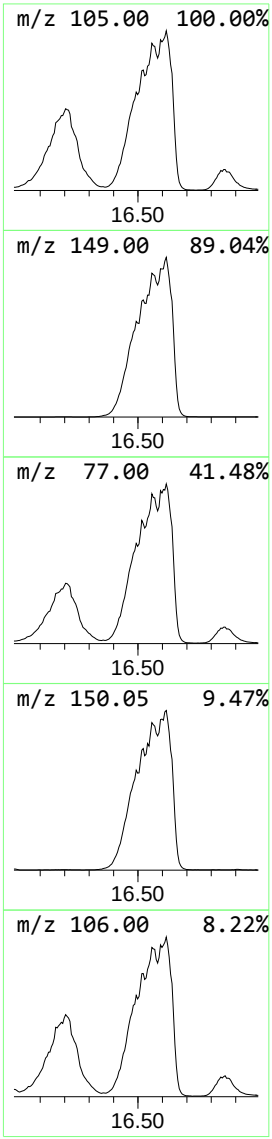
**********

Peak Number 5 Diethylene glycol dibenzoate Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.492 | 95.45 ng | 26626800 | Phenanthrene-d10 | 17.257 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Diethylene glycol dibenzoate | 314 | C18H18O5 | 000120-55-8 | 91 |
| 2 | 2,2'-(Ethane-1,2-diylbis(oxy))bi... | 358 | C20H22O6 | 1000366-99-4 | 83 |
| 3 | Phenyl(2-phenyl-1,3-dioxolan-2-y... | 256 | C16H16O3 | 005694-69-9 | 78 |
| 4 | Benzoic acid, 2-(4-nitrophenoxy)... | 287 | C15H13NO5 | 1000368-92-7 | 78 |
| 5 | Phenyl(2-phenyl-1,3-dioxolan-2-y... | 270 | C17H18O3 | 1000507-07-6 | 78 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008772.D
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Sample : N1097-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
TP-2S

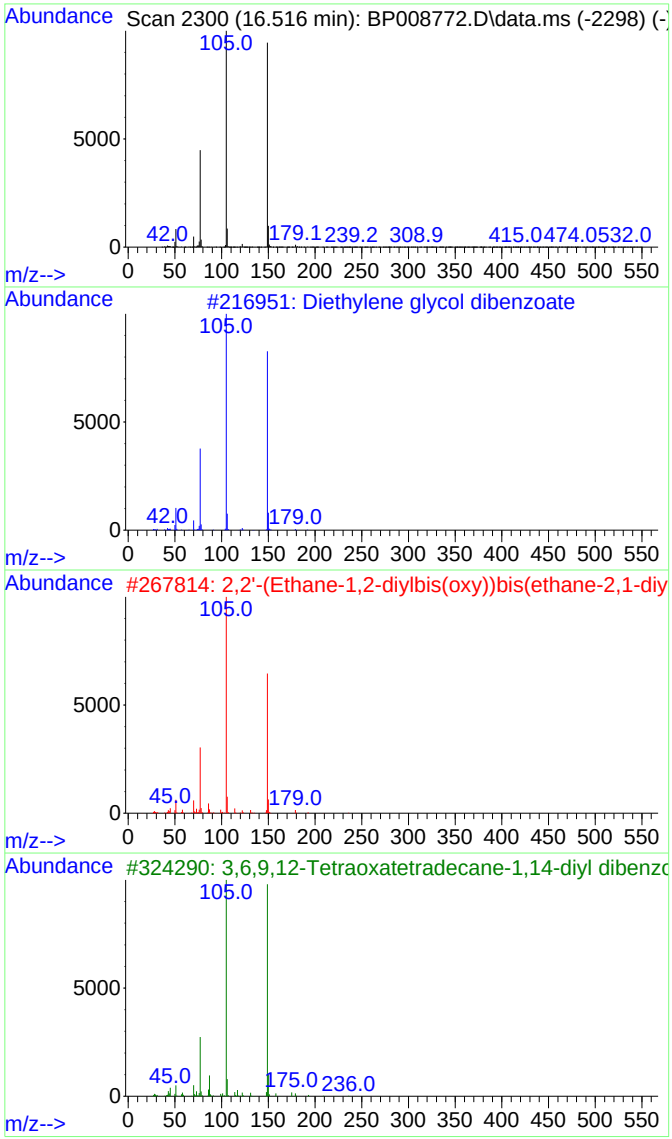
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

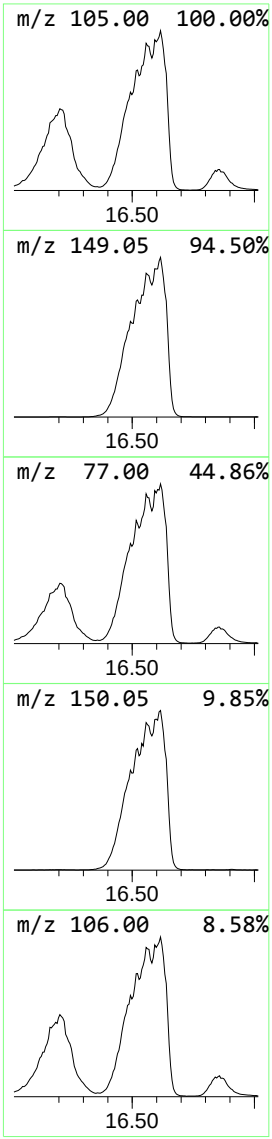
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 2,2'-(Ethane-1,2-diylbis(ox... Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.516 | 7.75 ng | 2162800 | Phenanthrene-d10 | 17.257 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Diethylene glycol dibenzoate | 314 | C18H18O5 | 000120-55-8 | 91 |
| 2 | 2,2'-(Ethane-1,2-diylbis(oxy))bi... | 358 | C20H22O6 | 1000366-99-4 | 83 |
| 3 | 3,6,9,12-Tetraoxatetradecane-1,1... | 446 | C24H30O8 | 1000366-97-0 | 72 |
| 4 | 1,3-Dioxolane, 2-(methoxymethyl)... | 194 | C11H14O3 | 1000156-71-2 | 64 |
| 5 | 2-(2-Carboxyvinyl)pyridine, trans | 149 | C8H7NO2 | 007340-22-9 | 52 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008772.D
Acq On : 12 Jan 2022 14:07
Operator : CG/JU
Sample : N1097-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
TP-2S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

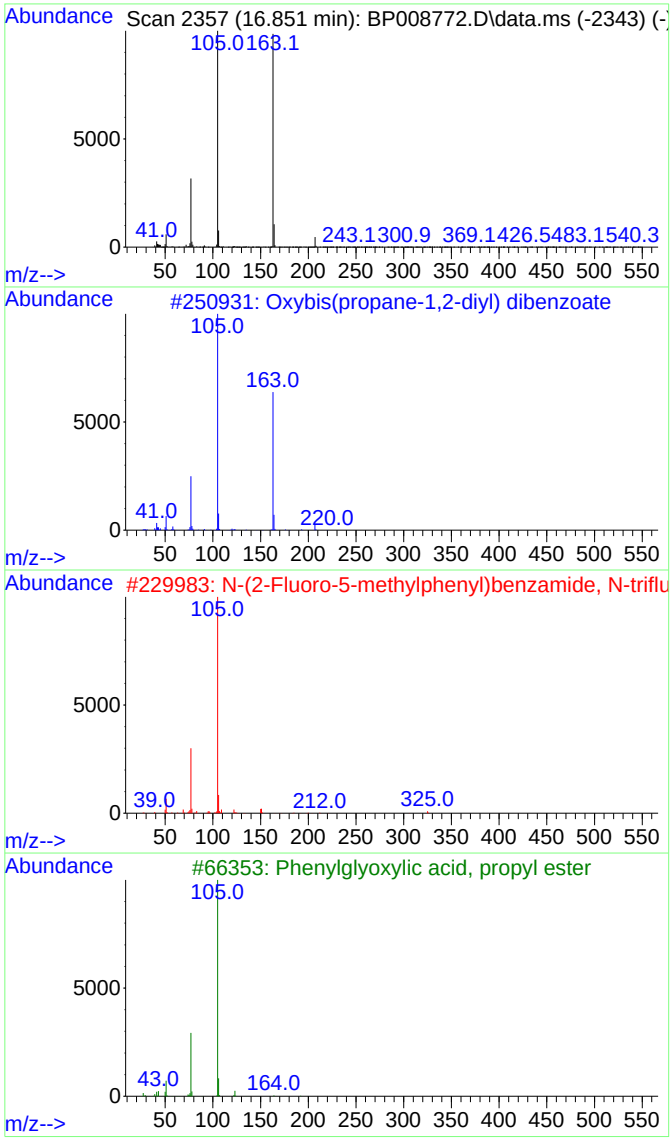
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

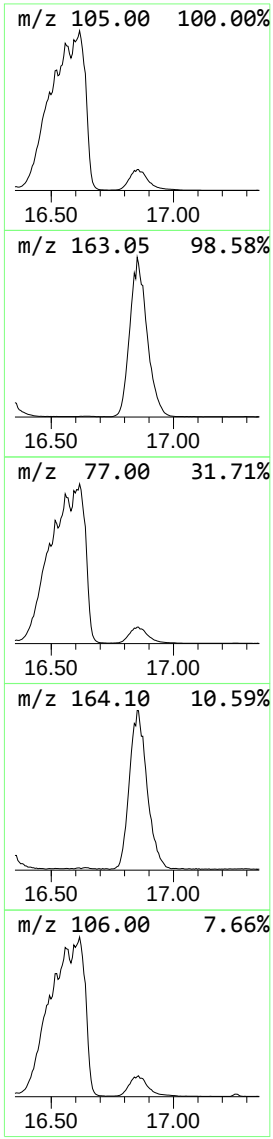
**********

Peak Number 7 N-(2-Fluoro-5-methylphenyl)... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.851 | 32.52 ng | 9070980 | Phenanthrene-d10 | 17.257 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Oxybis(propane-1,2-diyl) dibenzoate | 342 | C20H22O5 | 000094-03-1 | 58 |
| 2 | N-(2-Fluoro-5-methylphenyl)benza... | 325 | C16H11F4NO2 | 1000492-40-0 | 14 |
| 3 | Phenylglyoxylic acid, propyl ester | 192 | C11H12O3 | 1000453-46-7 | 14 |
| 4 | 1-(Benzoyloxy)propan-2-yl benzoate | 284 | C17H16O4 | 019224-26-1 | 14 |
| 5 | 1,2-Bis(benzoyloxy)benzene | 318 | C20H14O4 | 000643-94-7 | 14 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008772.D
Acq On : 12 Jan 2022 14:07
Operator : CG/JU
Sample : N1097-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
TP-2S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

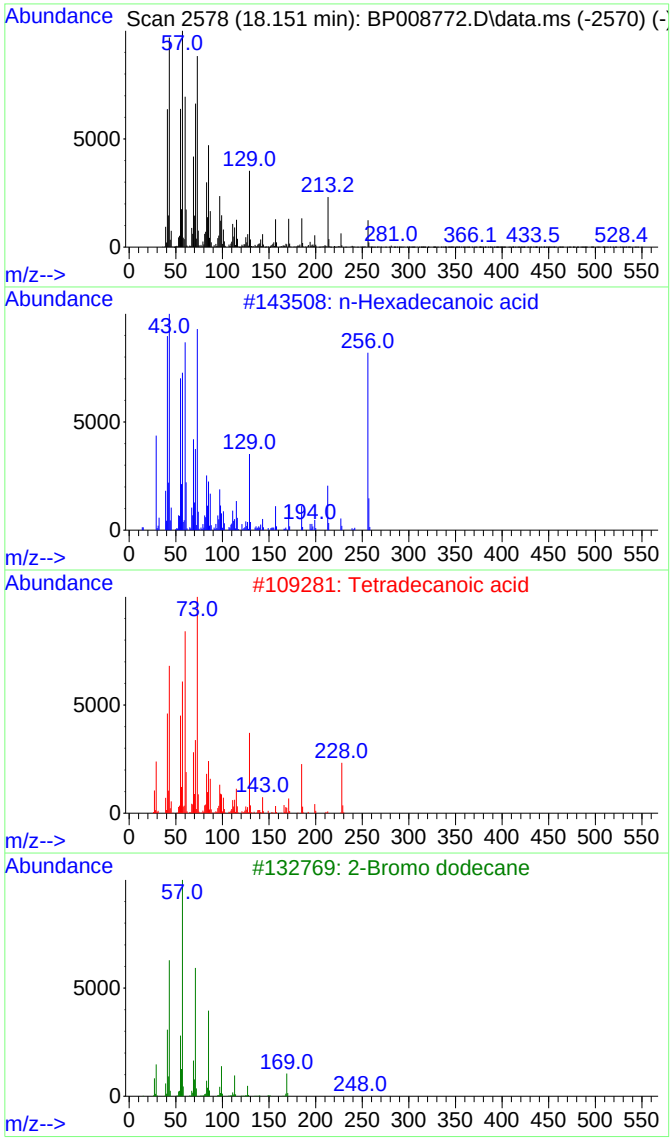
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

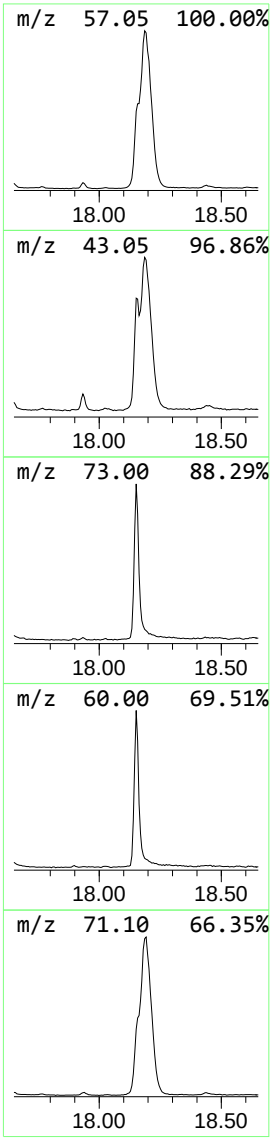
**********

Peak Number 8 n-Hexadecanoic acid Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.151 | 9.85 ng | 2748940 | Phenanthrene-d10 | 17.257 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 60 |
| 3 | 2-Bromo dodecane | 248 | C12H25Br | 013187-99-0 | 52 |
| 4 | Carbonic acid, eicosyl vinyl ester | 368 | C23H44O3 | 1000382-54-3 | 46 |
| 5 | Carbonic acid, hexadecyl prop-1-... | 326 | C20H38O3 | 1000382-90-3 | 46 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008772.D
Acq On : 12 Jan 2022 14:07
Operator : CG/JU
Sample : N1097-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
TP-2S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.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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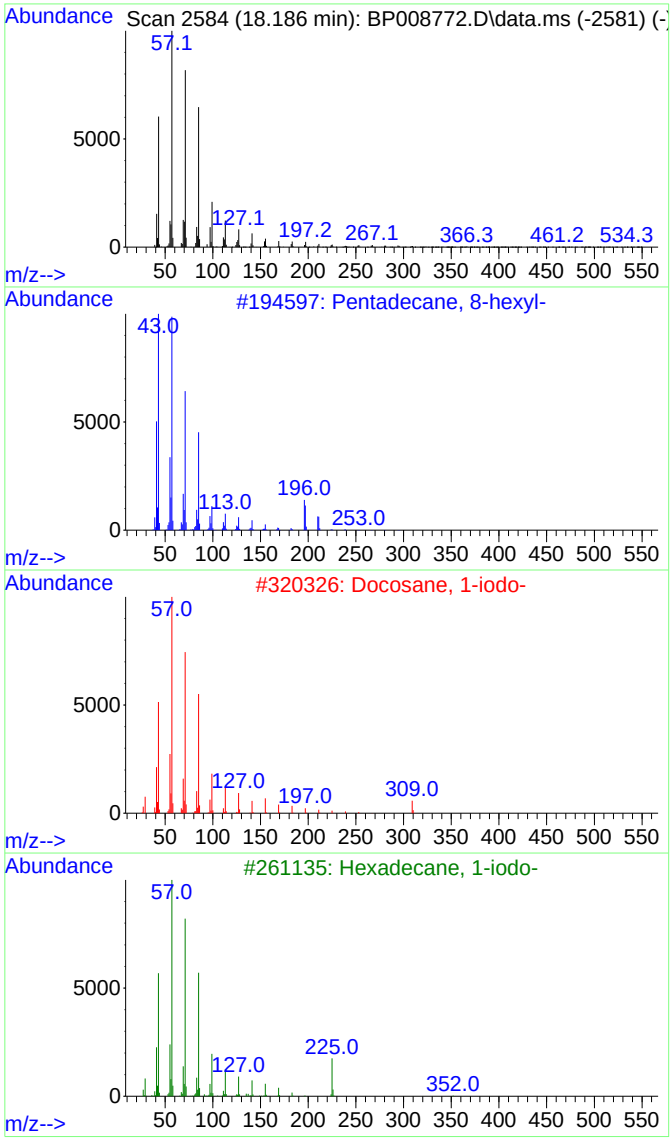
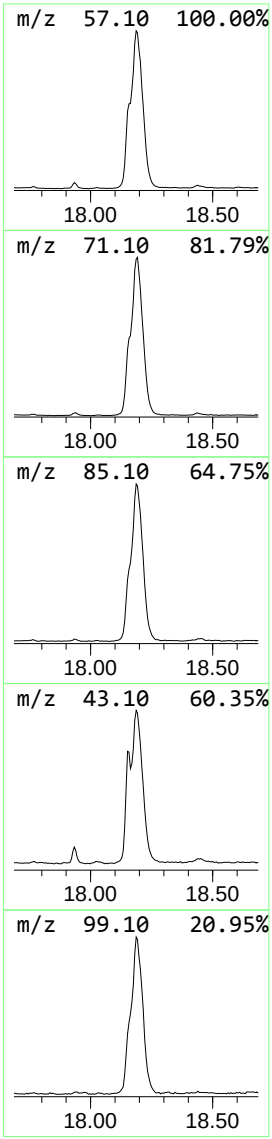
Peak Number 9 Pentadecane, 8-hexyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.186 | 15.67 ng | 4369880 | Phenanthrene-d10 | 17.257 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane, 8-hexyl- | 296 | C21H44 | 013475-75-7 | 93 |
| 2 | Docosane, 1-iodo- | 436 | C22H45I | 1000406-31-9 | 91 |
| 3 | Hexadecane, 1-iodo- | 352 | C16H33I | 000544-77-4 | 91 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 5 | 2-Bromotetradecane | 276 | C14H29Br | 074036-95-6 | 91 |



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Data File : BP008772.D
Acq On : 12 Jan 2022 14:07
Operator : CG/JU
Sample : N1097-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
TP-2S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.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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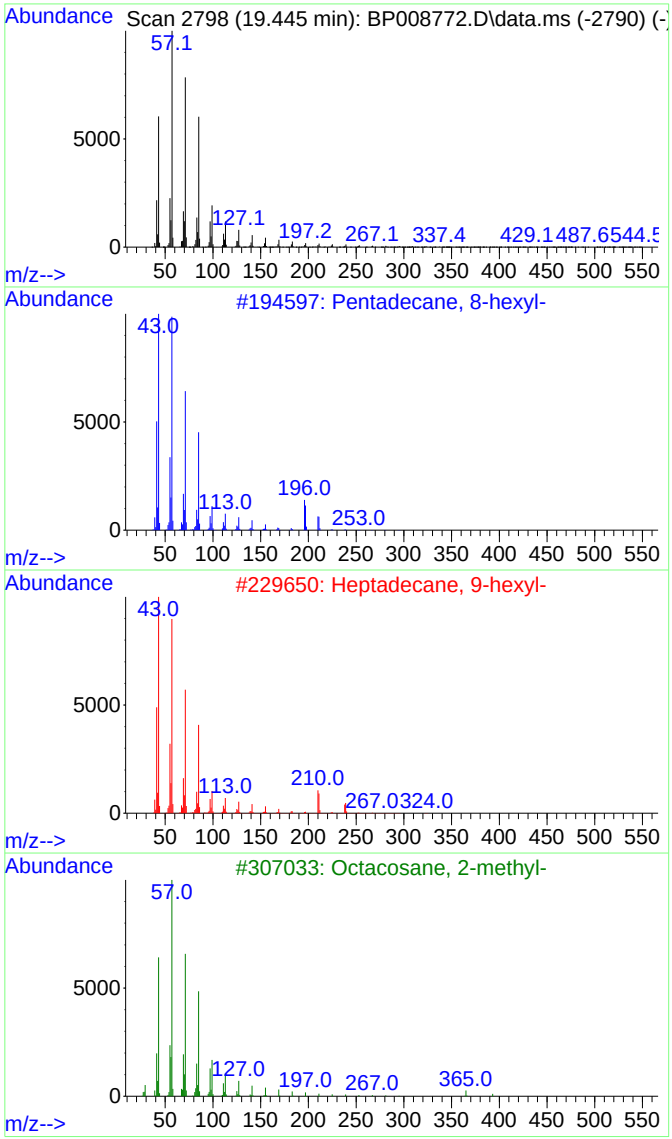
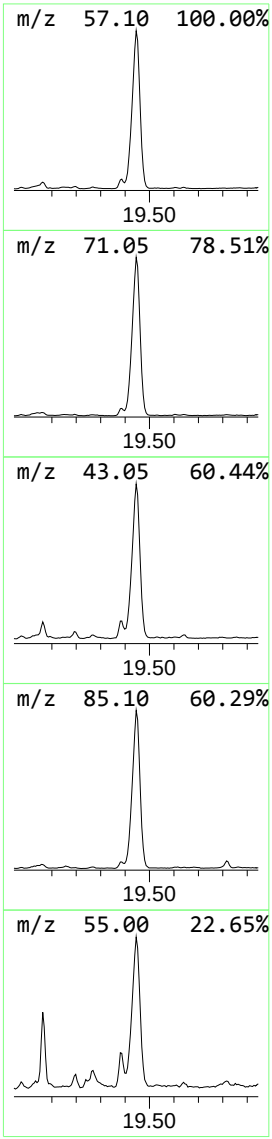
Peak Number 10 Heptadecane, 9-hexyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.445 | 18.67 ng | 6210230 | Chrysene-d12 | 21.345 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane, 8-hexyl- | 296 | C21H44 | 013475-75-7 | 93 |
| 2 | Heptadecane, 9-hexyl- | 324 | C23H48 | 055124-79-3 | 93 |
| 3 | Octacosane, 2-methyl- | 408 | C29H60 | 001560-98-1 | 91 |
| 4 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008772.D
Acq On : 12 Jan 2022 14:07
Operator : CG/JU
Sample : N1097-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
TP-2S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.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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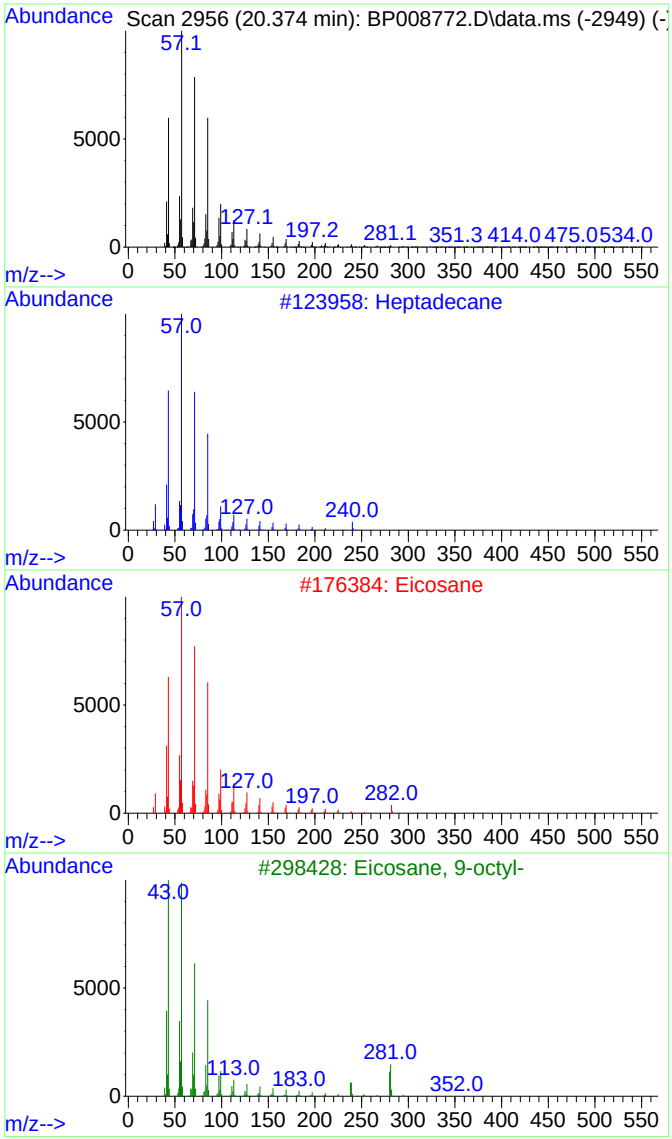
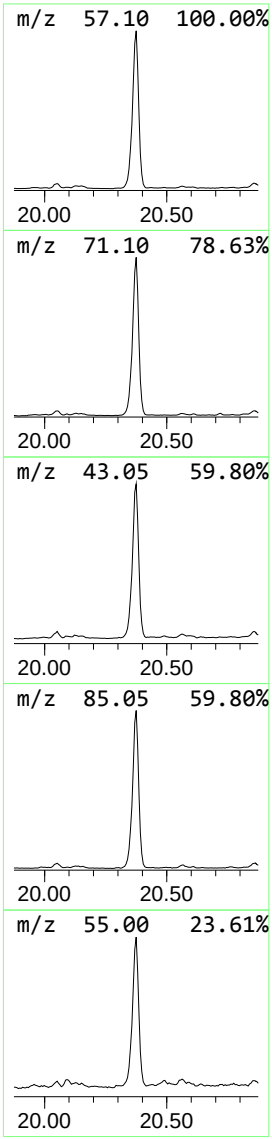
Peak Number 11 Heptadecane Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.375 | 17.63 ng | 5866150 | Chrysene-d12 | 21.345 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane | 240 | C17H36 | 000629-78-7 | 94 |
| 2 | Eicosane | 282 | C20H42 | 000112-95-8 | 93 |
| 3 | Eicosane, 9-octyl- | 394 | C28H58 | 013475-77-9 | 93 |
| 4 | Octacosane, 2-methyl- | 408 | C29H60 | 001560-98-1 | 91 |
| 5 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008772.D
Acq On : 12 Jan 2022 14:07
Operator : CG/JU
Sample : N1097-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
TP-2S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.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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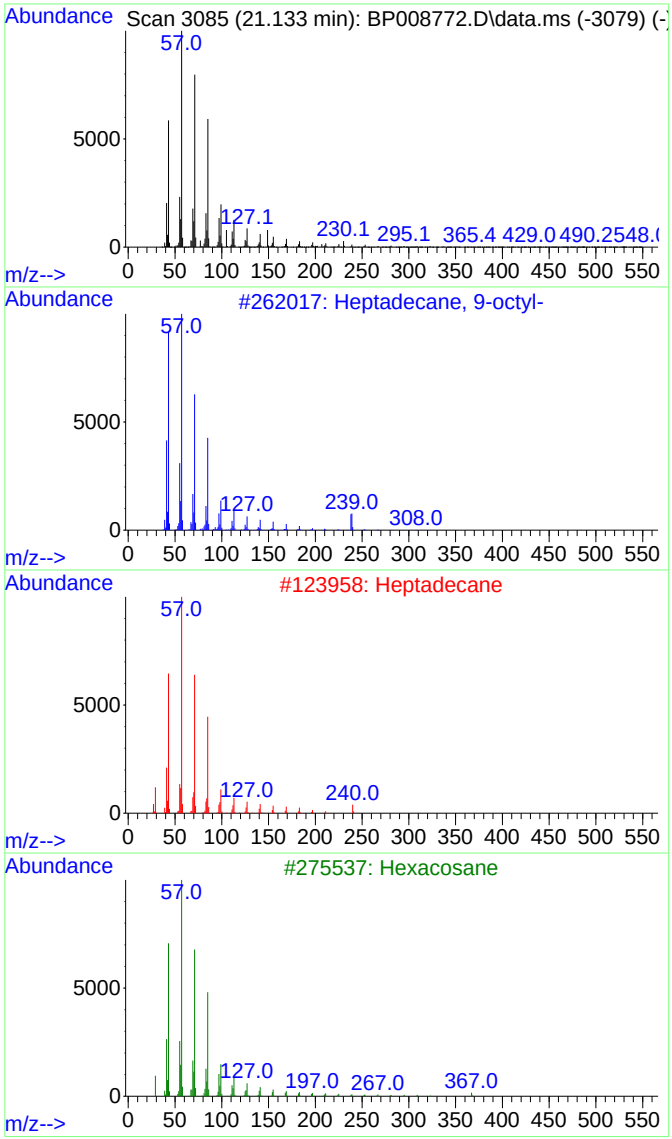
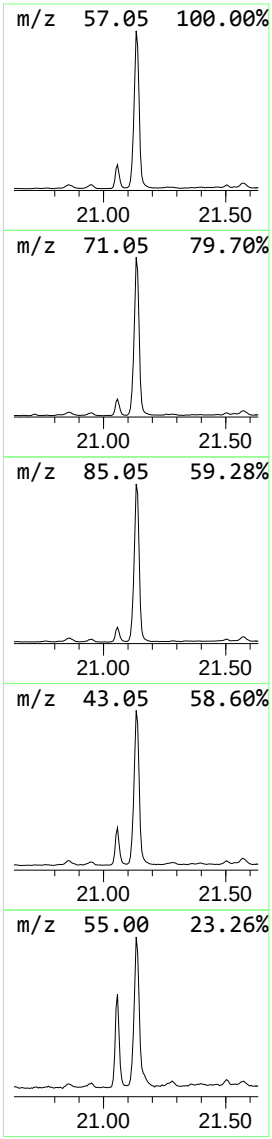
Peak Number 12 Heptadecane, 9-octyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.133 | 21.72 ng | 7225530 | Chrysene-d12 | 21.345 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 94 |
| 2 | Heptadecane | 240 | C17H36 | 000629-78-7 | 94 |
| 3 | Hexacosane | 366 | C26H54 | 000630-01-3 | 93 |
| 4 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 91 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008772.D
Acq On : 12 Jan 2022 14:07
Operator : CG/JU
Sample : N1097-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
TP-2S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.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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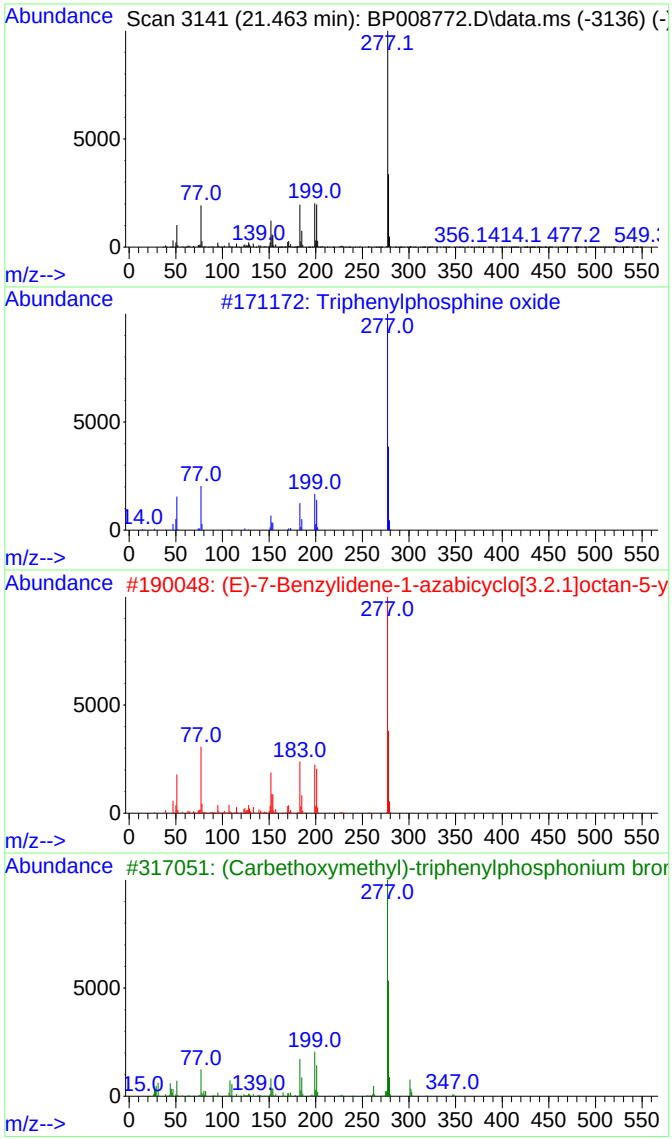
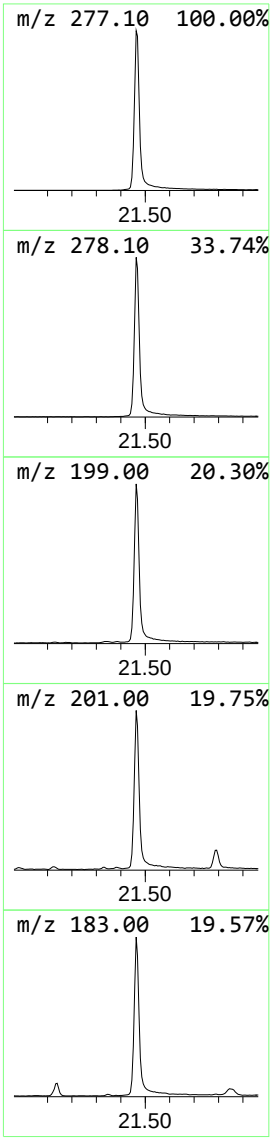
Peak Number 13 Triphenylphosphine oxide Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.463 | 19.12 ng | 6362070 | Chrysene-d12 | 21.345 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Triphenylphosphine oxide | 278 | C18H15OP | 000791-28-6 | 93 |
| 2 | (E)-7-Benzylidene-1-azabicyclo[3... | 293 | C15H19NO3S | 1000483-83-4 | 91 |
| 3 | (Carbethoxymethyl)-triphenylphos... | 428 | C22H22BrO2P | 001530-45-6 | 45 |
| 4 | Formaldehyde, (triphenylphosphor... | 304 | C19H17N2P | 015990-54-2 | 42 |
| 5 | 5-Methyl-8-phenylfuro[3',2':5,6]... | 277 | C16H11N3O2 | 1000460-07-9 | 25 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008772.D
Acq On : 12 Jan 2022 14:07
Operator : CG/JU
Sample : N1097-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
TP-2S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.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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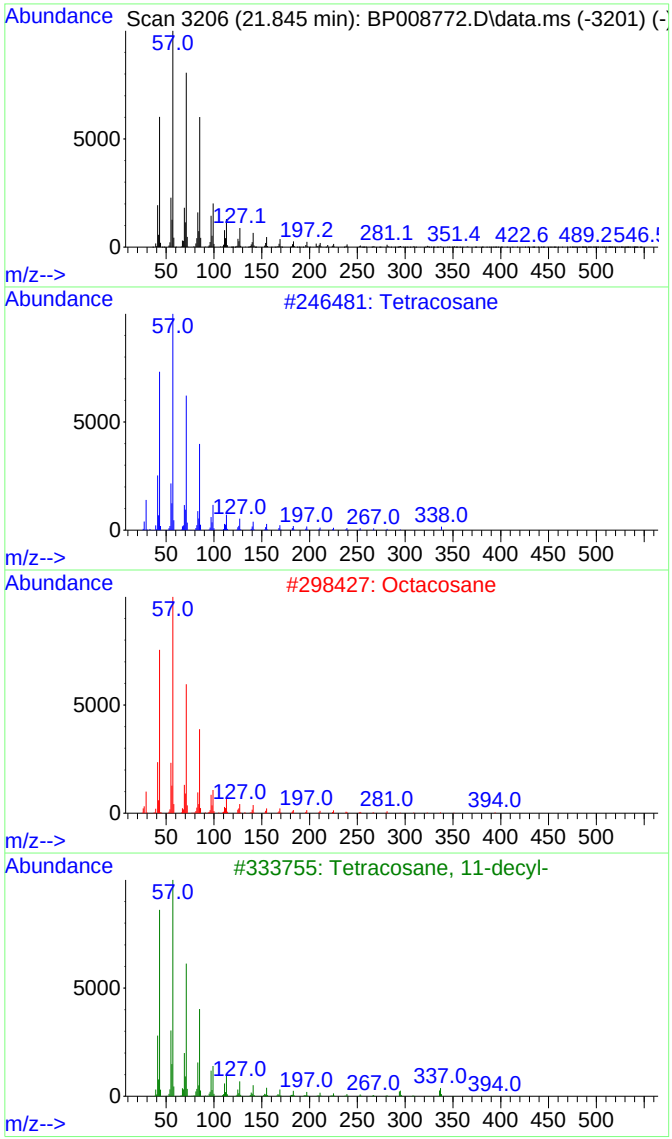
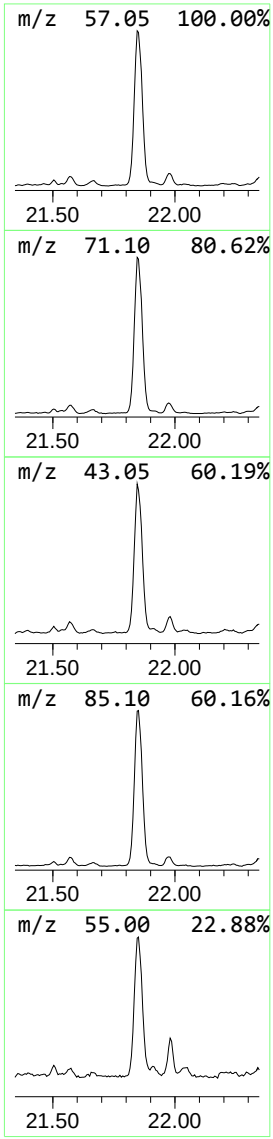
Peak Number 14 Tetracosane Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.845 | 15.16 ng | 5042980 | Chrysene-d12 | 21.345 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetracosane | 338 | C24H50 | 000646-31-1 | 95 |
| 2 | Octacosane | 394 | C28H58 | 000630-02-4 | 94 |
| 3 | Tetracosane, 11-decyl- | 479 | C34H70 | 055429-84-0 | 91 |
| 4 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 91 |
| 5 | Octacosane, 2-methyl- | 408 | C29H60 | 001560-98-1 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008772.D
Acq On : 12 Jan 2022 14:07
Operator : CG/JU
Sample : N1097-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
TP-2S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.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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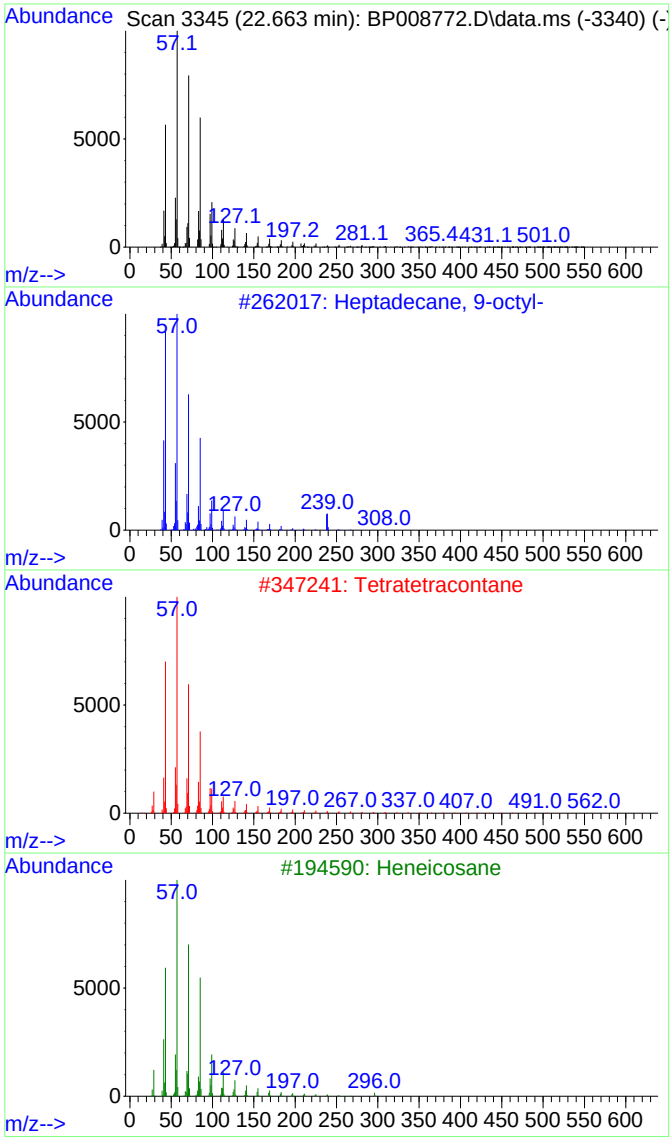
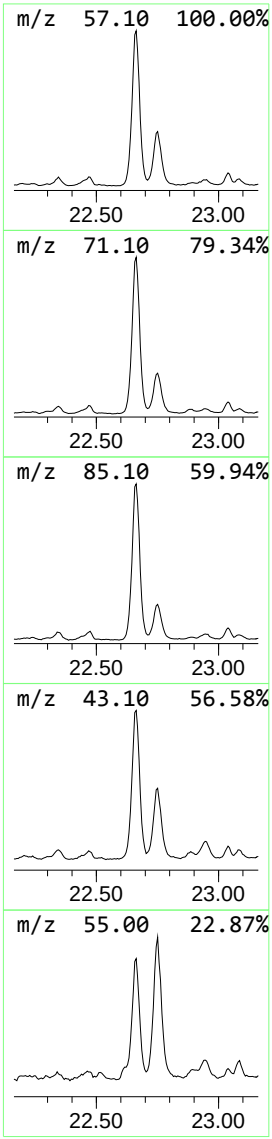
Peak Number 15 Tetratetracontane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.663 | 20.25 ng | 4595740 | Perylene-d12 | 23.768 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 93 |
| 2 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 91 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 4 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 5 | Octacosane, 2-methyl- | 408 | C29H60 | 001560-98-1 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008772.D
Acq On : 12 Jan 2022 14:07
Operator : CG/JU
Sample : N1097-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
TP-2S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.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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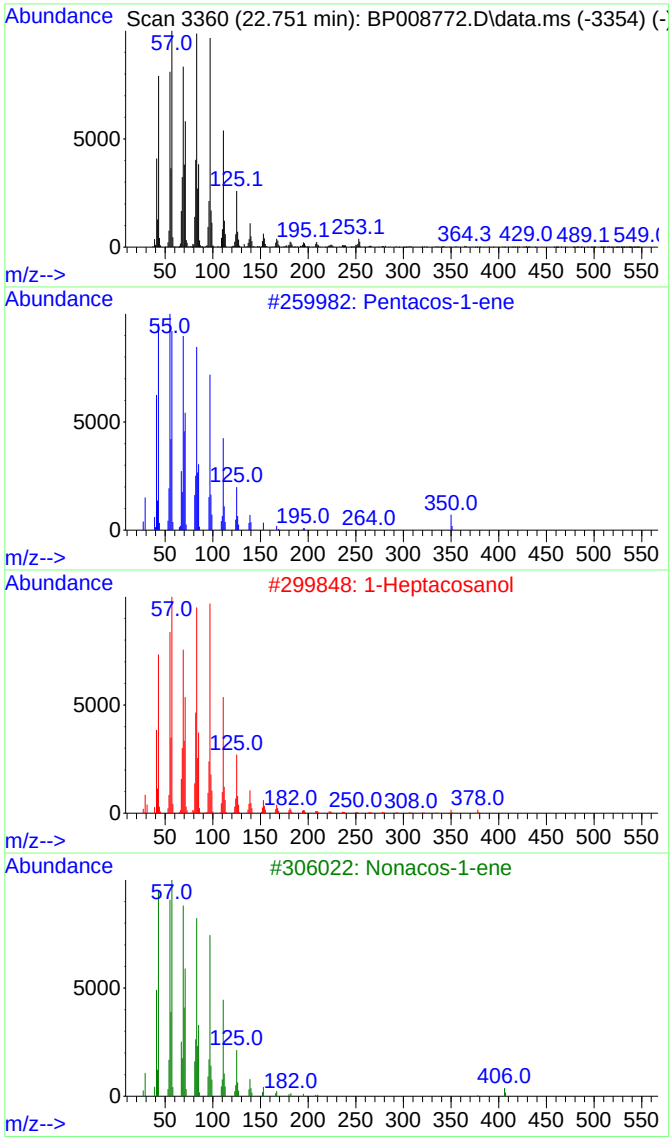
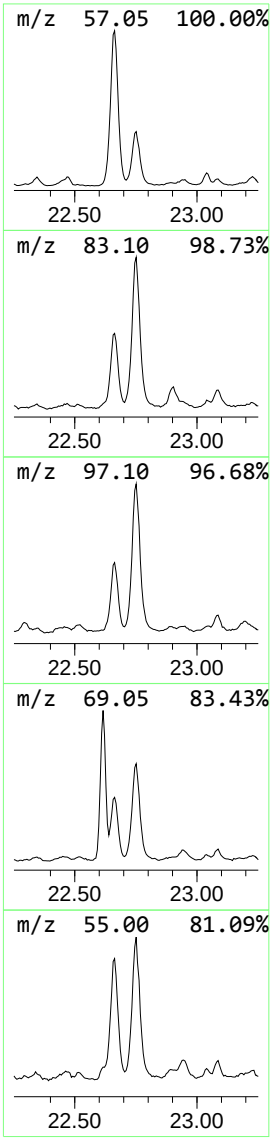
Peak Number 16 Pentacos-1-ene Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.751 | 15.74 ng | 3572010 | Perylene-d12 | 23.768 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentacos-1-ene | 350 | C25H50 | 016980-85-1 | 96 |
| 2 | 1-Heptacosanol | 396 | C27H56O | 002004-39-9 | 95 |
| 3 | Nonacos-1-ene | 406 | C29H58 | 018835-35-3 | 94 |
| 4 | Octacosanol | 410 | C28H58O | 000557-61-9 | 94 |
| 5 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 94 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008772.D
Acq On : 12 Jan 2022 14:07
Operator : CG/JU
Sample : N1097-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
TP-2S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.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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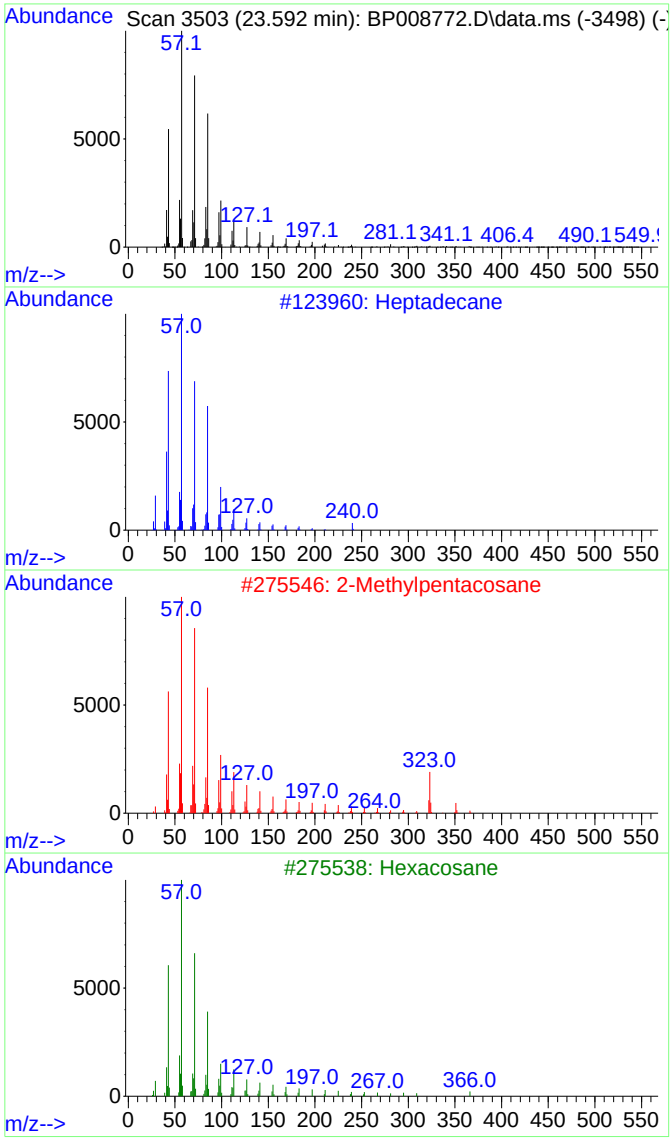
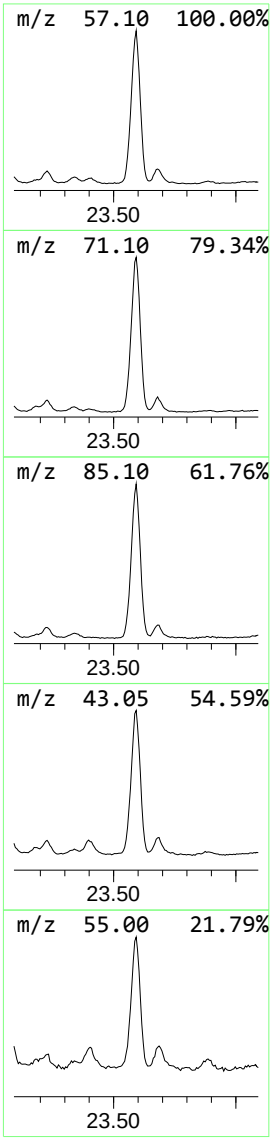
Peak Number 17 2-Methylpentacosane Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.592 | 15.46 ng | 3508020 | Perylene-d12 | 23.768 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane | 240 | C17H36 | 000629-78-7 | 94 |
| 2 | 2-Methylpentacosane | 366 | C26H54 | 000629-87-8 | 93 |
| 3 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 4 | Dotriacontane, 1-iodo- | 576 | C32H65I | 1000406-32-4 | 91 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008772.D
Acq On : 12 Jan 2022 14:07
Operator : CG/JU
Sample : N1097-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
TP-2S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.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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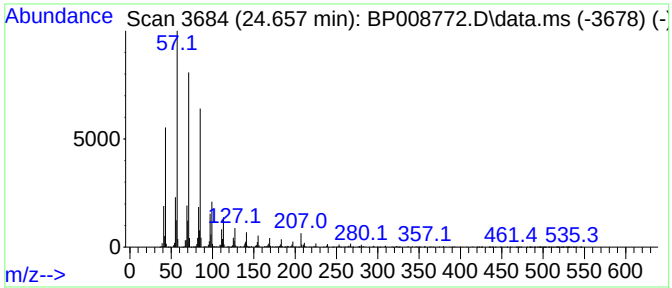
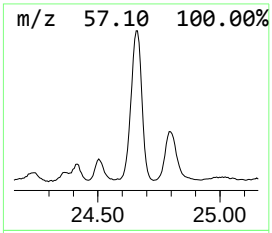
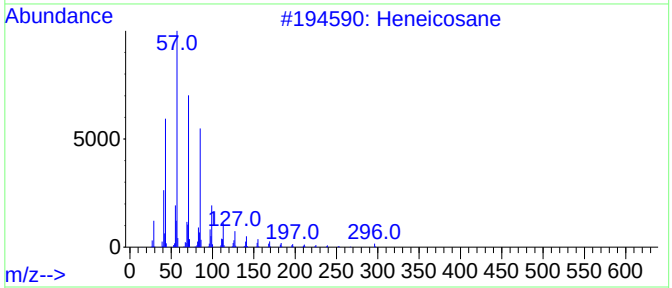
Peak Number 18 Heneicosane Concentration Rank 17

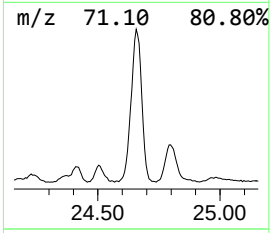
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.657 | 14.24 ng | 3232290 | Perylene-d12 | 23.768 |

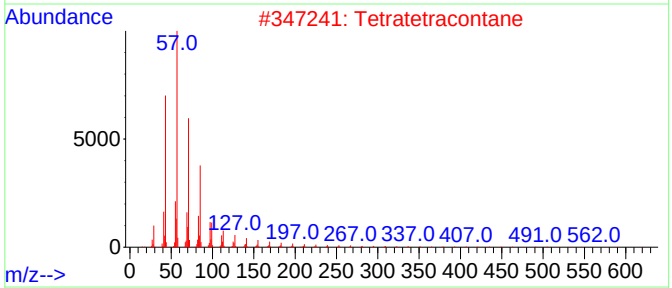
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 2 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 91 |
| 3 | Docosane, 7-hexyl- | 394 | C28H58 | 055373-86-9 | 91 |
| 4 | Octacosane, 2-methyl- | 408 | C29H60 | 001560-98-1 | 91 |
| 5 | Dotriacontane, 1-iodo- | 576 | C32H65I | 1000406-32-4 | 91 |

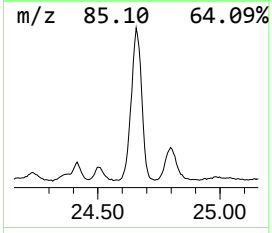


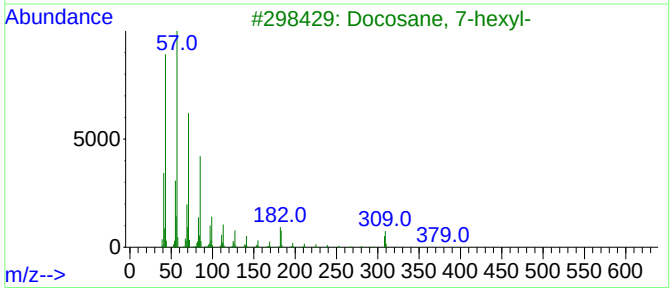



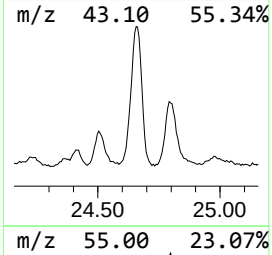



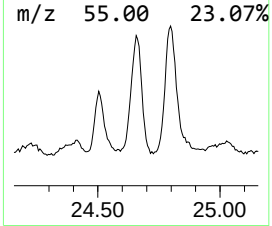



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008772.D
Acq On : 12 Jan 2022 14:07
Operator : CG/JU
Sample : N1097-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
TP-2S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.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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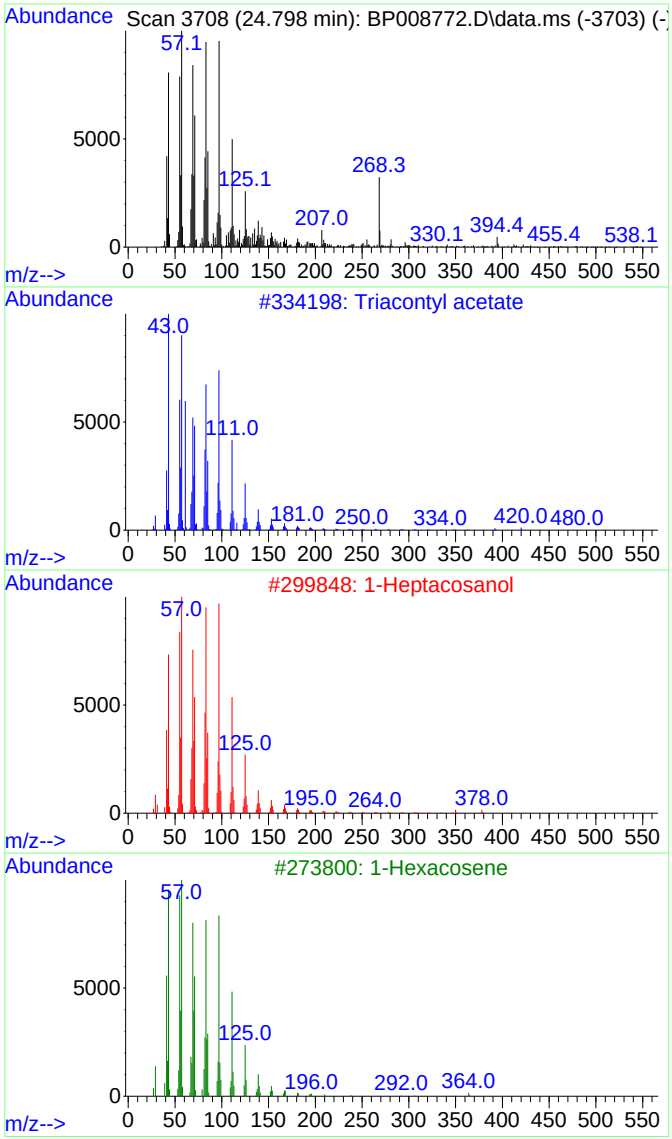
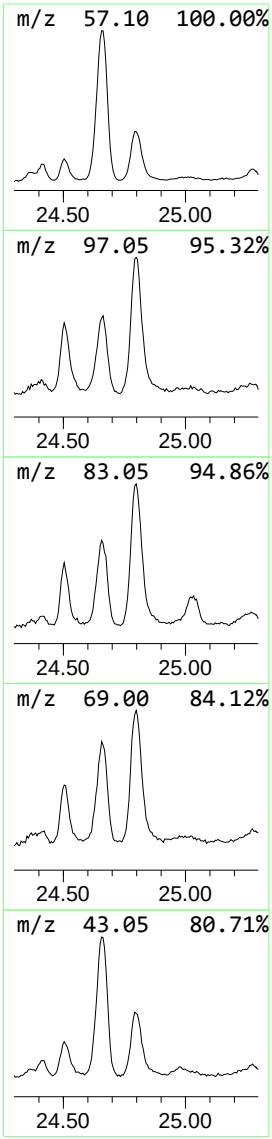
Peak Number 19 Triacontyl acetate Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.798 | 11.82 ng | 2681930 | Perylene-d12 | 23.768 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Triacontyl acetate | 480 | C32H64O2 | 041755-58-2 | 95 |
| 2 | 1-Heptacosanol | 396 | C27H56O | 002004-39-9 | 94 |
| 3 | 1-Hexacosene | 364 | C26H52 | 018835-33-1 | 93 |
| 4 | Heptacos-1-ene | 378 | C27H54 | 015306-27-1 | 92 |
| 5 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008772.D
Acq On : 12 Jan 2022 14:07
Operator : CG/JU
Sample : N1097-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
TP-2S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.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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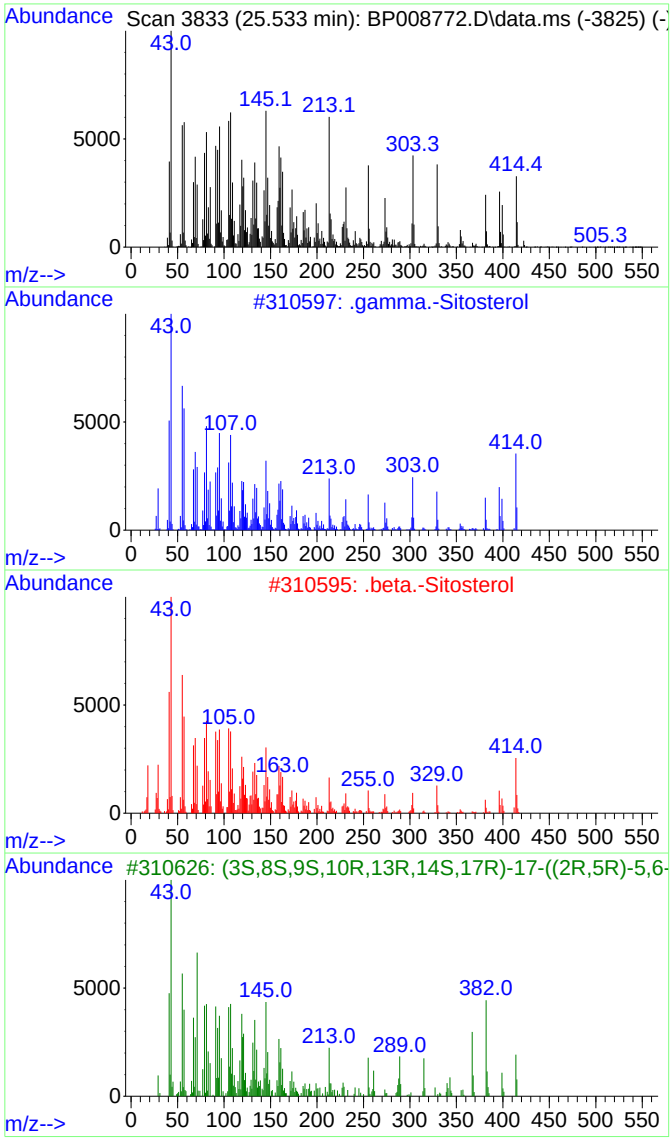
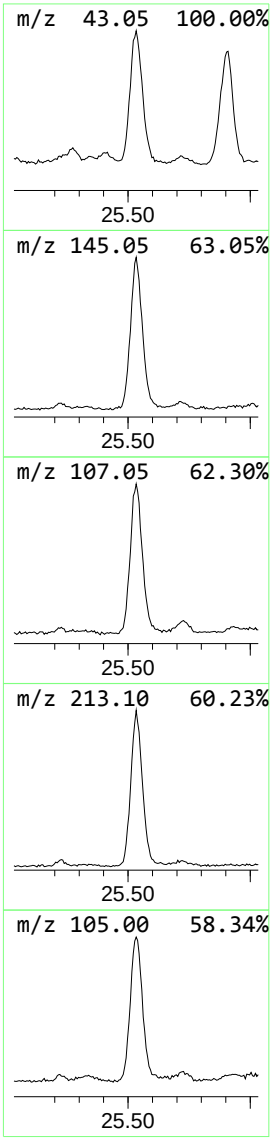
Peak Number 20 .gamma.-Sitosterol Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.533 | 29.60 ng | 6717410 | Perylene-d12 | 23.768 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .gamma.-Sitosterol | 414 | C29H50O | 000083-47-6 | 99 |
| 2 | .beta.-Sitosterol | 414 | C29H50O | 000083-46-5 | 83 |
| 3 | (3S,8S,9S,10R,13R,14S,17R)-17-((... | 414 | C29H50O | 029365-29-5 | 42 |
| 4 | 5-Cholestene-3-ol, 24-methyl- | 400 | C28H48O | 290299-12-6 | 20 |
| 5 | Campesterol | 400 | C28H48O | 000474-62-4 | 20 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008772.D
Acq On : 12 Jan 2022 14:07
Operator : CG/JU
Sample : N1097-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
TP-2S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Butane, 2-metho... | 3.064 | 40.3 | ng | 4688050 | 1 | 7.863 | 2325380 | 20.0 |
| Ethanol, 2-(2-b... | 10.451 | 15.5 | ng | 2605930 | 2 | 10.669 | 3356550 | 20.0 |
| Oxybis(propane-... | 15.651 | 32.0 | ng | 7600220 | 3 | 14.504 | 4744600 | 20.0 |
| Morpholine, 4-p... | 16.204 | 171.1 | ng | 47724000 | 4 | 17.257 | 5579070 | 20.0 |
| Diethylene glyc... | 16.492 | 95.5 | ng | 26626800 | 4 | 17.257 | 5579070 | 20.0 |
| 2,2'-(Ethane-1,... | 16.516 | 7.8 | ng | 2162800 | 4 | 17.257 | 5579070 | 20.0 |
| N-(2-Fluoro-5-m... | 16.851 | 32.5 | ng | 9070980 | 4 | 17.257 | 5579070 | 20.0 |
| n-Hexadecanoic ... | 18.151 | 9.8 | ng | 2748940 | 4 | 17.257 | 5579070 | 20.0 |
| Pentadecane, 8-... | 18.186 | 15.7 | ng | 4369880 | 4 | 17.257 | 5579070 | 20.0 |
| Heptadecane, 9-... | 19.445 | 18.7 | ng | 6210230 | 5 | 21.345 | 6653550 | 20.0 |
| Heptadecane | 20.375 | 17.6 | ng | 5866150 | 5 | 21.345 | 6653550 | 20.0 |
| Heptadecane, 9-... | 21.133 | 21.7 | ng | 7225530 | 5 | 21.345 | 6653550 | 20.0 |
| Triphenylphosph... | 21.463 | 19.1 | ng | 6362070 | 5 | 21.345 | 6653550 | 20.0 |
| Tetracosane | 21.845 | 15.2 | ng | 5042980 | 5 | 21.345 | 6653550 | 20.0 |
| Tetratetracontane | 22.663 | 20.3 | ng | 4595740 | 6 | 23.768 | 4538330 | 20.0 |
| Pentacos-1-ene | 22.751 | 15.7 | ng | 3572010 | 6 | 23.768 | 4538330 | 20.0 |
| 2-Methylpentaco... | 23.592 | 15.5 | ng | 3508020 | 6 | 23.768 | 4538330 | 20.0 |
| Heneicosane | 24.657 | 14.2 | ng | 3232290 | 6 | 23.768 | 4538330 | 20.0 |
| Triacontyl acetate | 24.798 | 11.8 | ng | 2681930 | 6 | 23.768 | 4538330 | 20.0 |
| .gamma.-Sitosterol | 25.533 | 29.6 | ng | 6717410 | 6 | 23.768 | 4538330 | 20.0 |