LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP082720\
Data File : BP003145.D
Acq On : 27 Aug 2020 22:39
Operator : CG/JU
Sample : L3498-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** HR-06-082620

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\8270-BP082420.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.934 | 3 | 8 | 20 | rVB | 234322 | 312022 | 5.11% | 0.778% |
| 2 | 5.269 | 399 | 405 | 417 | rBV | 393616 | 585732 | 9.60% | 1.460% |
| 3 | 6.840 | 664 | 672 | 691 | rBV | 351910 | 600850 | 9.85% | 1.498% |
| 4 | 7.663 | 805 | 812 | 819 | rBV | 808972 | 1259722 | 20.65% | 3.140% |
| 5 | 8.805 | 993 | 1006 | 1020 | rBV | 237100 | 444038 | 7.28% | 1.107% |
| 6 | 10.440 | 1276 | 1284 | 1293 | rBV | 1081161 | 1849112 | 30.31% | 4.610% |
| 7 | 11.899 | 1524 | 1532 | 1544 | rBV3 | 44404 | 104758 | 1.72% | 0.261% |
| 8 | 12.375 | 1608 | 1613 | 1618 | rBV2 | 37704 | 62370 | 1.02% | 0.155% |
| 9 | 12.922 | 1700 | 1706 | 1717 | rBV | 787668 | 1210247 | 19.84% | 3.017% |
| 10 | 13.151 | 1738 | 1745 | 1751 | rBV | 63305 | 116409 | 1.91% | 0.290% |
| 11 | 13.246 | 1757 | 1761 | 1766 | rVB2 | 40404 | 66125 | 1.08% | 0.165% |
| 12 | 13.763 | 1840 | 1849 | 1855 | rBV | 107346 | 223589 | 3.66% | 0.557% |
| 13 | 14.234 | 1924 | 1929 | 1933 | rBV | 101869 | 121789 | 2.00% | 0.304% |
| 14 | 14.304 | 1934 | 1941 | 1953 | rBV | 1647295 | 2533681 | 41.53% | 6.316% |
| 15 | 14.857 | 2032 | 2035 | 2041 | rVB7 | 41641 | 65201 | 1.07% | 0.163% |
| 16 | 15.187 | 2087 | 2091 | 2100 | rVB | 119402 | 153834 | 2.52% | 0.383% |
| 17 | 15.598 | 2154 | 2161 | 2166 | rBV3 | 56118 | 116062 | 1.90% | 0.289% |
| 18 | 15.798 | 2189 | 2195 | 2205 | rVB | 498913 | 753739 | 12.35% | 1.879% |
| 19 | 16.051 | 2234 | 2238 | 2241 | rBV | 150517 | 198433 | 3.25% | 0.495% |
| 20 | 16.851 | 2369 | 2374 | 2378 | rBV2 | 144816 | 189588 | 3.11% | 0.473% |
| 21 | 16.904 | 2379 | 2383 | 2389 | rVB2 | 64880 | 97770 | 1.60% | 0.244% |
| 22 | 17.051 | 2402 | 2408 | 2421 | rBV | 1895865 | 2854364 | 46.79% | 7.116% |
| 23 | 17.586 | 2495 | 2499 | 2503 | rBV | 141253 | 172543 | 2.83% | 0.430% |
| 24 | 17.628 | 2503 | 2506 | 2511 | rVB2 | 81354 | 102028 | 1.67% | 0.254% |
| 25 | 17.757 | 2523 | 2528 | 2533 | rBV | 2212177 | 2636488 | 43.21% | 6.572% |
| 26 | 17.969 | 2561 | 2564 | 2571 | rBV3 | 74050 | 116531 | 1.91% | 0.290% |
| 27 | 18.263 | 2611 | 2614 | 2621 | rVB | 119774 | 142752 | 2.34% | 0.356% |
| 28 | 18.863 | 2711 | 2716 | 2718 | rBV | 4996026 | 6100949 | 100.00% | 15.209% |
| 29 | 18.892 | 2718 | 2721 | 2725 | rVB2 | 4998887 | 5846020 | 95.82% | 14.573% |
| 30 | 19.022 | 2739 | 2743 | 2748 | rBV | 1102447 | 1163803 | 19.08% | 2.901% |
| 31 | 19.433 | 2810 | 2813 | 2823 | rVB3 | 117804 | 205893 | 3.37% | 0.513% |
| 32 | 19.628 | 2842 | 2846 | 2851 | rBV | 1472268 | 1765019 | 28.93% | 4.400% |
| 33 | 19.957 | 2899 | 2902 | 2904 | rBV | 89966 | 119408 | 1.96% | 0.298% |
| 34 | 19.980 | 2904 | 2906 | 2916 | rVB5 | 160579 | 209373 | 3.43% | 0.522% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP082720\
Data File : BP003145.D
Acq On : 27 Aug 2020 22:39
Operator : CG/JU
Sample : L3498-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** HR-06-082620

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\8270-BP082420.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 20.086 | 2921 | 2924 | 2927 | rBV | 102753 | 102406 | 1.68% | 0.255% |
| 36 | 20.375 | 2971 | 2973 | 2978 | rVB3 | 104878 | 123511 | 2.02% | 0.308% |
| 37 | 20.692 | 3022 | 3027 | 3030 | rVB3 | 107042 | 185111 | 3.03% | 0.461% |
| 38 | 20.886 | 3056 | 3060 | 3067 | rBV3 | 135248 | 210437 | 3.45% | 0.525% |
| 39 | 21.145 | 3099 | 3104 | 3110 | rBV | 2642014 | 3379398 | 55.39% | 8.424% |
| 40 | 23.380 | 3478 | 3484 | 3494 | rVB | 1856132 | 3613559 | 59.23% | 9.008% |

Sum of corrected areas: 40114664

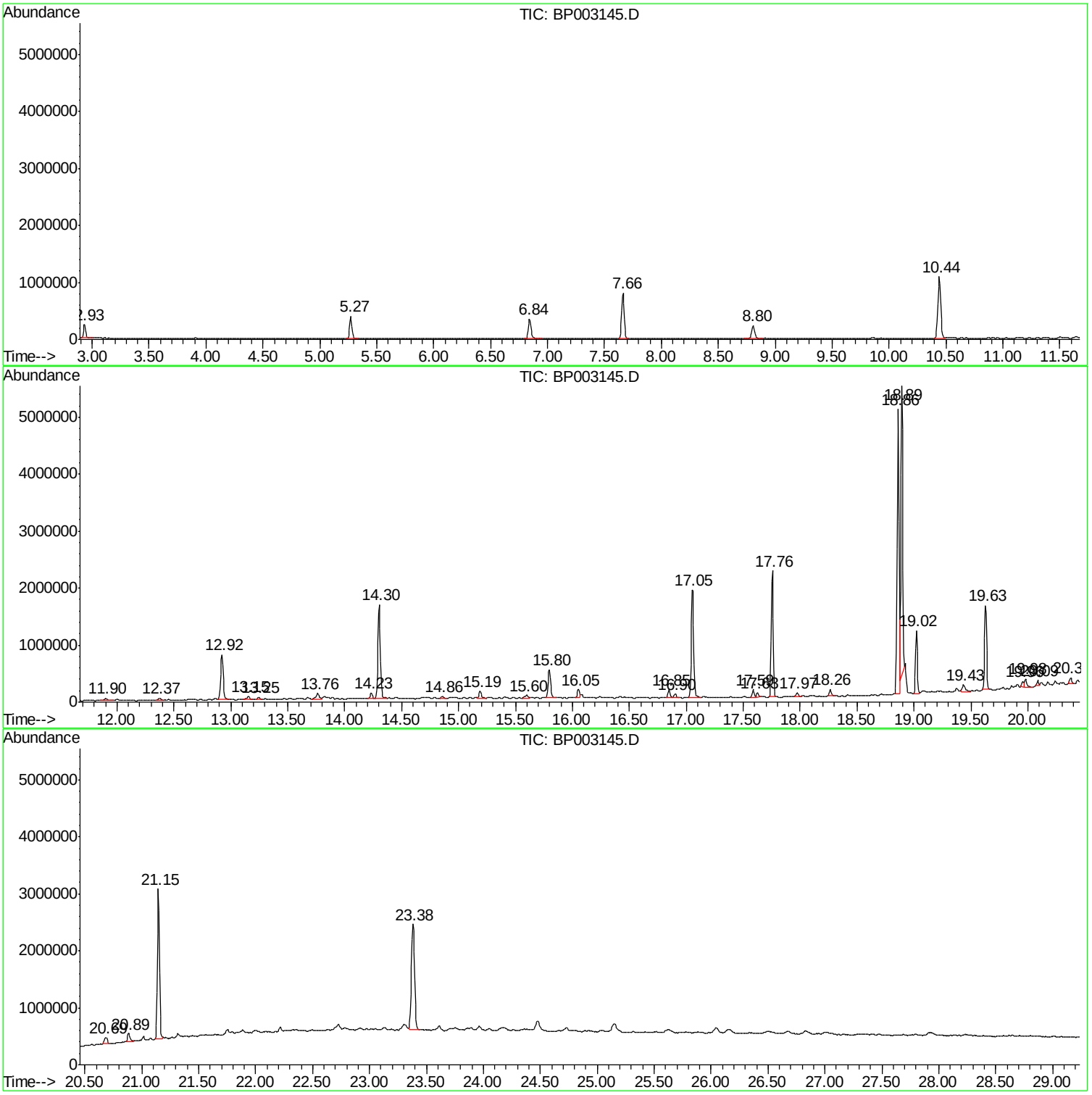
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP082720\
Data File : BP003145.D
Acq On : 27 Aug 2020 22:39
Operator : CG/JU
Sample : L3498-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** HR-06-082620

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP082720\
Data File : BP003145.D
Acq On : 27 Aug 2020 22:39
Operator : CG/JU
Sample : L3498-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** HR-06-082620

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

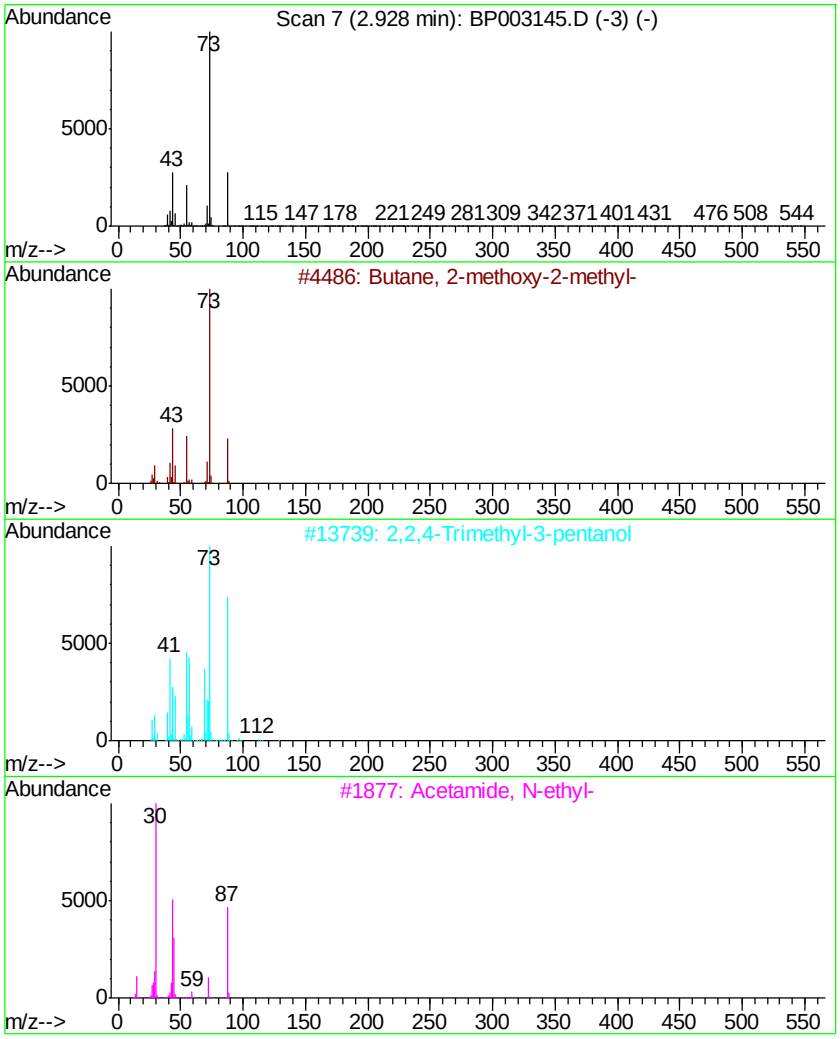
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

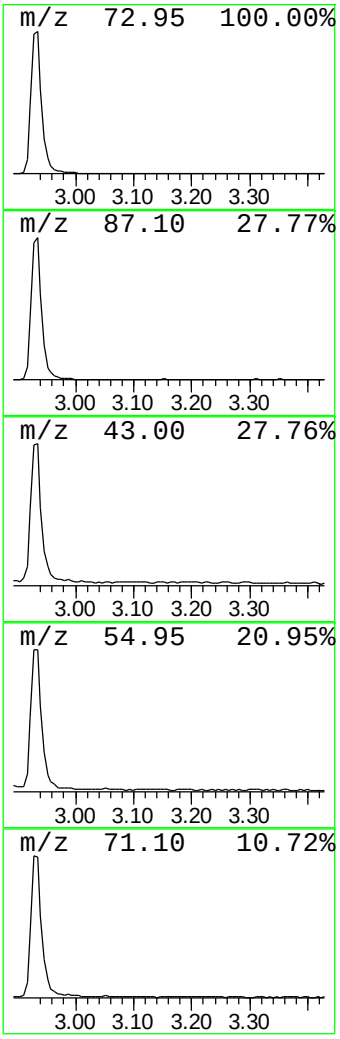
**********

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.93 | 4.95 ng | 312022 | 1,4-Dichlorobenzene-d4 | 7.66 |

| 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 | 40 |
| 3 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 9 |
| 4 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 5 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 9 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP082720\
Data File : BP003145.D
Acq On : 27 Aug 2020 22:39
Operator : CG/JU
Sample : L3498-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** HR-06-082620

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

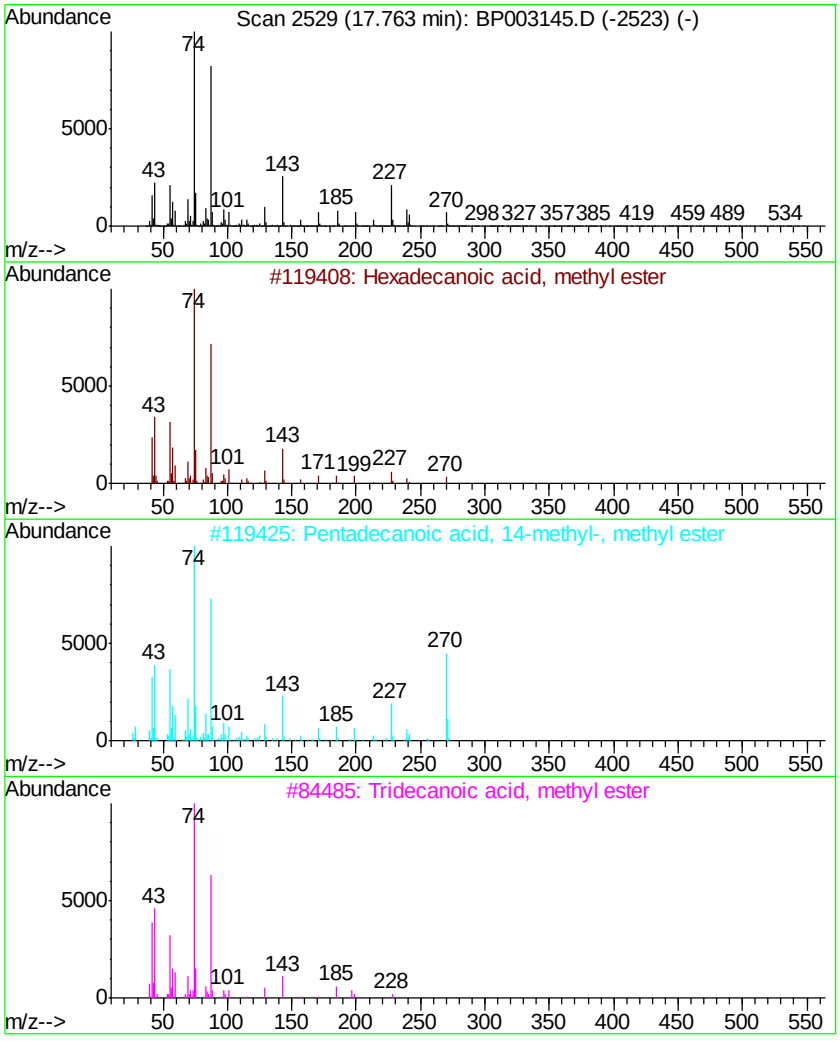
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

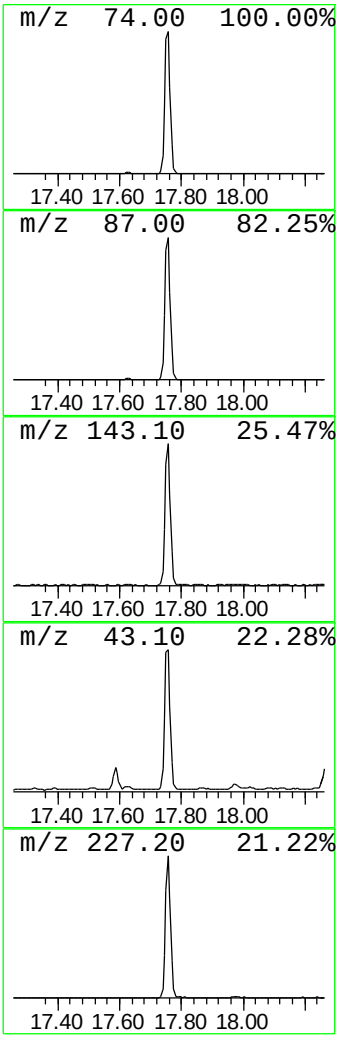
**********

Peak Number 2 Hexadecanoic acid, methyl e... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.76 | 18.47 ng | 2636490 | Phenanthrene-d10 | 17.05 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecanoic acid, methyl ester | 270 | C17H34O2 | 000112-39-0 | 97 |
| 2 | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 90 |
| 3 | Tridecanoic acid, methyl ester | 228 | C14H28O2 | 001731-88-0 | 90 |
| 4 | Methyl tetradecanoate | 242 | C15H30O2 | 000124-10-7 | 87 |
| 5 | Methyl 9-methyltetradecanoate | 256 | C16H32O2 | 213617-69-7 | 83 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP082720\
Data File : BP003145.D
Acq On : 27 Aug 2020 22:39
Operator : CG/JU
Sample : L3498-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** HR-06-082620

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

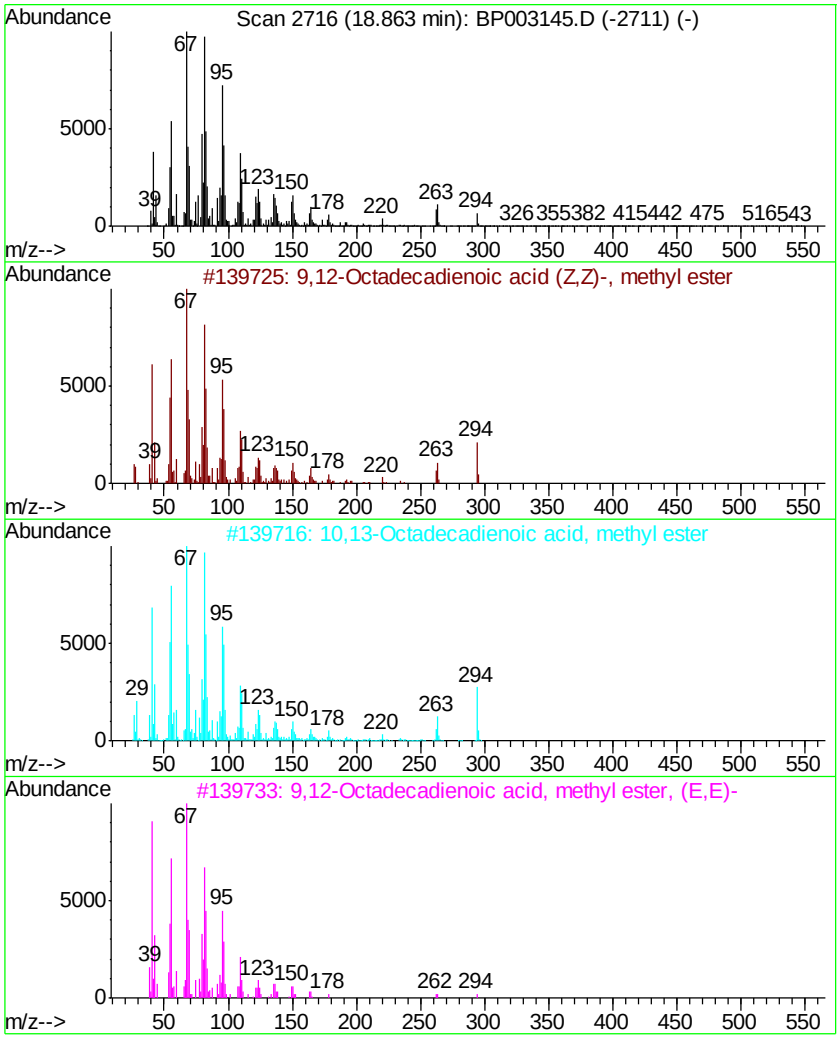
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

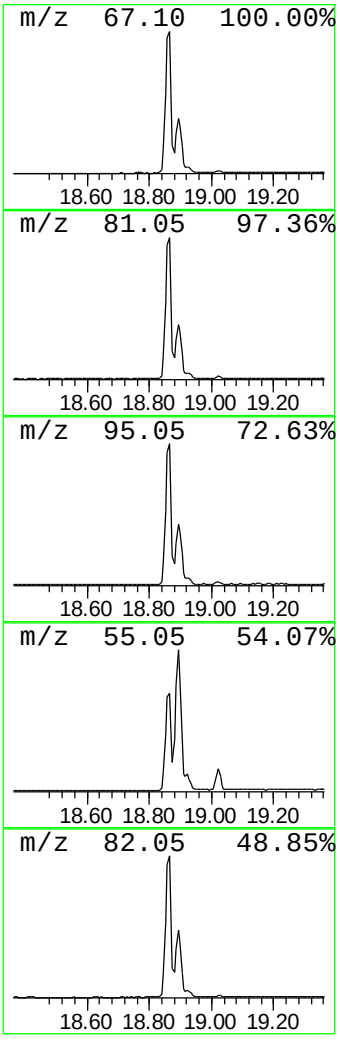
**********

Peak Number 3 9,12-Octadecadienoic acid (... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.86 | 42.75 ng | 6100950 | Phenanthrene-d10 | 17.05 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,12-Octadecadienoic acid (Z,Z)-... | 294 | C19H34O2 | 000112-63-0 | 99 |
| 2 | 10,13-Octadecadienoic acid, meth... | 294 | C19H34O2 | 056554-62-2 | 99 |
| 3 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002566-97-4 | 99 |
| 4 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002462-85-3 | 99 |
| 5 | Methyl 9-cis,11-trans-octadecadi... | 294 | C19H34O2 | 1000336-44-0 | 99 |



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Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** HR-06-082620

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

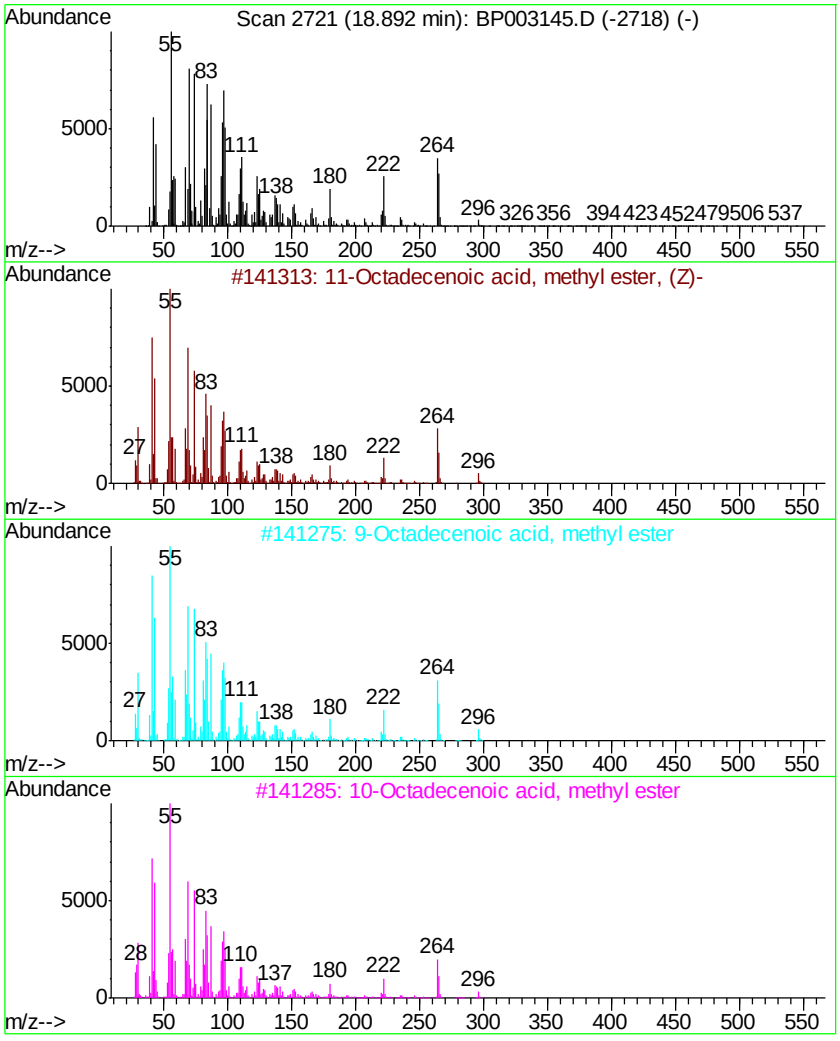
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

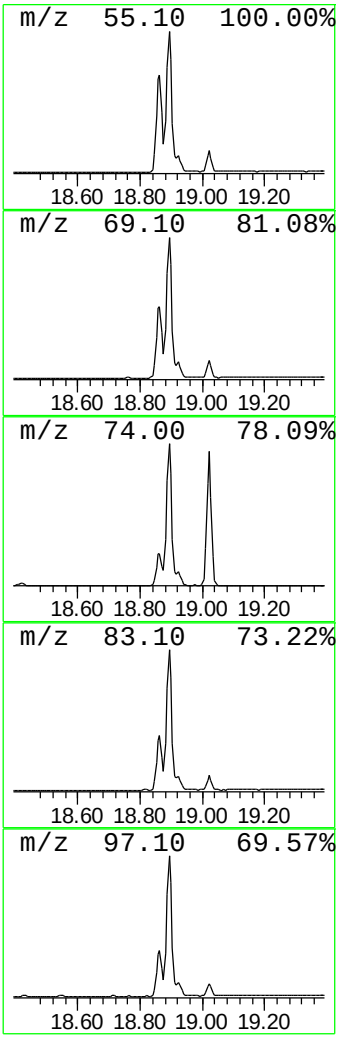
**********

Peak Number 4 11-Octadecenoic acid, methy... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.89 | 40.96 ng | 5846020 | Phenanthrene-d10 | 17.05 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11-Octadecenoic acid, methyl est... | 296 | C19H36O2 | 001937-63-9 | 99 |
| 2 | 9-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 002462-84-2 | 99 |
| 3 | 10-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 013481-95-3 | 99 |
| 4 | 13-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-47-3 | 99 |
| 5 | 12-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-46-2 | 99 |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

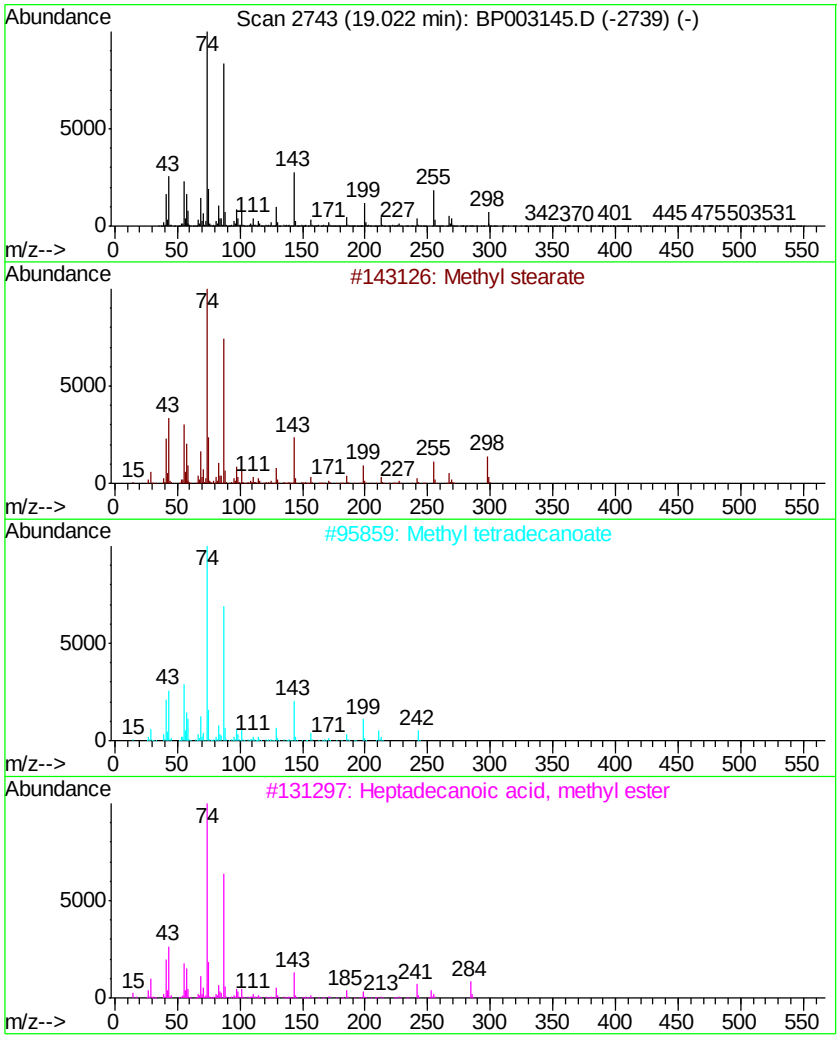
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

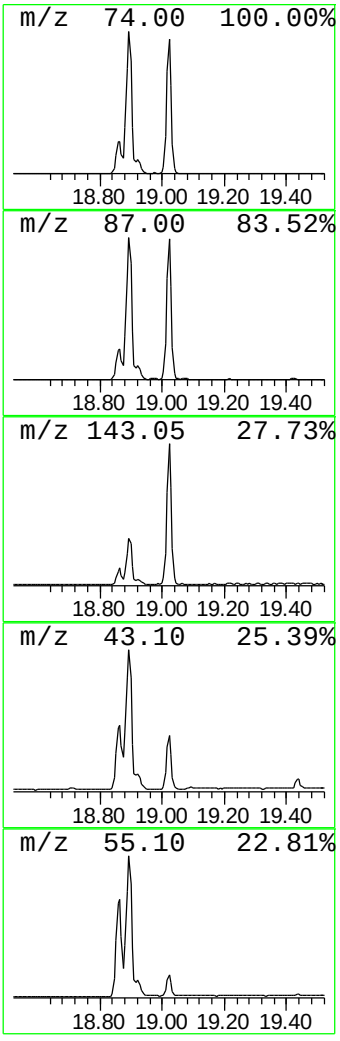
**********

Peak Number 5 Methyl stearate Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.02 | 8.15 ng | 1163800 | Phenanthrene-d10 | 17.05 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methyl stearate | 298 | C19H38O2 | 000112-61-8 | 99 |
| 2 | Methyl tetradecanoate | 242 | C15H30O2 | 000124-10-7 | 93 |
| 3 | Heptadecanoic acid, methyl ester | 284 | C18H36O2 | 001731-92-6 | 80 |
| 4 | Pentadecanoic acid, methyl ester | 256 | C16H32O2 | 007132-64-1 | 80 |
| 5 | Heptadecanoic acid, 16-methyl-, ... | 298 | C19H38O2 | 005129-61-3 | 78 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP082720\
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Acq On : 27 Aug 2020 22:39
Operator : CG/JU
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Misc :
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**ClientSampleId :** HR-06-082620

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Butane, 2-methoxy... | 2.93 | 5.0 | ng | 312022 | 1 | 7.66 | 1259720 | 20.0 |
| Hexadecanoic acid... | 17.76 | 18.5 | ng | 2636490 | 4 | 17.05 | 2854360 | 20.0 |
| 9,12-Octadecadien... | 18.86 | 42.8 | ng | 6100950 | 4 | 17.05 | 2854360 | 20.0 |
| 11-Octadecenoic a... | 18.89 | 41.0 | ng | 5846020 | 4 | 17.05 | 2854360 | 20.0 |
| Methyl stearate | 19.02 | 8.2 | ng | 1163800 | 4 | 17.05 | 2854360 | 20.0 |