LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071915\
Data File : BG017971.D
Acq On : 19 Jul 2015 23:30
Operator : TP/UM
Sample : G2966-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TEPMW-PCB2

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:\HPCHEM1\BNA_G\METHODS\8270-BG071715.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 | 2.788 | 12 | 17 | 25 | rBV | 58909 | 94864 | 1.91% | 0.376% |
| 2 | 2.864 | 25 | 30 | 39 | rVB | 1009029 | 1340446 | 27.00% | 5.306% |
| 3 | 4.733 | 342 | 348 | 354 | rBV2 | 55899 | 82297 | 1.66% | 0.326% |
| 4 | 5.191 | 420 | 426 | 434 | rBV | 483105 | 682461 | 13.75% | 2.701% |
| 5 | 6.766 | 687 | 694 | 703 | rBV | 311850 | 488037 | 9.83% | 1.932% |
| 6 | 7.118 | 747 | 754 | 764 | rBV | 900698 | 1418988 | 28.59% | 5.617% |
| 7 | 7.582 | 827 | 833 | 840 | rBV | 337235 | 521633 | 10.51% | 2.065% |
| 8 | 7.900 | 880 | 887 | 893 | rBV | 814133 | 1282895 | 25.84% | 5.078% |
| 9 | 8.734 | 1022 | 1029 | 1040 | rVB | 657657 | 1120111 | 22.57% | 4.434% |
| 10 | 10.362 | 1298 | 1306 | 1313 | rBV | 484381 | 815833 | 16.44% | 3.229% |
| 11 | 11.930 | 1567 | 1573 | 1578 | rBV2 | 36965 | 66540 | 1.34% | 0.263% |
| 12 | 12.259 | 1620 | 1629 | 1635 | rVB3 | 50498 | 114250 | 2.30% | 0.452% |
| 13 | 12.582 | 1677 | 1684 | 1690 | rBV6 | 32852 | 74278 | 1.50% | 0.294% |
| 14 | 12.859 | 1721 | 1731 | 1738 | rBV | 1896699 | 2893601 | 58.29% | 11.454% |
| 15 | 13.288 | 1800 | 1804 | 1811 | rVB3 | 29916 | 59772 | 1.20% | 0.237% |
| 16 | 13.564 | 1845 | 1851 | 1856 | rBV10 | 21641 | 51644 | 1.04% | 0.204% |
| 17 | 13.705 | 1870 | 1875 | 1880 | rBV | 114473 | 167106 | 3.37% | 0.661% |
| 18 | 13.957 | 1914 | 1918 | 1923 | rVB4 | 44065 | 67900 | 1.37% | 0.269% |
| 19 | 14.239 | 1961 | 1966 | 1974 | rBV2 | 743085 | 1177401 | 23.72% | 4.661% |
| 20 | 15.614 | 2196 | 2200 | 2208 | rVB4 | 76376 | 142333 | 2.87% | 0.563% |
| 21 | 15.738 | 2215 | 2221 | 2233 | rBV | 1555276 | 2202360 | 44.37% | 8.718% |
| 22 | 16.037 | 2268 | 2272 | 2277 | rVB | 82305 | 113831 | 2.29% | 0.451% |
| 23 | 16.995 | 2429 | 2435 | 2443 | rVB2 | 1013965 | 1399399 | 28.19% | 5.539% |
| 24 | 17.912 | 2587 | 2591 | 2600 | rBV2 | 171987 | 280671 | 5.65% | 1.111% |
| 25 | 19.204 | 2807 | 2811 | 2820 | rBV2 | 109155 | 162789 | 3.28% | 0.644% |
| 26 | 19.645 | 2880 | 2886 | 2895 | rBV | 3898164 | 4963930 | 100.00% | 19.649% |
| 27 | 20.526 | 3033 | 3036 | 3041 | rVB | 59833 | 69807 | 1.41% | 0.276% |
| 28 | 20.920 | 3100 | 3103 | 3111 | rBV | 127074 | 171627 | 3.46% | 0.679% |
| 29 | 21.196 | 3145 | 3150 | 3157 | rVB | 1261063 | 1617083 | 32.58% | 6.401% |
| 30 | 23.411 | 3520 | 3527 | 3536 | rBV2 | 845891 | 1618582 | 32.61% | 6.407% |

Sum of corrected areas: 25262469

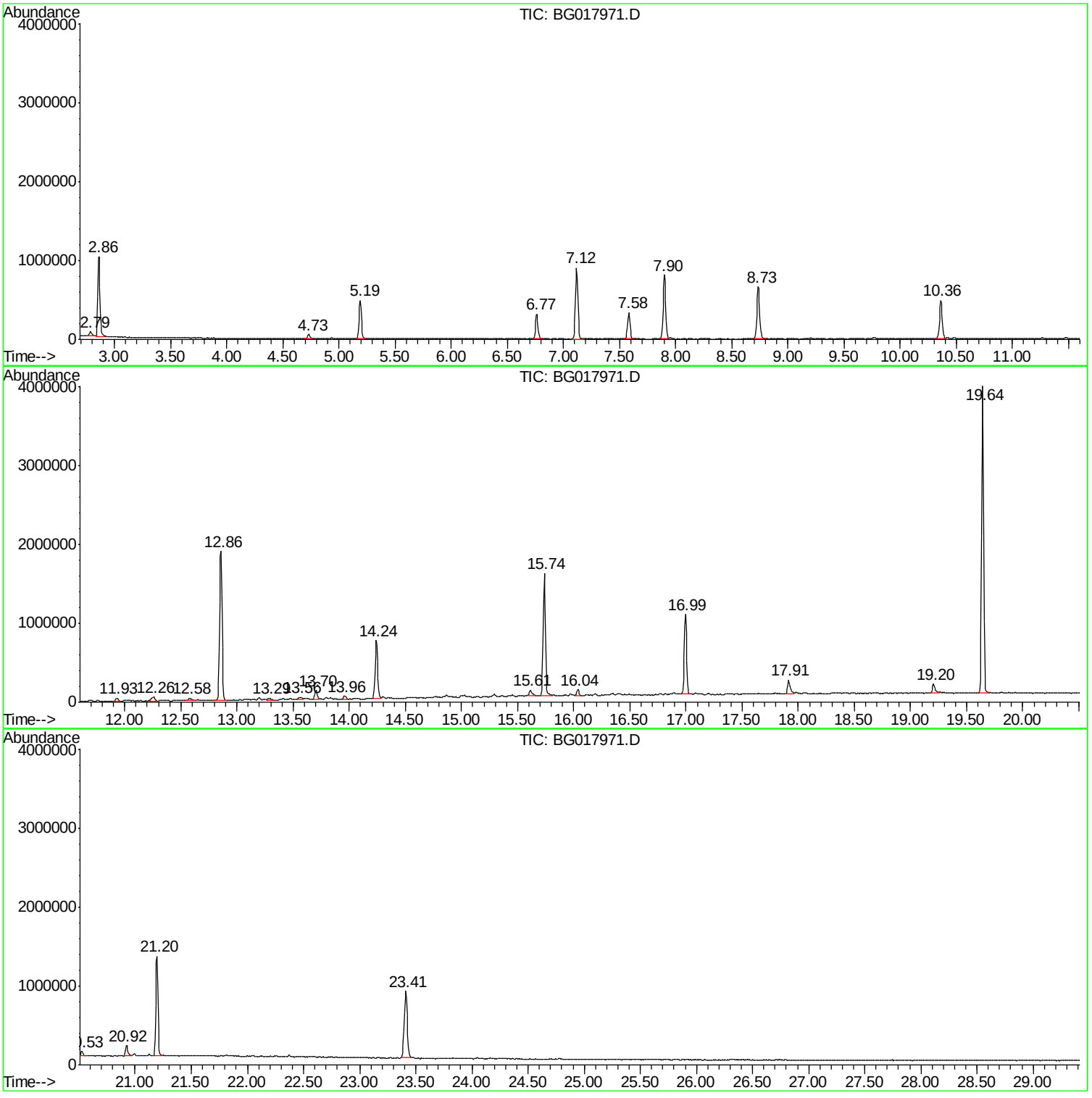
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071915\
Data File : BG017971.D
Acq On : 19 Jul 2015 23:30
Operator : TP/UM
Sample : G2966-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TEPMW-PCB2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071915\
Data File : BG017971.D
Acq On : 19 Jul 2015 23:30
Operator : TP/UM
Sample : G2966-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TEPMW-PCB2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

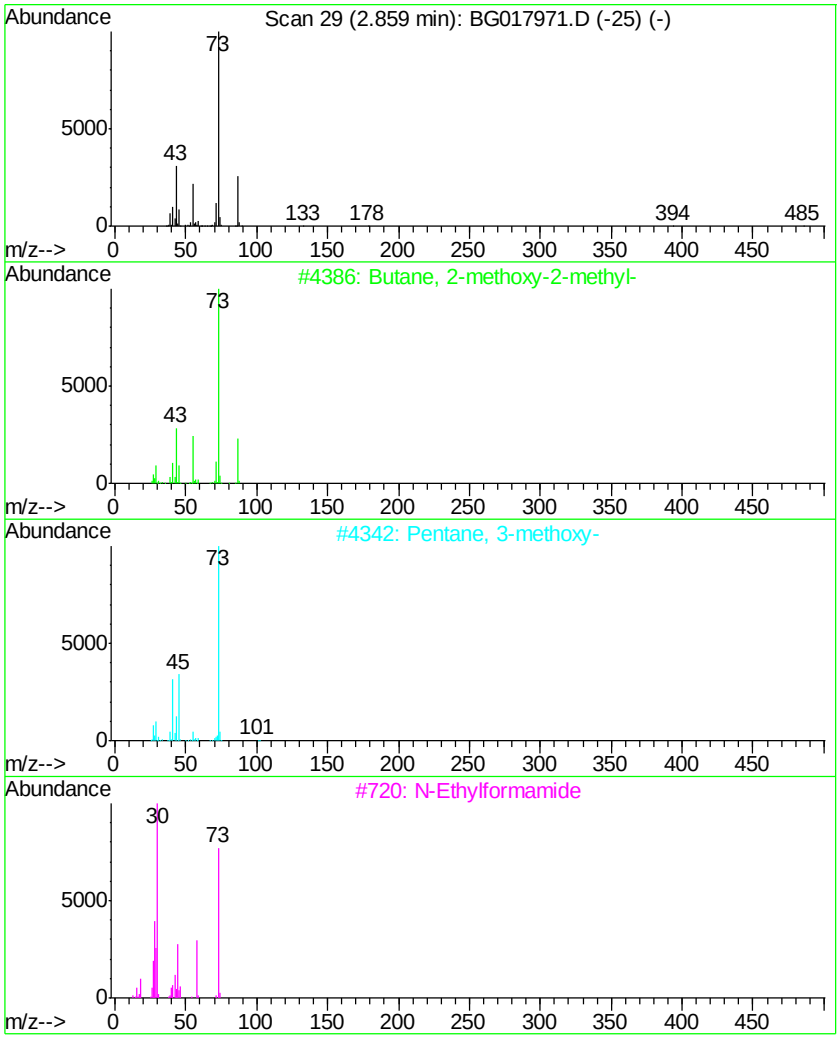
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

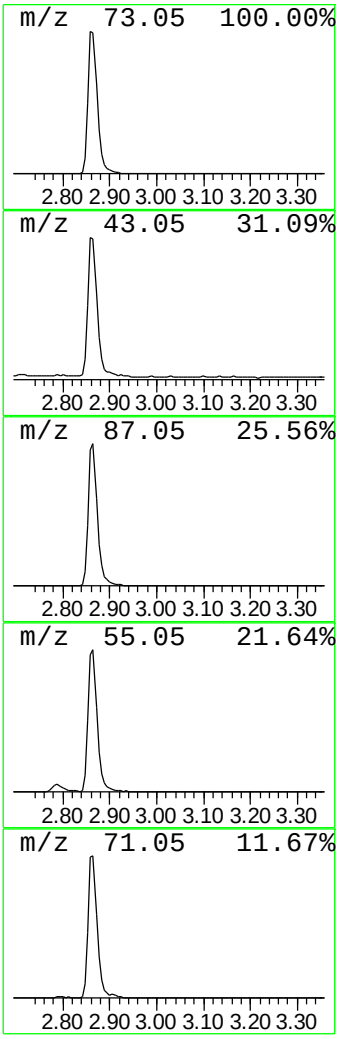
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.86 | 51.39 ng | 1340450 | 1,4-Dichlorobenzene-d4 | 7.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 86 |
| 2 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 25 |
| 3 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 4 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 9 |
| 5 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 9 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071915\
Data File : BG017971.D
Acq On : 19 Jul 2015 23:30
Operator : TP/UM
Sample : G2966-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TEPMW-PCB2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

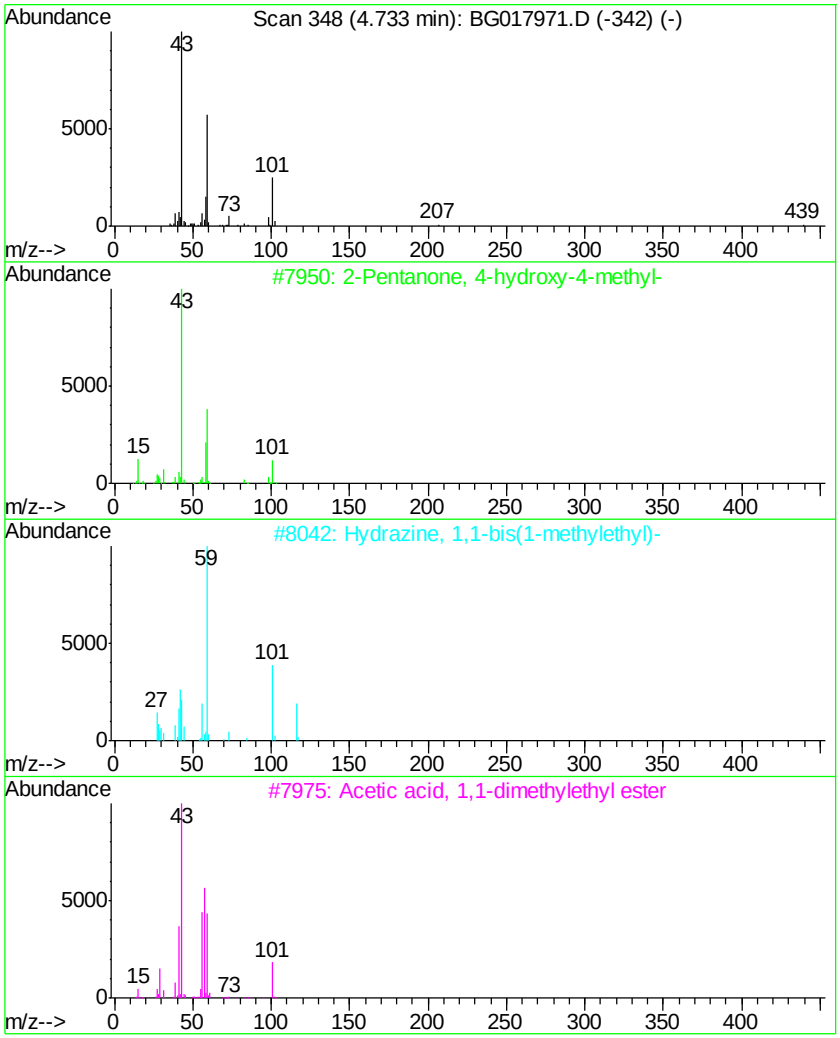
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

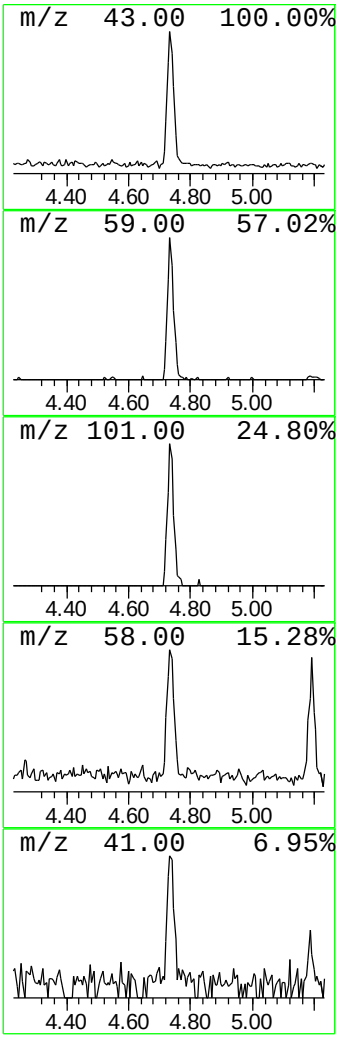
**********

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.73 | 3.16 ng | 82297 | 1,4-Dichlorobenzene-d4 | 7.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 53 |
| 2 | Hydrazine, 1,1-bis(1-methylethyl)- | 116 | C6H16N2 | 000921-14-2 | 38 |
| 3 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 38 |
| 4 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 35 |
| 5 | 4-Ethyl-3-octanol | 158 | C10H22O | 019781-26-1 | 32 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071915\
Data File : BG017971.D
Acq On : 19 Jul 2015 23:30
Operator : TP/UM
Sample : G2966-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TEPMW-PCB2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

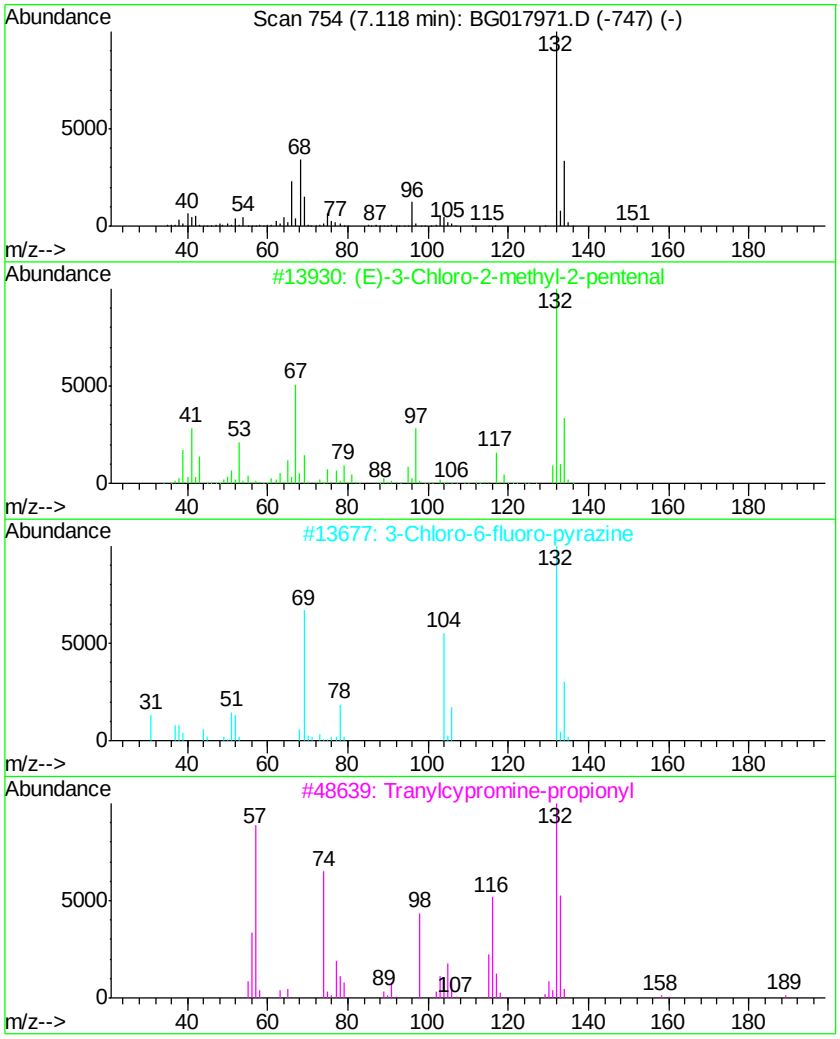
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

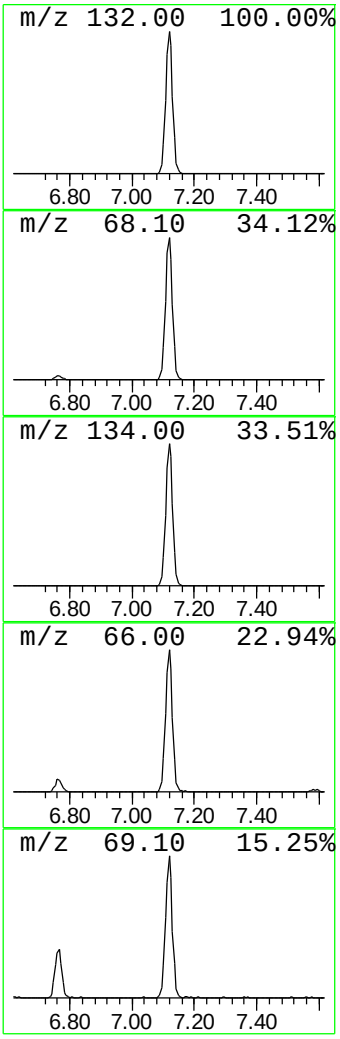
**********

Peak Number 4 unknown7.12 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.12 | 54.41 ng | 1418990 | 1,4-Dichlorobenzene-d4 | 7.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 35 |
| 2 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 25 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 4 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 9 |
| 5 | 4-Chloro-2-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-00-5 | 9 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071915\
Data File : BG017971.D
Acq On : 19 Jul 2015 23:30
Operator : TP/UM
Sample : G2966-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TEPMW-PCB2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

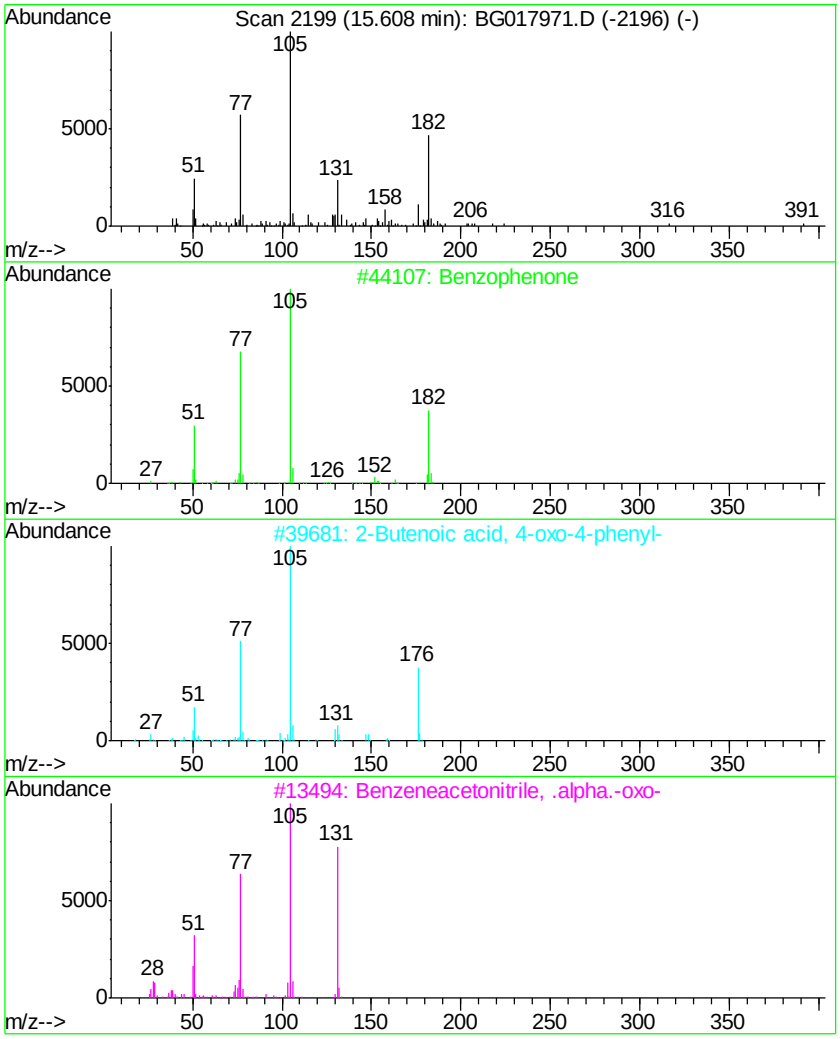
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

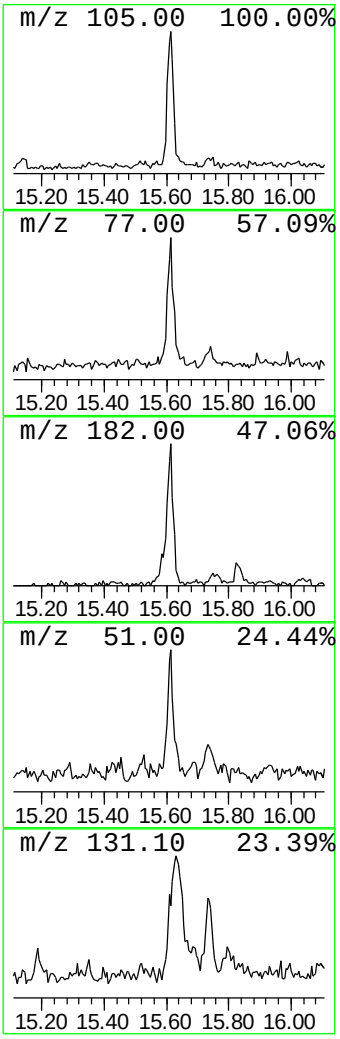
**********

Peak Number 7 Benzophenone Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.61 | 2.42 ng | 142333 | Acenaphthene-d10 | 14.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 58 |
| 2 | 2-Butenoic acid, 4-oxo-4-phenyl- | 176 | C10H8O3 | 000583-06-2 | 43 |
| 3 | Benzeneacetonitrile, .alpha.-oxo- | 131 | C8H5NO | 000613-90-1 | 43 |
| 4 | Butanenitrile, 2,3-bis(benzoylox... | 335 | C18H13N3O4 | 1000269-66-6 | 38 |
| 5 | 7-Benzoyloxybicyclo[2.2.1]hepta-... | 212 | C14H12O2 | 004796-68-3 | 38 |



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071915\
Data File : BG017971.D
Acq On : 19 Jul 2015 23:30
Operator : TP/UM
Sample : G2966-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TEPMW-PCB2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

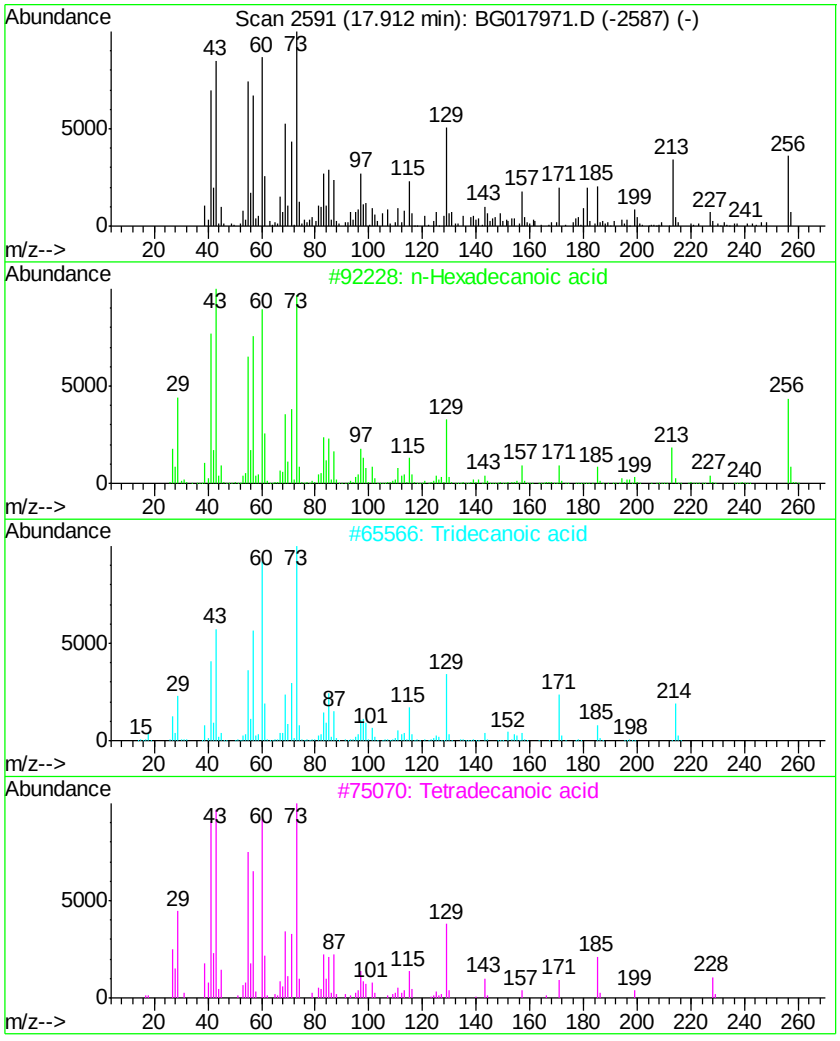
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

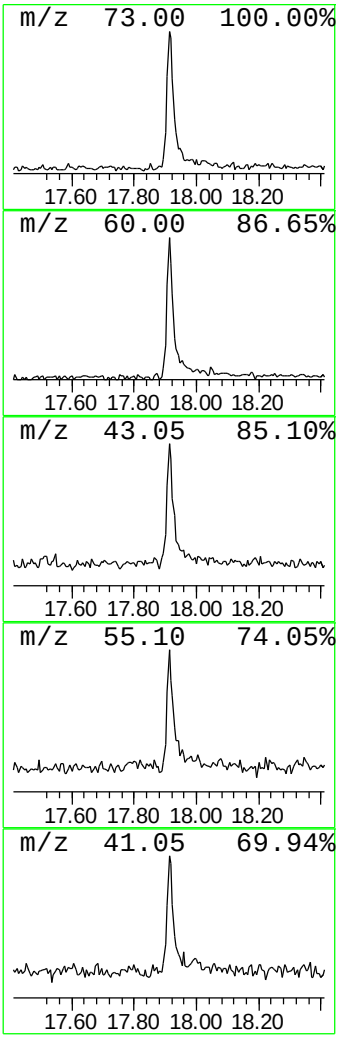
**********

Peak Number 8 n-Hexadecanoic acid Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.91 | 4.01 ng | 280671 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 95 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 64 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 62 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 50 |
| 5 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 49 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071915\
Data File : BG017971.D
Acq On : 19 Jul 2015 23:30
Operator : TP/UM
Sample : G2966-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TEPMW-PCB2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

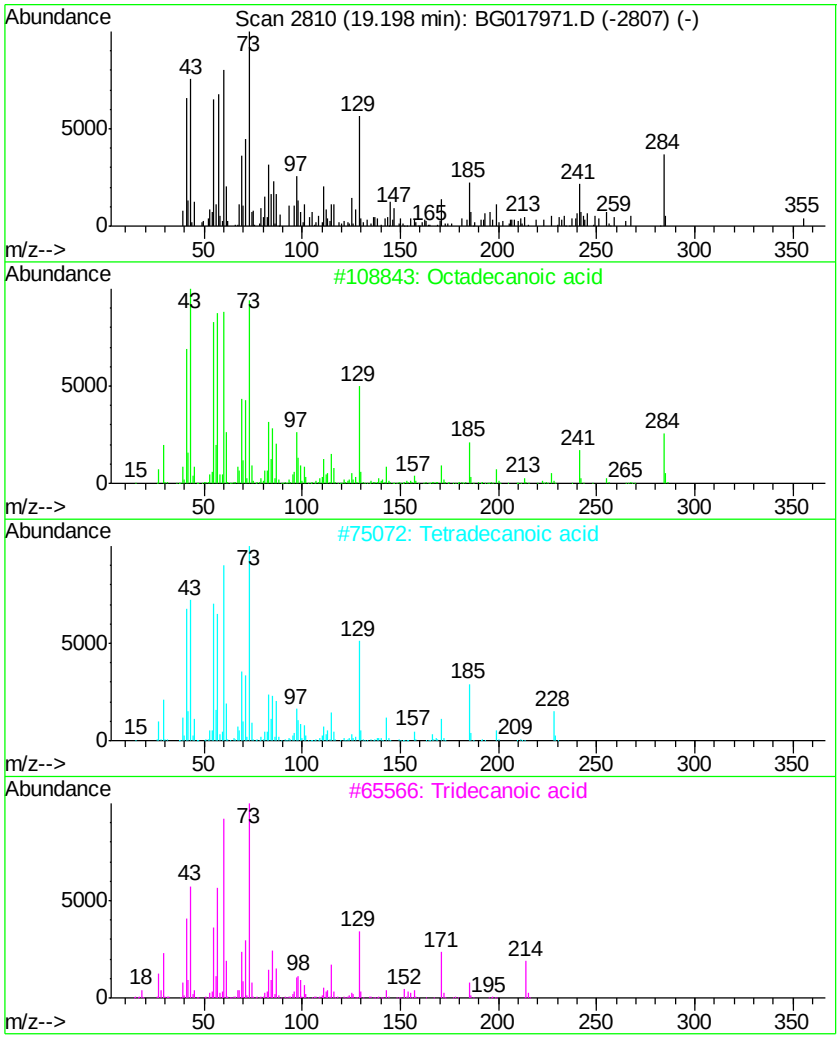
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

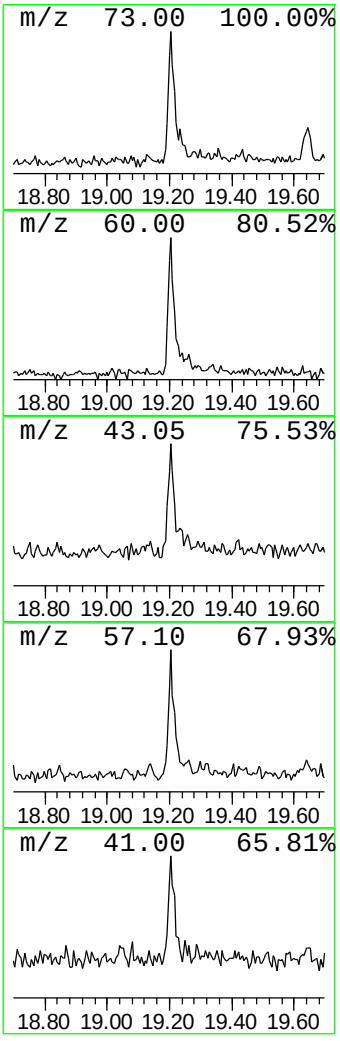
**********

Peak Number 9 Octadecanoic acid Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.20 | 2.01 ng | 162789 | Chrysene-d12 | 21.20 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 98 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 62 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 58 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 55 |
| 5 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 49 |



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Data File : BG017971.D
Acq On : 19 Jul 2015 23:30
Operator : TP/UM
Sample : G2966-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TEPMW-PCB2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

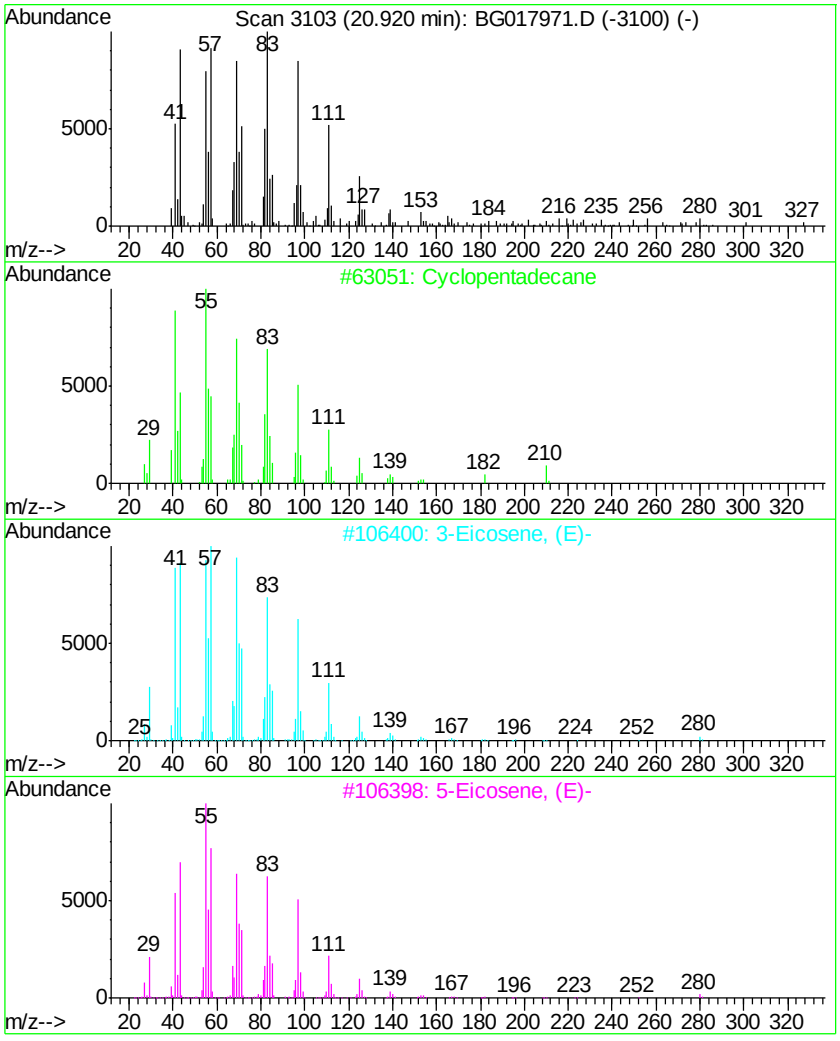
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

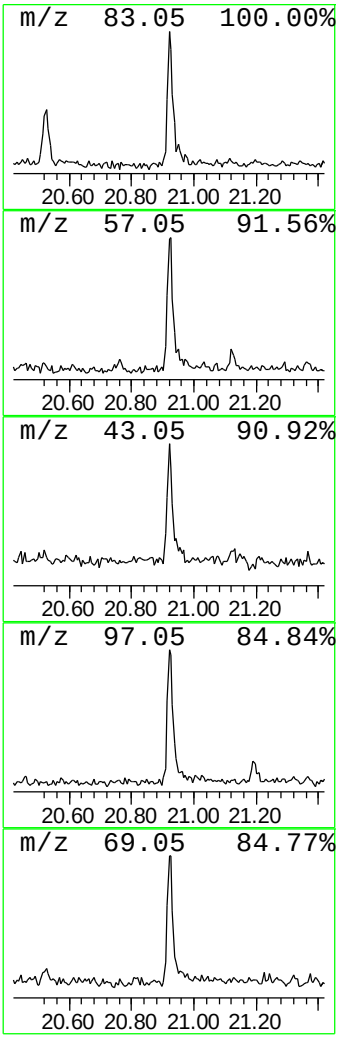
**********

Peak Number 10 Cyclopentadecane Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.92 | 2.12 ng | 171627 | Chrysene-d12 | 21.20 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentadecane | 210 | C15H30 | 000295-48-7 | 93 |
| 2 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 92 |
| 3 | 5-Eicosene, (E)- | 280 | C20H40 | 074685-30-6 | 91 |
| 4 | Bromoacetic acid, octadecyl ester | 390 | C20H39BrO2 | 018992-03-5 | 87 |
| 5 | 1-Eicosene | 280 | C20H40 | 003452-07-1 | 86 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071915\
Data File : BG017971.D
Acq On : 19 Jul 2015 23:30
Operator : TP/UM
Sample : G2966-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TEPMW-PCB2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Butane, 2-methoxy... | 2.86 | 51.4 | ng | 1340450 | 1 | 7.58 | 521633 | 20.0 |
| 2-Pentanone, 4-hy... | 4.73 | 3.2 | ng | 82297 | 1 | 7.58 | 521633 | 20.0 |
| unknown7.12 | 7.12 | 54.4 | ng | 1418990 | 1 | 7.58 | 521633 | 20.0 |
| Benzophenone | 15.61 | 2.4 | ng | 142333 | 3 | 14.24 | 1177400 | 20.0 |
| n-Hexadecanoic acid | 17.91 | 4.0 | ng | 280671 | 4 | 16.99 | 1399400 | 20.0 |
| Octadecanoic acid | 19.20 | 2.0 | ng | 162789 | 5 | 21.20 | 1617080 | 20.0 |
| Cyclopentadecane | 20.92 | 2.1 | ng | 171627 | 5 | 21.20 | 1617080 | 20.0 |