LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042315\
Data File : BG016672.D
Acq On : 24 Apr 2015 4:24
Operator : TP/IZ
Sample : G1950-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PS-20(5-10)

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-BG042315.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 | 2.755 | 6 | 11 | 16 | rBV | 120395 | 153416 | 5.22% | 0.890% |
| 2 | 2.802 | 16 | 19 | 30 | rVB | 21748 | 29995 | 1.02% | 0.174% |
| 3 | 4.706 | 337 | 343 | 355 | rVB | 158818 | 223825 | 7.61% | 1.299% |
| 4 | 5.188 | 419 | 425 | 436 | rBV | 899118 | 1304817 | 44.36% | 7.571% |
| 5 | 6.797 | 692 | 699 | 711 | rBV | 967388 | 1427406 | 48.52% | 8.283% |
| 6 | 7.138 | 750 | 757 | 764 | rBV | 977446 | 1475322 | 50.15% | 8.561% |
| 7 | 7.596 | 828 | 835 | 842 | rBV | 210898 | 316074 | 10.74% | 1.834% |
| 8 | 7.914 | 882 | 889 | 899 | rBV | 729685 | 1109874 | 37.73% | 6.440% |
| 9 | 8.754 | 1025 | 1032 | 1046 | rBV | 515056 | 840364 | 28.57% | 4.876% |
| 10 | 10.381 | 1302 | 1309 | 1319 | rBV | 283571 | 462326 | 15.72% | 2.683% |
| 11 | 12.867 | 1725 | 1732 | 1743 | rBV | 1394620 | 2010739 | 68.35% | 11.668% |
| 12 | 13.713 | 1870 | 1876 | 1885 | rBV | 72475 | 107024 | 3.64% | 0.621% |
| 13 | 14.247 | 1960 | 1967 | 1980 | rBV2 | 406216 | 604992 | 20.57% | 3.511% |
| 14 | 15.740 | 2215 | 2221 | 2238 | rBV | 867825 | 1224575 | 41.63% | 7.106% |
| 15 | 16.991 | 2428 | 2434 | 2443 | rBV2 | 530158 | 734881 | 24.98% | 4.264% |
| 16 | 17.902 | 2583 | 2589 | 2602 | rBV3 | 67766 | 129005 | 4.39% | 0.749% |
| 17 | 19.189 | 2803 | 2808 | 2820 | rBV6 | 21332 | 57041 | 1.94% | 0.331% |
| 18 | 19.629 | 2877 | 2883 | 2893 | rBV | 2372357 | 2941684 | 100.00% | 17.069% |
| 19 | 20.898 | 3094 | 3099 | 3109 | rBV2 | 77011 | 145247 | 4.94% | 0.843% |
| 20 | 21.098 | 3129 | 3133 | 3138 | rBV | 31904 | 36918 | 1.25% | 0.214% |
| 21 | 21.181 | 3141 | 3147 | 3157 | rVV | 705313 | 865613 | 29.43% | 5.023% |
| 22 | 21.750 | 3240 | 3244 | 3247 | rBV | 25174 | 31753 | 1.08% | 0.184% |
| 23 | 22.332 | 3339 | 3343 | 3347 | rBV | 28190 | 37028 | 1.26% | 0.215% |
| 24 | 22.702 | 3402 | 3406 | 3411 | rVB2 | 24311 | 36621 | 1.24% | 0.212% |
| 25 | 23.260 | 3497 | 3501 | 3509 | rVB4 | 21544 | 36765 | 1.25% | 0.213% |
| 26 | 23.384 | 3515 | 3522 | 3534 | rVB | 459622 | 850941 | 28.93% | 4.938% |
| 27 | 23.889 | 3604 | 3608 | 3617 | rVB7 | 19857 | 39419 | 1.34% | 0.229% |

Sum of corrected areas: 17233665

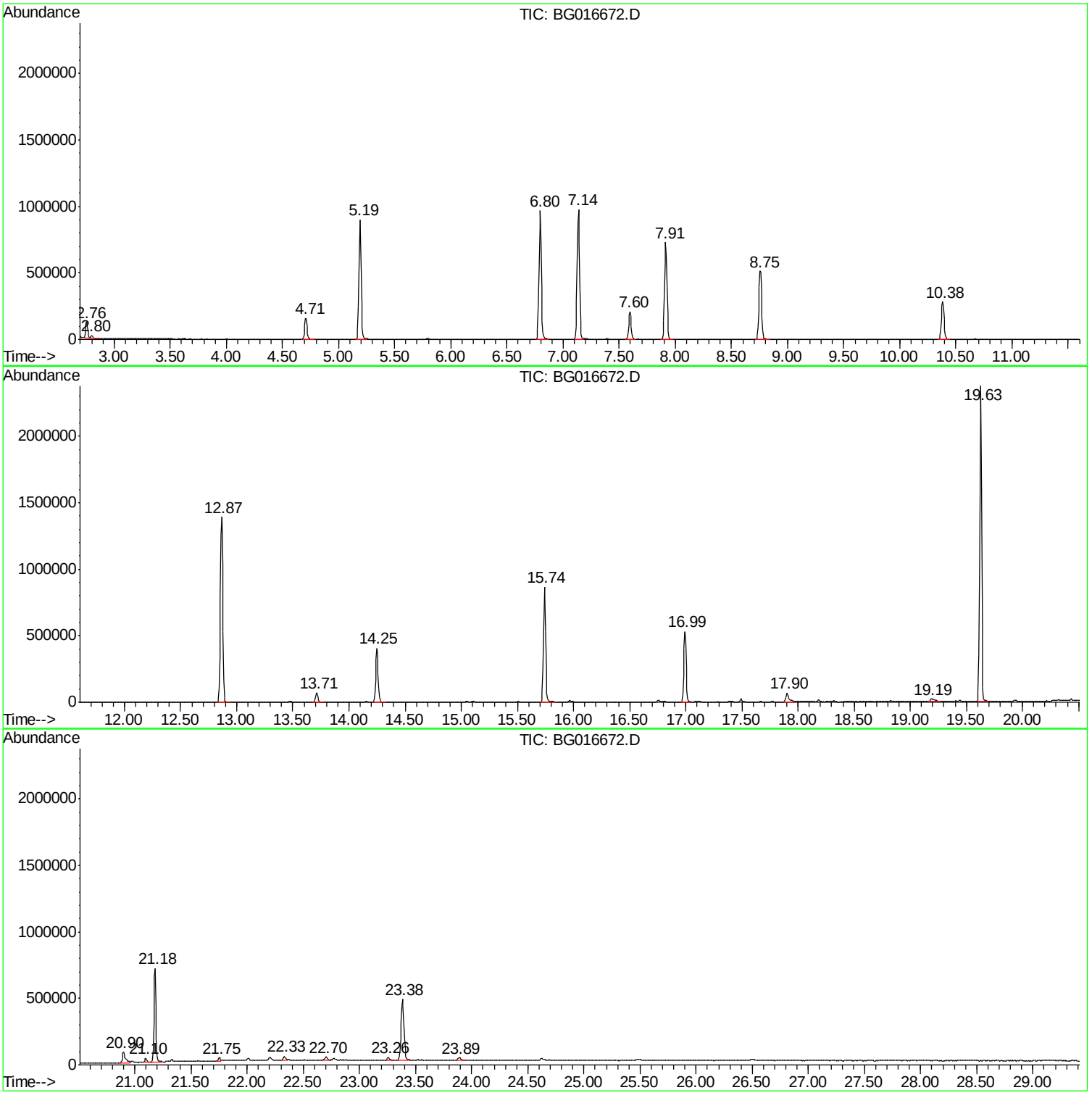
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042315\
Data File : BG016672.D
Acq On : 24 Apr 2015 4:24
Operator : TP/IZ
Sample : G1950-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PS-20(5-10)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.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\BG042315\
Data File : BG016672.D
Acq On : 24 Apr 2015 4:24
Operator : TP/IZ
Sample : G1950-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PS-20(5-10)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

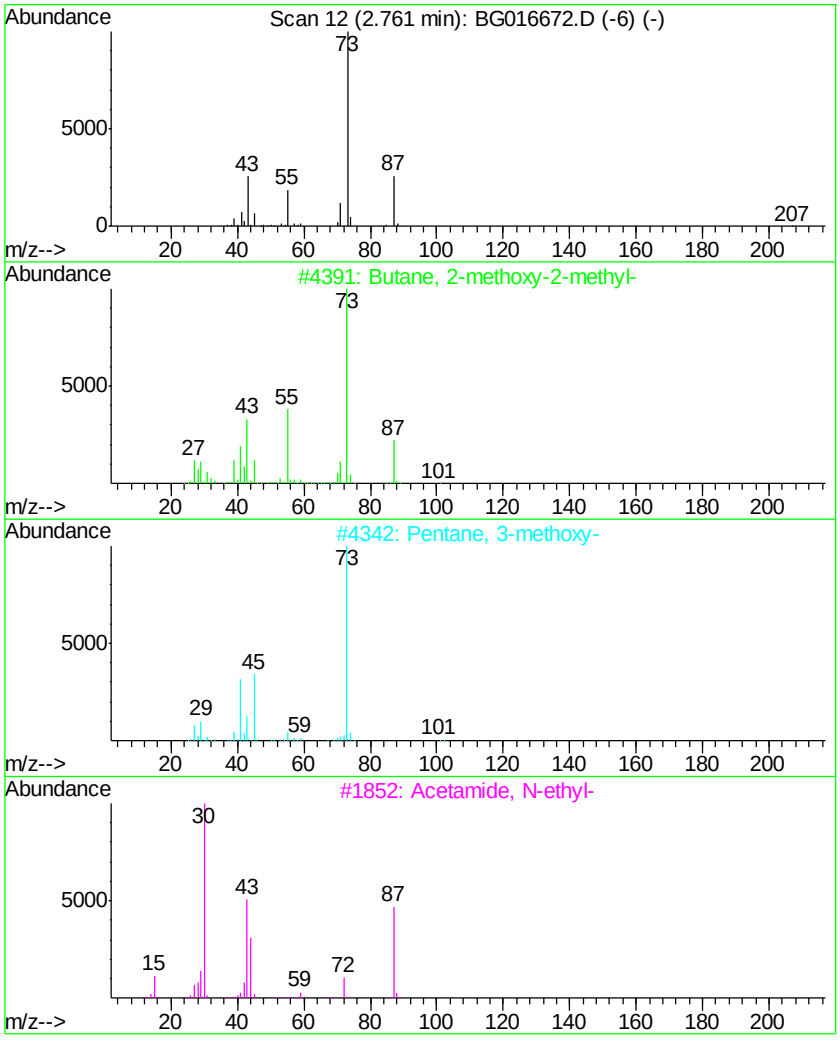
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

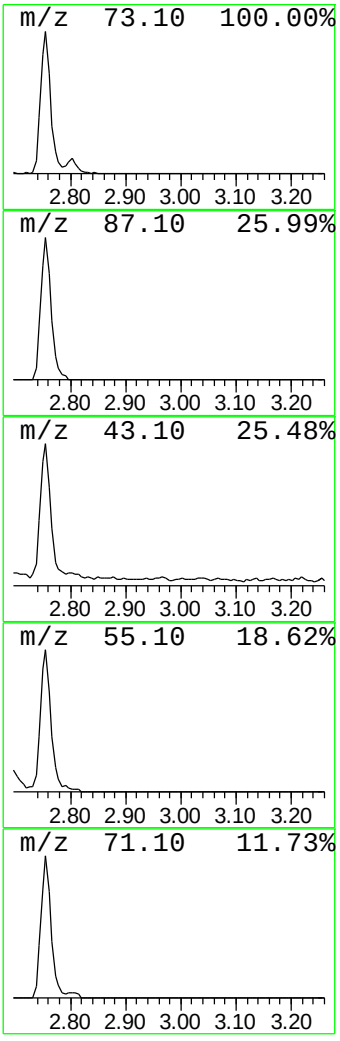
**********

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.76 | 9.71 ng | 153416 | 1,4-Dichlorobenzene-d4 | 7.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 56 |
| 2 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 12 |
| 3 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 9 |
| 4 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 5 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 9 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042315\
Data File : BG016672.D
Acq On : 24 Apr 2015 4:24
Operator : TP/IZ
Sample : G1950-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PS-20(5-10)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

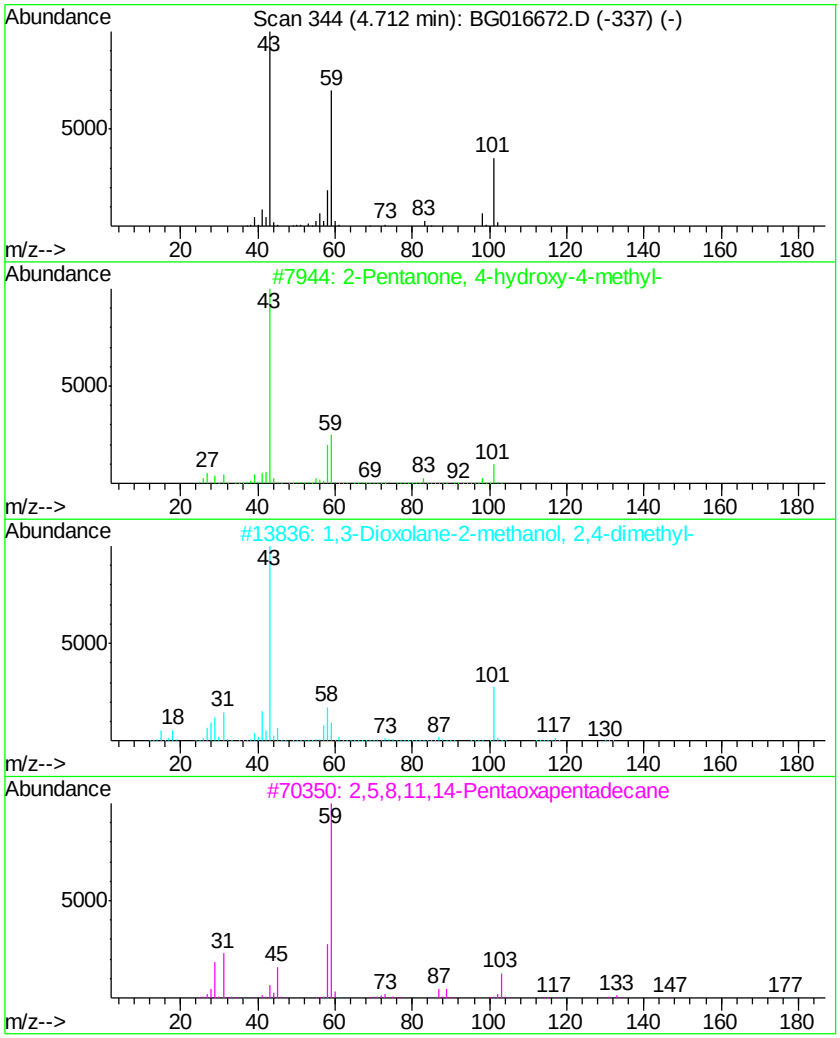
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

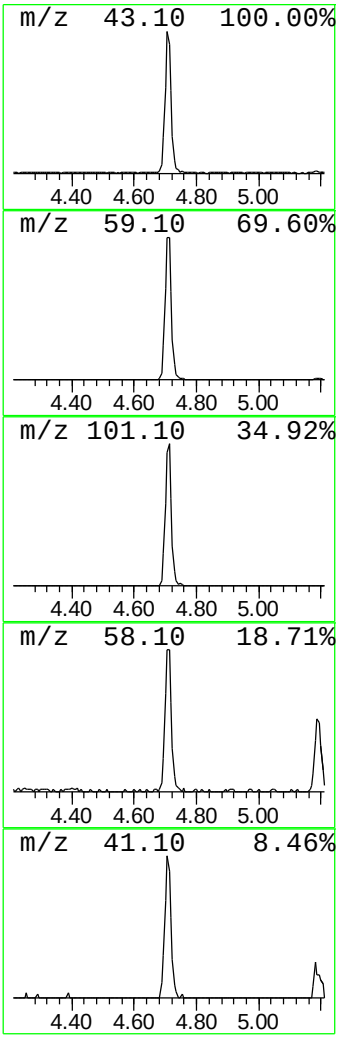
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.71 | 14.16 ng | 223825 | 1,4-Dichlorobenzene-d4 | 7.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 59 |
| 2 | 1,3-Dioxolane-2-methanol, 2,4-di... | 132 | C6H12O3 | 053951-43-2 | 25 |
| 3 | 2,5,8,11,14-Pentaoxapentadecane | 222 | C10H22O5 | 000143-24-8 | 25 |
| 4 | 4-Hydroxy-3-hexanone | 116 | C6H12O2 | 004984-85-4 | 23 |
| 5 | 2,5,8,11-Tetraoxadodecane | 178 | C8H18O4 | 000112-49-2 | 23 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042315\
Data File : BG016672.D
Acq On : 24 Apr 2015 4:24
Operator : TP/IZ
Sample : G1950-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PS-20(5-10)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

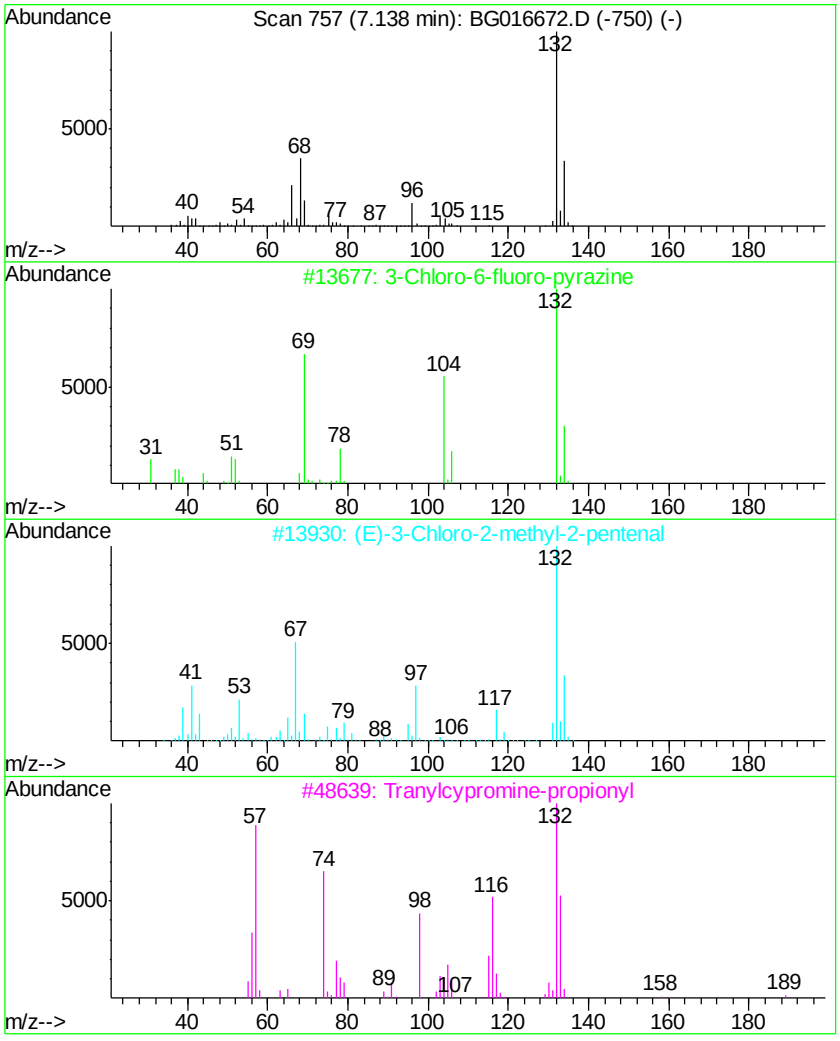
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

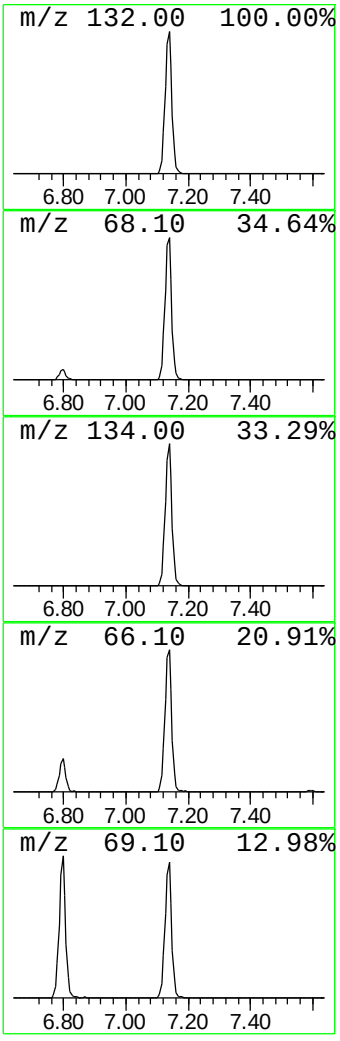
**********

Peak Number 3 unknown7.14 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.14 | 93.35 ng | 1475320 | 1,4-Dichlorobenzene-d4 | 7.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 38 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 35 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 4 | Amphetaminil | 250 | C17H18N2 | 017590-01-1 | 12 |
| 5 | Benzene, 1,3,5-trifluoro- | 132 | C6H3F3 | 000372-38-3 | 9 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042315\
Data File : BG016672.D
Acq On : 24 Apr 2015 4:24
Operator : TP/IZ
Sample : G1950-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PS-20(5-10)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

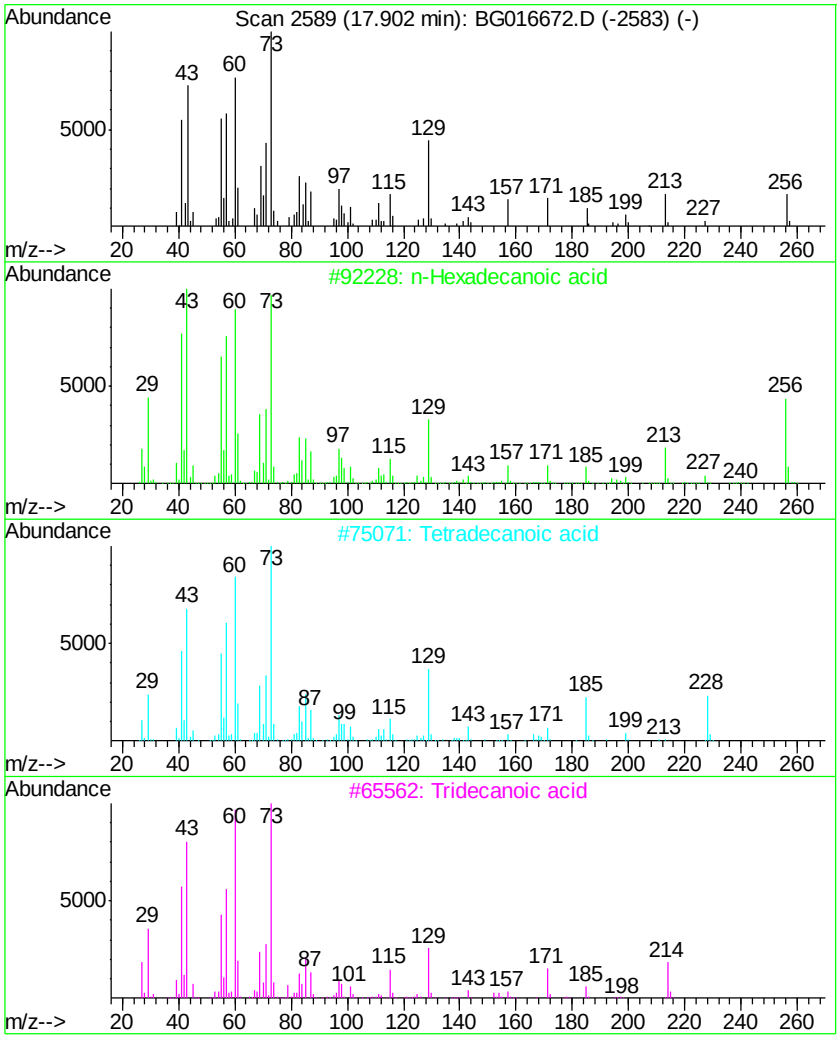
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

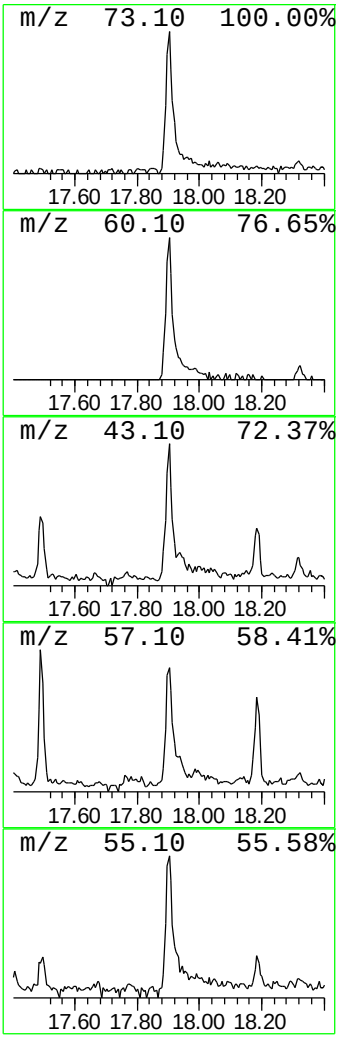
**********

Peak Number 5 n-Hexadecanoic acid Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.90 | 3.51 ng | 129005 | Phenanthrene-d10 | 16.99 |

| 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 | 72 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 64 |
| 4 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 47 |
| 5 | Dodecane, 1-fluoro- | 188 | C12H25F | 000334-68-9 | 14 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042315\
Data File : BG016672.D
Acq On : 24 Apr 2015 4:24
Operator : TP/IZ
Sample : G1950-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PS-20(5-10)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

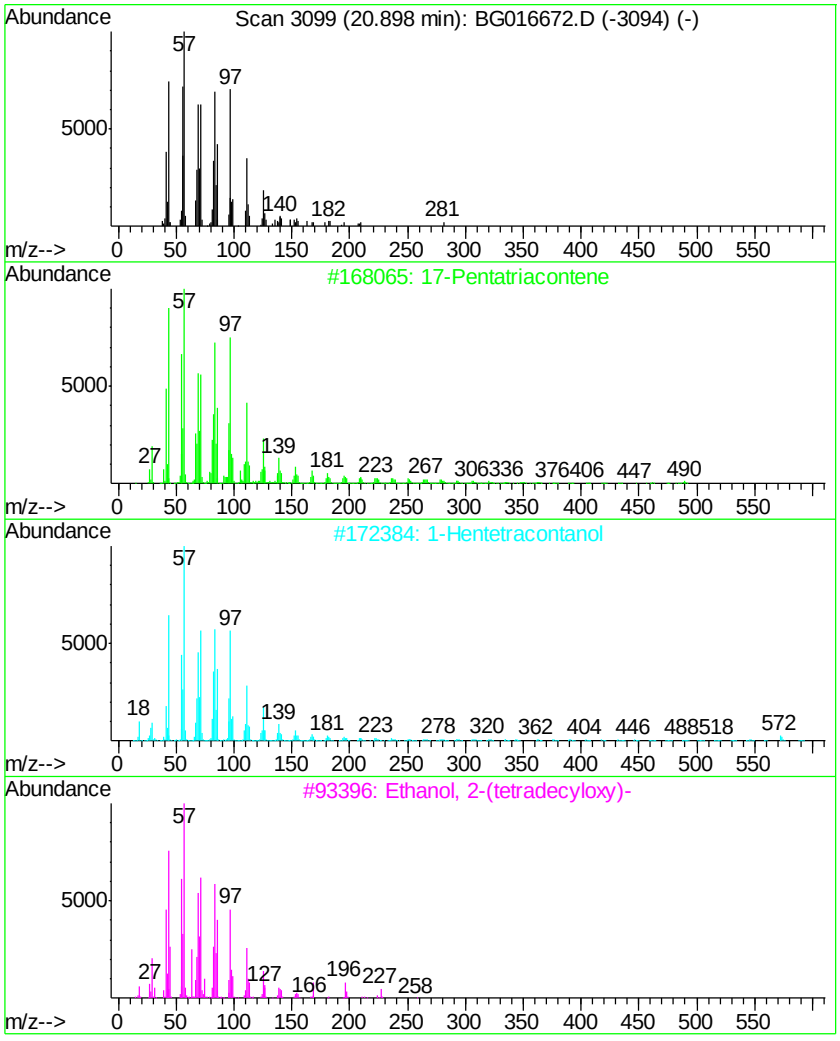
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

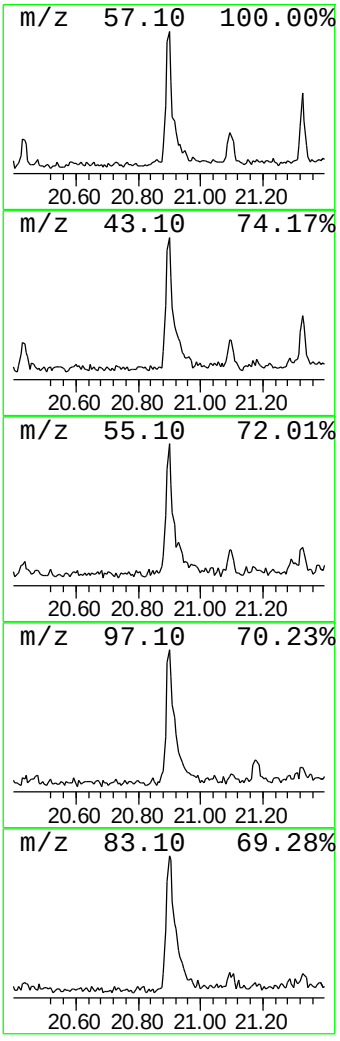
**********

Peak Number 6 17-Pentatriacontene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.90 | 3.36 ng | 145247 | Chrysene-d12 | 21.18 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 17-Pentatriacontene | 491 | C35H70 | 006971-40-0 | 91 |
| 2 | 1-Hentetracontanol | 593 | C41H84O | 040710-42-7 | 91 |
| 3 | Ethanol, 2-(tetradecyloxy)- | 258 | C16H34O2 | 002136-70-1 | 91 |
| 4 | 1-Hexadecanesulfonyl chloride | 324 | C16H33ClO2S | 038775-38-1 | 91 |
| 5 | 1-Hexacosanol | 382 | C26H54O | 000506-52-5 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042315\
Data File : BG016672.D
Acq On : 24 Apr 2015 4:24
Operator : TP/IZ
Sample : G1950-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PS-20(5-10)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.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... | 2.76 | 9.7 | ng | 153416 | 1 | 7.60 | 316074 | 20.0 |
| 2-Pentanone, 4-hy... | 4.71 | 14.2 | ng | 223825 | 1 | 7.60 | 316074 | 20.0 |
| unknown7.14 | 7.14 | 93.3 | ng | 1475320 | 1 | 7.60 | 316074 | 20.0 |
| n-Hexadecanoic acid | 17.90 | 3.5 | ng | 129005 | 4 | 16.99 | 734881 | 20.0 |
| 17-Pentatriacontene | 20.90 | 3.4 | ng | 145247 | 5 | 21.18 | 865613 | 20.0 |