LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060319\
Data File : BG041042.D
Acq On : 3 Jun 2019 20:03
Operator : HP/JU
Sample : K3097-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 0433-HR-13(HACKENSACK)

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_G\METHODS\8270-BG052919.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 | 3.124 | 3 | 6 | 15 | rVB | 121368 | 224472 | 6.32% | 0.754% |
| 2 | 3.206 | 15 | 20 | 35 | rVB | 433998 | 655739 | 18.47% | 2.202% |
| 3 | 5.656 | 430 | 437 | 450 | rBV | 1283705 | 2063206 | 58.13% | 6.928% |
| 4 | 7.266 | 702 | 711 | 724 | rBV | 1404042 | 2495060 | 70.29% | 8.378% |
| 5 | 7.648 | 767 | 776 | 785 | rBV | 1280547 | 2269606 | 63.94% | 7.621% |
| 6 | 8.118 | 848 | 856 | 866 | rVB | 260651 | 439387 | 12.38% | 1.475% |
| 7 | 8.441 | 903 | 911 | 920 | rBV | 852411 | 1460006 | 41.13% | 4.902% |
| 8 | 9.299 | 1048 | 1057 | 1065 | rBV | 812490 | 1479878 | 41.69% | 4.969% |
| 9 | 10.938 | 1328 | 1336 | 1349 | rVB | 350705 | 635767 | 17.91% | 2.135% |
| 10 | 13.370 | 1741 | 1750 | 1759 | rBV | 1774056 | 2733798 | 77.02% | 9.180% |
| 11 | 14.187 | 1884 | 1889 | 1897 | rVB | 214996 | 317170 | 8.94% | 1.065% |
| 12 | 14.751 | 1978 | 1985 | 1992 | rBV2 | 573693 | 908344 | 25.59% | 3.050% |
| 13 | 16.232 | 2230 | 2237 | 2245 | rBV | 1870920 | 2901210 | 81.73% | 9.742% |
| 14 | 17.495 | 2443 | 2452 | 2457 | rBV | 741239 | 1147247 | 32.32% | 3.852% |
| 15 | 17.530 | 2457 | 2458 | 2464 | rVB | 37410 | 43153 | 1.22% | 0.145% |
| 16 | 17.624 | 2467 | 2474 | 2478 | rBV | 25797 | 37703 | 1.06% | 0.127% |
| 17 | 18.341 | 2592 | 2596 | 2604 | rBV3 | 125389 | 206445 | 5.82% | 0.693% |
| 18 | 19.263 | 2749 | 2753 | 2759 | rBV2 | 33091 | 49091 | 1.38% | 0.165% |
| 19 | 19.534 | 2794 | 2799 | 2805 | rBV | 250580 | 356949 | 10.06% | 1.199% |
| 20 | 19.610 | 2808 | 2812 | 2818 | rVB6 | 42264 | 76555 | 2.16% | 0.257% |
| 21 | 19.863 | 2850 | 2855 | 2857 | rVV2 | 57541 | 94072 | 2.65% | 0.316% |
| 22 | 19.898 | 2857 | 2861 | 2868 | rVV | 227714 | 349000 | 9.83% | 1.172% |
| 23 | 19.963 | 2868 | 2872 | 2878 | rVB2 | 26914 | 41241 | 1.16% | 0.138% |
| 24 | 20.086 | 2887 | 2893 | 2905 | rVB | 2755901 | 3549579 | 100.00% | 11.919% |
| 25 | 20.215 | 2909 | 2915 | 2921 | rBV6 | 41779 | 100226 | 2.82% | 0.337% |
| 26 | 20.386 | 2940 | 2944 | 2949 | rVB | 109095 | 156192 | 4.40% | 0.524% |
| 27 | 20.486 | 2956 | 2961 | 2965 | rBV | 93457 | 134293 | 3.78% | 0.451% |
| 28 | 20.544 | 2965 | 2971 | 2974 | rVB2 | 41294 | 74409 | 2.10% | 0.250% |
| 29 | 20.679 | 2991 | 2994 | 2998 | rBV | 34631 | 51521 | 1.45% | 0.173% |
| 30 | 20.726 | 2999 | 3002 | 3005 | rBV3 | 28623 | 39815 | 1.12% | 0.134% |
| 31 | 21.367 | 3102 | 3111 | 3119 | rBV5 | 77645 | 225865 | 6.36% | 0.758% |
| 32 | 21.437 | 3119 | 3123 | 3127 | rVB3 | 26677 | 37509 | 1.06% | 0.126% |
| 33 | 21.772 | 3171 | 3180 | 3185 | rBV2 | 773968 | 1580312 | 44.52% | 5.306% |
| 34 | 21.819 | 3185 | 3188 | 3194 | rVB | 147501 | 233145 | 6.57% | 0.783% |

LSC Area Percent Report

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Data File : BG041042.D
Acq On : 3 Jun 2019 20:03
Operator : HP/JU
Sample : K3097-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 0433-HR-13(HACKENSACK)

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_G\METHODS\8270-BG052919.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 21.925 | 3201 | 3206 | 3210 | rVB5 | 37361 | 64427 | 1.82% | 0.216% |
| 36 | 21.972 | 3210 | 3214 | 3219 | rBV7 | 23445 | 54631 | 1.54% | 0.183% |
| 37 | 23.253 | 3427 | 3432 | 3438 | rBV5 | 41177 | 80339 | 2.26% | 0.270% |
| 38 | 23.447 | 3462 | 3465 | 3477 | rVB4 | 43868 | 91659 | 2.58% | 0.308% |
| 39 | 24.040 | 3558 | 3566 | 3570 | rBV2 | 98652 | 293773 | 8.28% | 0.986% |
| 40 | 24.299 | 3607 | 3610 | 3618 | rVB3 | 24166 | 57094 | 1.61% | 0.192% |
| 41 | 24.786 | 3688 | 3693 | 3702 | rVB2 | 60041 | 162454 | 4.58% | 0.545% |
| 42 | 24.939 | 3711 | 3719 | 3732 | rBV | 93189 | 284818 | 8.02% | 0.956% |
| 43 | 25.110 | 3732 | 3748 | 3758 | rBV2 | 404834 | 1325782 | 37.35% | 4.452% |
| 44 | 26.226 | 3934 | 3938 | 3947 | rVB9 | 29734 | 75300 | 2.12% | 0.253% |
| 45 | 28.923 | 4387 | 4397 | 4409 | rBV5 | 26887 | 122953 | 3.46% | 0.413% |

Sum of corrected areas: 29781195

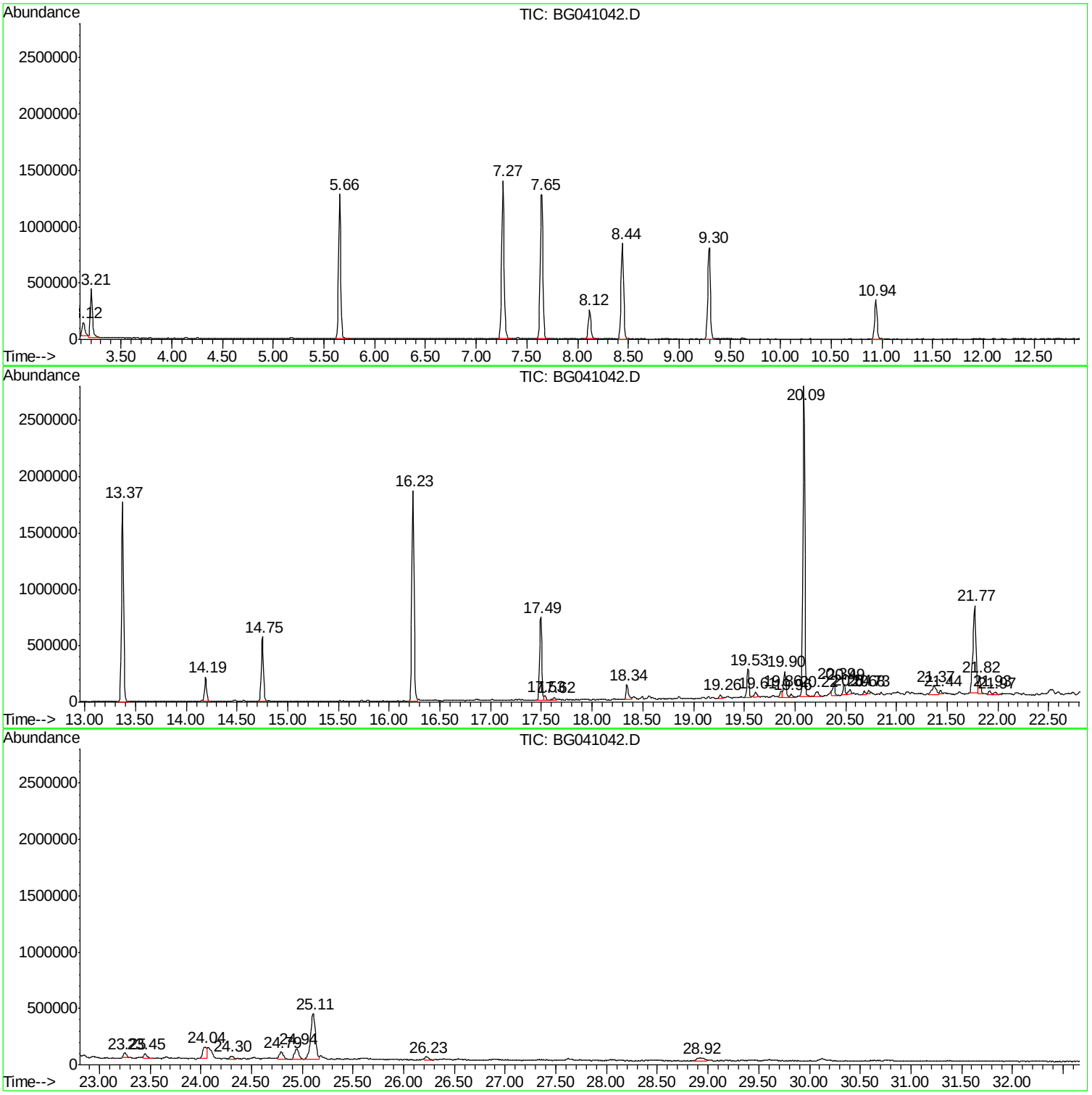
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060319\
Data File : BG041042.D
Acq On : 3 Jun 2019 20:03
Operator : HP/JU
Sample : K3097-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 0433-HR-13(HACKENSACK)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060319\
Data File : BG041042.D
Acq On : 3 Jun 2019 20:03
Operator : HP/JU
Sample : K3097-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 0433-HR-13(HACKENSACK)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

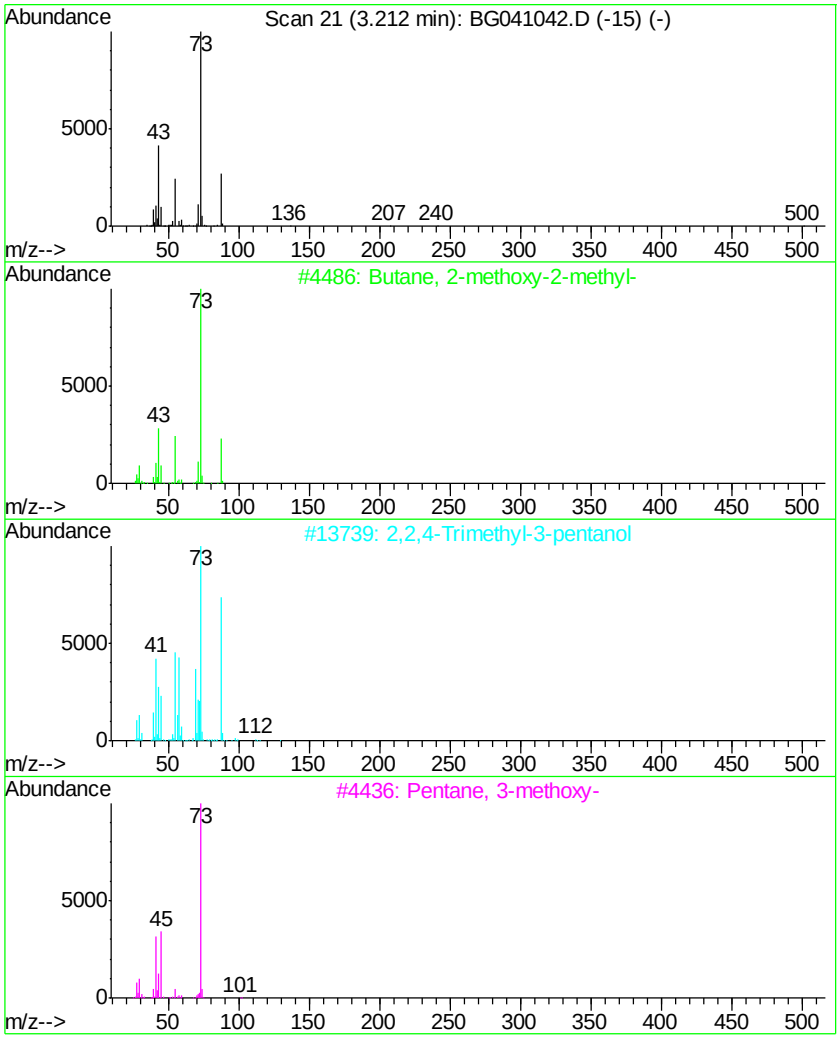
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

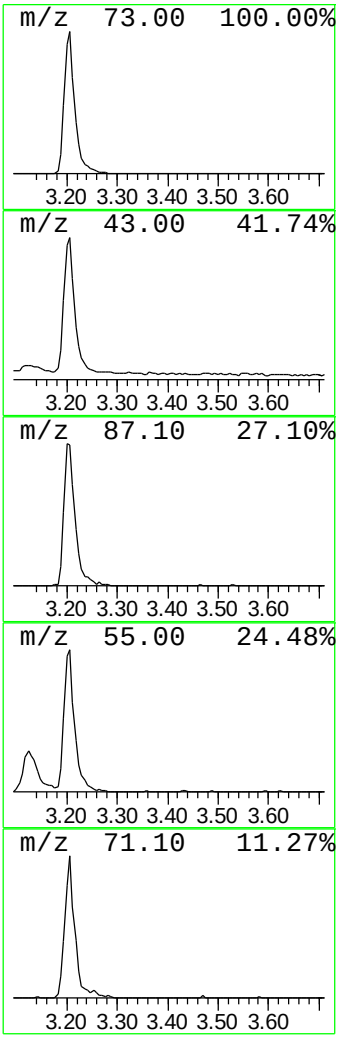
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.21 | 29.85 ng | 655739 | 1,4-Dichlorobenzene-d4 | 8.12 |

| 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 | 38 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 17 |
| 4 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 5 | Silane, ethyltrimethyl- | 102 | C5H14Si | 003439-38-1 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060319\
Data File : BG041042.D
Acq On : 3 Jun 2019 20:03
Operator : HP/JU
Sample : K3097-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 0433-HR-13(HACKENSACK)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

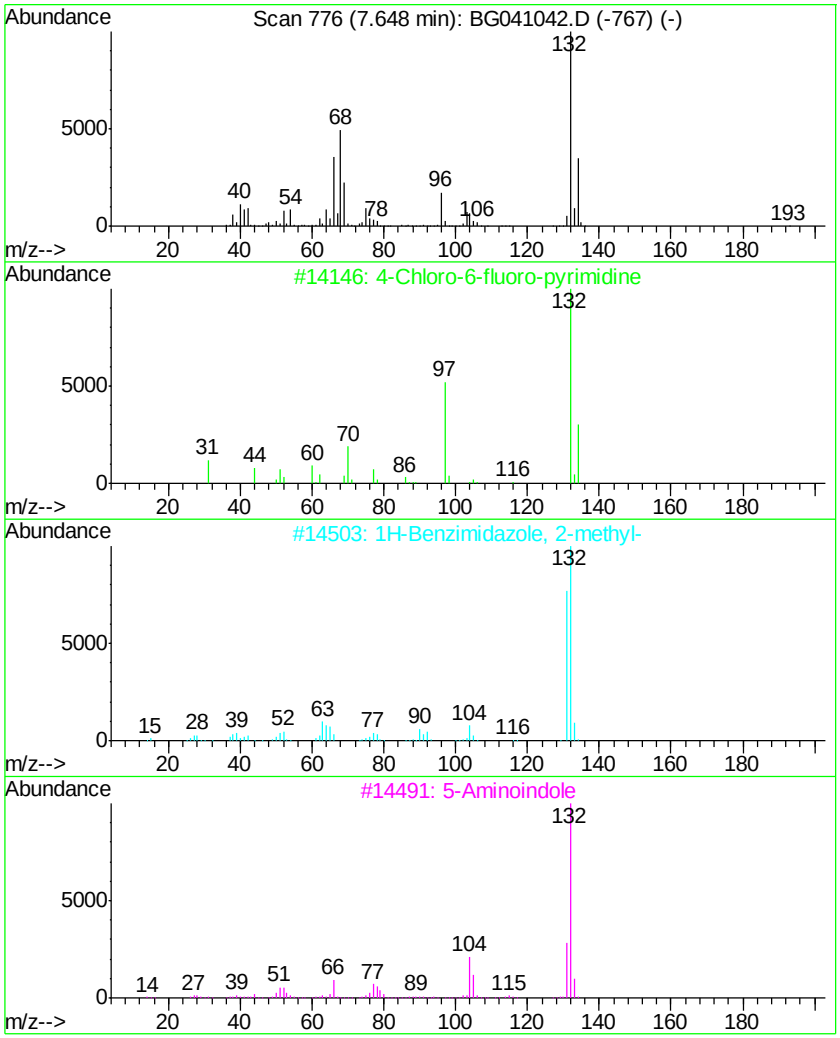
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

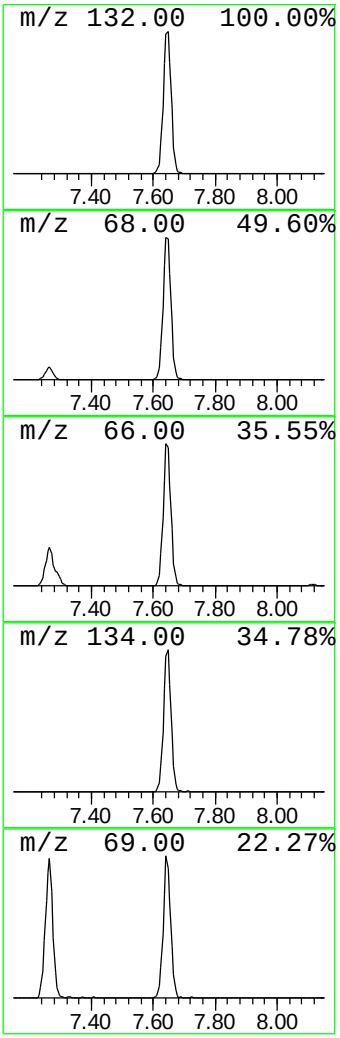
**********

Peak Number 3 unknown7.65 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.65 | 103.31 ng | 2269610 | 1,4-Dichlorobenzene-d4 | 8.12 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 27 |
| 2 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 22 |
| 3 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 22 |
| 4 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 16 |
| 5 | Cyclopropanamine, 1-phenyl- | 133 | C9H11N | 1000351-26-2 | 14 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060319\
Data File : BG041042.D
Acq On : 3 Jun 2019 20:03
Operator : HP/JU
Sample : K3097-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 0433-HR-13(HACKENSACK)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

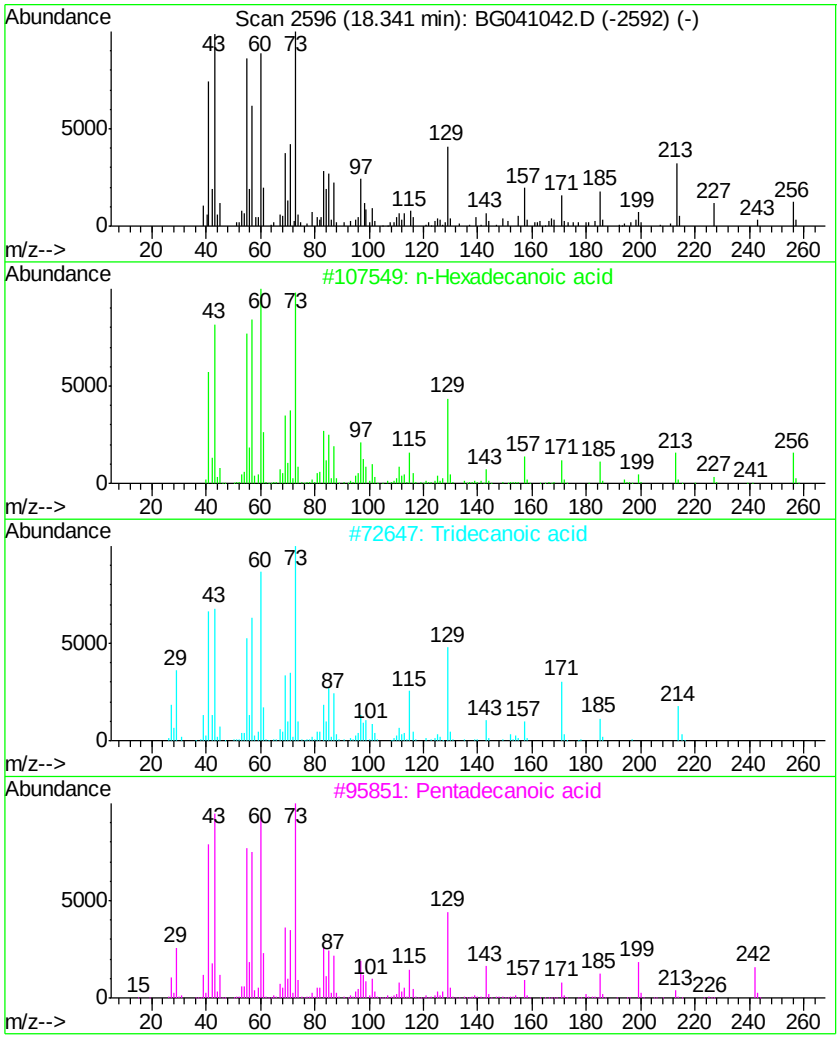
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

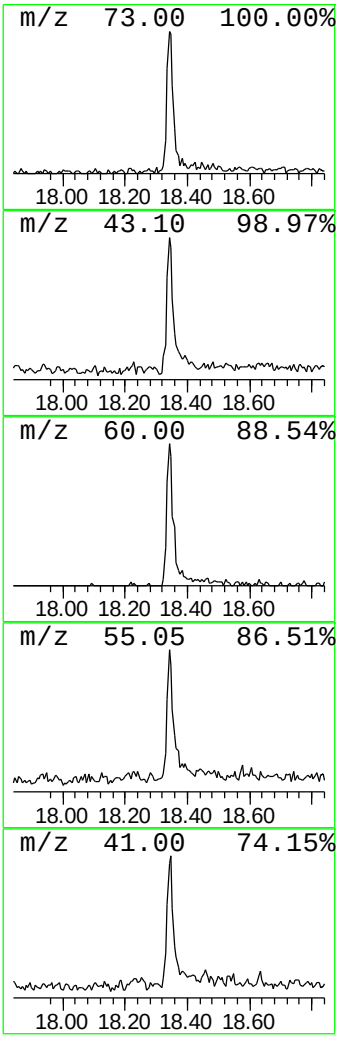
**********

Peak Number 5 n-Hexadecanoic acid Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.34 | 3.60 ng | 206445 | Phenanthrene-d10 | 17.49 |

| 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 | 91 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 83 |
| 4 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 80 |
| 5 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 72 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060319\
Data File : BG041042.D
Acq On : 3 Jun 2019 20:03
Operator : HP/JU
Sample : K3097-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 0433-HR-13(HACKENSACK)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

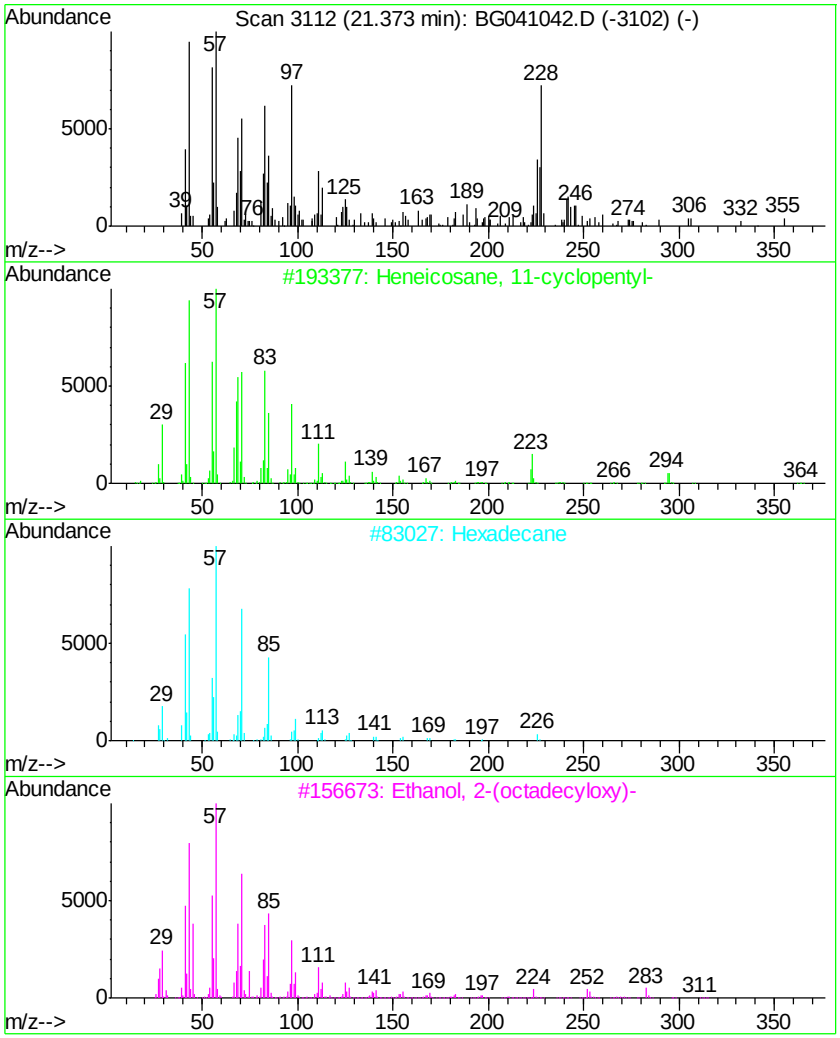
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

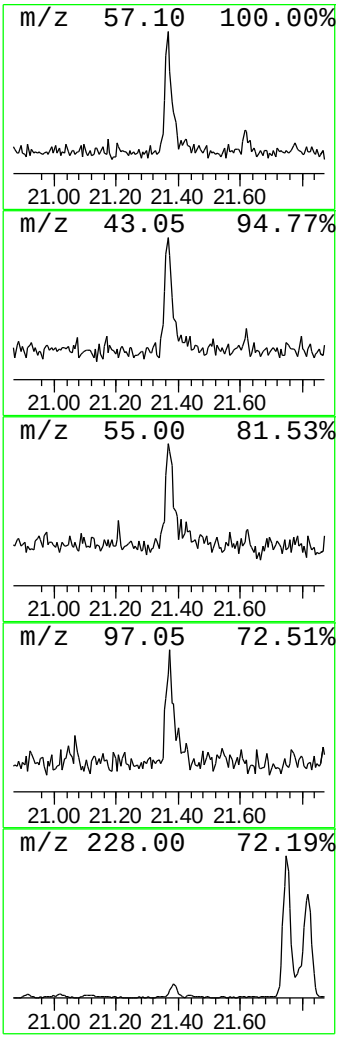
**********

Peak Number 6 Heneicosane, 11-cyclopentyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.37 | 2.86 ng | 225865 | Chrysene-d12 | 21.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane, 11-cyclopentyl- | 364 | C26H52 | 006703-81-7 | 64 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 56 |
| 3 | Ethanol, 2-(octadecyloxy)- | 314 | C20H42O2 | 002136-72-3 | 52 |
| 4 | Oxalic acid, isobutyl hexadecyl ... | 370 | C22H42O4 | 1000309-38-1 | 52 |
| 5 | Oxalic acid, propyl tetradecyl e... | 328 | C19H36O4 | 1000309-26-7 | 52 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG060319\
Data File : BG041042.D
Acq On : 3 Jun 2019 20:03
Operator : HP/JU
Sample : K3097-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
0433-HR-13(HACKENSACK)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.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... | 3.21 | 29.9 | ng | 655739 | 1 | 8.12 | 439387 | 20.0 |
| unknown7.65 | 7.65 | 103.3 | ng | 2269610 | 1 | 8.12 | 439387 | 20.0 |
| n-Hexadecanoic acid | 18.34 | 3.6 | ng | 206445 | 4 | 17.49 | 1147250 | 20.0 |
| Heneicosane, 11-c... | 21.37 | 2.9 | ng | 225865 | 5 | 21.77 | 1580310 | 20.0 |