LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031819\
Data File : BG039981.D
Acq On : 18 Mar 2019 22:33
Operator : JU/SJ
Sample : K1903-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TW-6

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-BG030419.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 | 3.193 | 13 | 18 | 27 | rBV | 230434 | 475224 | 13.55% | 2.592% |
| 2 | 3.269 | 27 | 31 | 48 | rVB | 503822 | 747410 | 21.32% | 4.076% |
| 3 | 5.689 | 437 | 443 | 452 | rBV | 471576 | 743967 | 21.22% | 4.057% |
| 4 | 7.293 | 707 | 716 | 726 | rBV | 308139 | 541629 | 15.45% | 2.954% |
| 5 | 7.675 | 773 | 781 | 788 | rBV | 778017 | 1347796 | 38.44% | 7.350% |
| 6 | 8.145 | 852 | 861 | 867 | rBV | 172410 | 295581 | 8.43% | 1.612% |
| 7 | 8.468 | 908 | 916 | 923 | rBV | 695593 | 1221077 | 34.83% | 6.659% |
| 8 | 9.326 | 1053 | 1062 | 1070 | rBV | 603319 | 1082210 | 30.87% | 5.902% |
| 9 | 10.964 | 1334 | 1341 | 1350 | rBV | 227328 | 406851 | 11.60% | 2.219% |
| 10 | 13.396 | 1747 | 1755 | 1764 | rBV | 1541444 | 2470488 | 70.46% | 13.473% |
| 11 | 14.771 | 1980 | 1989 | 1997 | rBV2 | 364686 | 582574 | 16.62% | 3.177% |
| 12 | 16.257 | 2234 | 2242 | 2257 | rBV | 1244031 | 1890524 | 53.92% | 10.310% |
| 13 | 17.514 | 2449 | 2456 | 2463 | rBV2 | 470482 | 706158 | 20.14% | 3.851% |
| 14 | 18.366 | 2595 | 2601 | 2606 | rBV | 58152 | 95928 | 2.74% | 0.523% |
| 15 | 19.629 | 2812 | 2816 | 2821 | rBV5 | 28673 | 42904 | 1.22% | 0.234% |
| 16 | 20.111 | 2891 | 2898 | 2903 | rBV | 2604544 | 3506247 | 100.00% | 19.122% |
| 17 | 21.397 | 3112 | 3117 | 3128 | rBV4 | 50157 | 126581 | 3.61% | 0.690% |
| 18 | 21.803 | 3179 | 3186 | 3195 | rVB | 466111 | 807076 | 23.02% | 4.402% |
| 19 | 21.950 | 3205 | 3211 | 3215 | rBV4 | 19222 | 37759 | 1.08% | 0.206% |
| 20 | 22.566 | 3313 | 3316 | 3321 | rVB2 | 34099 | 46665 | 1.33% | 0.254% |
| 21 | 23.283 | 3433 | 3438 | 3445 | rVB3 | 42800 | 81646 | 2.33% | 0.445% |
| 22 | 24.117 | 3574 | 3580 | 3586 | rVB | 44623 | 96751 | 2.76% | 0.528% |
| 23 | 25.092 | 3741 | 3746 | 3750 | rBV3 | 37681 | 88396 | 2.52% | 0.482% |
| 24 | 25.169 | 3750 | 3759 | 3772 | rVB2 | 258083 | 780576 | 22.26% | 4.257% |
| 25 | 26.273 | 3938 | 3947 | 3959 | rVB4 | 36510 | 114356 | 3.26% | 0.624% |

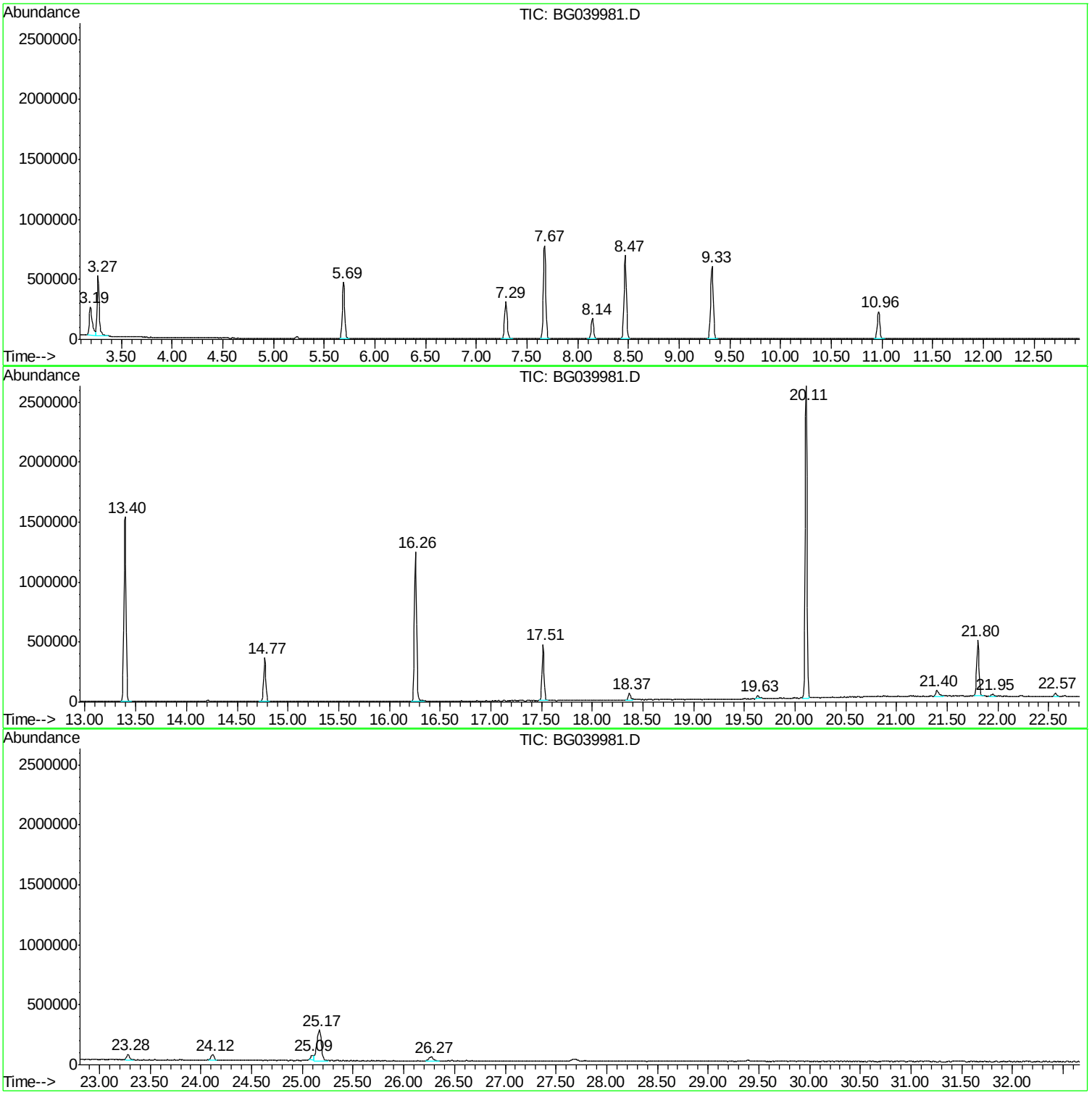
Sum of corrected areas: 18336374

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031819\
Data File : BG039981.D
Acq On : 18 Mar 2019 22:33
Operator : JU/SJ
Sample : K1903-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TW-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.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 G\DATA\BG031819\
Data File : BG039981.D
Acq On : 18 Mar 2019 22:33
Operator : JU/SJ
Sample : K1903-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TW-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

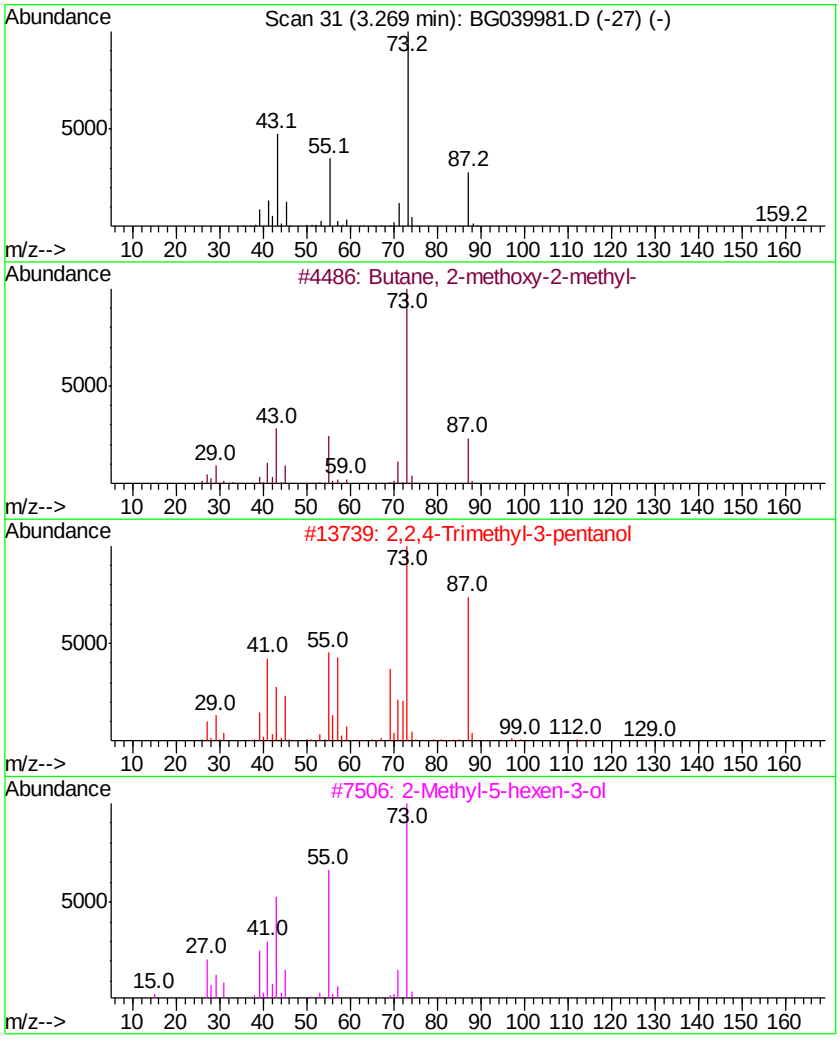
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

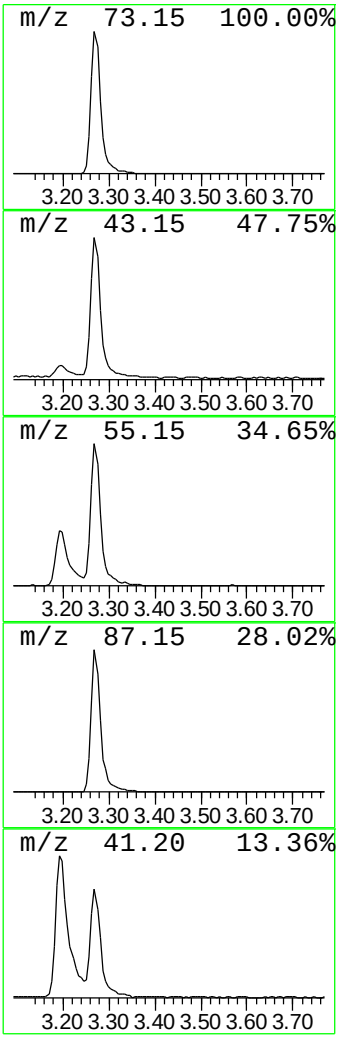
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.27 | 50.57 ng | 747410 | 1,4-Dichlorobenzene-d4 | 8.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 78 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 39 |
| 3 | 2-Methyl-5-hexen-3-ol | 114 | C7H14O | 032815-70-6 | 28 |
| 4 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 17 |
| 5 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 12 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031819\
Data File : BG039981.D
Acq On : 18 Mar 2019 22:33
Operator : JU/SJ
Sample : K1903-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TW-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

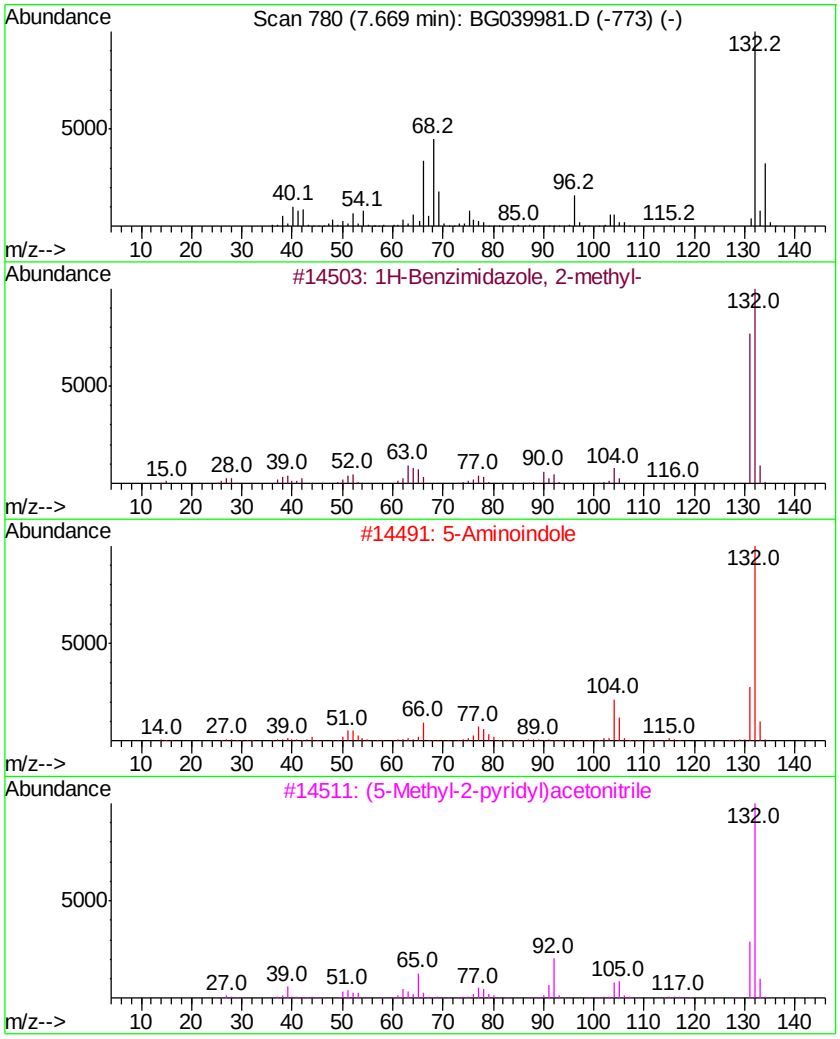
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

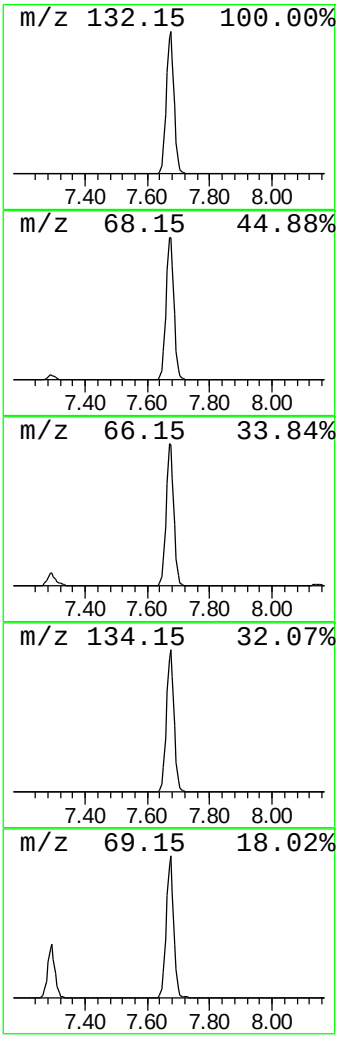
**********

Peak Number 3 unknown7.67 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.67 | 91.20 ng | 1347800 | 1,4-Dichlorobenzene-d4 | 8.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 22 |
| 2 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 22 |
| 3 | (5-Methyl-2-pyridyl)acetonitrile | 132 | C8H8N2 | 1000241-93-9 | 10 |
| 4 | Xenon | 132 | Xe | 007440-63-3 | 9 |
| 5 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031819\
Data File : BG039981.D
Acq On : 18 Mar 2019 22:33
Operator : JU/SJ
Sample : K1903-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TW-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

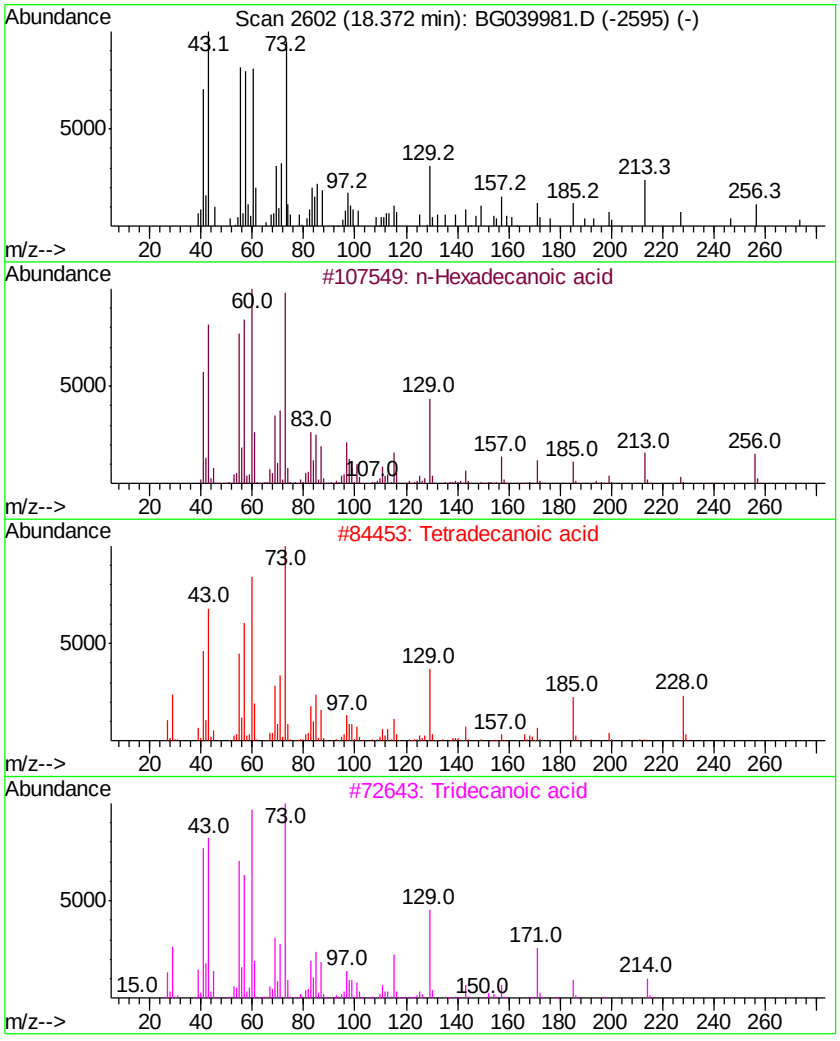
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

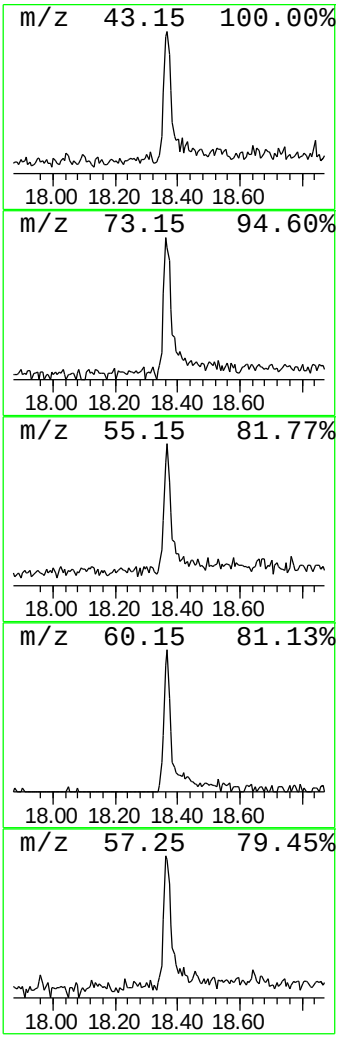
**********

Peak Number 5 n-Hexadecanoic acid Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.37 | 2.72 ng | 95928 | Phenanthrene-d10 | 17.51 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 92 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 62 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 58 |
| 4 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 53 |
| 5 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 53 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031819\
Data File : BG039981.D
Acq On : 18 Mar 2019 22:33
Operator : JU/SJ
Sample : K1903-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TW-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

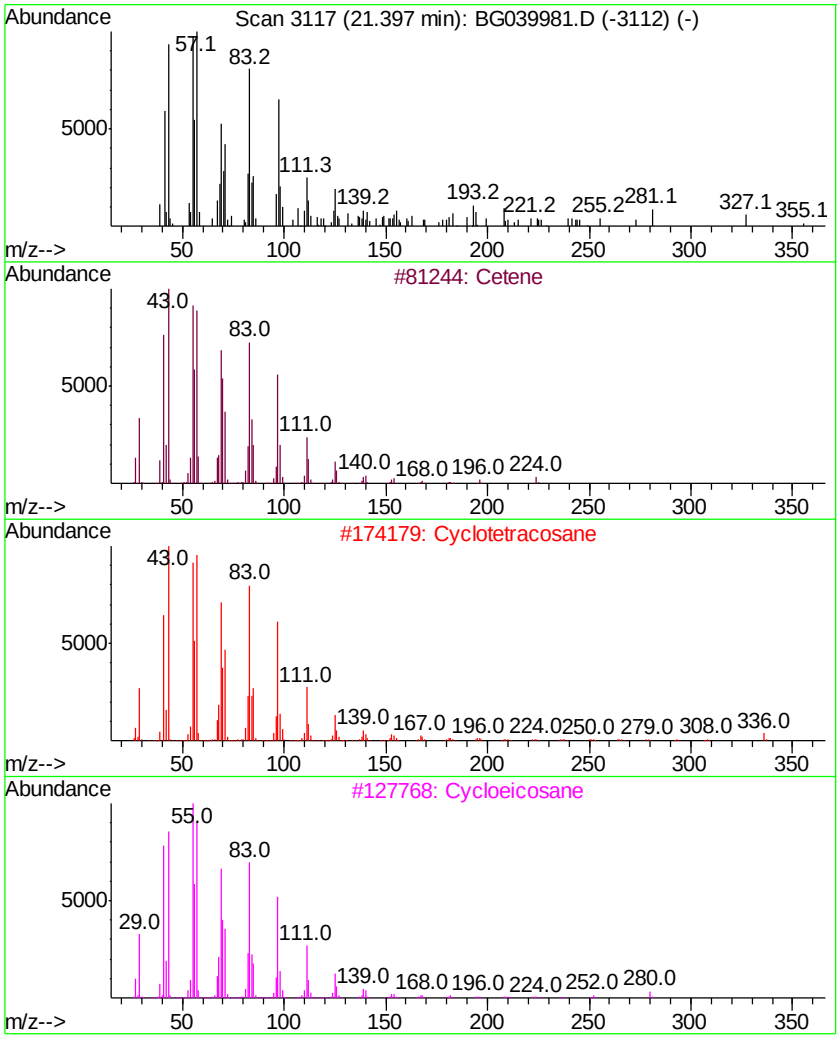
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

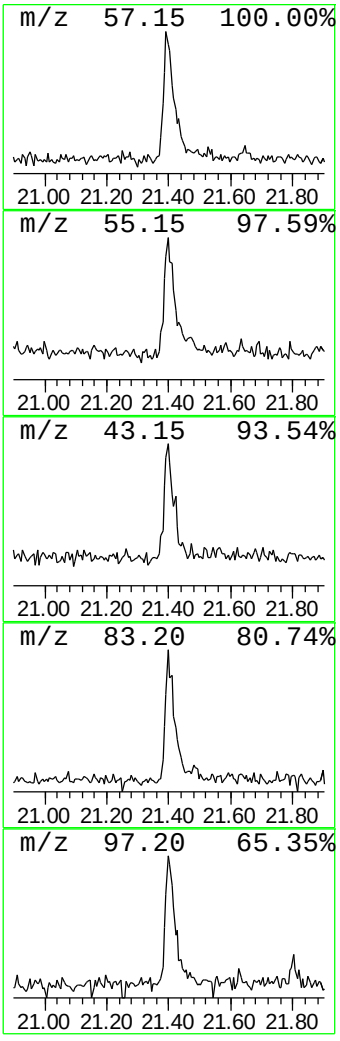
**********

Peak Number 6 Cetene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.40 | 3.14 ng | 126581 | Chrysene-d12 | 21.80 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cetene | 224 | C16H32 | 000629-73-2 | 93 |
| 2 | Cyclotetracosane | 336 | C24H48 | 000297-03-0 | 90 |
| 3 | Cycloeicosane | 280 | C20H40 | 000296-56-0 | 87 |
| 4 | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 87 |
| 5 | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2 | 959010-23-2 | 87 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031819\
Data File : BG039981.D
Acq On : 18 Mar 2019 22:33
Operator : JU/SJ
Sample : K1903-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TW-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

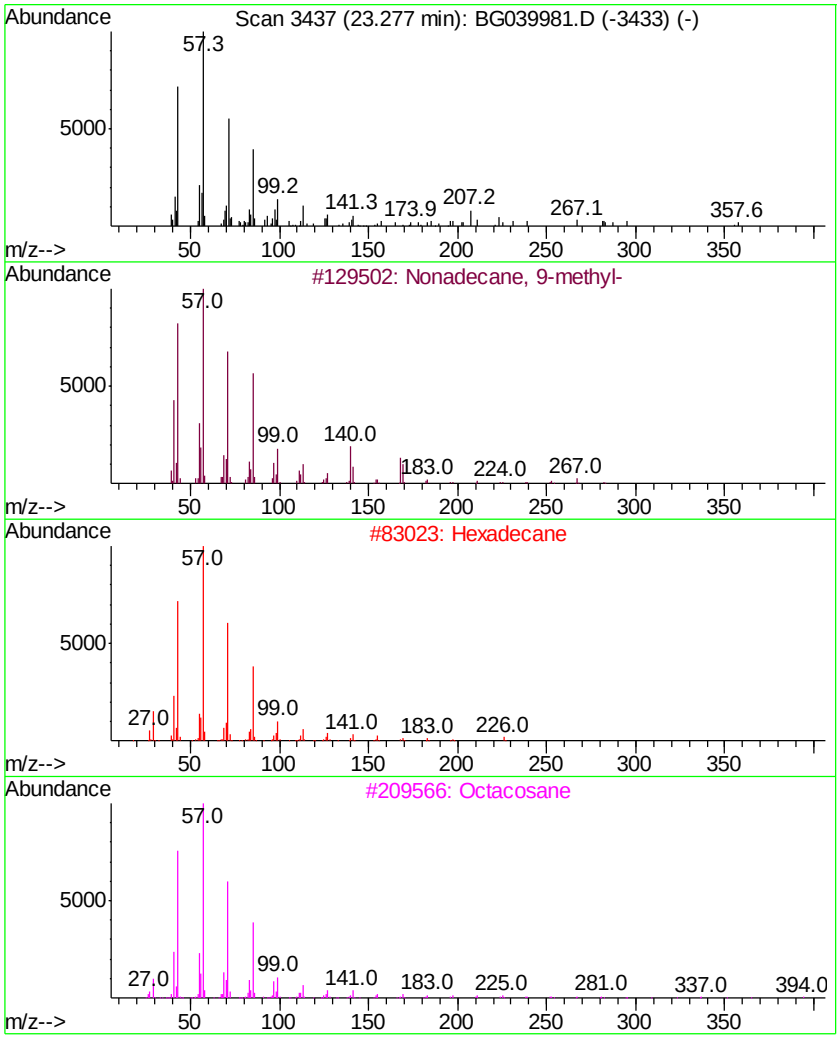
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

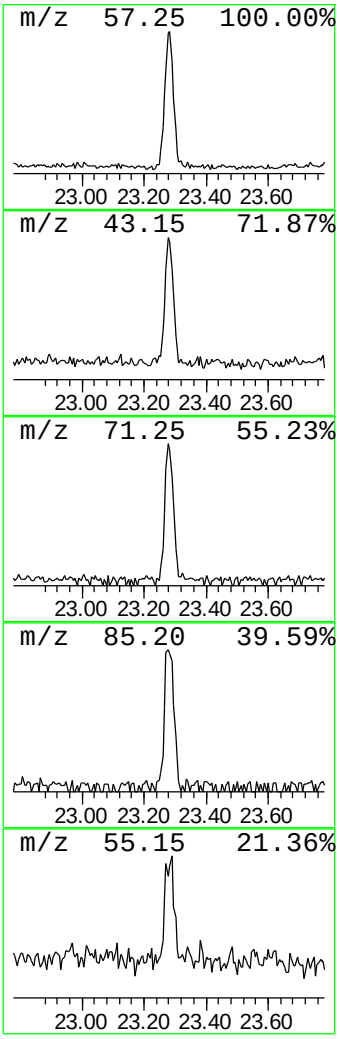
**********

Peak Number 7 Nonadecane, 9-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.28 | 2.02 ng | 81646 | Chrysene-d12 | 21.80 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonadecane, 9-methyl- | 282 | C20H42 | 013287-24-6 | 91 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 89 |
| 3 | Octacosane | 394 | C28H58 | 000630-02-4 | 80 |
| 4 | Nonadecane | 268 | C19H40 | 000629-92-5 | 72 |
| 5 | Octadecane | 254 | C18H38 | 000593-45-3 | 64 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031819\
Data File : BG039981.D
Acq On : 18 Mar 2019 22:33
Operator : JU/SJ
Sample : K1903-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TW-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

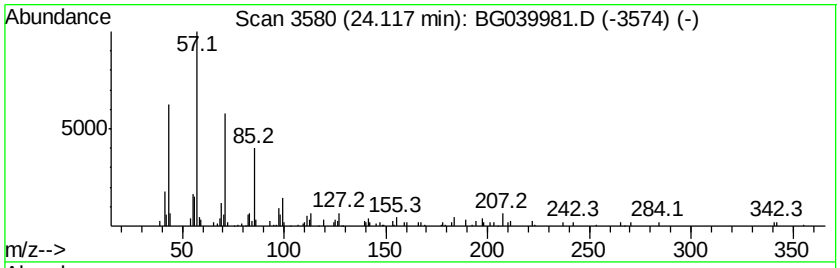
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

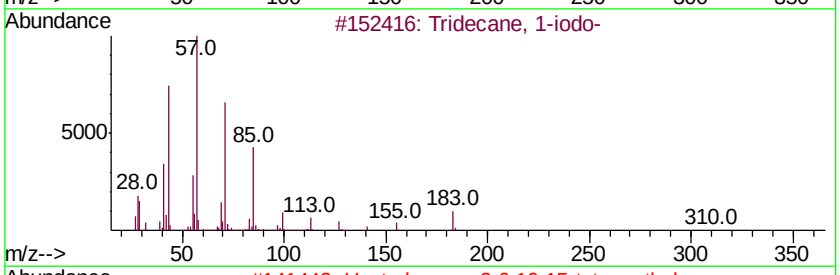
**********

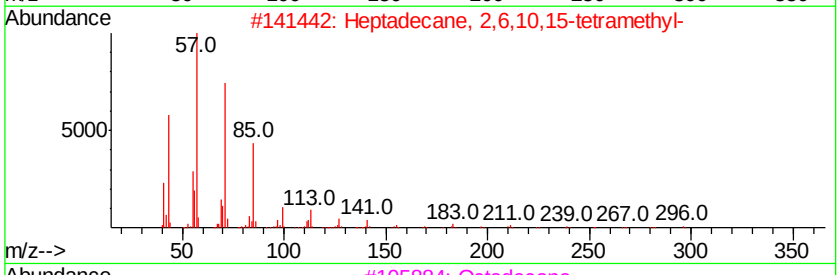
Peak Number 8 Tridecane, 1-iodo- Concentration Rank 8

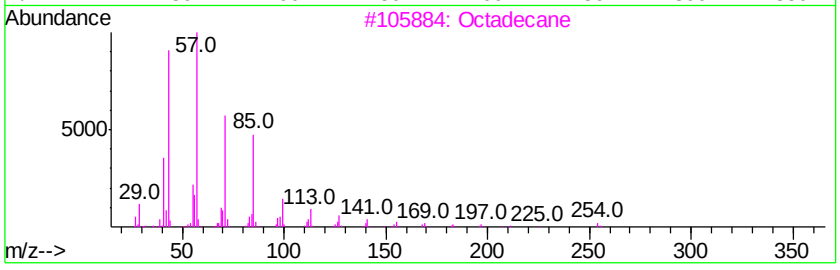
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.12 | 2.48 ng | 96751 | Perylene-d12 | 25.17 |

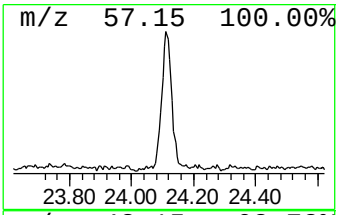
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 83 |
| 2 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 80 |
| 3 | Octadecane | 254 | C18H38 | 000593-45-3 | 80 |
| 4 | Sulfurous acid, butyl tridecyl e... | 320 | C17H36O3S | 1000309-18-0 | 78 |
| 5 | Tetratriacontane | 479 | C34H70 | 014167-59-0 | 78 |

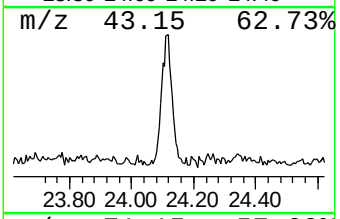


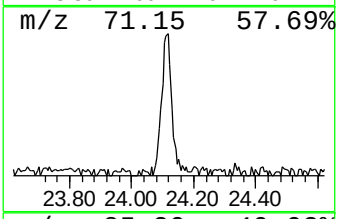



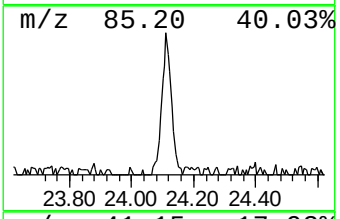



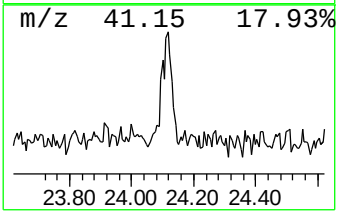



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031819\
Data File : BG039981.D
Acq On : 18 Mar 2019 22:33
Operator : JU/SJ
Sample : K1903-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TW-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

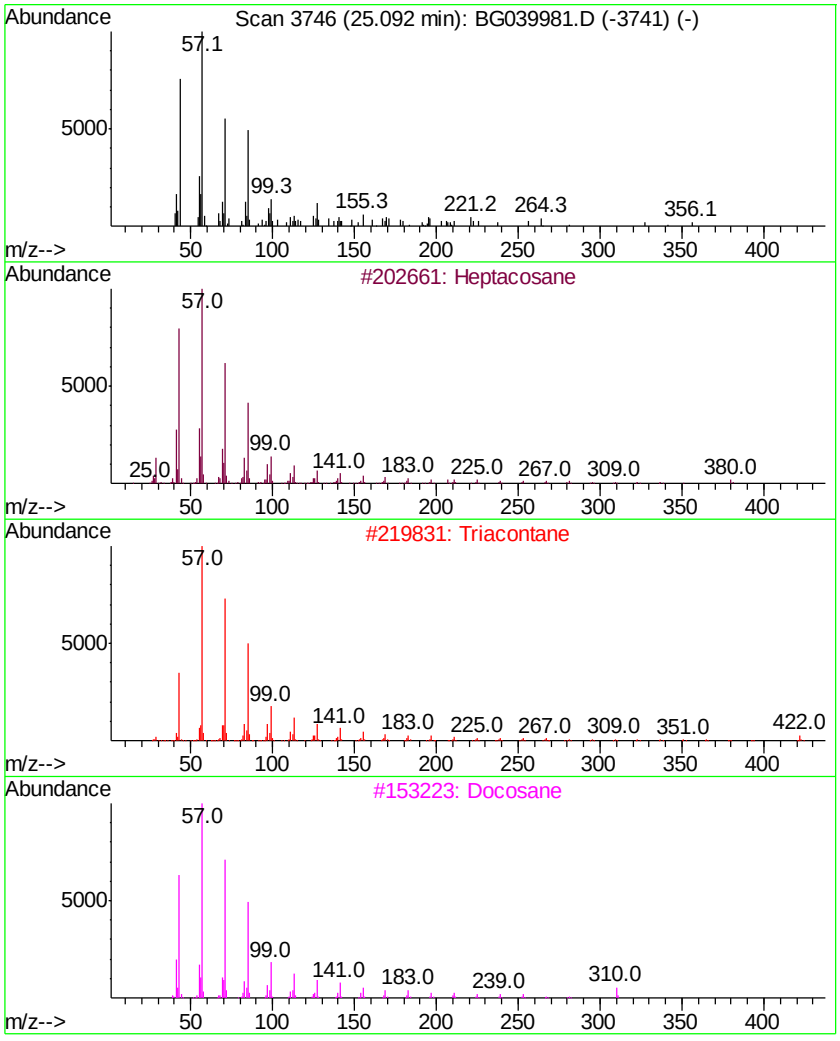
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

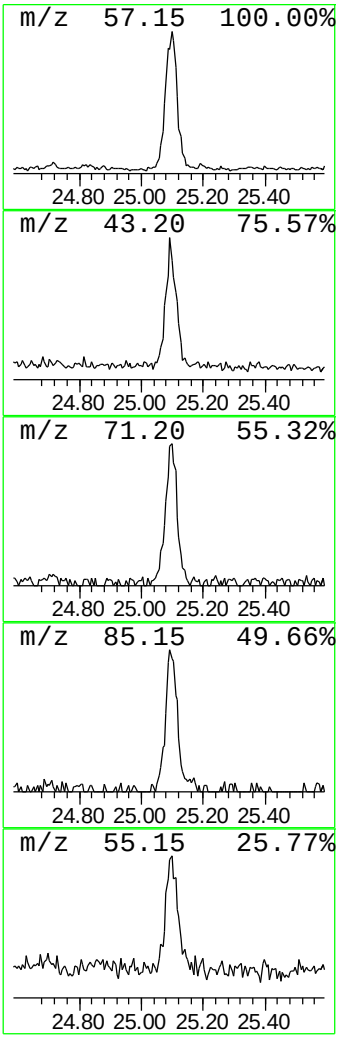
**********

Peak Number 9 Heptacosane Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.09 | 2.26 ng | 88396 | Perylene-d12 | 25.17 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptacosane | 380 | C27H56 | 000593-49-7 | 86 |
| 2 | Triacontane | 422 | C30H62 | 000638-68-6 | 86 |
| 3 | Docosane | 310 | C22H46 | 000629-97-0 | 86 |
| 4 | Sulfurous acid, butyl nonyl ester | 264 | C13H28O3S | 1000309-17-6 | 72 |
| 5 | Sulfurous acid, butyl decyl ester | 278 | C14H30O3S | 1000309-17-7 | 72 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031819\
Data File : BG039981.D
Acq On : 18 Mar 2019 22:33
Operator : JU/SJ
Sample : K1903-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TW-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

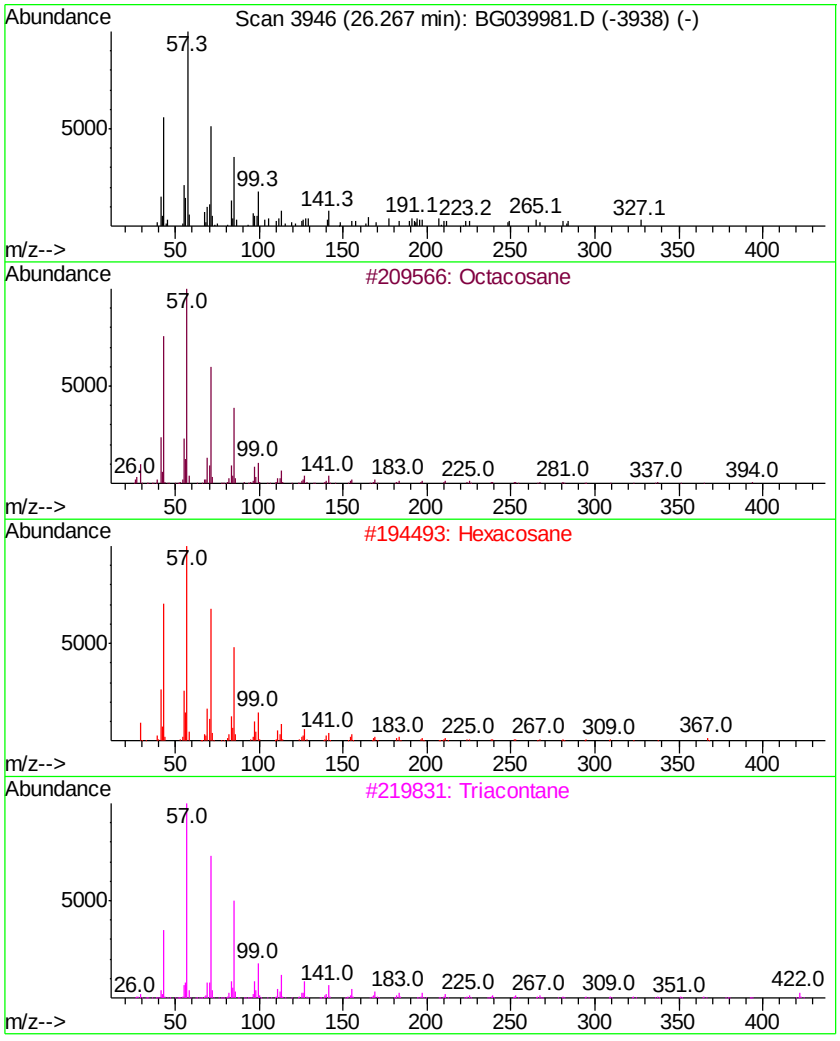
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

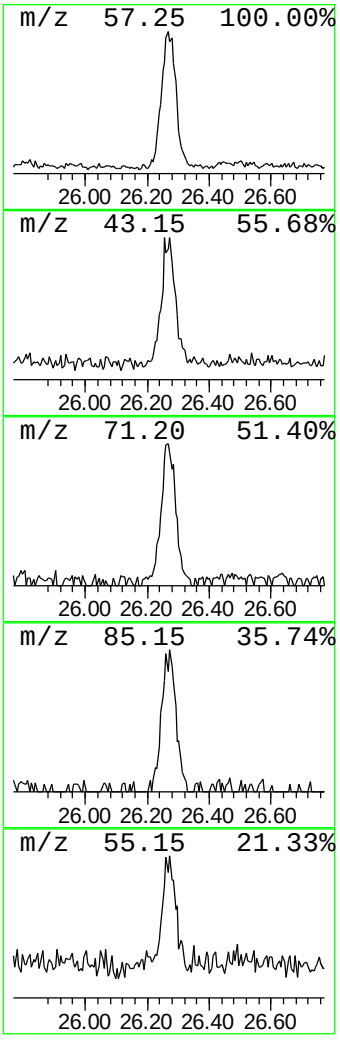
**********

Peak Number 10 Octacosane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 26.27 | 2.93 ng | 114356 | Perylene-d12 | 25.17 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octacosane | 394 | C28H58 | 000630-02-4 | 81 |
| 2 | Hexacosane | 366 | C26H54 | 000630-01-3 | 72 |
| 3 | Triacontane | 422 | C30H62 | 000638-68-6 | 72 |
| 4 | Pentacosane | 352 | C25H52 | 000629-99-2 | 72 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 68 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031819\
Data File : BG039981.D
Acq On : 18 Mar 2019 22:33
Operator : JU/SJ
Sample : K1903-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TW-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.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... | 3.27 | 50.6 | ng | 747410 | 1 | 8.14 | 295581 | 20.0 |
| unknown7.67 | 7.67 | 91.2 | ng | 1347800 | 1 | 8.14 | 295581 | 20.0 |
| n-Hexadecanoic acid | 18.37 | 2.7 | ng | 95928 | 4 | 17.51 | 706158 | 20.0 |
| Cetene | 21.40 | 3.1 | ng | 126581 | 5 | 21.80 | 807076 | 20.0 |
| Nonadecane, 9-met... | 23.28 | 2.0 | ng | 81646 | 5 | 21.80 | 807076 | 20.0 |
| Tridecane, 1-iodo- | 24.12 | 2.5 | ng | 96751 | 6 | 25.17 | 780576 | 20.0 |
| Heptacosane | 25.09 | 2.3 | ng | 88396 | 6 | 25.17 | 780576 | 20.0 |
| Octacosane | 26.27 | 2.9 | ng | 114356 | 6 | 25.17 | 780576 | 20.0 |