LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062419\
Data File : BG041435.D
Acq On : 24 Jun 2019 23:46
Operator : HP/JU
Sample : K3500-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** B-1(9-10)

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.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 | 5.582 | 418 | 424 | 440 | rBV | 314278 | 530316 | 32.53% | 5.203% |
| 2 | 7.204 | 692 | 700 | 717 | rBV | 361770 | 674027 | 41.35% | 6.613% |
| 3 | 7.574 | 756 | 763 | 776 | rBV | 356342 | 629102 | 38.59% | 6.172% |
| 4 | 8.044 | 837 | 843 | 852 | rVB | 112782 | 193491 | 11.87% | 1.898% |
| 5 | 8.367 | 891 | 898 | 907 | rBV | 278123 | 483521 | 29.66% | 4.744% |
| 6 | 9.225 | 1037 | 1044 | 1055 | rBV2 | 221234 | 421715 | 25.87% | 4.138% |
| 7 | 10.870 | 1316 | 1324 | 1331 | rBV | 145291 | 275204 | 16.88% | 2.700% |
| 8 | 13.303 | 1731 | 1738 | 1755 | rBV | 718573 | 1092967 | 67.05% | 10.724% |
| 9 | 14.125 | 1873 | 1878 | 1894 | rVB | 96547 | 150374 | 9.22% | 1.475% |
| 10 | 14.683 | 1967 | 1973 | 1985 | rVB2 | 261159 | 420379 | 25.79% | 4.125% |
| 11 | 16.176 | 2220 | 2227 | 2242 | rBV | 545210 | 843044 | 51.72% | 8.272% |
| 12 | 17.433 | 2435 | 2441 | 2450 | rBV | 358245 | 529013 | 32.45% | 5.190% |
| 13 | 18.291 | 2582 | 2587 | 2601 | rBV | 56928 | 109202 | 6.70% | 1.071% |
| 14 | 19.560 | 2799 | 2803 | 2811 | rBV5 | 22967 | 50773 | 3.11% | 0.498% |
| 15 | 20.030 | 2877 | 2883 | 2893 | rBV | 1271461 | 1630093 | 100.00% | 15.994% |
| 16 | 21.293 | 3094 | 3098 | 3102 | rBV4 | 21123 | 27049 | 1.66% | 0.265% |
| 17 | 21.705 | 3161 | 3168 | 3182 | rBV | 314025 | 580957 | 35.64% | 5.700% |
| 18 | 21.840 | 3187 | 3191 | 3198 | rVB | 54746 | 82416 | 5.06% | 0.809% |
| 19 | 22.451 | 3290 | 3295 | 3300 | rVB | 88894 | 139348 | 8.55% | 1.367% |
| 20 | 23.150 | 3407 | 3414 | 3421 | rVB | 114917 | 213881 | 13.12% | 2.099% |
| 21 | 23.344 | 3442 | 3447 | 3451 | rVB5 | 10824 | 19000 | 1.17% | 0.186% |
| 22 | 23.955 | 3544 | 3551 | 3560 | rBV2 | 107563 | 240771 | 14.77% | 2.362% |
| 23 | 24.913 | 3706 | 3714 | 3720 | rBV3 | 88290 | 231179 | 14.18% | 2.268% |
| 24 | 24.989 | 3720 | 3727 | 3738 | rVB3 | 110928 | 328592 | 20.16% | 3.224% |
| 25 | 26.052 | 3900 | 3908 | 3918 | rVB5 | 60935 | 189092 | 11.60% | 1.855% |
| 26 | 27.421 | 4133 | 4141 | 4153 | rVB5 | 29092 | 106570 | 6.54% | 1.046% |

Sum of corrected areas: 10192076

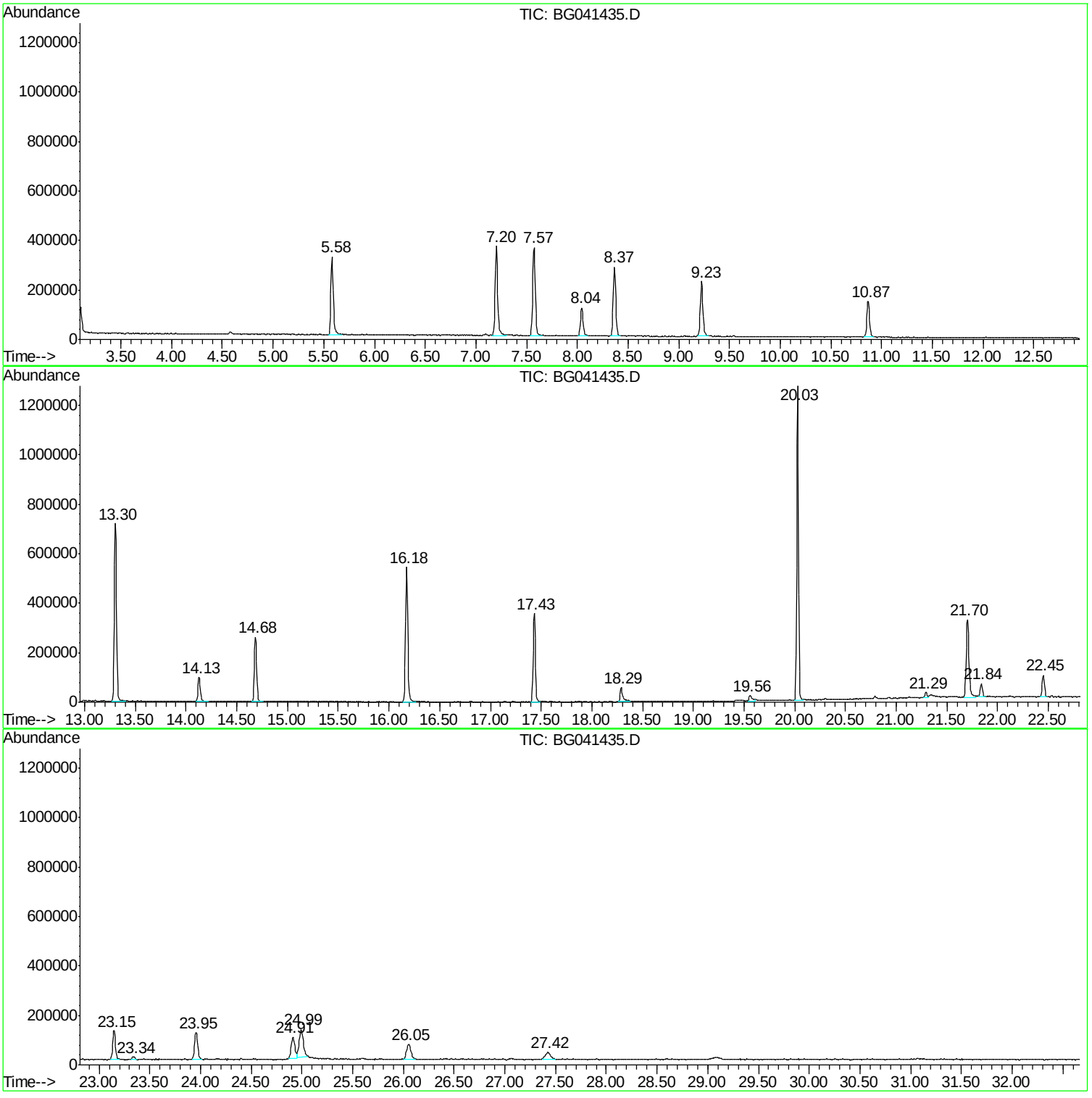
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062419\
Data File : BG041435.D
Acq On : 24 Jun 2019 23:46
Operator : HP/JU
Sample : K3500-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** B-1(9-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.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\BG062419\
Data File : BG041435.D
Acq On : 24 Jun 2019 23:46
Operator : HP/JU
Sample : K3500-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** B-1(9-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

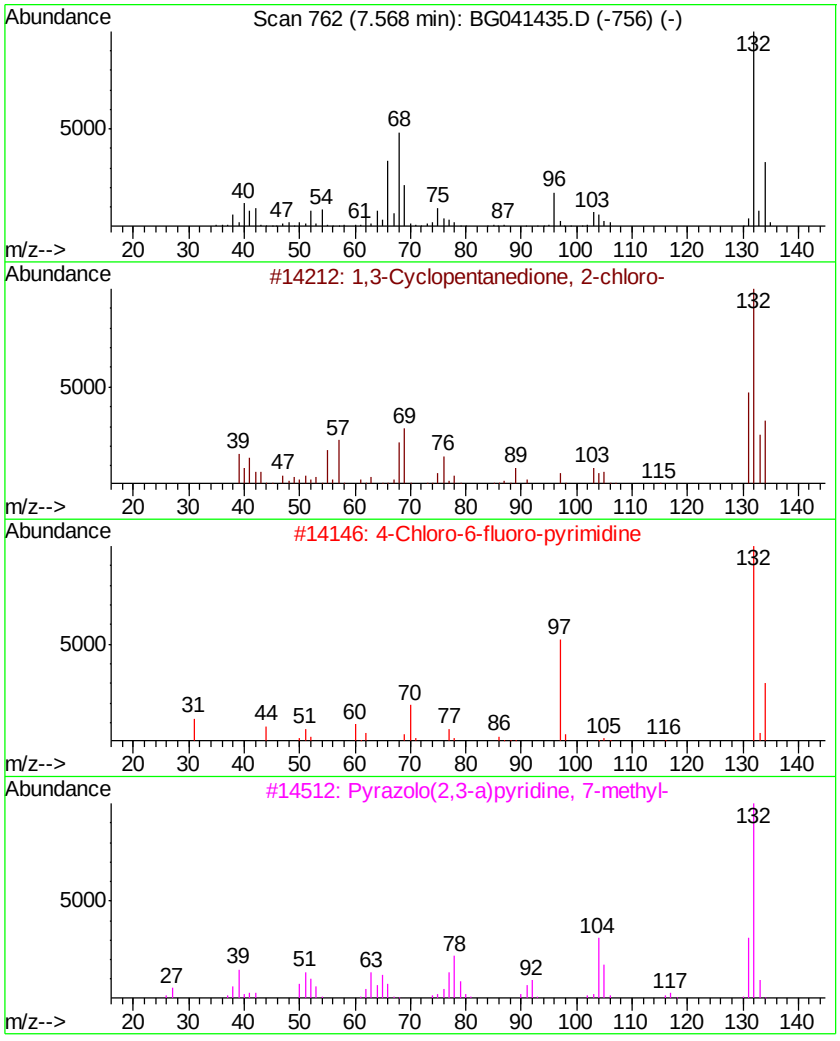
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

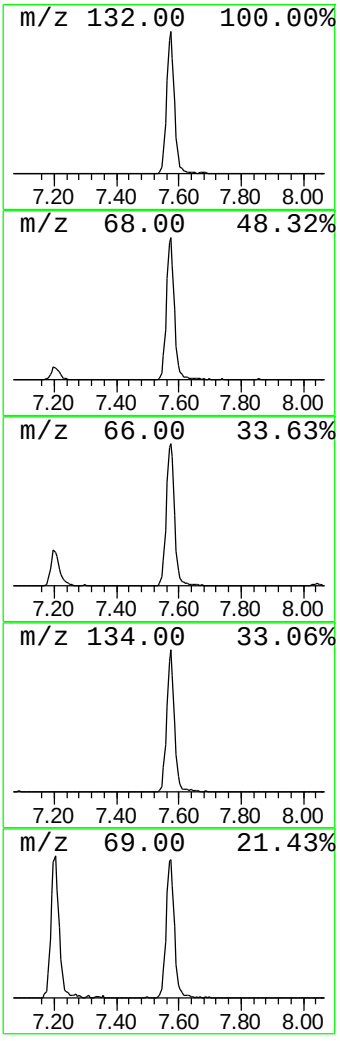
**********

Peak Number 1 unknown7.57 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.57 | 65.03 ng | 629102 | 1,4-Dichlorobenzene-d4 | 8.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2 | 014203-19-1 | 35 |
| 2 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 27 |
| 3 | Pyrazolo(2,3-a)pyridine, 7-methyl- | 132 | C8H8N2 | 034760-58-2 | 22 |
| 4 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 22 |
| 5 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 22 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062419\
Data File : BG041435.D
Acq On : 24 Jun 2019 23:46
Operator : HP/JU
Sample : K3500-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** B-1(9-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

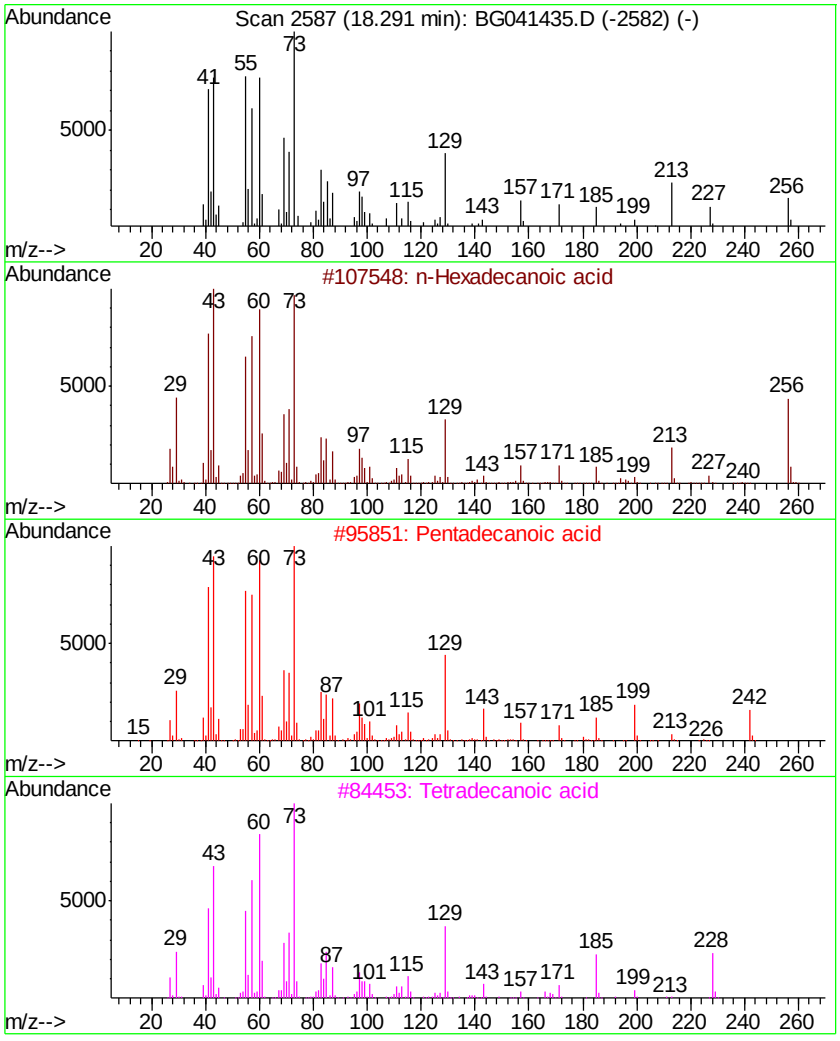
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

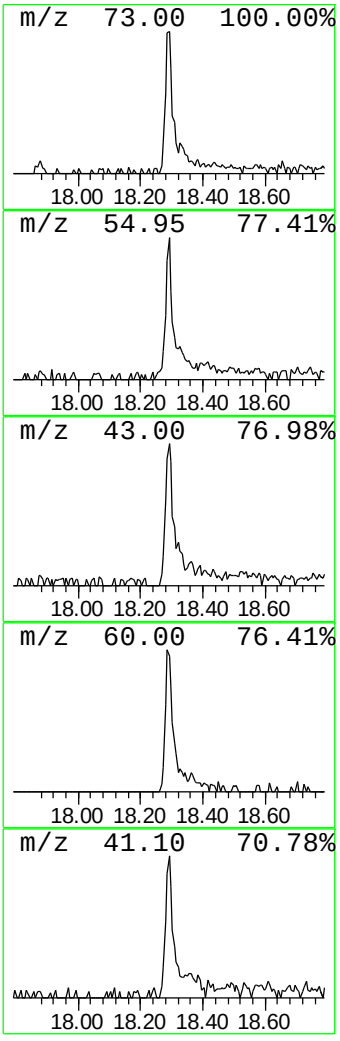
**********

Peak Number 3 n-Hexadecanoic acid Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.29 | 4.13 ng | 109202 | Phenanthrene-d10 | 17.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 81 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 72 |
| 4 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 58 |
| 5 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 58 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062419\
Data File : BG041435.D
Acq On : 24 Jun 2019 23:46
Operator : HP/JU
Sample : K3500-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** B-1(9-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

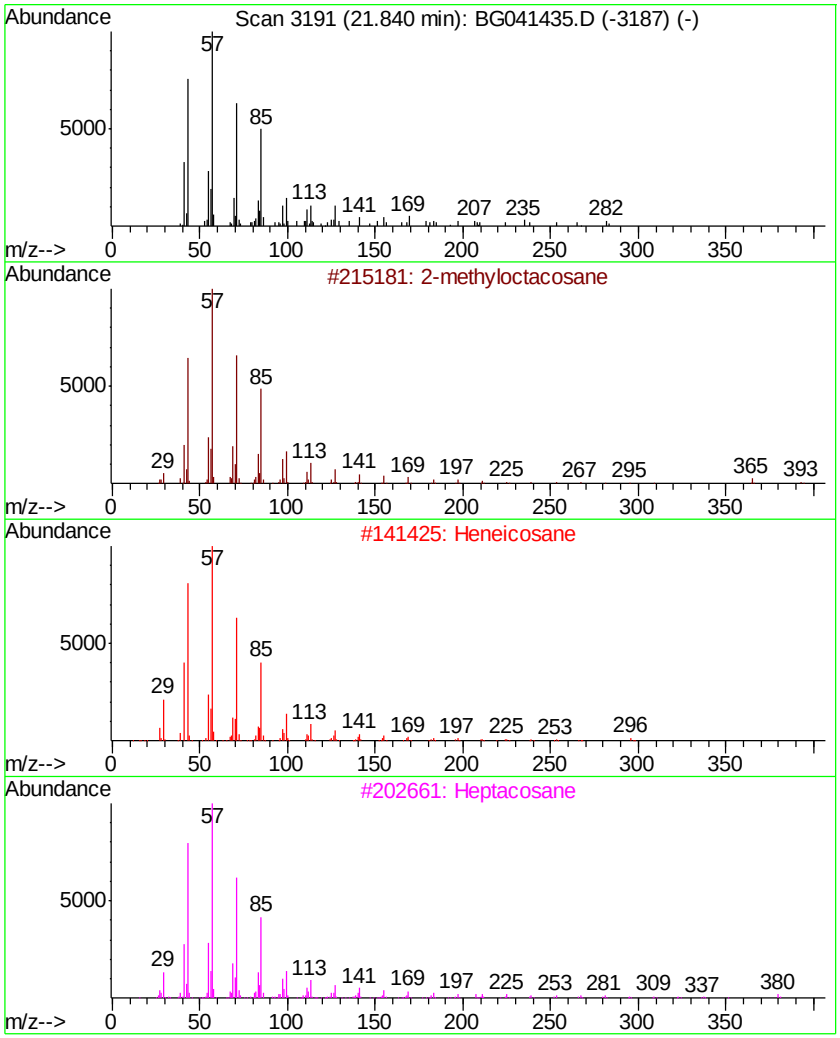
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

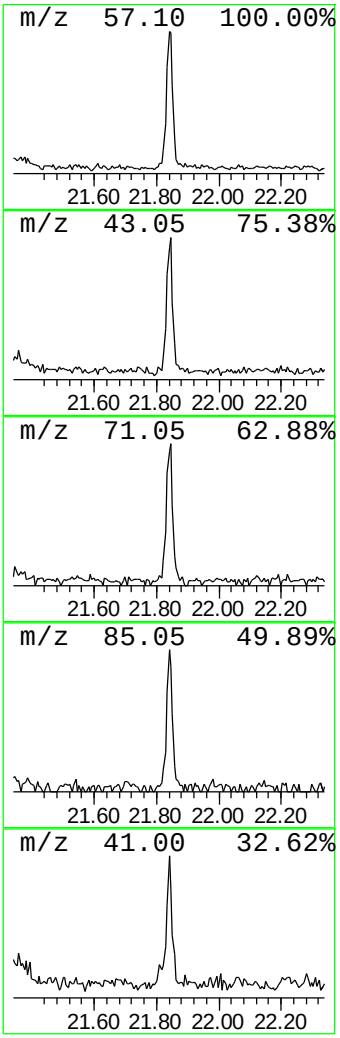
**********

Peak Number 4 2-methyloctacosane Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.84 | 2.84 ng | 82416 | Chrysene-d12 | 21.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | Heptacosane | 380 | C27H56 | 000593-49-7 | 90 |
| 4 | Eicosane | 282 | C20H42 | 000112-95-8 | 90 |
| 5 | Hexatriacontane | 507 | C36H74 | 000630-06-8 | 87 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062419\
Data File : BG041435.D
Acq On : 24 Jun 2019 23:46
Operator : HP/JU
Sample : K3500-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** B-1(9-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

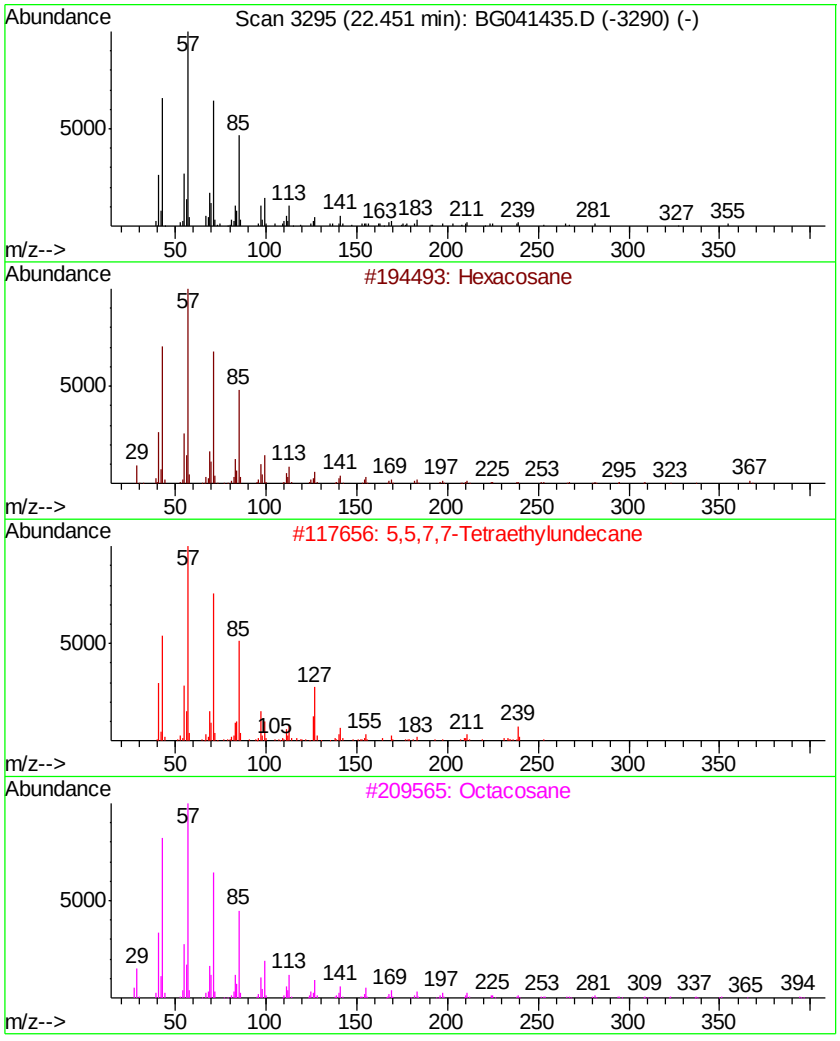
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

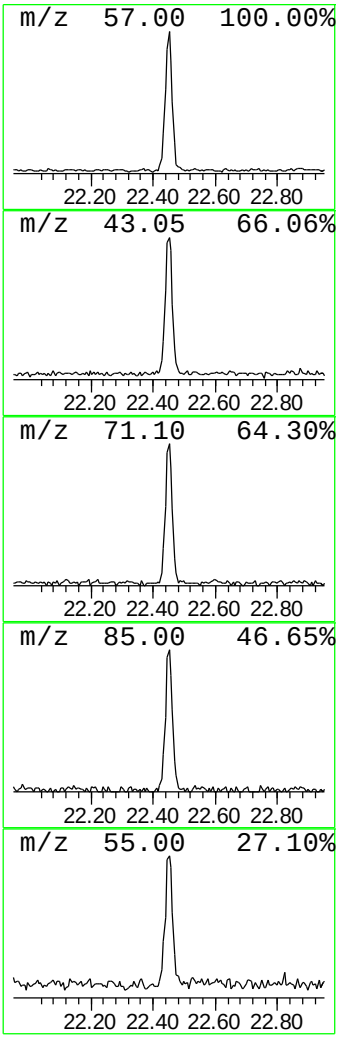
**********

Peak Number 5 Hexacosane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.45 | 4.80 ng | 139348 | Chrysene-d12 | 21.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexacosane | 366 | C26H54 | 000630-01-3 | 90 |
| 2 | 5,5,7,7-Tetraethylundecane | 268 | C19H40 | 1000360-42-0 | 90 |
| 3 | Octacosane | 394 | C28H58 | 000630-02-4 | 90 |
| 4 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 87 |
| 5 | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54 | 055282-11-6 | 87 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062419\
Data File : BG041435.D
Acq On : 24 Jun 2019 23:46
Operator : HP/JU
Sample : K3500-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** B-1(9-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

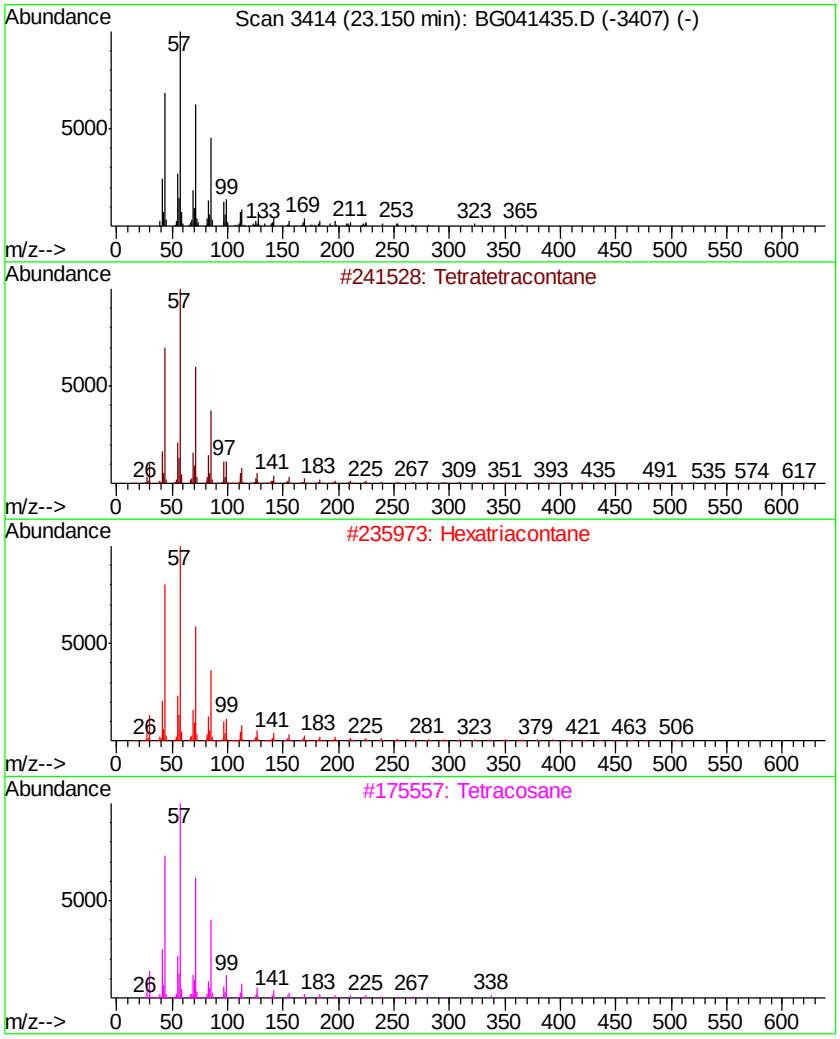
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

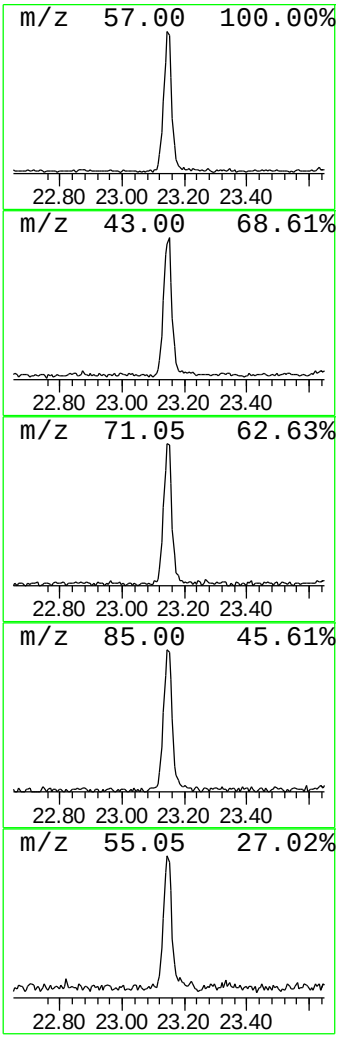
**********

Peak Number 6 Tetratetracontane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.15 | 7.36 ng | 213881 | Chrysene-d12 | 21.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 90 |
| 2 | Hexatriacontane | 507 | C36H74 | 000630-06-8 | 90 |
| 3 | Tetracosane | 338 | C24H50 | 000646-31-1 | 90 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 90 |
| 5 | Hexacosane | 366 | C26H54 | 000630-01-3 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062419\
Data File : BG041435.D
Acq On : 24 Jun 2019 23:46
Operator : HP/JU
Sample : K3500-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** B-1(9-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

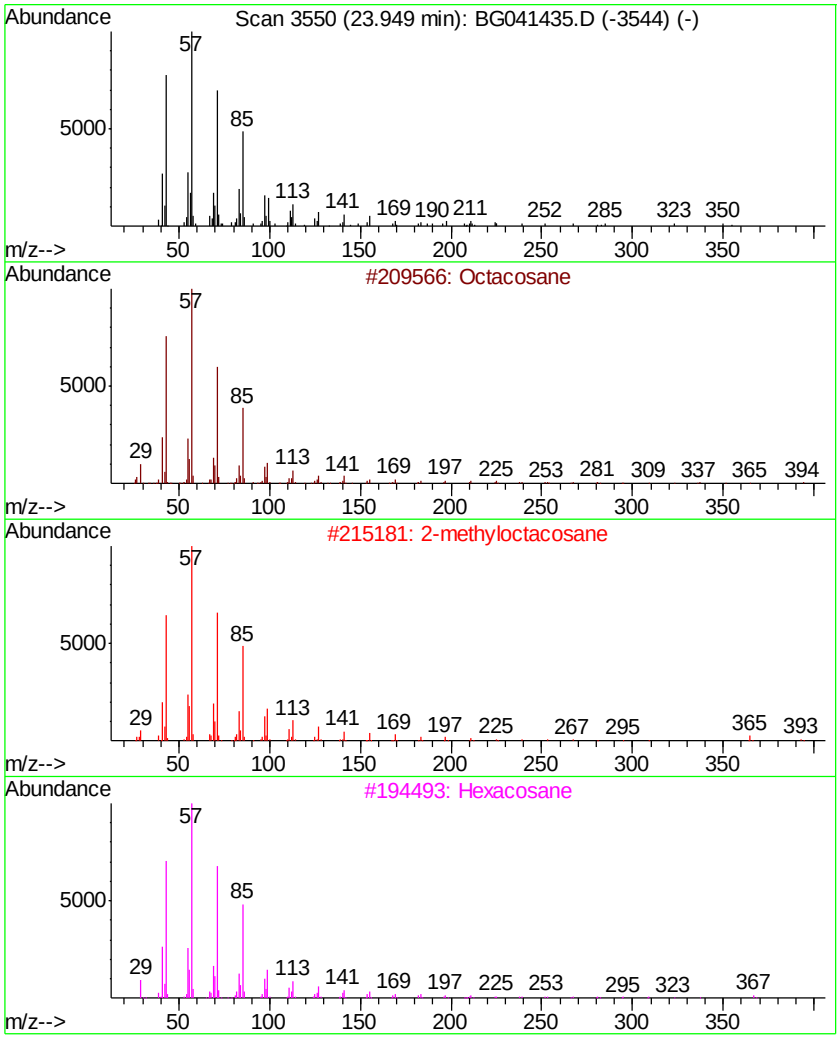
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

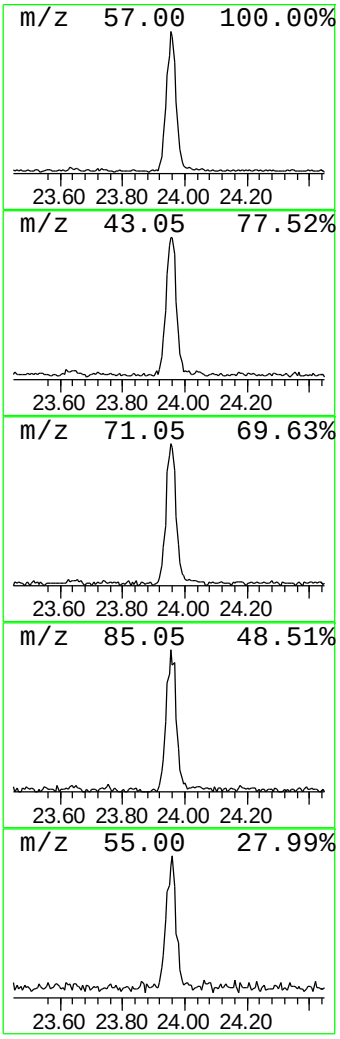
**********

Peak Number 7 Octacosane Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.95 | 14.65 ng | 240771 | Perylene-d12 | 24.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octacosane | 394 | C28H58 | 000630-02-4 | 90 |
| 2 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 90 |
| 3 | Hexacosane | 366 | C26H54 | 000630-01-3 | 90 |
| 4 | Triacontane | 422 | C30H62 | 000638-68-6 | 90 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 90 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062419\
Data File : BG041435.D
Acq On : 24 Jun 2019 23:46
Operator : HP/JU
Sample : K3500-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** B-1(9-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

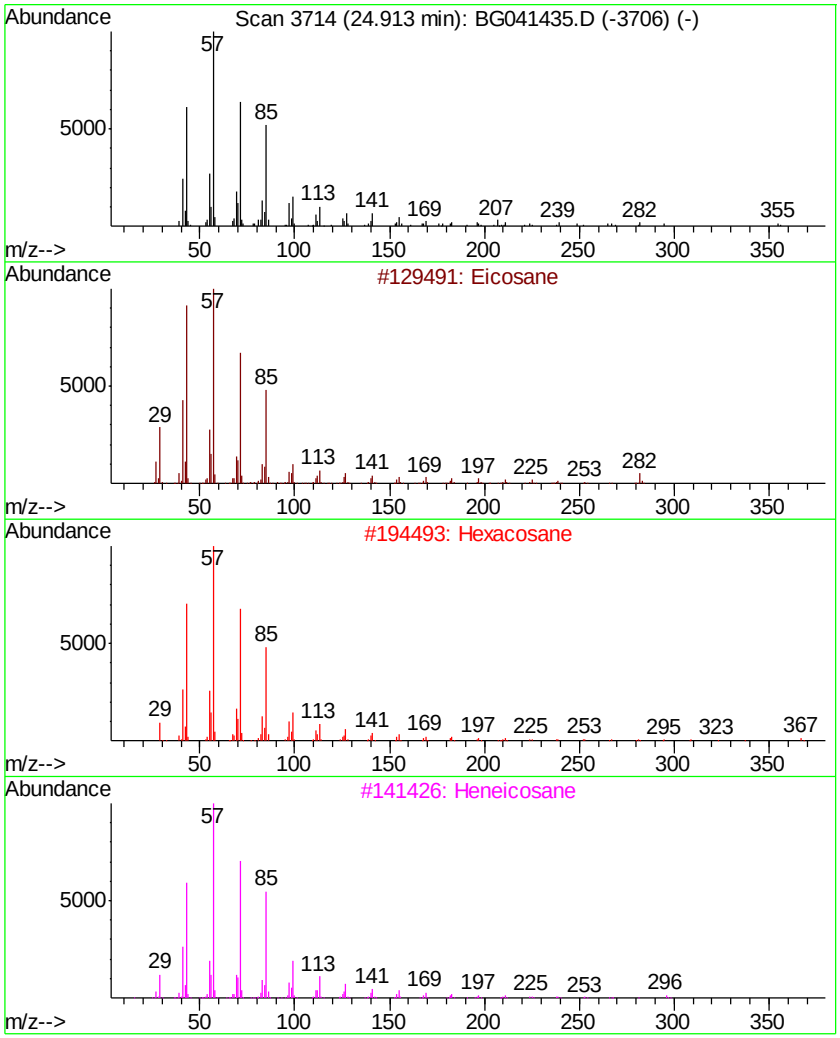
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

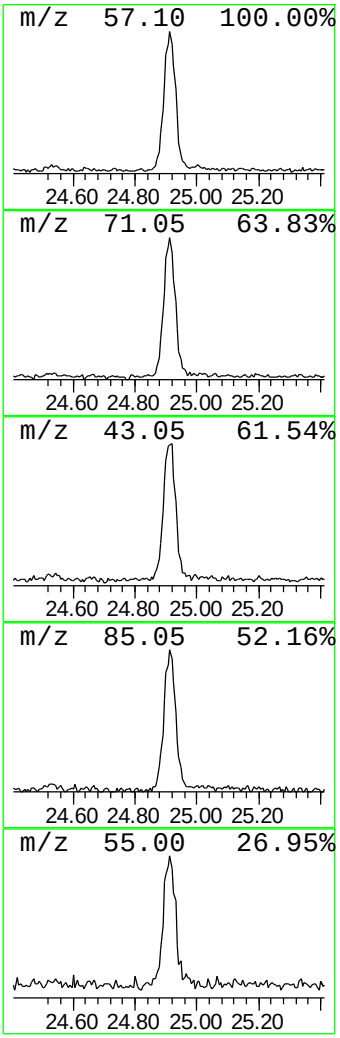
**********

Peak Number 8 Eicosane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.91 | 14.07 ng | 231179 | Perylene-d12 | 24.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 94 |
| 2 | Hexacosane | 366 | C26H54 | 000630-01-3 | 90 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 4 | Docosane, 11-butyl- | 366 | C26H54 | 013475-76-8 | 87 |
| 5 | Hexatriacontane | 507 | C36H74 | 000630-06-8 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062419\
Data File : BG041435.D
Acq On : 24 Jun 2019 23:46
Operator : HP/JU
Sample : K3500-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** B-1(9-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

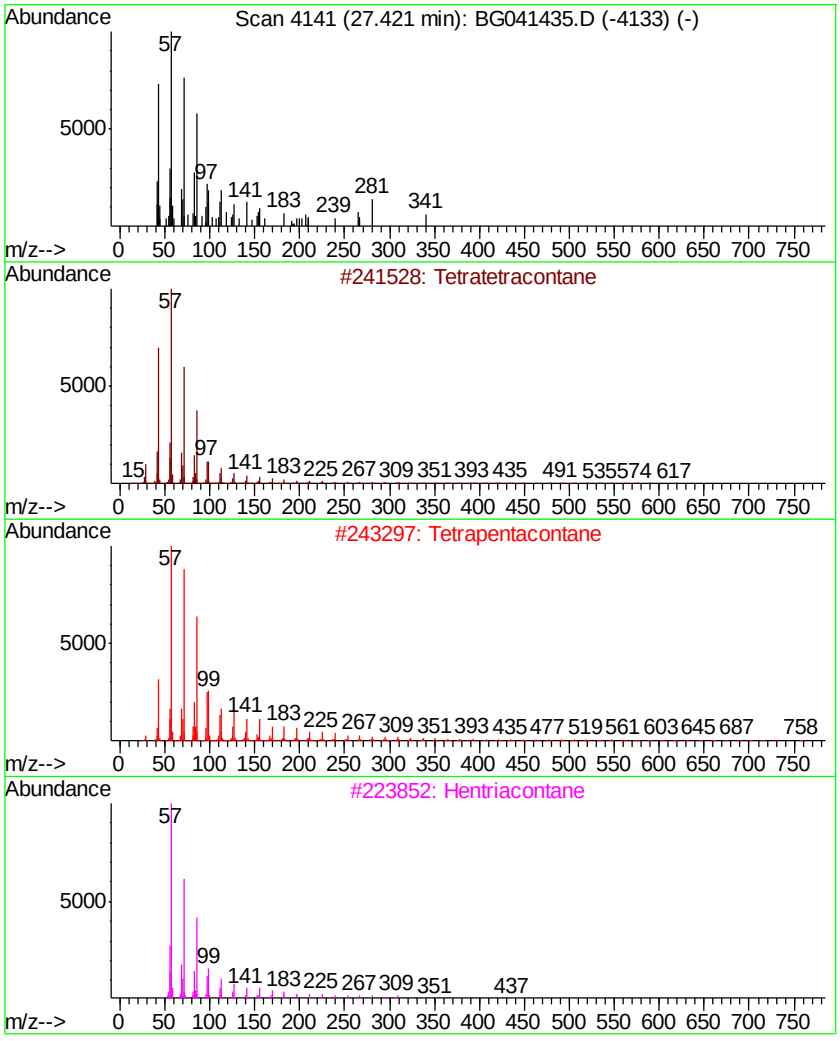
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

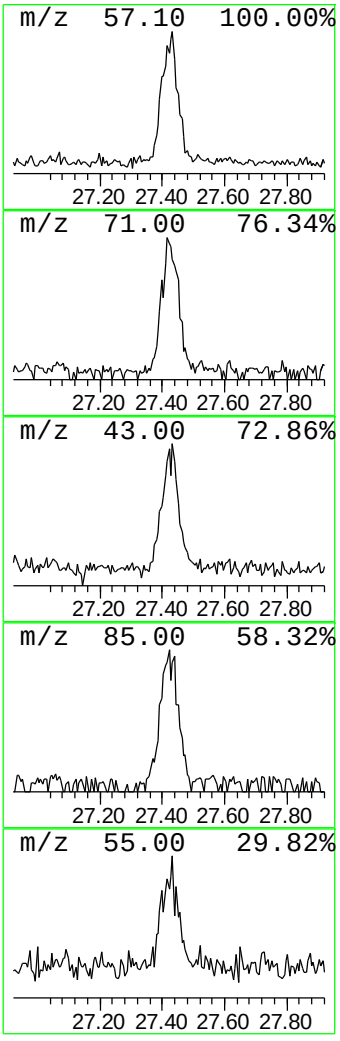
**********

Peak Number 10 Tetrapentacontane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 27.42 | 6.49 ng | 106570 | Perylene-d12 | 24.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 83 |
| 2 | Tetrapentacontane | 759 | C54H110 | 005856-66-6 | 80 |
| 3 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 74 |
| 4 | 2-methylhexacosane | 380 | C27H56 | 1000376-72-7 | 72 |
| 5 | Sulfurous acid, butyl tetradecyl... | 334 | C18H38O3S | 1000309-18-1 | 72 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062419\
Data File : BG041435.D
Acq On : 24 Jun 2019 23:46
Operator : HP/JU
Sample : K3500-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** B-1(9-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.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 |
| unknown7.57 | 7.57 | 65.0 | ng | 629102 | 1 | 8.04 | 193491 | 20.0 |
| n-Hexadecanoic acid | 18.29 | 4.1 | ng | 109202 | 4 | 17.43 | 529013 | 20.0 |
| 2-methyloctacosane | 21.84 | 2.8 | ng | 82416 | 5 | 21.70 | 580957 | 20.0 |
| Hexacosane | 22.45 | 4.8 | ng | 139348 | 5 | 21.70 | 580957 | 20.0 |
| Tetratetracontane | 23.15 | 7.4 | ng | 213881 | 5 | 21.70 | 580957 | 20.0 |
| Octacosane | 23.95 | 14.7 | ng | 240771 | 6 | 24.99 | 328592 | 20.0 |
| Eicosane | 24.91 | 14.1 | ng | 231179 | 6 | 24.99 | 328592 | 20.0 |
| Tetrapentacontane | 27.42 | 6.5 | ng | 106570 | 6 | 24.99 | 328592 | 20.0 |