LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM013020\
Data File : BM024671.D
Acq On : 30 Jan 2020 22:43
Operator : CG/JU
Sample : L1318-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** RAINEY-PARK-BH-04-C

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_M\METHODS\8270-BM012320.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 | 5.069 | 365 | 371 | 382 | rBV | 2999364 | 4143647 | 34.16% | 7.386% |
| 2 | 6.628 | 628 | 636 | 649 | rBV | 2807898 | 4240313 | 34.96% | 7.559% |
| 3 | 7.428 | 765 | 772 | 782 | rBV | 598540 | 909547 | 7.50% | 1.621% |
| 4 | 7.745 | 818 | 826 | 833 | rBV | 2640634 | 4061111 | 33.48% | 7.239% |
| 5 | 8.569 | 958 | 966 | 978 | rBV | 1728259 | 2819238 | 23.24% | 5.026% |
| 6 | 10.186 | 1234 | 1241 | 1248 | rBV | 717181 | 1138877 | 9.39% | 2.030% |
| 7 | 12.692 | 1660 | 1667 | 1678 | rBV | 4969720 | 7191021 | 59.29% | 12.819% |
| 8 | 13.551 | 1807 | 1813 | 1820 | rBV | 181863 | 254607 | 2.10% | 0.454% |
| 9 | 14.080 | 1896 | 1903 | 1916 | rVB | 1082517 | 1586195 | 13.08% | 2.828% |
| 10 | 15.580 | 2151 | 2158 | 2179 | rBV | 4265443 | 6144363 | 50.66% | 10.953% |
| 11 | 16.827 | 2364 | 2370 | 2378 | rBV | 1365251 | 1936578 | 15.97% | 3.452% |
| 12 | 17.774 | 2524 | 2531 | 2542 | rBV | 290902 | 440143 | 3.63% | 0.785% |
| 13 | 19.068 | 2747 | 2751 | 2761 | rBV3 | 81723 | 130508 | 1.08% | 0.233% |
| 14 | 19.486 | 2817 | 2822 | 2833 | rBV | 9380170 | 12129552 | 100.00% | 21.622% |
| 15 | 20.797 | 3041 | 3045 | 3057 | rBV | 548651 | 723278 | 5.96% | 1.289% |
| 16 | 21.039 | 3081 | 3086 | 3094 | rBV | 2317601 | 2836955 | 23.39% | 5.057% |
| 17 | 21.244 | 3118 | 3121 | 3125 | rBV2 | 137711 | 141749 | 1.17% | 0.253% |
| 18 | 21.668 | 3189 | 3193 | 3197 | rBV | 225378 | 293836 | 2.42% | 0.524% |
| 19 | 22.103 | 3264 | 3267 | 3276 | rVB2 | 289577 | 361613 | 2.98% | 0.645% |
| 20 | 22.221 | 3283 | 3287 | 3291 | rVB | 294793 | 382897 | 3.16% | 0.683% |
| 21 | 22.580 | 3344 | 3348 | 3353 | rVB | 297708 | 386071 | 3.18% | 0.688% |
| 22 | 23.109 | 3434 | 3438 | 3439 | rBV2 | 246953 | 341271 | 2.81% | 0.608% |
| 23 | 23.144 | 3439 | 3444 | 3457 | rVB | 1719801 | 3145463 | 25.93% | 5.607% |
| 24 | 23.703 | 3536 | 3539 | 3545 | rVB | 218034 | 358973 | 2.96% | 0.640% |

Sum of corrected areas: 56097806

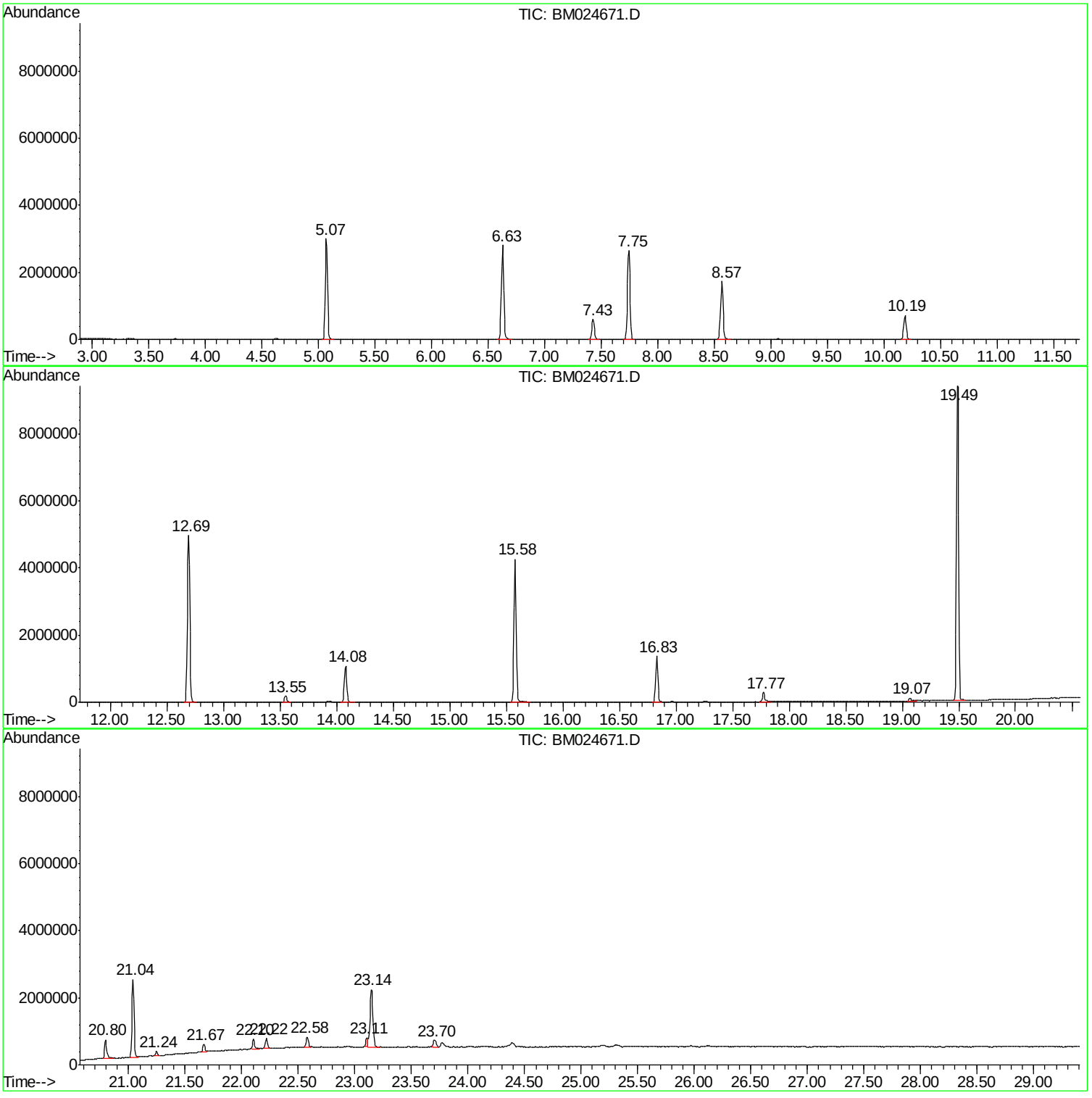
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM013020\
Data File : BM024671.D
Acq On : 30 Jan 2020 22:43
Operator : CG/JU
Sample : L1318-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
RAINEY-PARK-BH-04-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.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 M\DATA\BM013020\
Data File : BM024671.D
Acq On : 30 Jan 2020 22:43
Operator : CG/JU
Sample : L1318-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
RAINEY-PARK-BH-04-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

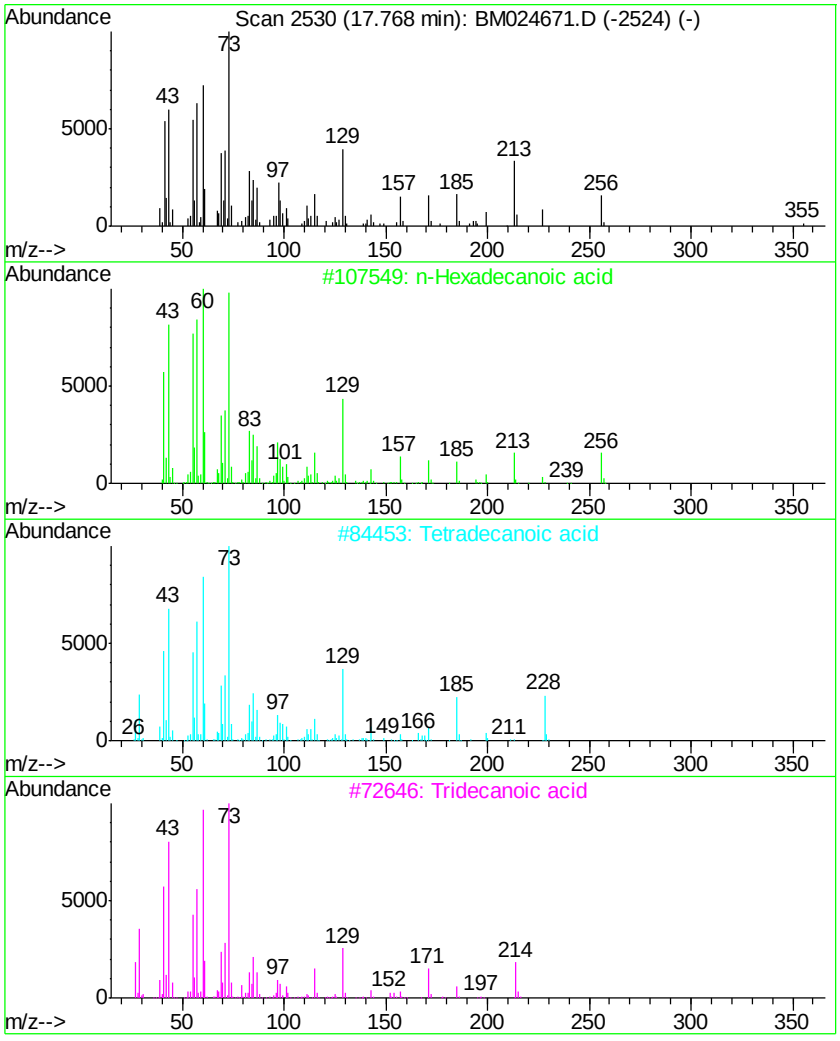
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

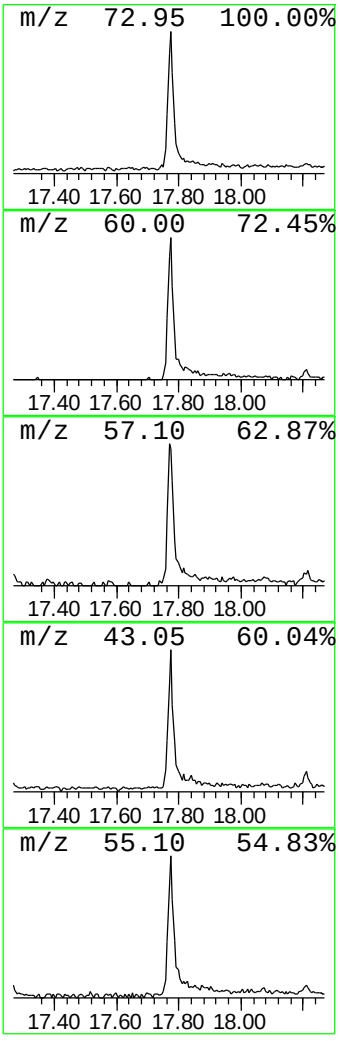
**********

Peak Number 2 n-Hexadecanoic acid Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.77 | 4.55 ng | 440143 | Phenanthrene-d10 | 16.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 91 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 90 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 83 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 62 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM013020\
Data File : BM024671.D
Acq On : 30 Jan 2020 22:43
Operator : CG/JU
Sample : L1318-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** RAINEY-PARK-BH-04-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

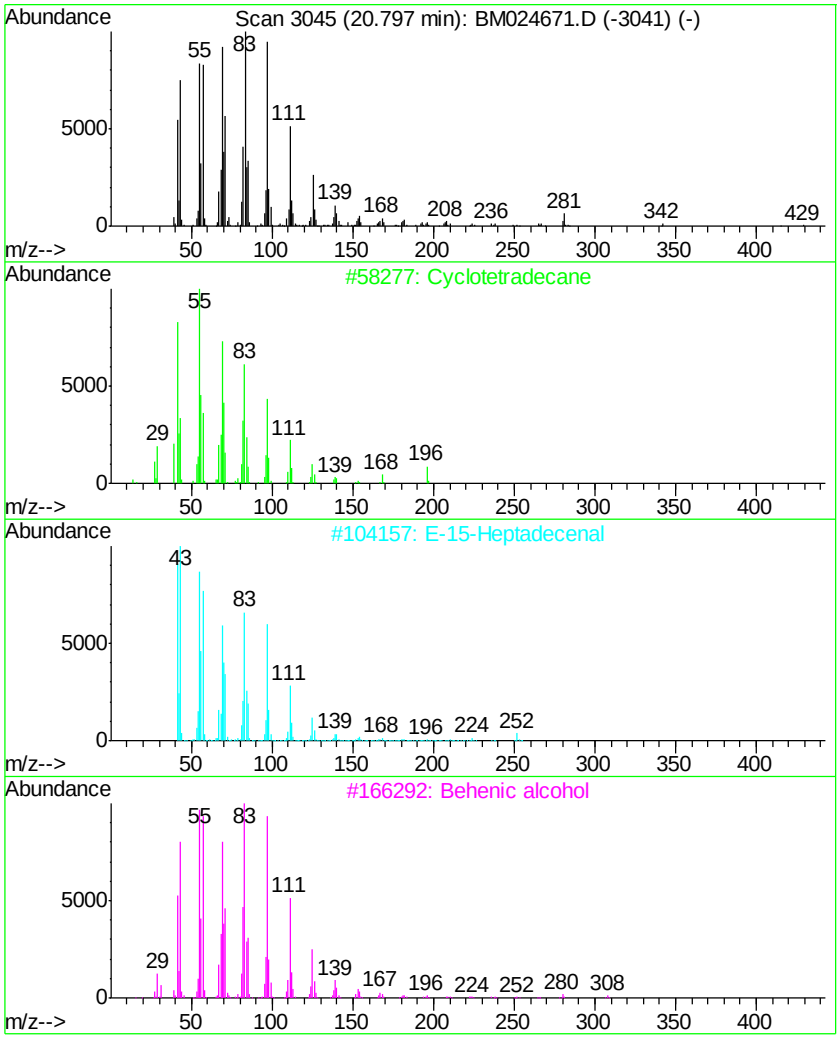
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

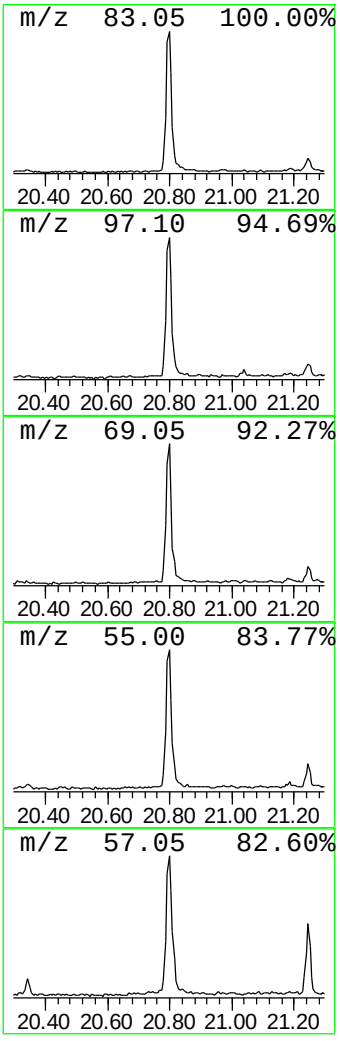
**********

Peak Number 3 Cyclotetradecane Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.80 | 5.10 ng | 723278 | Chrysene-d12 | 21.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotetradecane | 196 | C14H28 | 000295-17-0 | 97 |
| 2 | E-15-Heptadecenal | 252 | C17H32O | 1000130-97-9 | 96 |
| 3 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 95 |
| 4 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 95 |
| 5 | 1-Heptacosanol | 396 | C27H56O | 002004-39-9 | 93 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM013020\
Data File : BM024671.D
Acq On : 30 Jan 2020 22:43
Operator : CG/JU
Sample : L1318-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** RAINEY-PARK-BH-04-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

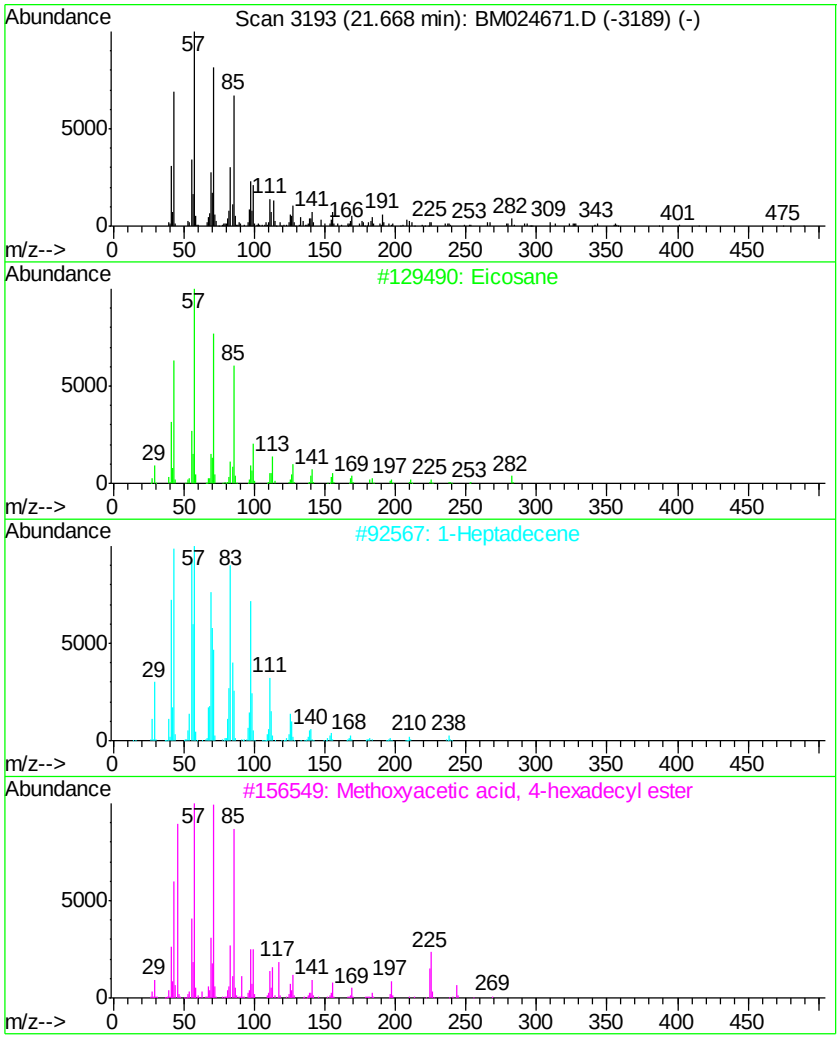
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

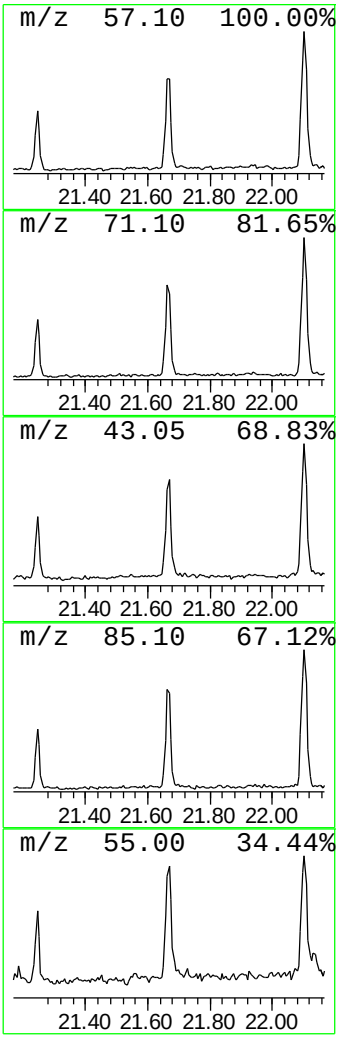
**********

Peak Number 4 Eicosane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.67 | 2.07 ng | 293836 | Chrysene-d12 | 21.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 98 |
| 2 | 1-Heptadecene | 238 | C17H34 | 006765-39-5 | 91 |
| 3 | Methoxyacetic acid, 4-hexadecyl ... | 314 | C19H38O3 | 1000282-99-0 | 91 |
| 4 | 2-methylhexacosane | 380 | C27H56 | 1000376-72-7 | 87 |
| 5 | Triacontane, 1-bromo- | 500 | C30H61Br | 004209-22-7 | 87 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM013020\
Data File : BM024671.D
Acq On : 30 Jan 2020 22:43
Operator : CG/JU
Sample : L1318-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
RAINEY-PARK-BH-04-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

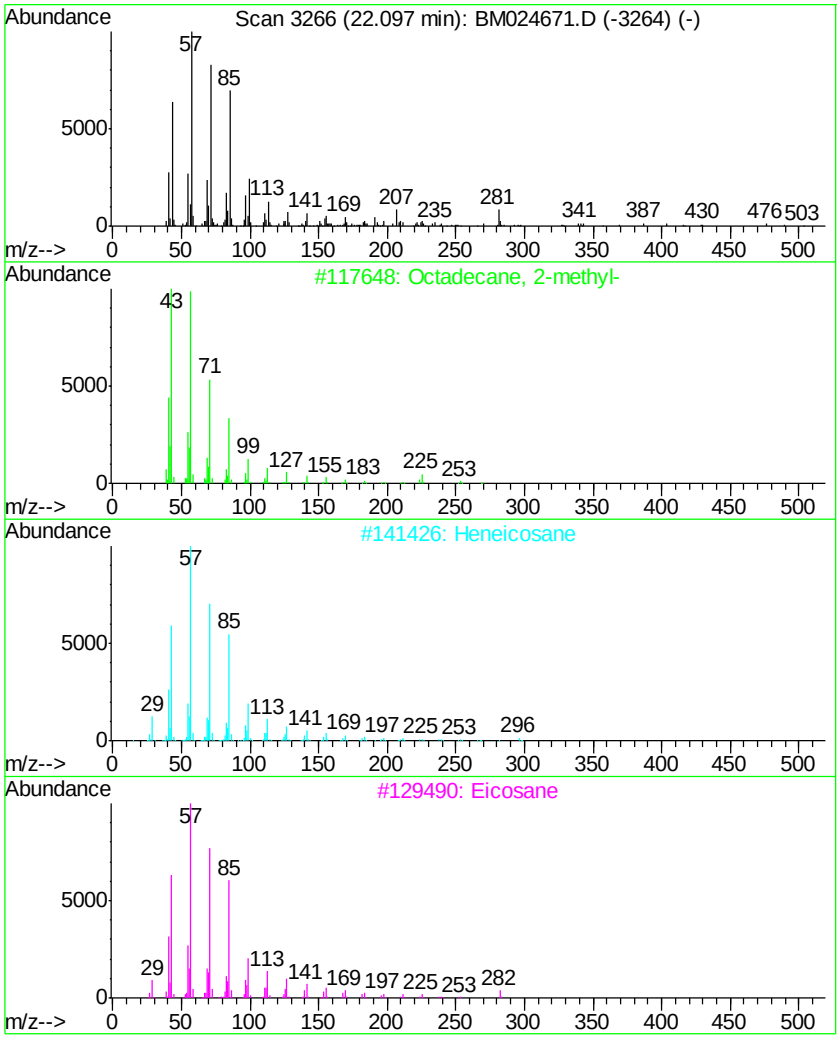
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

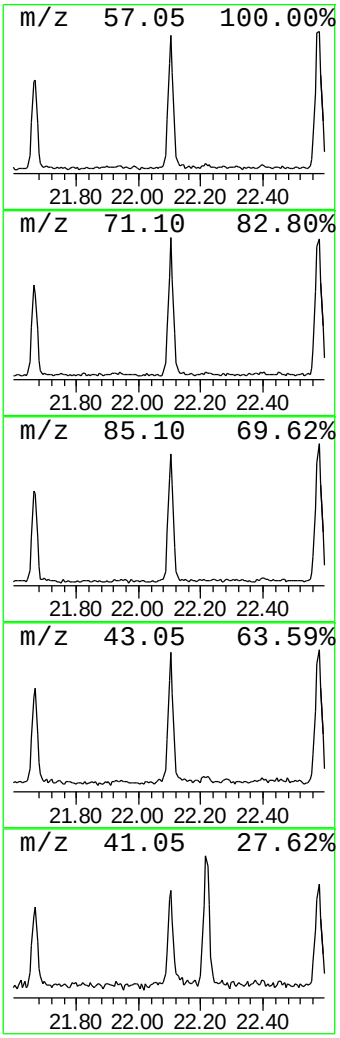
**********

Peak Number 5 Octadecane, 2-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.10 | 2.30 ng | 361613 | Perylene-d12 | 23.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane, 2-methyl- | 268 | C19H40 | 001560-88-9 | 93 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 3 | Eicosane | 282 | C20H42 | 000112-95-8 | 90 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 5 | Pentacosane | 352 | C25H52 | 000629-99-2 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM013020\
Data File : BM024671.D
Acq On : 30 Jan 2020 22:43
Operator : CG/JU
Sample : L1318-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** RAINEY-PARK-BH-04-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

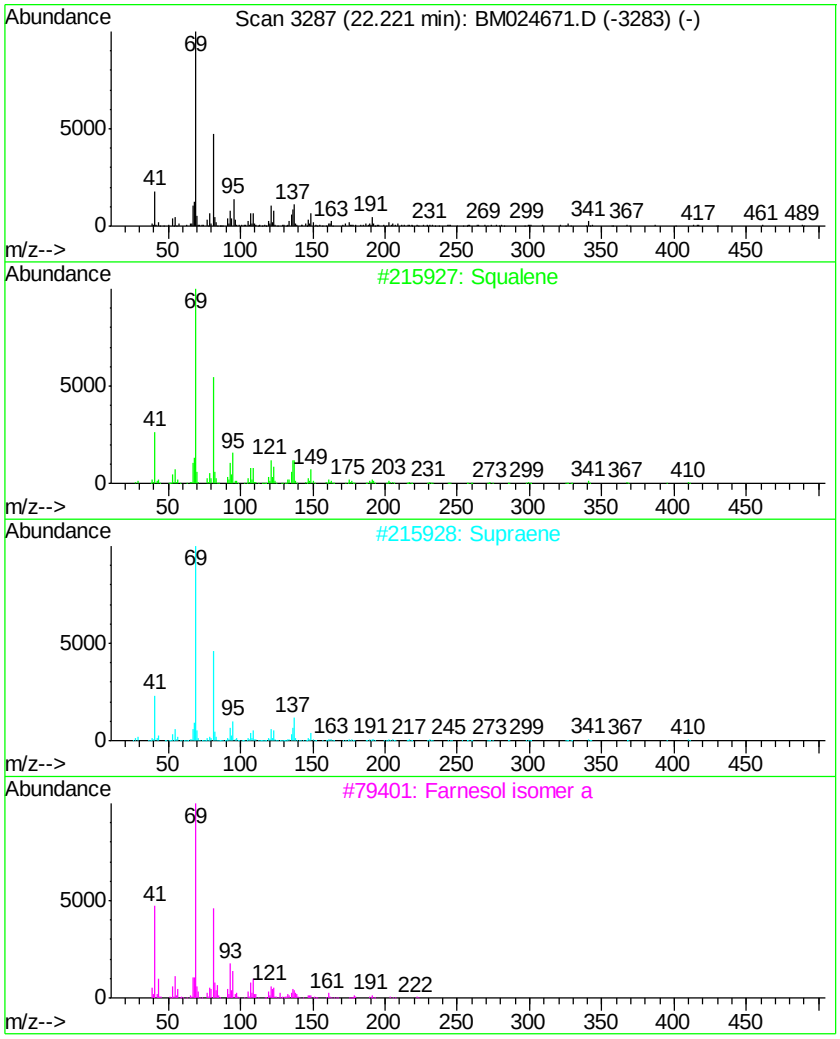
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

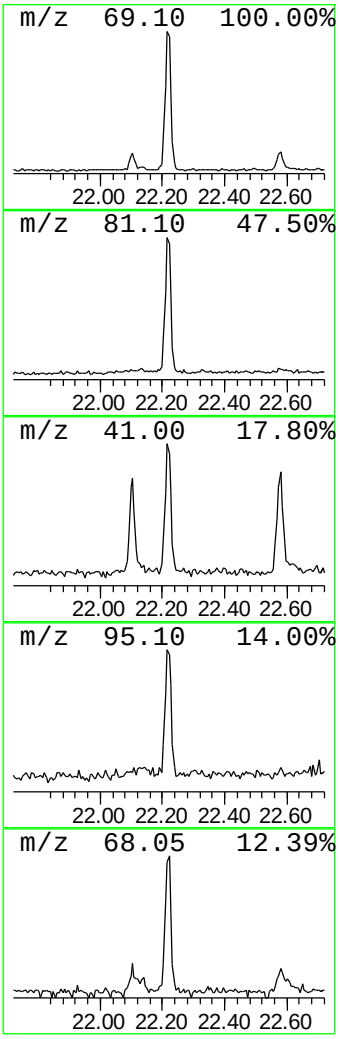
**********

Peak Number 6 Squalene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.22 | 2.43 ng | 382897 | Perylene-d12 | 23.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Squalene | 410 | C30H50 | 000111-02-4 | 87 |
| 2 | Supraene | 410 | C30H50 | 007683-64-9 | 83 |
| 3 | Farnesol isomer a | 222 | C15H26O | 1000108-92-4 | 81 |
| 4 | 7,11-Dimethyldodeca-2,6,10-trien... | 208 | C14H24O | 125529-10-4 | 64 |
| 5 | 2,6,10,14-Hexadecatetraen-1-ol, ... | 332 | C22H36O2 | 061691-98-3 | 64 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM013020\
Data File : BM024671.D
Acq On : 30 Jan 2020 22:43
Operator : CG/JU
Sample : L1318-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** RAINEY-PARK-BH-04-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

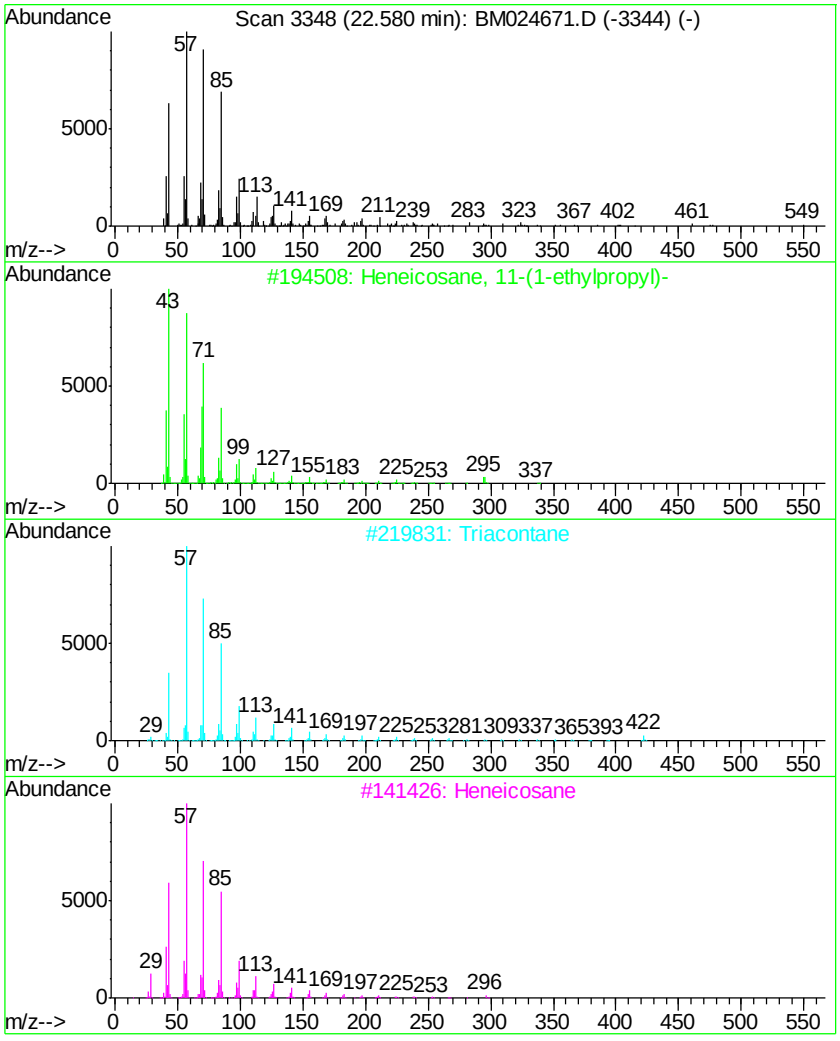
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

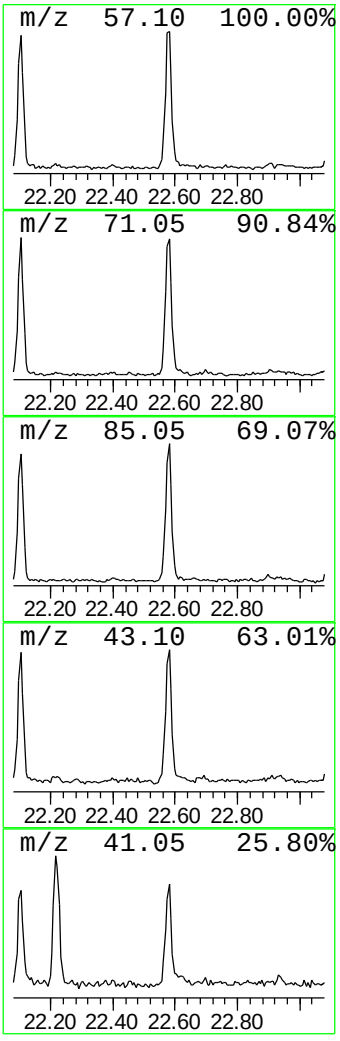
**********

Peak Number 7 Heneicosane, 11-(1-ethylpro... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.58 | 2.45 ng | 386071 | Perylene-d12 | 23.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54 | 055282-11-6 | 91 |
| 2 | Triacontane | 422 | C30H62 | 000638-68-6 | 91 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 4 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |
| 5 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM013020\
Data File : BM024671.D
Acq On : 30 Jan 2020 22:43
Operator : CG/JU
Sample : L1318-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** RAINEY-PARK-BH-04-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

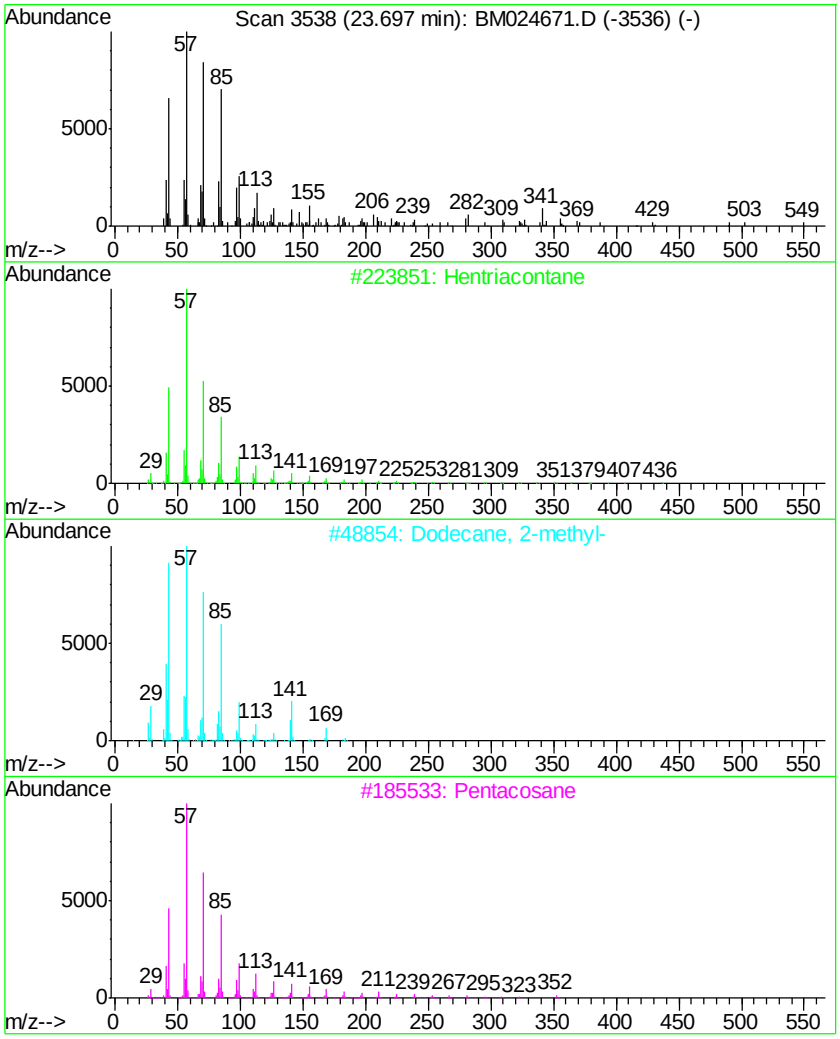
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

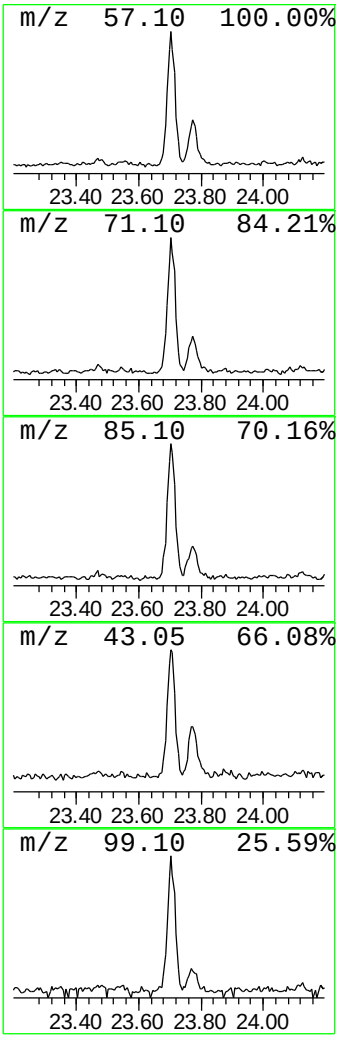
**********

Peak Number 8 Hentriacontane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.70 | 2.28 ng | 358973 | Perylene-d12 | 23.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 87 |
| 2 | Dodecane, 2-methyl- | 184 | C13H28 | 001560-97-0 | 87 |
| 3 | Pentacosane | 352 | C25H52 | 000629-99-2 | 83 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 83 |
| 5 | Tetracontane | 563 | C40H82 | 004181-95-7 | 83 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM013020\
Data File : BM024671.D
Acq On : 30 Jan 2020 22:43
Operator : CG/JU
Sample : L1318-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** RAINEY-PARK-BH-04-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.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 |
| n-Hexadecanoic acid | 17.77 | 4.5 | ng | 440143 | 4 | 16.83 | 1936580 | 20.0 |
| Cyclotetradecane | 20.80 | 5.1 | ng | 723278 | 5 | 21.04 | 2836960 | 20.0 |
| Eicosane | 21.67 | 2.1 | ng | 293836 | 5 | 21.04 | 2836960 | 20.0 |
| Octadecane, 2-met... | 22.10 | 2.3 | ng | 361613 | 6 | 23.14 | 3145460 | 20.0 |
| Squalene | 22.22 | 2.4 | ng | 382897 | 6 | 23.14 | 3145460 | 20.0 |
| Heneicosane, 11-(... | 22.58 | 2.5 | ng | 386071 | 6 | 23.14 | 3145460 | 20.0 |
| Hentriacontane | 23.70 | 2.3 | ng | 358973 | 6 | 23.14 | 3145460 | 20.0 |