# LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
Data File : BF115050.D
Acq On : 14 Jun 2019 19:58
Operator : HP/JU
Sample : K3351-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RT-3407

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_F\METHODS\8270-BF061219.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 | 5.263 | 534 | 540 | 543 | rBV | 5563248 | 6157884 | 92.06% | 10.438% |
| 2 | 6.292 | 709 | 715 | 718 | rBV | 5030687 | 6512937 | 97.37% | 11.040% |
| 3 | 6.416 | 731 | 736 | 739 | rBV | 6054308 | 6688763 | 100.00% | 11.338% |
| 4 | 6.645 | 771 | 775 | 785 | rVB | 1806063 | 1557840 | 23.29% | 2.641% |
| 5 | 6.804 | 797 | 802 | 805 | rBV | 5251900 | 5002733 | 74.79% | 8.480% |
| 6 | 7.210 | 865 | 871 | 874 | rBV | 3942572 | 4252155 | 63.57% | 7.208% |
| 7 | 7.922 | 988 | 992 | 999 | rBV | 2016464 | 2010943 | 30.06% | 3.409% |
| 8 | 9.004 | 1170 | 1176 | 1179 | rBV | 6604181 | 6424687 | 96.05% | 10.890% |
| 9 | 9.392 | 1238 | 1242 | 1255 | rVB | 842786 | 781595 | 11.69% | 1.325% |
| 10 | 9.669 | 1284 | 1289 | 1293 | rBV | 2274513 | 2259246 | 33.78% | 3.830% |
| 11 | 10.457 | 1418 | 1423 | 1426 | rBV | 4134296 | 3893372 | 58.21% | 6.599% |
| 12 | 11.145 | 1536 | 1540 | 1543 | rBV | 2572485 | 2195631 | 32.83% | 3.722% |
| 13 | 11.169 | 1543 | 1544 | 1548 | rVB | 174959 | 94630 | 1.41% | 0.160% |
| 14 | 11.692 | 1630 | 1633 | 1642 | rBV2 | 262350 | 336284 | 5.03% | 0.570% |
| 15 | 12.345 | 1741 | 1744 | 1749 | rBV | 179088 | 169321 | 2.53% | 0.287% |
| 16 | 12.474 | 1763 | 1766 | 1774 | rBV6 | 37690 | 69265 | 1.04% | 0.117% |
| 17 | 12.574 | 1778 | 1783 | 1786 | rBV | 132742 | 142523 | 2.13% | 0.242% |
| 18 | 12.727 | 1804 | 1809 | 1812 | rBV | 5722770 | 5584819 | 83.50% | 9.467% |
| 19 | 13.645 | 1962 | 1965 | 1971 | rVB | 89087 | 91226 | 1.36% | 0.155% |
| 20 | 13.768 | 1981 | 1986 | 1989 | rBV | 1746205 | 1768714 | 26.44% | 2.998% |
| 21 | 13.957 | 2015 | 2018 | 2027 | rVB | 135631 | 153756 | 2.30% | 0.261% |
| 22 | 14.263 | 2066 | 2070 | 2074 | rBV | 157216 | 162914 | 2.44% | 0.276% |
| 23 | 14.415 | 2092 | 2096 | 2100 | rBV2 | 61975 | 91418 | 1.37% | 0.155% |
| 24 | 14.551 | 2116 | 2119 | 2124 | rBV | 168533 | 161671 | 2.42% | 0.274% |
| 25 | 14.763 | 2152 | 2155 | 2163 | rVB | 29178 | 68230 | 1.02% | 0.116% |
| 26 | 14.857 | 2167 | 2171 | 2179 | rVV | 205730 | 218677 | 3.27% | 0.371% |
| 27 | 15.145 | 2215 | 2220 | 2225 | rBV | 1195528 | 1466560 | 21.93% | 2.486% |
| 28 | 15.198 | 2225 | 2229 | 2237 | rVB | 207247 | 268637 | 4.02% | 0.455% |
| 29 | 15.586 | 2289 | 2295 | 2302 | rBV | 165245 | 250911 | 3.75% | 0.425% |
| 30 | 16.027 | 2366 | 2370 | 2381 | rVB3 | 92064 | 157729 | 2.36% | 0.267% |

Sum of corrected areas: 58995071

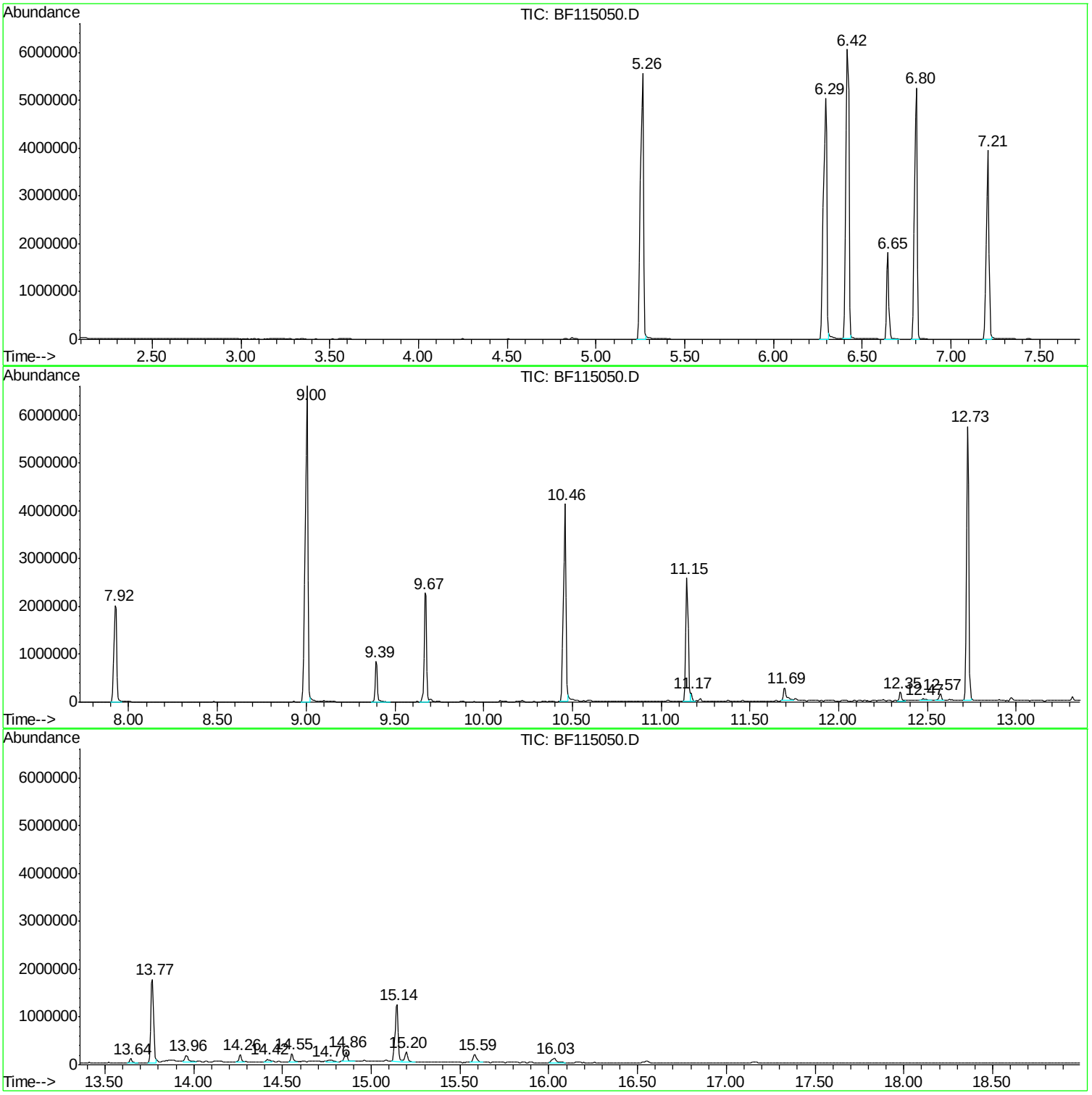
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
Data File : BF115050.D
Acq On : 14 Jun 2019 19:58
Operator : HP/JU
Sample : K3351-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RT-3407

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.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 F\DATA\BF061419\
Data File : BF115050.D
Acq On : 14 Jun 2019 19:58
Operator : HP/JU
Sample : K3351-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RT-3407

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

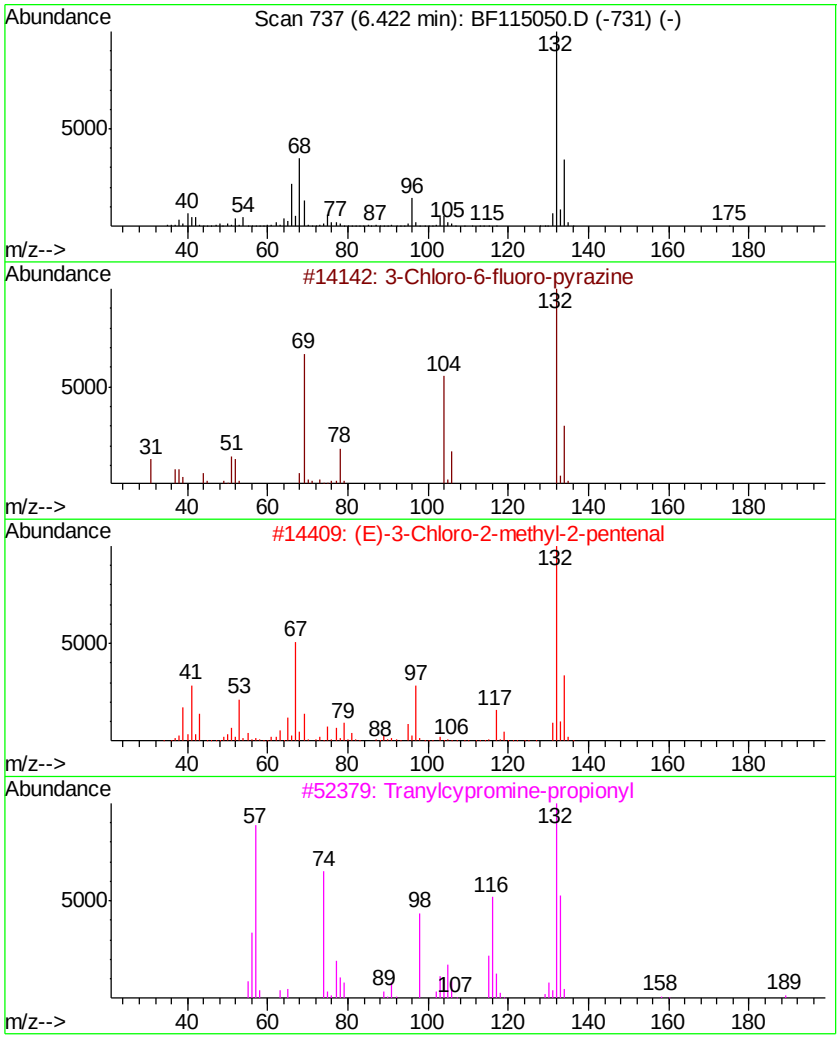
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

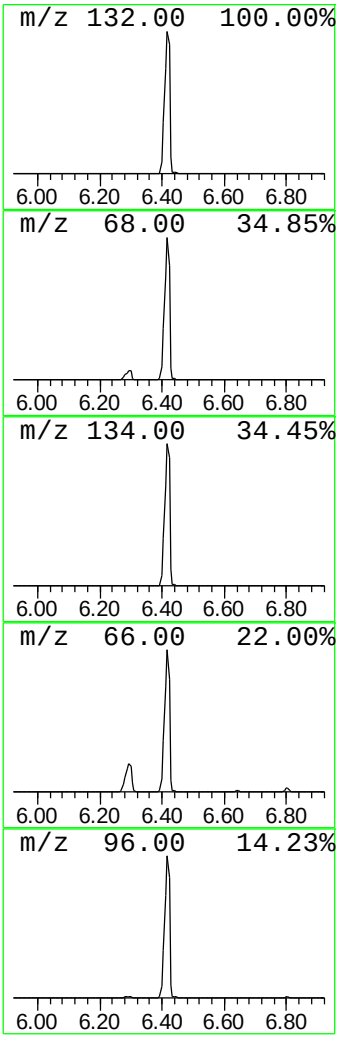
**********

Peak Number 1 unknown6.42 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.42 | 85.87 ng | 6688760 | 1,4-Dichlorobenzene-d4 | 6.65 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 12 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 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 F\DATA\BF061419\
Data File : BF115050.D
Acq On : 14 Jun 2019 19:58
Operator : HP/JU
Sample : K3351-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RT-3407

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

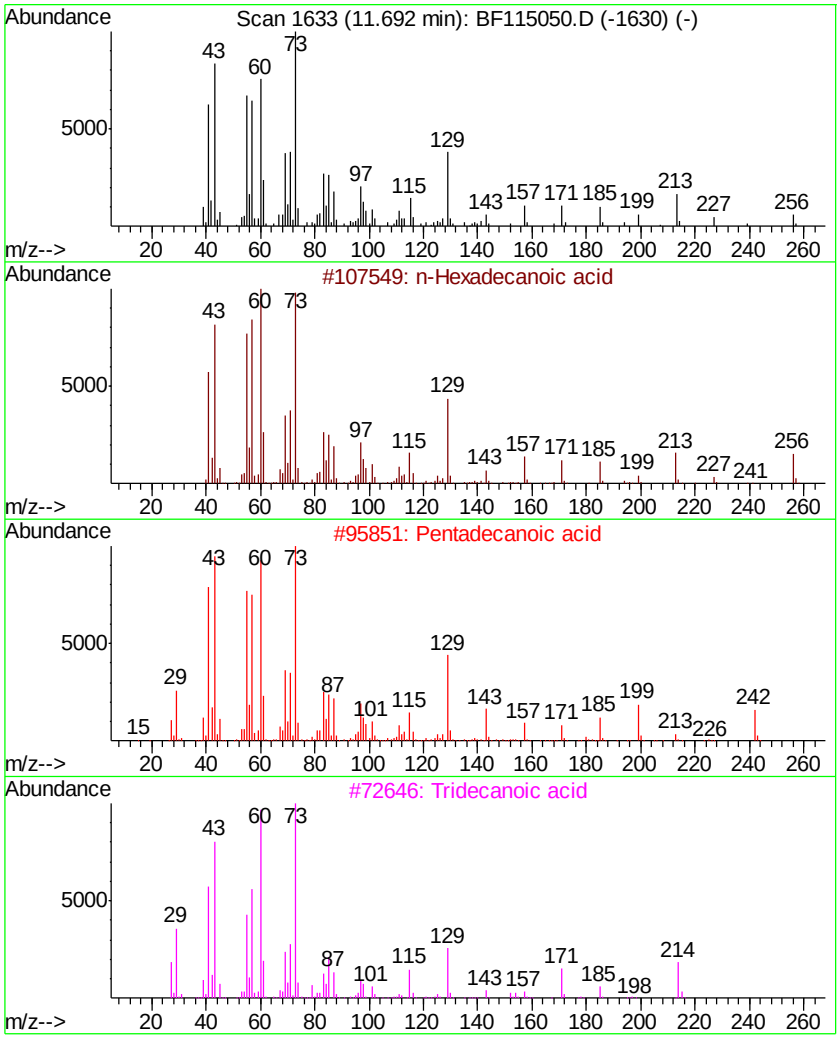
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

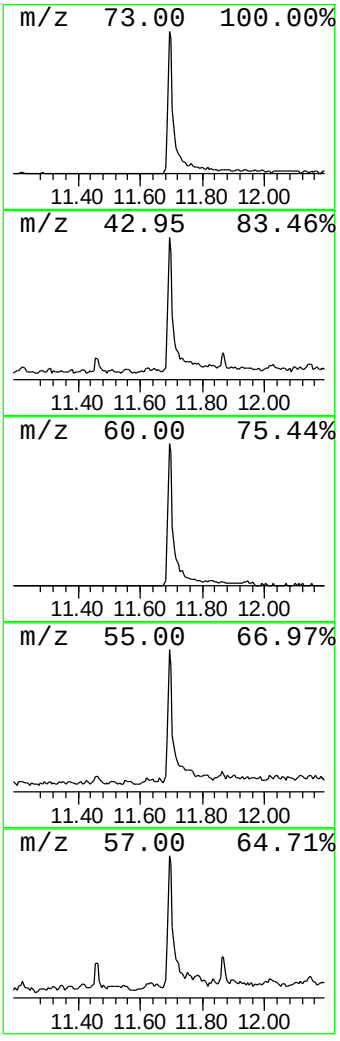
**********

Peak Number 3 n-Hexadecanoic acid Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.69 | 3.06 ng | 336284 | Phenanthrene-d10 | 11.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 93 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 89 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 72 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 60 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
Data File : BF115050.D
Acq On : 14 Jun 2019 19:58
Operator : HP/JU
Sample : K3351-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RT-3407

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

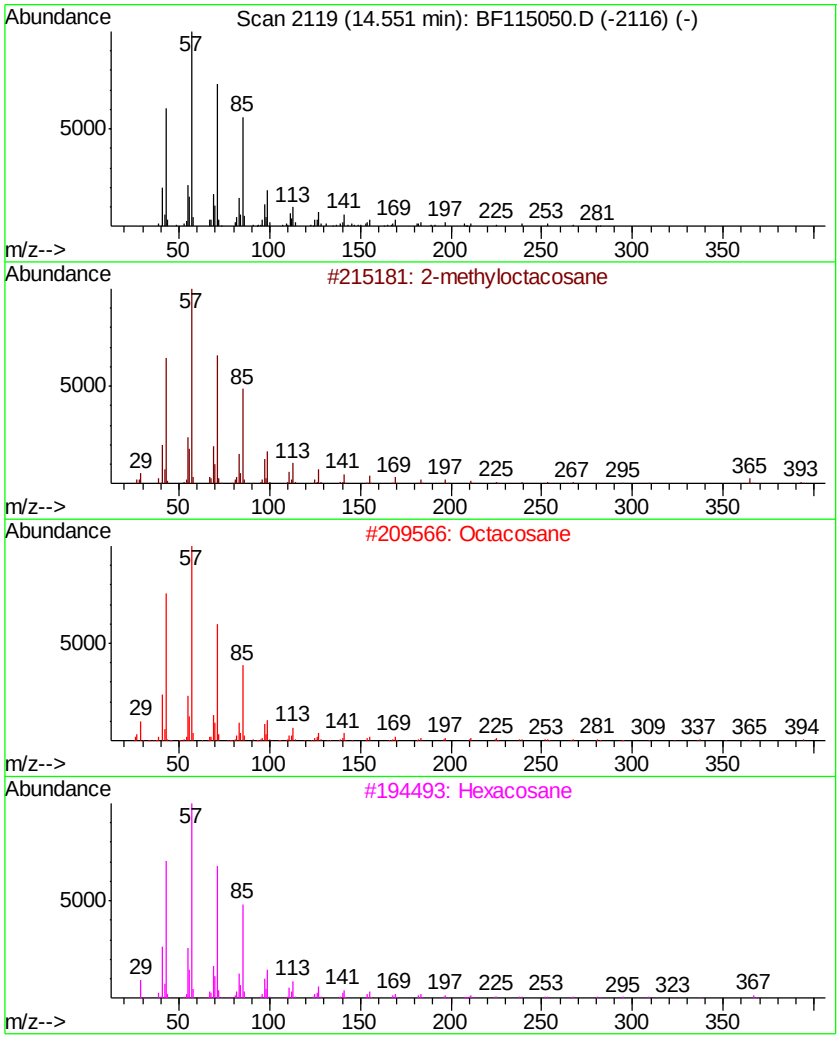
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

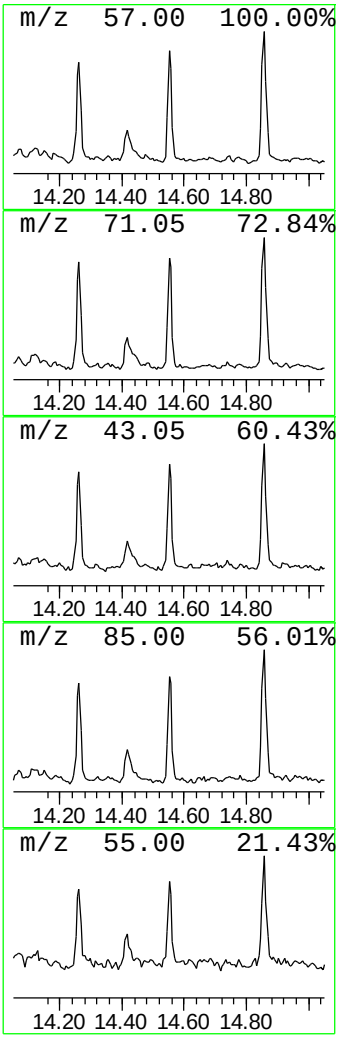
**********

Peak Number 4 2-methyloctacosane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.55 | 2.20 ng | 161671 | Perylene-d12 | 15.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 2 | Octacosane | 394 | C28H58 | 000630-02-4 | 90 |
| 3 | Hexacosane | 366 | C26H54 | 000630-01-3 | 90 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 5 | Tetracosane | 338 | C24H50 | 000646-31-1 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
Data File : BF115050.D
Acq On : 14 Jun 2019 19:58
Operator : HP/JU
Sample : K3351-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RT-3407

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

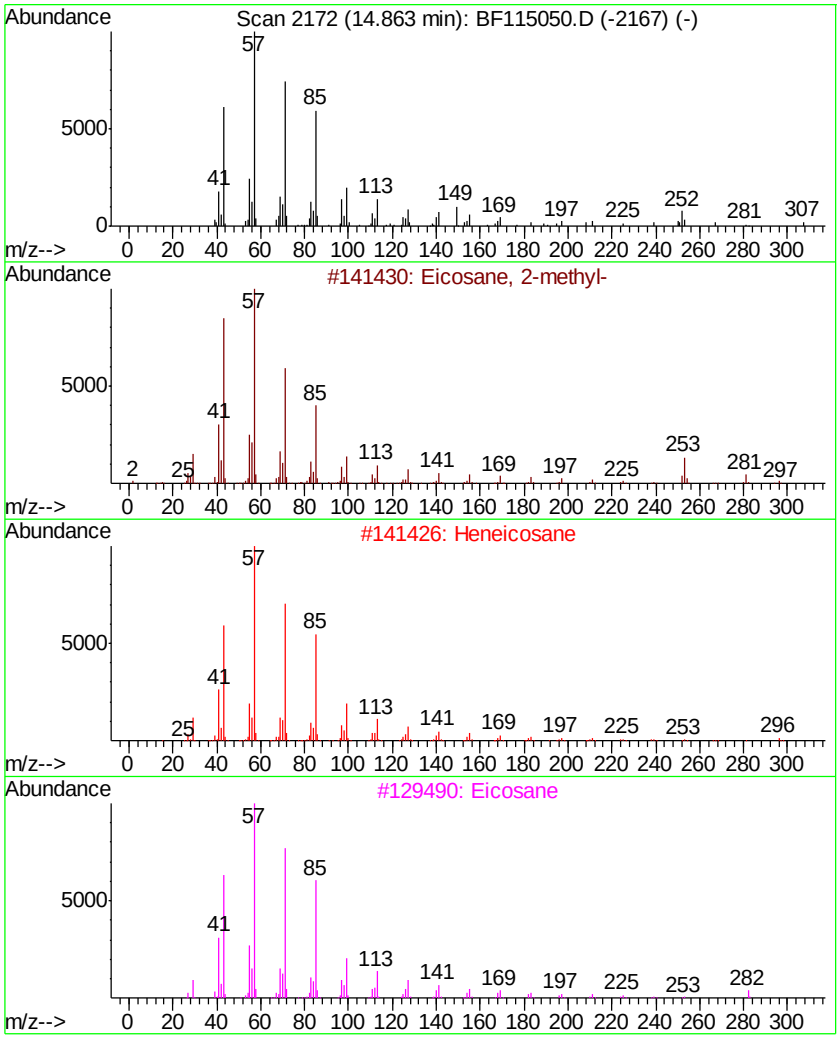
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

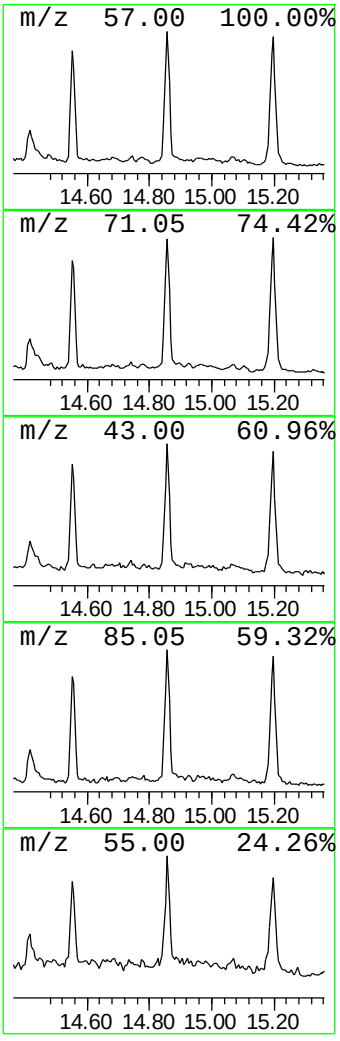
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.86 | 2.98 ng | 218677 | Perylene-d12 | 15.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane, 2-methyl- | 296 | C21H44 | 001560-84-5 | 91 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 3 | Eicosane | 282 | C20H42 | 000112-95-8 | 90 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 87 |
| 5 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 87 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
Data File : BF115050.D
Acq On : 14 Jun 2019 19:58
Operator : HP/JU
Sample : K3351-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RT-3407

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

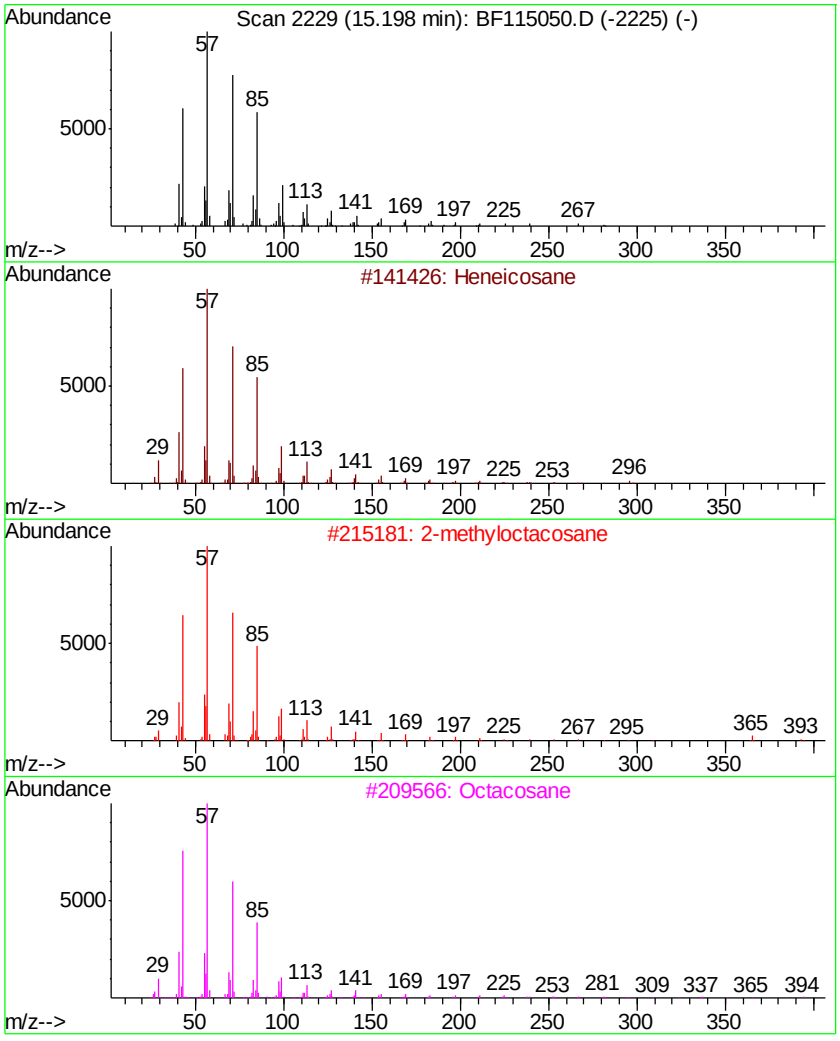
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

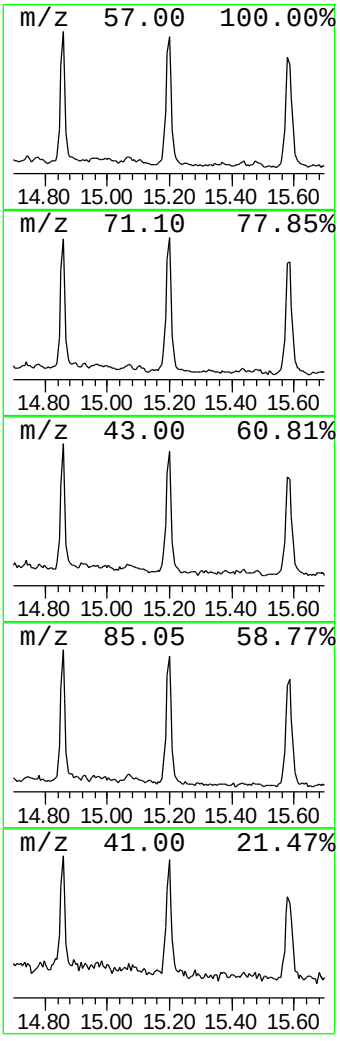
**********

Peak Number 6 Heneicosane Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.20 | 3.66 ng | 268637 | Perylene-d12 | 15.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 2 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 3 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 4 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |
| 5 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
Data File : BF115050.D
Acq On : 14 Jun 2019 19:58
Operator : HP/JU
Sample : K3351-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RT-3407

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

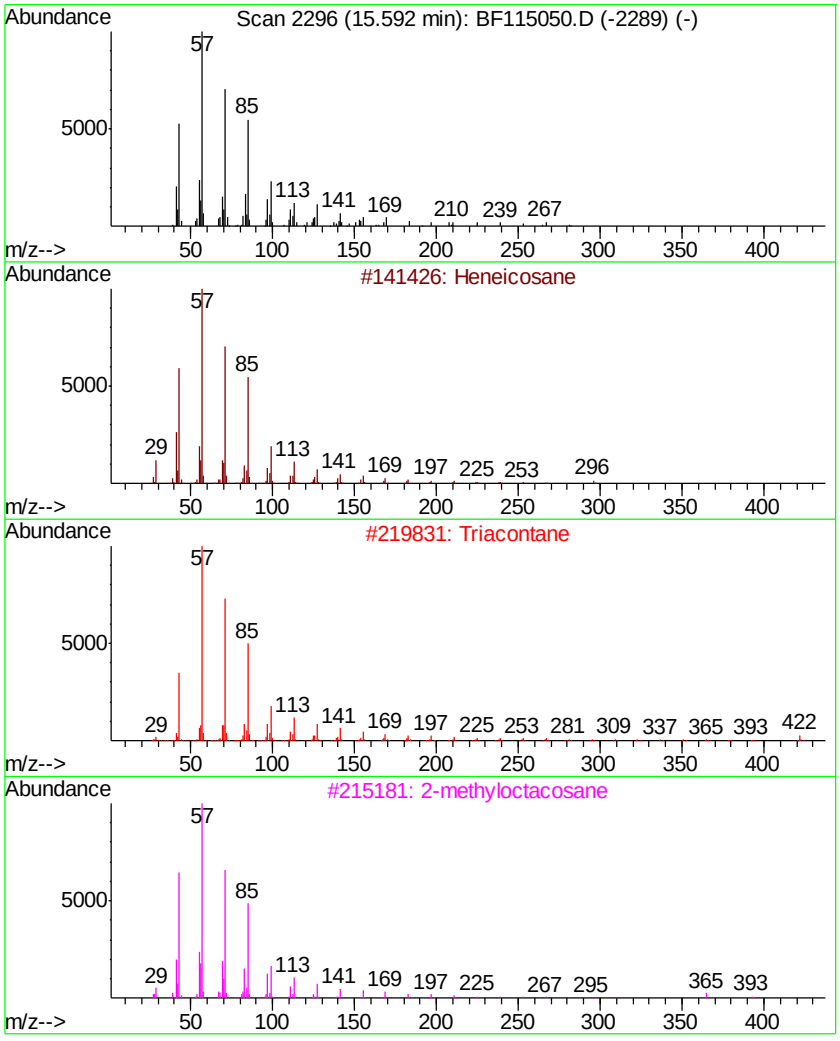
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

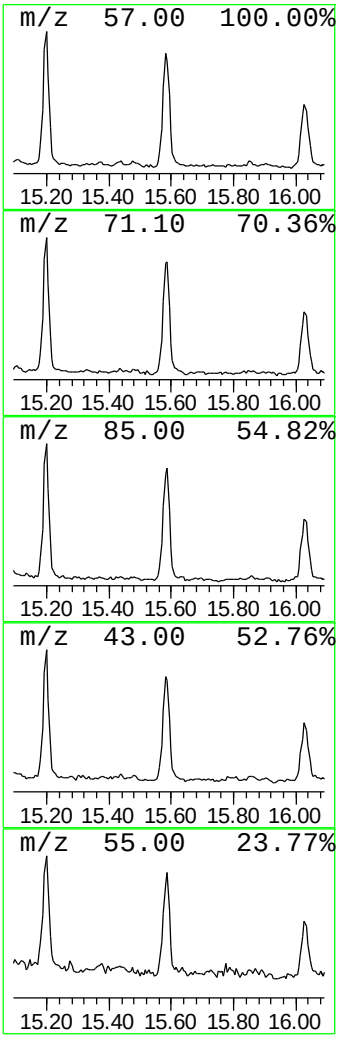
**********

Peak Number 7 Triacontane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.59 | 3.42 ng | 250911 | Perylene-d12 | 15.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 2 | Triacontane | 422 | C30H62 | 000638-68-6 | 91 |
| 3 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 5 | Hexacosane | 366 | C26H54 | 000630-01-3 | 90 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
Data File : BF115050.D
Acq On : 14 Jun 2019 19:58
Operator : HP/JU
Sample : K3351-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RT-3407

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

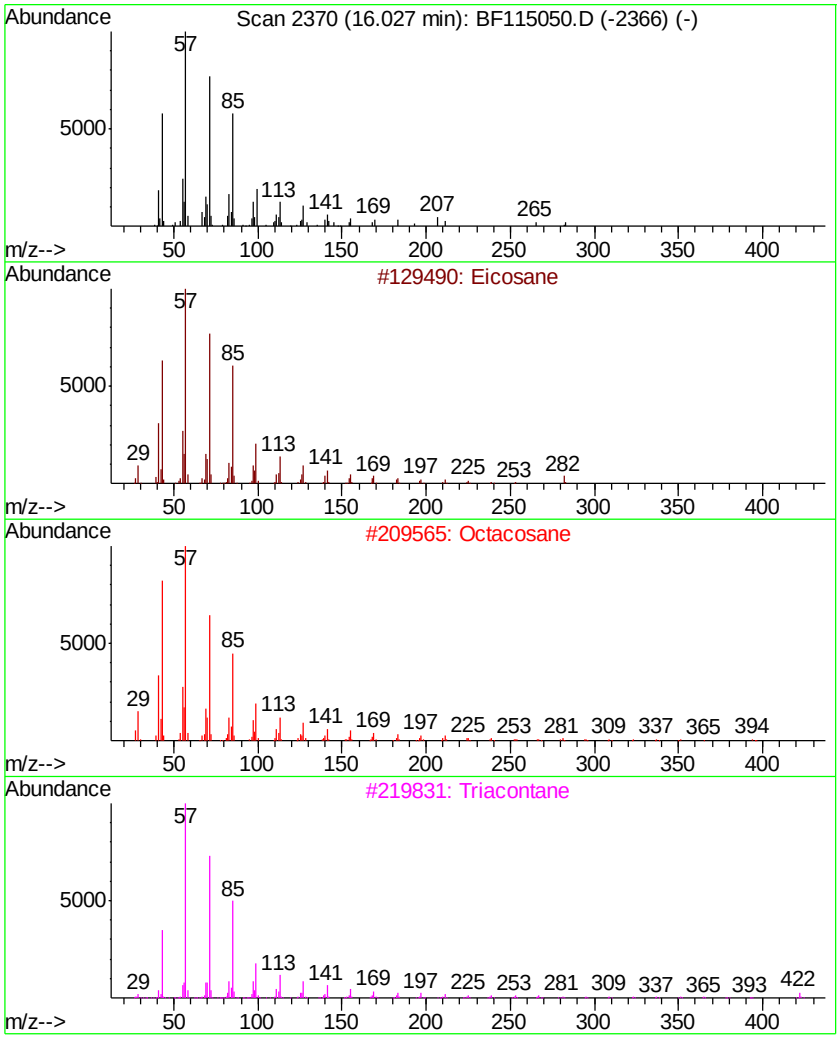
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

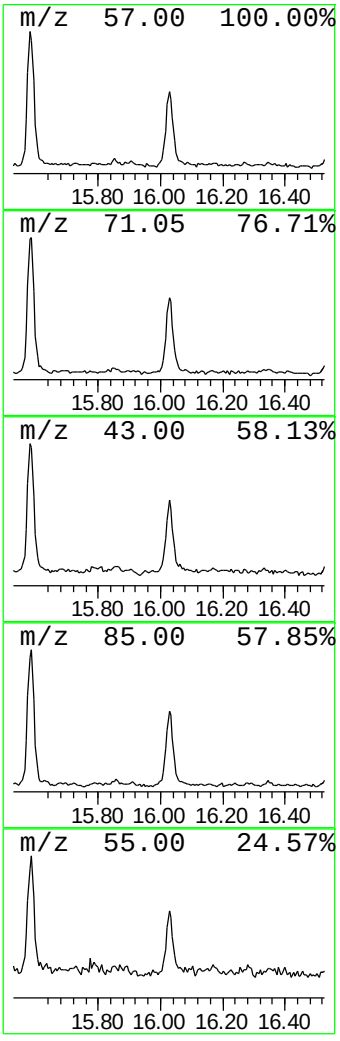
**********

Peak Number 8 Octacosane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.03 | 2.15 ng | 157729 | Perylene-d12 | 15.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 97 |
| 2 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 3 | Triacontane | 422 | C30H62 | 000638-68-6 | 91 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 5 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061419\
Data File : BF115050.D
Acq On : 14 Jun 2019 19:58
Operator : HP/JU
Sample : K3351-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RT-3407

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.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 |
| unknown6.42 | 6.42 | 85.9 | ng | 6688760 | 1 | 6.65 | 1557840 | 20.0 |
| n-Hexadecanoic acid | 11.69 | 3.1 | ng | 336284 | 4 | 11.15 | 2195630 | 20.0 |
| 2-methyloctacosane | 14.55 | 2.2 | ng | 161671 | 6 | 15.14 | 1466560 | 20.0 |
| Eicosane, 2-methyl- | 14.86 | 3.0 | ng | 218677 | 6 | 15.14 | 1466560 | 20.0 |
| Heneicosane | 15.20 | 3.7 | ng | 268637 | 6 | 15.14 | 1466560 | 20.0 |
| Triacontane | 15.59 | 3.4 | ng | 250911 | 6 | 15.14 | 1466560 | 20.0 |
| Octacosane | 16.03 | 2.1 | ng | 157729 | 6 | 15.14 | 1466560 | 20.0 |