LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012079.D
Acq On : 11 Oct 2017 21:33
Operator : SJ/JU
Sample : I5649-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-57(2-4)-100317

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.258 | 25 | 29 | 36 | rVB | 68734 | 95399 | 1.81% | 0.134% |
| 2 | 3.787 | 114 | 119 | 124 | rBV | 99567 | 135262 | 2.56% | 0.189% |
| 3 | 5.334 | 376 | 382 | 391 | rVB | 454652 | 671584 | 12.72% | 0.940% |
| 4 | 7.004 | 656 | 666 | 681 | rBV | 980907 | 1765204 | 33.44% | 2.472% |
| 5 | 7.169 | 686 | 694 | 706 | rVB | 856529 | 1337803 | 25.34% | 1.873% |
| 6 | 7.369 | 721 | 728 | 741 | rBV | 1133700 | 1852413 | 35.09% | 2.594% |
| 7 | 7.840 | 799 | 808 | 816 | rBV | 1194406 | 1939468 | 36.74% | 2.716% |
| 8 | 7.969 | 824 | 830 | 839 | rVB | 98487 | 156667 | 2.97% | 0.219% |
| 9 | 8.051 | 839 | 844 | 850 | rBV2 | 61063 | 98610 | 1.87% | 0.138% |
| 10 | 8.545 | 922 | 928 | 936 | rBV | 947580 | 1678824 | 31.80% | 2.351% |
| 11 | 9.004 | 998 | 1006 | 1021 | rBV | 1035851 | 1849423 | 35.03% | 2.590% |
| 12 | 9.728 | 1117 | 1129 | 1140 | rBV | 899850 | 1627938 | 30.84% | 2.280% |
| 13 | 10.269 | 1213 | 1221 | 1233 | rBV | 1267988 | 2331116 | 44.16% | 3.265% |
| 14 | 10.645 | 1278 | 1285 | 1291 | rBV | 1600772 | 2694466 | 51.04% | 3.773% |
| 15 | 10.698 | 1291 | 1294 | 1301 | rVB | 37997 | 59534 | 1.13% | 0.083% |
| 16 | 10.786 | 1301 | 1309 | 1327 | rBV | 916294 | 1803016 | 34.15% | 2.525% |
| 17 | 12.051 | 1517 | 1524 | 1531 | rBV3 | 32024 | 60561 | 1.15% | 0.085% |
| 18 | 13.292 | 1730 | 1735 | 1743 | rBV3 | 39929 | 64308 | 1.22% | 0.090% |
| 19 | 13.810 | 1818 | 1823 | 1828 | rBV5 | 27997 | 53422 | 1.01% | 0.075% |
| 20 | 13.892 | 1828 | 1837 | 1842 | rBV | 2341656 | 3456657 | 65.48% | 4.841% |
| 21 | 13.939 | 1842 | 1845 | 1852 | rVB | 1037696 | 1424785 | 26.99% | 1.995% |
| 22 | 14.180 | 1880 | 1886 | 1899 | rBV | 2863726 | 4162651 | 78.85% | 5.829% |
| 23 | 14.369 | 1914 | 1918 | 1927 | rVB | 83647 | 118716 | 2.25% | 0.166% |
| 24 | 14.492 | 1927 | 1939 | 1950 | rBV2 | 2192386 | 3548768 | 67.22% | 4.970% |
| 25 | 14.698 | 1968 | 1974 | 1989 | rBV | 365250 | 820907 | 15.55% | 1.150% |
| 26 | 14.886 | 2000 | 2006 | 2010 | rBV6 | 30902 | 56314 | 1.07% | 0.079% |
| 27 | 15.321 | 2075 | 2080 | 2085 | rVB | 119265 | 152528 | 2.89% | 0.214% |
| 28 | 15.480 | 2099 | 2107 | 2114 | rBV | 3371194 | 4814789 | 91.21% | 6.743% |
| 29 | 15.610 | 2124 | 2129 | 2141 | rBV | 447584 | 705999 | 13.37% | 0.989% |
| 30 | 15.721 | 2142 | 2148 | 2153 | rVB2 | 92716 | 162648 | 3.08% | 0.228% |
| 31 | 15.821 | 2161 | 2165 | 2171 | rBV9 | 35389 | 56922 | 1.08% | 0.080% |
| 32 | 16.180 | 2221 | 2226 | 2229 | rBV | 139953 | 216980 | 4.11% | 0.304% |
| 33 | 16.521 | 2278 | 2284 | 2286 | rBV7 | 35498 | 64024 | 1.21% | 0.090% |
| 34 | 16.768 | 2321 | 2326 | 2332 | rBV4 | 52256 | 94614 | 1.79% | 0.132% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012079.D
Acq On : 11 Oct 2017 21:33
Operator : SJ/JU
Sample : I5649-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-57(2-4)-100317

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 16.968 | 2357 | 2360 | 2365 | rBV | 74663 | 91428 | 1.73% | 0.128% |
| 36 | 17.021 | 2365 | 2369 | 2373 | rVB3 | 36649 | 55764 | 1.06% | 0.078% |
| 37 | 17.233 | 2399 | 2405 | 2410 | rBV2 | 2564881 | 3668813 | 69.50% | 5.138% |
| 38 | 17.333 | 2416 | 2422 | 2433 | rBV | 3307510 | 4541844 | 86.04% | 6.360% |
| 39 | 17.510 | 2448 | 2452 | 2461 | rBV7 | 40617 | 101049 | 1.91% | 0.142% |
| 40 | 18.109 | 2549 | 2554 | 2559 | rBV | 994481 | 1384881 | 26.23% | 1.939% |
| 41 | 18.404 | 2601 | 2604 | 2608 | rBV6 | 32053 | 59956 | 1.14% | 0.084% |
| 42 | 19.033 | 2707 | 2711 | 2714 | rBV2 | 88998 | 129240 | 2.45% | 0.181% |
| 43 | 19.268 | 2749 | 2751 | 2752 | rBV2 | 92369 | 74557 | 1.41% | 0.104% |
| 44 | 19.386 | 2767 | 2771 | 2785 | rBV | 799141 | 1264607 | 23.96% | 1.771% |
| 45 | 19.627 | 2806 | 2812 | 2826 | rBV | 3608502 | 5278980 | 100.00% | 7.393% |
| 46 | 20.145 | 2898 | 2900 | 2904 | rVB2 | 189644 | 184941 | 3.50% | 0.259% |
| 47 | 20.533 | 2962 | 2966 | 2972 | rVB | 590236 | 699084 | 13.24% | 0.979% |
| 48 | 21.098 | 3059 | 3062 | 3067 | rVB | 786702 | 963868 | 18.26% | 1.350% |
| 49 | 21.409 | 3111 | 3115 | 3120 | rBV | 2867144 | 3697811 | 70.05% | 5.178% |
| 50 | 23.580 | 3478 | 3484 | 3498 | rVB2 | 2577273 | 5261801 | 99.67% | 7.369% |
| 51 | 23.727 | 3504 | 3509 | 3517 | rVB2 | 1965193 | 3816232 | 72.29% | 5.344% |

Sum of corrected areas: 71407176

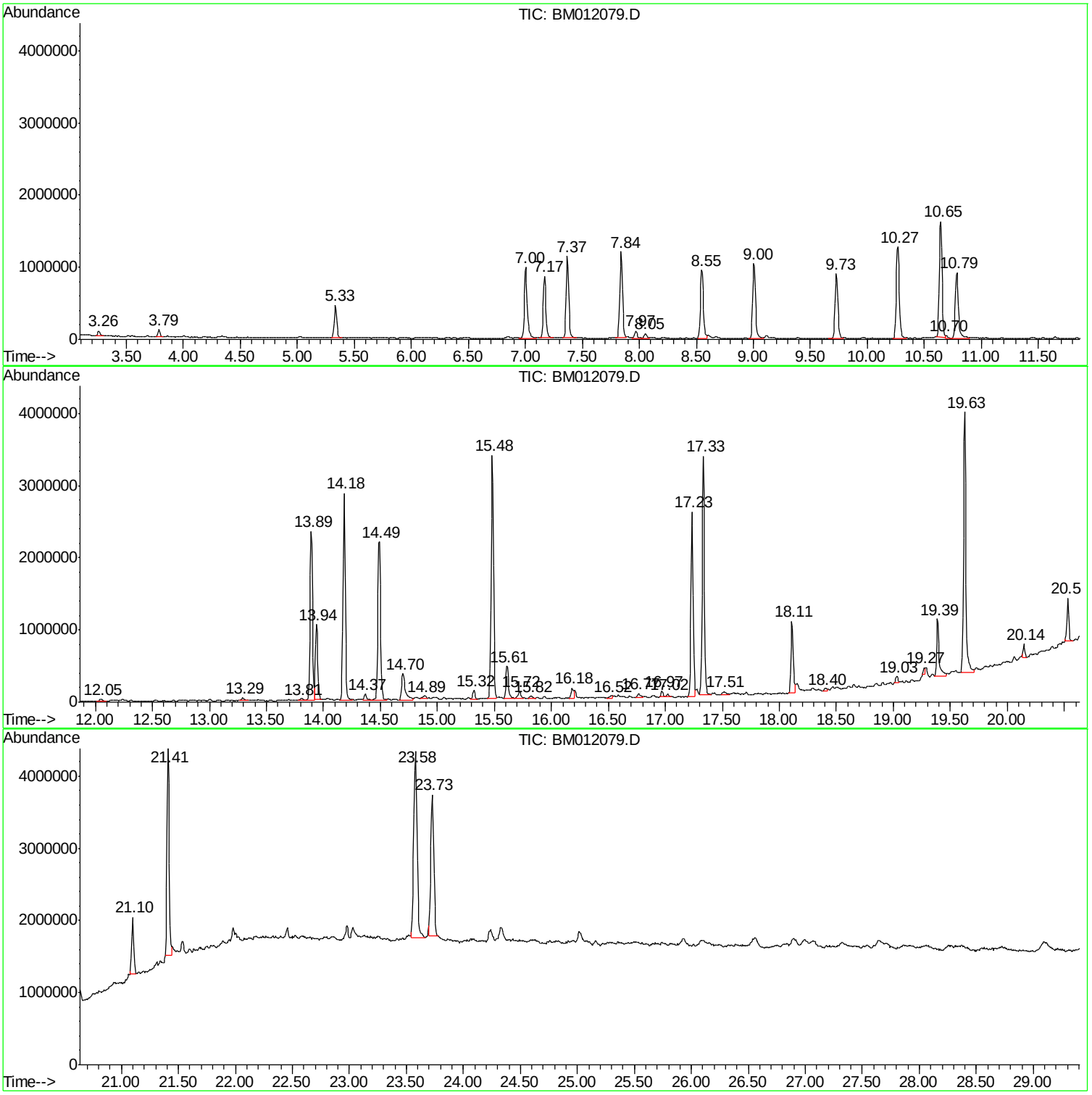
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012079.D
Acq On : 11 Oct 2017 21:33
Operator : SJ/JU
Sample : I5649-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-57(2-4)-100317

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

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



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012079.D
Acq On : 11 Oct 2017 21:33
Operator : SJ/JU
Sample : I5649-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-57(2-4)-100317

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

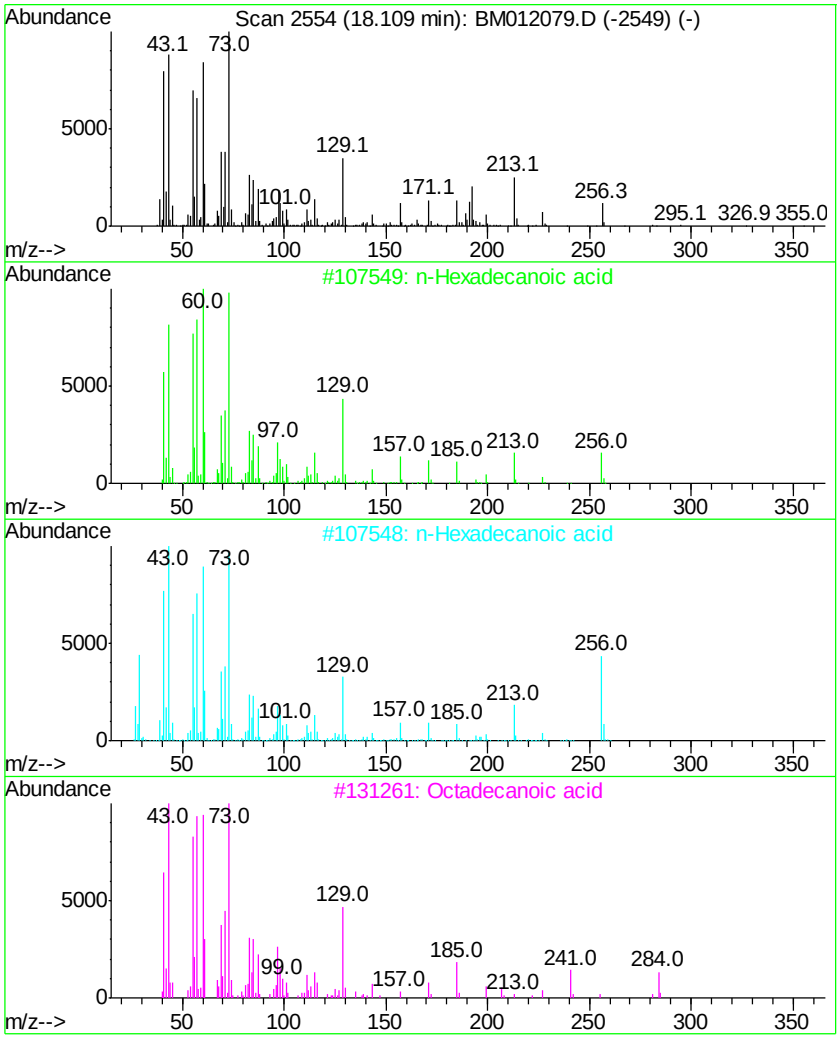
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

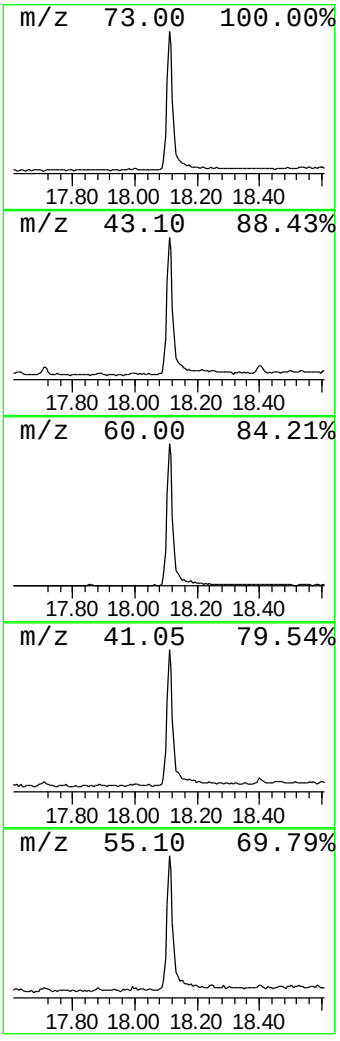
**********

Peak Number 2 n-Hexadecanoic acid Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.11 | 7.55 ng/ul | 1384880 | Phenanthrene-d10 | 17.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 3 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 90 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 90 |
| 5 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 83 |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012079.D
Acq On : 11 Oct 2017 21:33
Operator : SJ/JU
Sample : I5649-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-57(2-4)-100317

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

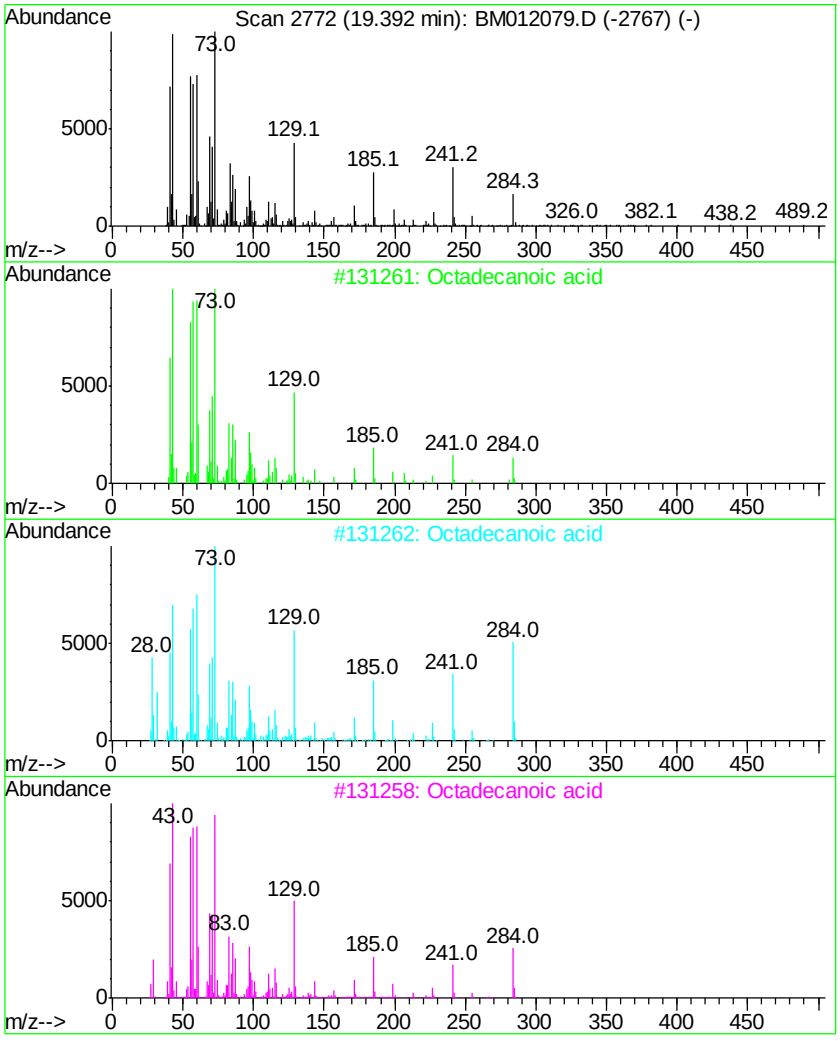
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

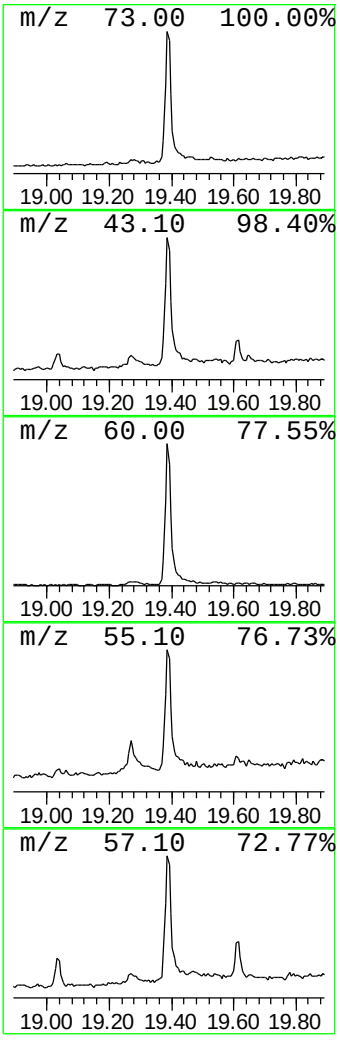
**********

Peak Number 3 Octadecanoic acid Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.39 | 6.84 ng/ul | 1264610 | Chrysene-d12 | 21.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 2 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 3 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 4 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 98 |
| 5 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 94 |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012079.D
Acq On : 11 Oct 2017 21:33
Operator : SJ/JU
Sample : I5649-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-57(2-4)-100317

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

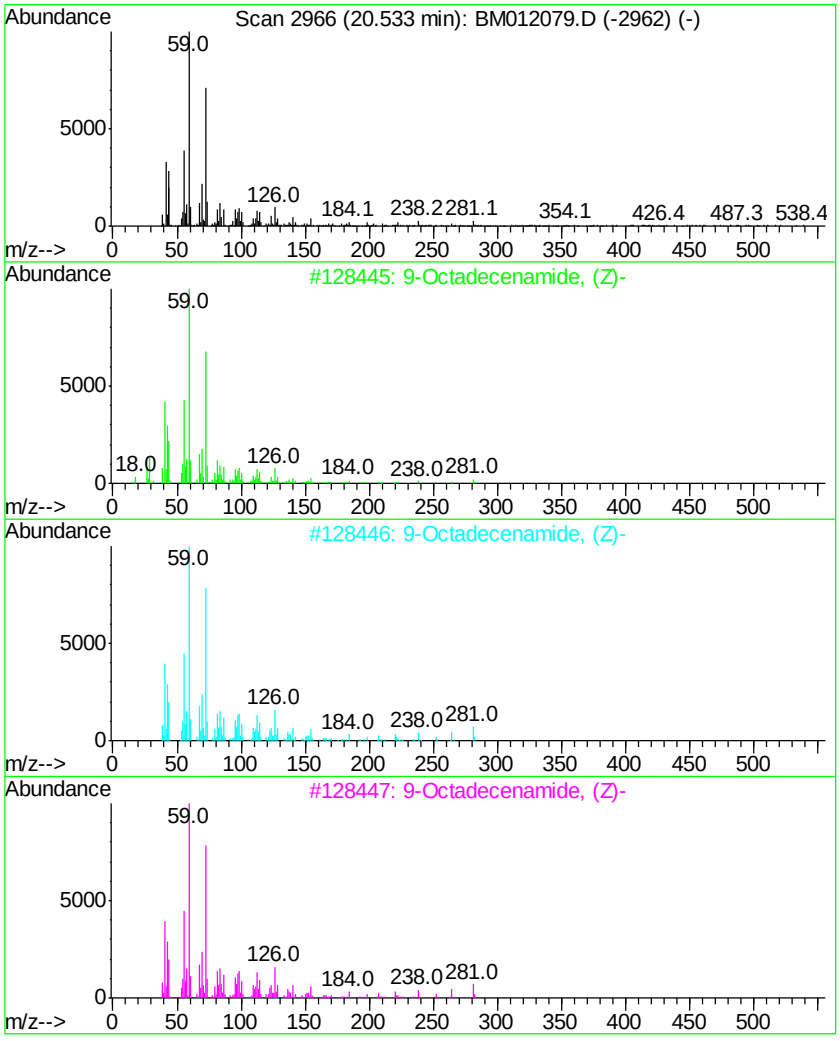
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

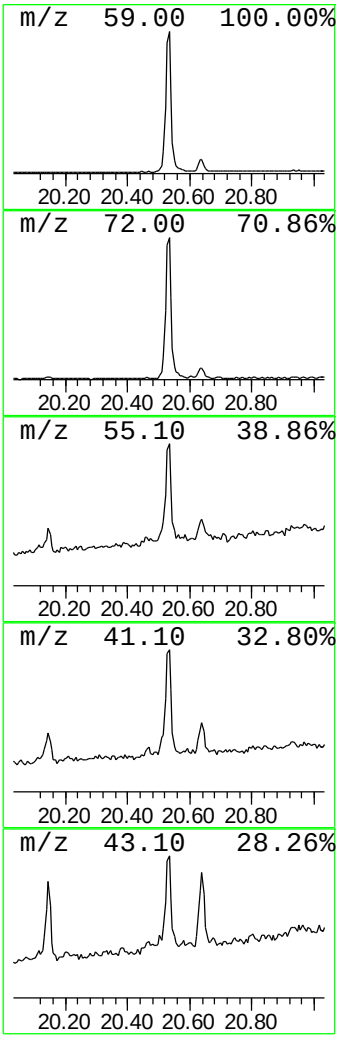
**********

Peak Number 4 9-Octadecenamide, (Z)- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.53 | 3.78 ng/ul | 699084 | Chrysene-d12 | 21.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 99 |
| 2 | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 91 |
| 3 | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 91 |
| 4 | 7-Nonenamide | 155 | C9H17NO | 090949-53-4 | 72 |
| 5 | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 72 |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012079.D
Acq On : 11 Oct 2017 21:33
Operator : SJ/JU
Sample : I5649-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-57(2-4)-100317

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

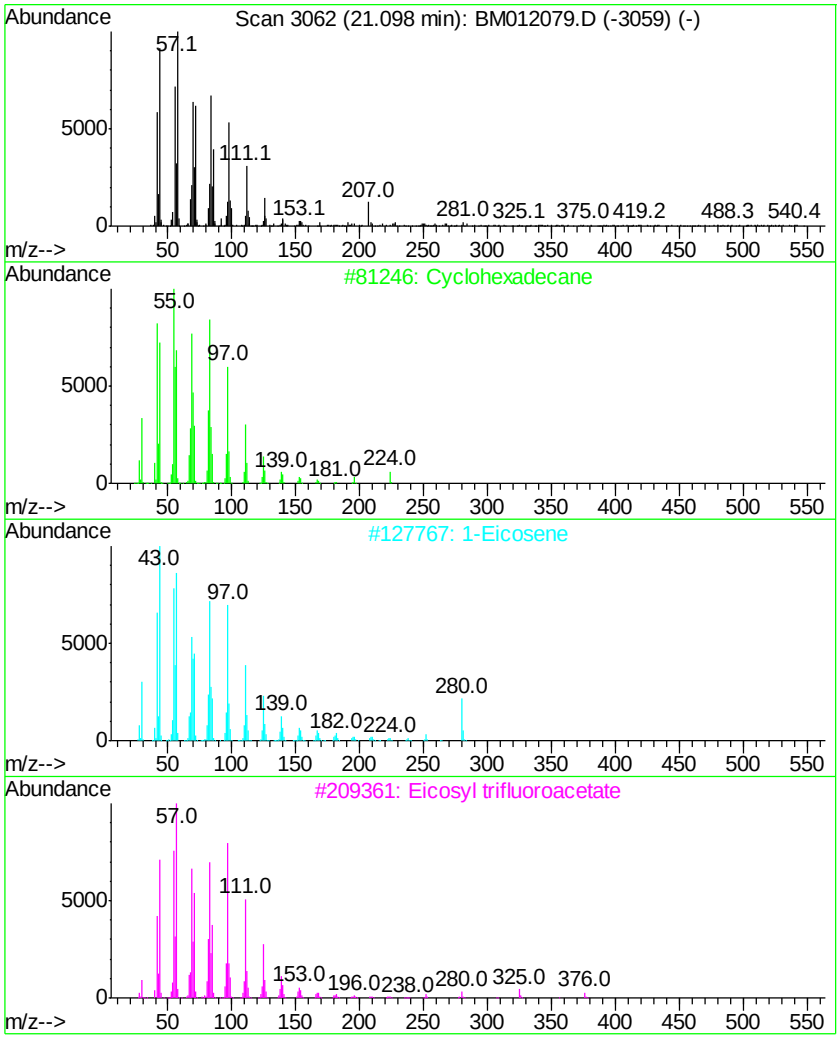
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

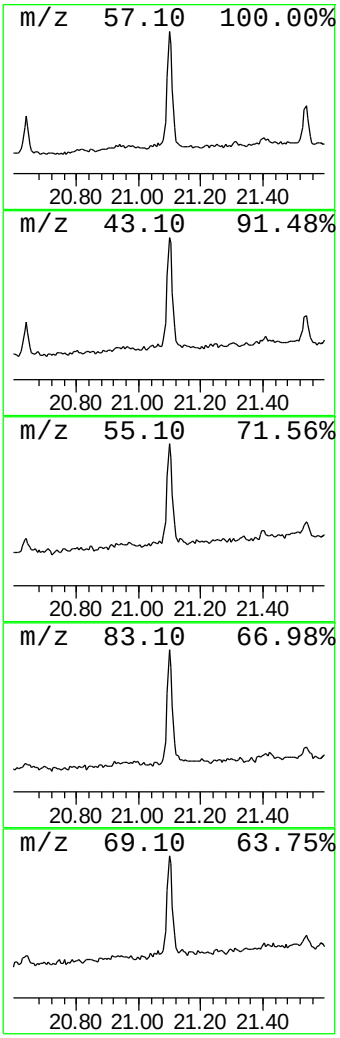
**********

Peak Number 5 (DEL) Alkane: Cyclic21.10 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.10 | 5.21 ng/ul | 963868 | Chrysene-d12 | 21.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexadecane | 224 | C16H32 | 000295-65-8 | 96 |
| 2 | 1-Eicosene | 280 | C20H40 | 003452-07-1 | 93 |
| 3 | Eicosyl trifluoroacetate | 394 | C22H41F3O2 | 1000351-75-2 | 91 |
| 4 | Tricosyl trifluoroacetate | 436 | C25H47F3O2 | 1000351-75-1 | 91 |
| 5 | Cyclotriacontane | 420 | C30H60 | 000297-35-8 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101117\
Data File : BM012079.D
Acq On : 11 Oct 2017 21:33
Operator : SJ/JU
Sample : I5649-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-57(2-4)-100317

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA 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 | 18.11 | 7.5 | ng/ul | 1384880 | 4 | 17.23 | 3668810 | 20.0 |
| Octadecanoic acid | 19.39 | 6.8 | ng/ul | 1264610 | 5 | 21.41 | 3697810 | 20.0 |
| 9-Octadecenamide,... | 20.53 | 3.8 | ng/ul | 699084 | 5 | 21.41 | 3697810 | 20.0 |
| (DEL) Alkane: Cyc... | 21.10 | 5.2 | ng/ul | 963868 | 5 | 21.41 | 3697810 | 20.0 |