LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030718\
Data File : BM014503.D
Acq On : 06 Mar 2018 18:11
Operator : SJ/JU
Sample : J1699-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B5

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:\HPCHEM1\BNA_M\METHODS\8270-BM020718.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 | 4.687 | 287 | 289 | 296 | rVB2 | 32992 | 47349 | 1.50% | 0.170% |
| 2 | 5.140 | 360 | 366 | 380 | rBV | 1545236 | 2391306 | 75.73% | 8.610% |
| 3 | 6.716 | 627 | 634 | 651 | rBV | 1326102 | 2395373 | 75.86% | 8.625% |
| 4 | 7.045 | 682 | 690 | 702 | rBV | 1688679 | 2640566 | 83.62% | 9.508% |
| 5 | 7.504 | 762 | 768 | 775 | rBV | 448503 | 703630 | 22.28% | 2.534% |
| 6 | 7.816 | 814 | 821 | 835 | rBV | 1325493 | 2113850 | 66.94% | 7.611% |
| 7 | 8.669 | 958 | 966 | 981 | rBV | 829578 | 1650543 | 52.27% | 5.943% |
| 8 | 10.280 | 1231 | 1240 | 1253 | rBV2 | 415012 | 865177 | 27.40% | 3.115% |
| 9 | 12.492 | 1610 | 1616 | 1624 | rBV2 | 50189 | 88405 | 2.80% | 0.318% |
| 10 | 12.774 | 1655 | 1664 | 1683 | rBV | 1852602 | 3157783 | 100.00% | 11.370% |
| 11 | 13.692 | 1815 | 1820 | 1826 | rVB6 | 15406 | 32540 | 1.03% | 0.117% |
| 12 | 14.168 | 1892 | 1901 | 1914 | rBV3 | 587191 | 986123 | 31.23% | 3.551% |
| 13 | 14.780 | 1993 | 2005 | 2007 | rBV6 | 25191 | 76963 | 2.44% | 0.277% |
| 14 | 14.968 | 2032 | 2037 | 2042 | rBV4 | 20219 | 32071 | 1.02% | 0.115% |
| 15 | 15.021 | 2042 | 2046 | 2052 | rVB5 | 31140 | 58473 | 1.85% | 0.211% |
| 16 | 15.680 | 2152 | 2158 | 2174 | rBV | 1260344 | 2218104 | 70.24% | 7.987% |
| 17 | 16.939 | 2366 | 2372 | 2381 | rBV2 | 590047 | 995266 | 31.52% | 3.584% |
| 18 | 17.221 | 2415 | 2420 | 2424 | rBV | 51106 | 65130 | 2.06% | 0.235% |
| 19 | 17.603 | 2481 | 2485 | 2491 | rVB2 | 127388 | 155662 | 4.93% | 0.560% |
| 20 | 17.839 | 2519 | 2525 | 2533 | rBV2 | 290134 | 505405 | 16.01% | 1.820% |
| 21 | 17.903 | 2533 | 2536 | 2548 | rVB | 193266 | 268531 | 8.50% | 0.967% |
| 22 | 18.756 | 2676 | 2681 | 2684 | rBV2 | 266771 | 337557 | 10.69% | 1.215% |
| 23 | 18.792 | 2684 | 2687 | 2691 | rVB | 281189 | 342303 | 10.84% | 1.233% |
| 24 | 18.927 | 2705 | 2710 | 2713 | rBV4 | 72386 | 100545 | 3.18% | 0.362% |
| 25 | 19.133 | 2740 | 2745 | 2753 | rBV2 | 248051 | 436543 | 13.82% | 1.572% |
| 26 | 19.350 | 2779 | 2782 | 2785 | rBV4 | 39382 | 42710 | 1.35% | 0.154% |
| 27 | 19.580 | 2813 | 2821 | 2827 | rBV | 2498563 | 2993259 | 94.79% | 10.778% |
| 28 | 19.886 | 2870 | 2873 | 2876 | rVB5 | 40953 | 44672 | 1.41% | 0.161% |
| 29 | 20.386 | 2956 | 2958 | 2962 | rVB5 | 47505 | 49748 | 1.58% | 0.179% |
| 30 | 20.850 | 3034 | 3037 | 3043 | rBV5 | 117207 | 160336 | 5.08% | 0.577% |
| 31 | 21.150 | 3084 | 3088 | 3100 | rVB | 698408 | 977124 | 30.94% | 3.518% |
| 32 | 23.333 | 3453 | 3459 | 3465 | rBV | 437516 | 839173 | 26.57% | 3.022% |

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030718\
Data File : BM014503.D
Acq On : 06 Mar 2018 18:11
Operator : SJ/JU
Sample : J1699-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B5

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:\HPCHEM1\BNA_M\METHODS\8270-BM020718.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 27772220

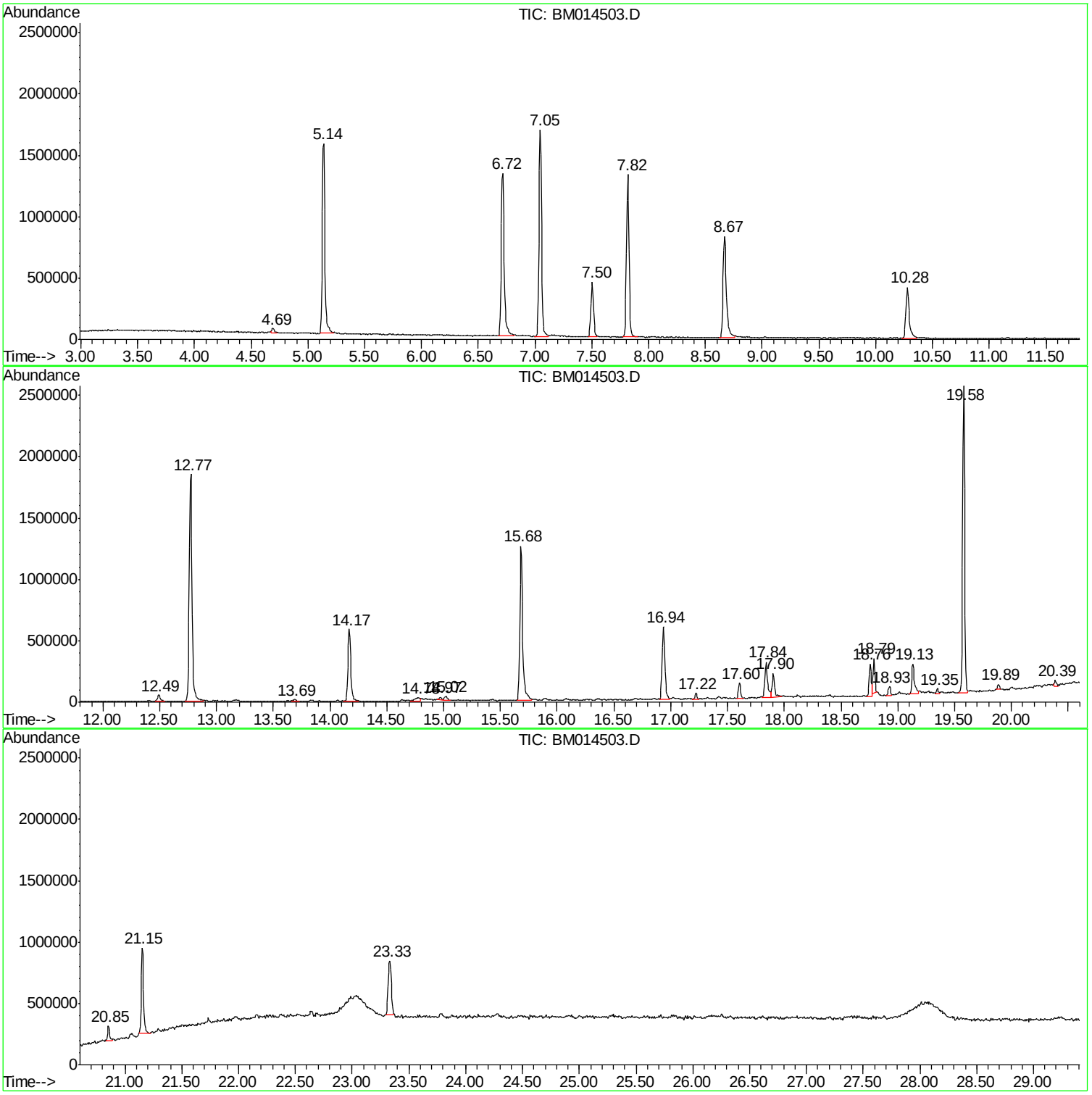
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030718\
Data File : BM014503.D
Acq On : 06 Mar 2018 18:11
Operator : SJ/JU
Sample : J1699-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM020718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030718\
Data File : BM014503.D
Acq On : 06 Mar 2018 18:11
Operator : SJ/JU
Sample : J1699-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM020718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

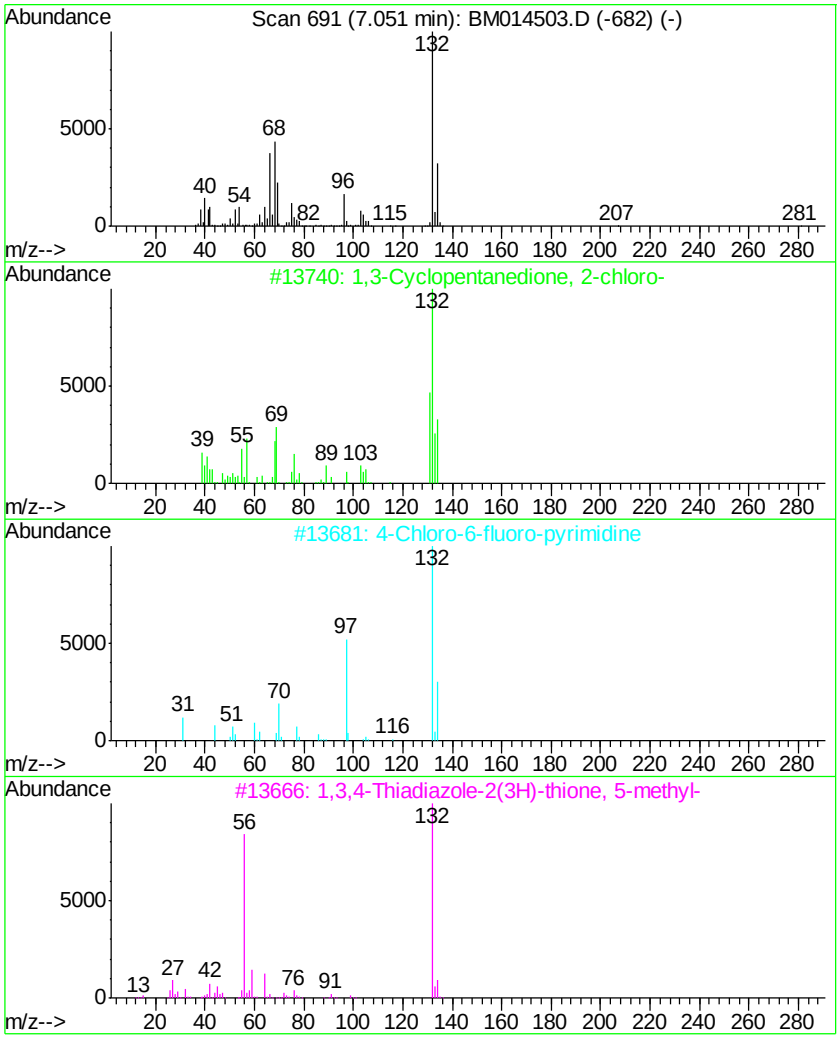
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

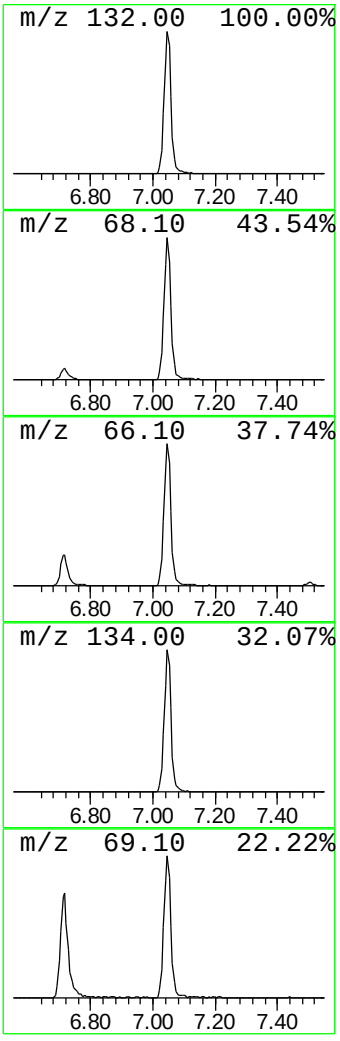
**********

Peak Number 1 unknown7.05 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.05 | 75.06 ng | 2640570 | 1,4-Dichlorobenzene-d4 | 7.50 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2 | 014203-19-1 | 16 |
| 2 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 14 |
| 3 | 1,3,4-Thiadiazole-2(3H)-thione, ... | 132 | C3H4N2S2 | 029490-19-5 | 14 |
| 4 | 3H-1,2-Dithiol-3-one, 5-methyl- | 132 | C4H4OS2 | 003620-08-4 | 14 |
| 5 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030718\
Data File : BM014503.D
Acq On : 06 Mar 2018 18:11
Operator : SJ/JU
Sample : J1699-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM020718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

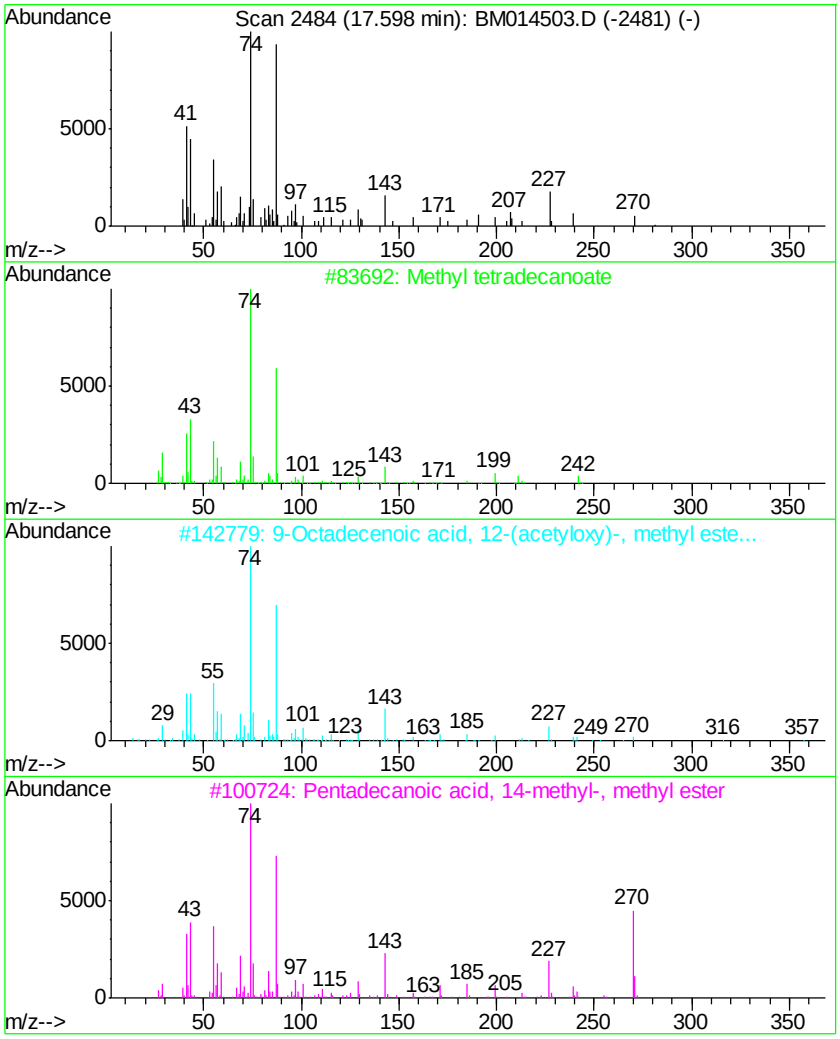
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

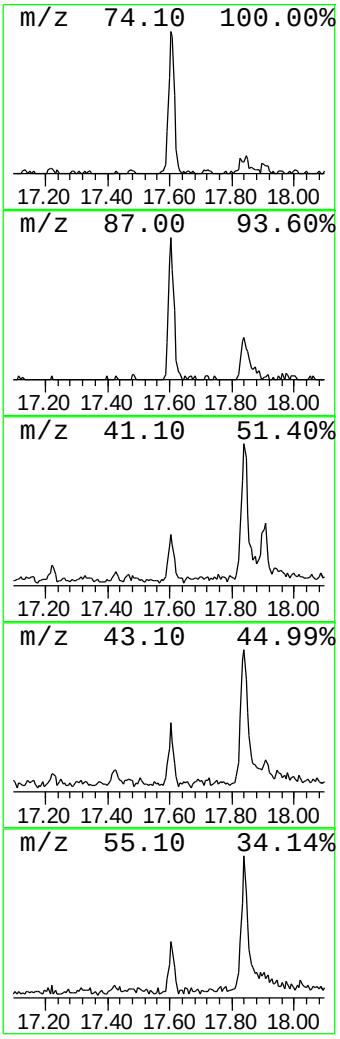
**********

Peak Number 3 Methyl tetradecanoate Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.60 | 3.13 ng | 155662 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methyl tetradecanoate | 242 | C15H30O2 | 000124-10-7 | 93 |
| 2 | 9-Octadecenoic acid, 12-(acetylo... | 354 | C21H38O4 | 000140-03-4 | 90 |
| 3 | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 83 |
| 4 | Hexadecanoic acid, methyl ester | 270 | C17H34O2 | 000112-39-0 | 80 |
| 5 | Hexadecanoic acid, 2-methyl- | 270 | C17H34O2 | 027147-71-3 | 74 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030718\
Data File : BM014503.D
Acq On : 06 Mar 2018 18:11
Operator : SJ/JU
Sample : J1699-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM020718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

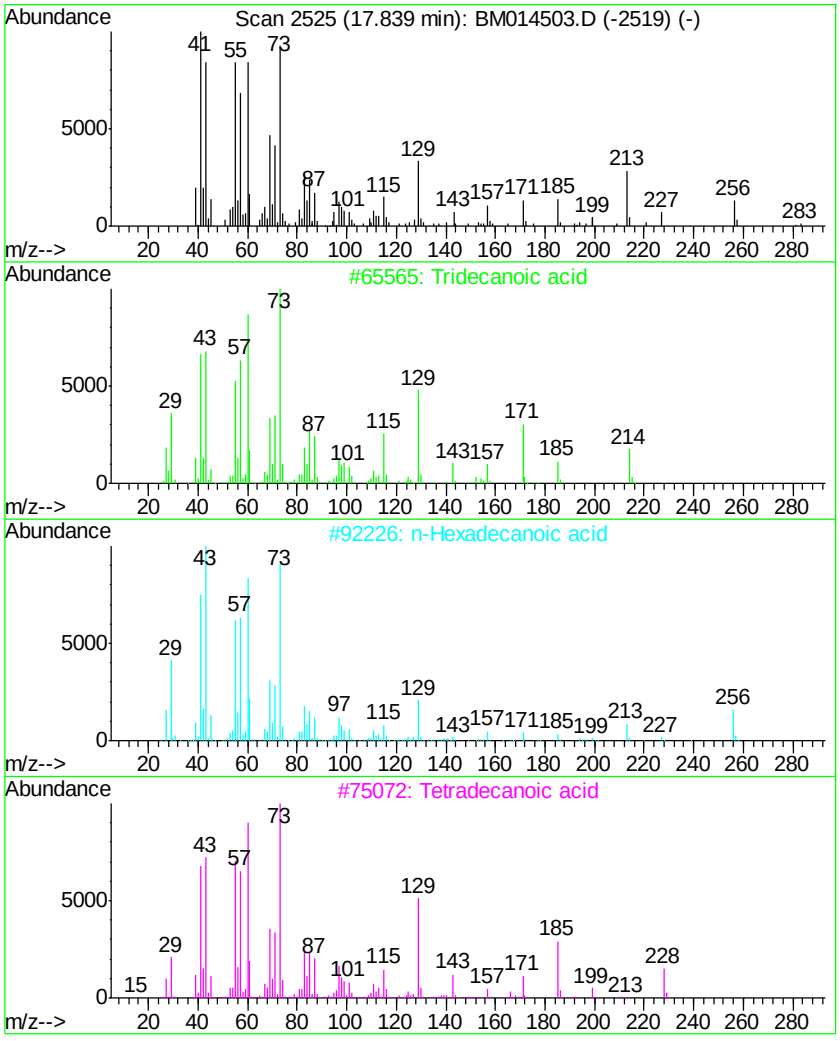
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

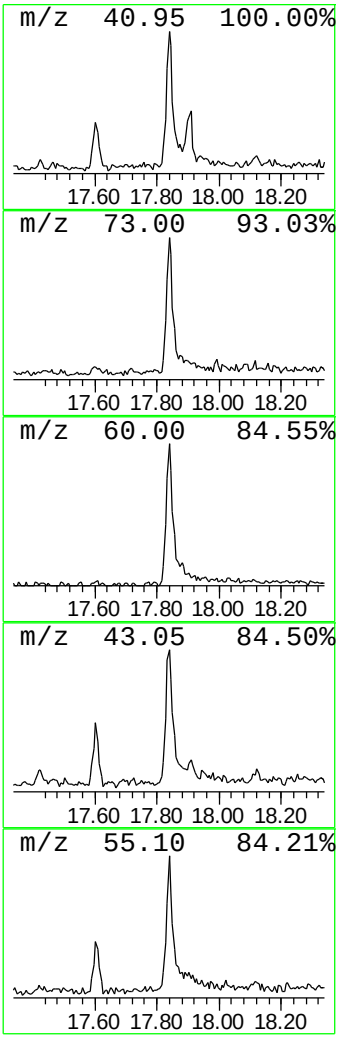
**********

Peak Number 4 Tridecanoic acid Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.84 | 10.16 ng | 505405 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 95 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 93 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 74 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 53 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 43 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030718\
Data File : BM014503.D
Acq On : 06 Mar 2018 18:11
Operator : SJ/JU
Sample : J1699-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM020718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

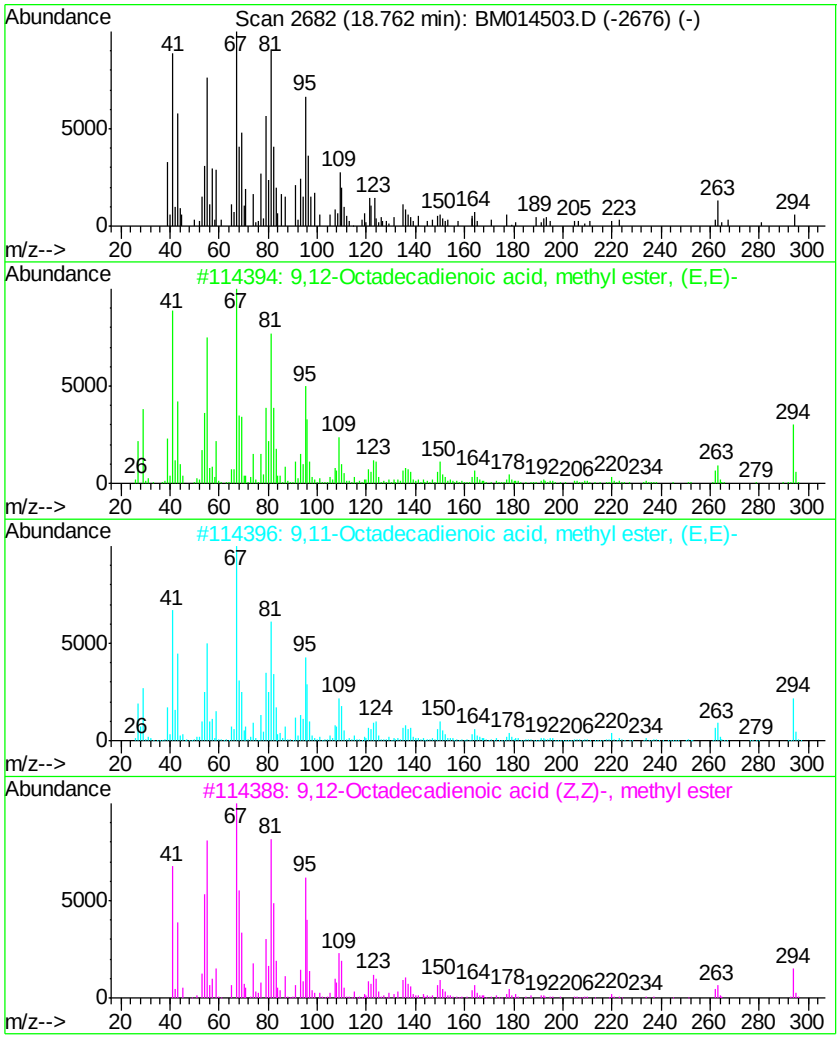
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

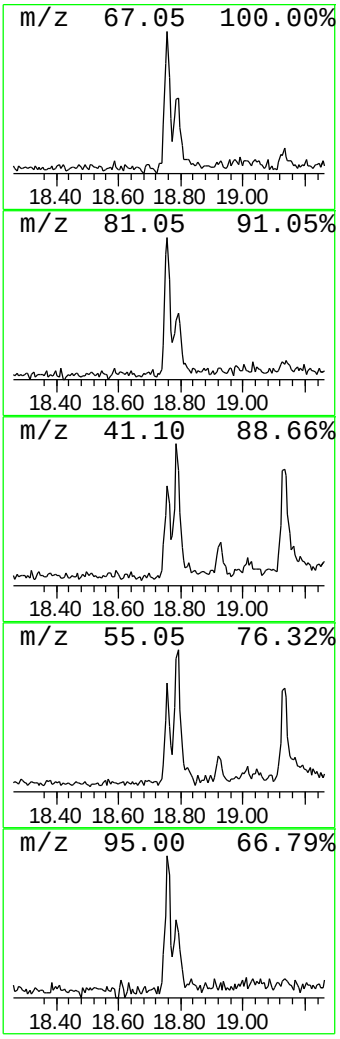
**********

Peak Number 5 9,12-Octadecadienoic acid, ... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.76 | 6.78 ng | 337557 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002566-97-4 | 97 |
| 2 | 9,11-Octadecadienoic acid, methy... | 294 | C19H34O2 | 013038-47-6 | 91 |
| 3 | 9,12-Octadecadienoic acid (Z,Z)-... | 294 | C19H34O2 | 000112-63-0 | 91 |
| 4 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002462-85-3 | 89 |
| 5 | 9,15-Octadecadienoic acid, methy... | 294 | C19H34O2 | 017309-05-6 | 81 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030718\
Data File : BM014503.D
Acq On : 06 Mar 2018 18:11
Operator : SJ/JU
Sample : J1699-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM020718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

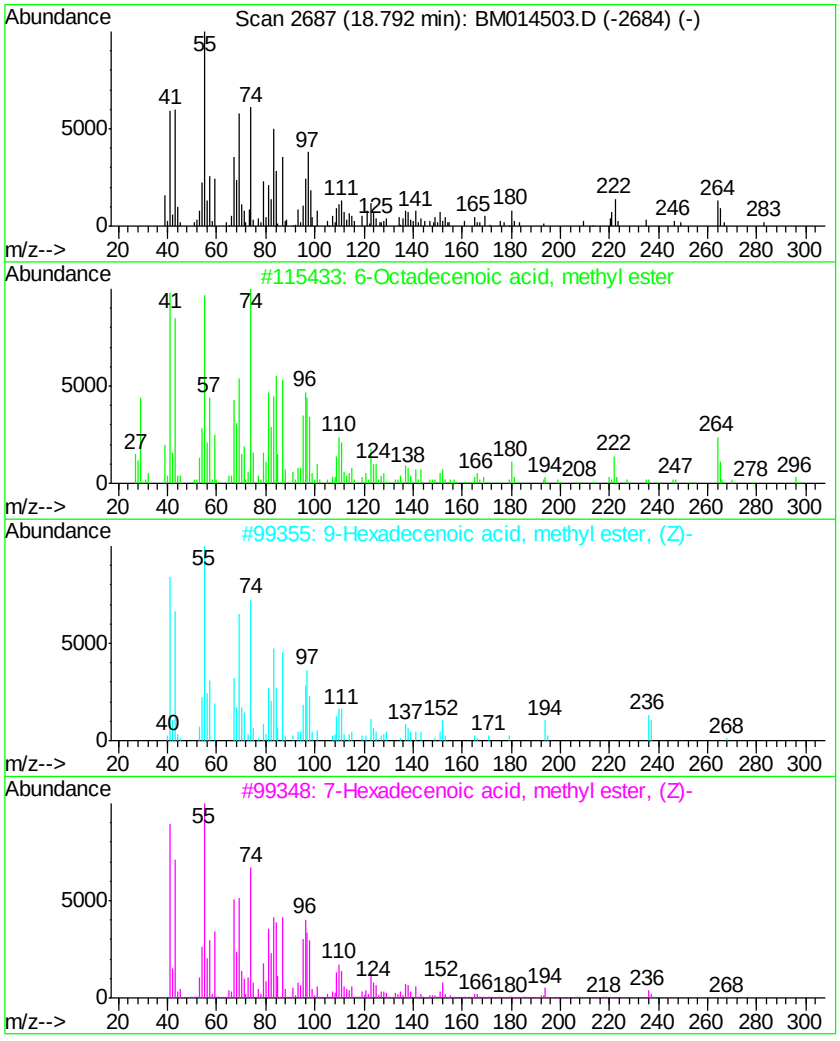
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

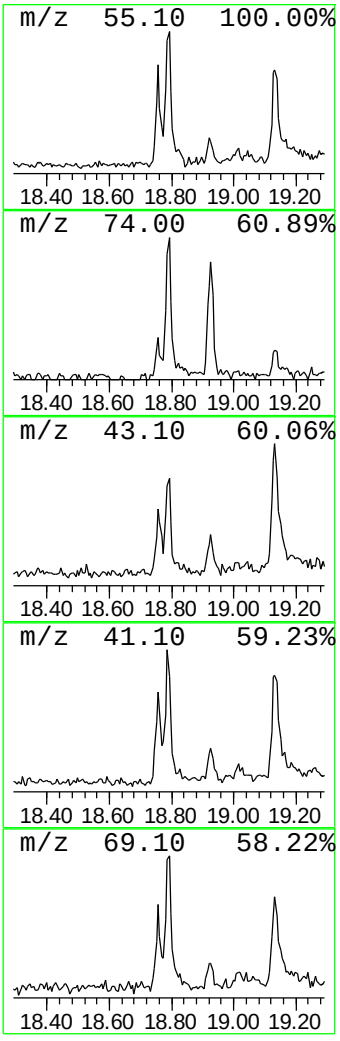
**********

Peak Number 6 6-Octadecenoic acid, methyl... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.79 | 6.88 ng | 342303 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 6-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 052355-31-4 | 80 |
| 2 | 9-Hexadecenoic acid, methyl este... | 268 | C17H32O2 | 001120-25-8 | 72 |
| 3 | 7-Hexadecenoic acid, methyl este... | 268 | C17H32O2 | 056875-67-3 | 64 |
| 4 | 5-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-45-1 | 58 |
| 5 | 14-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-48-4 | 53 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030718\
Data File : BM014503.D
Acq On : 06 Mar 2018 18:11
Operator : SJ/JU
Sample : J1699-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM020718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

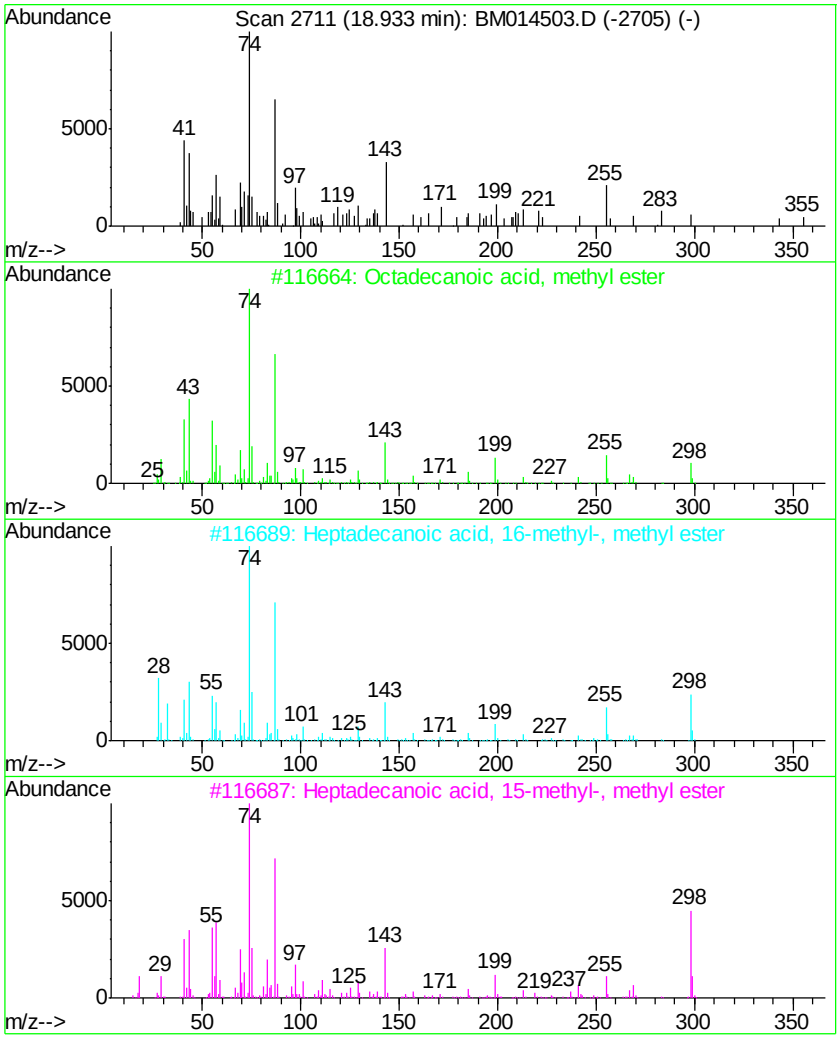
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

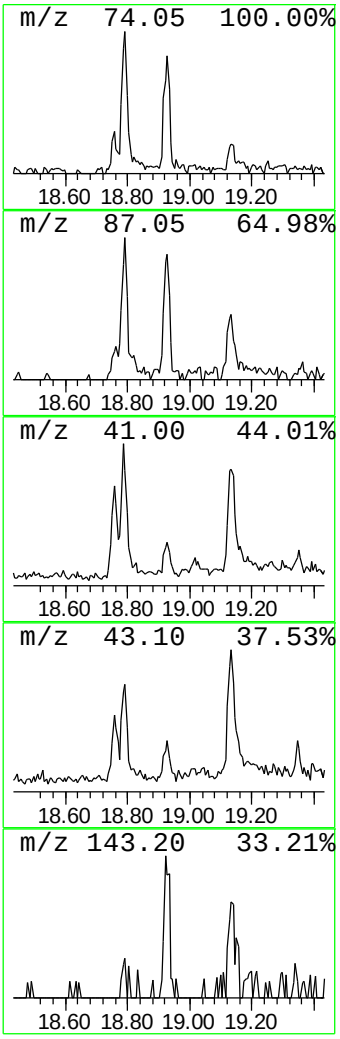
**********

Peak Number 7 Octadecanoic acid, methyl e... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.93 | 2.02 ng | 100545 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid, methyl ester | 298 | C19H38O2 | 000112-61-8 | 93 |
| 2 | Heptadecanoic acid, 16-methyl-, ... | 298 | C19H38O2 | 005129-61-3 | 90 |
| 3 | Heptadecanoic acid, 15-methyl-, ... | 298 | C19H38O2 | 054833-55-5 | 72 |
| 4 | Dodecanoic acid, 10-methyl-, met... | 228 | C14H28O2 | 005129-65-7 | 72 |
| 5 | Tridecanoic acid, 12-methyl-, me... | 242 | C15H30O2 | 005129-58-8 | 72 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030718\
Data File : BM014503.D
Acq On : 06 Mar 2018 18:11
Operator : SJ/JU
Sample : J1699-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM020718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

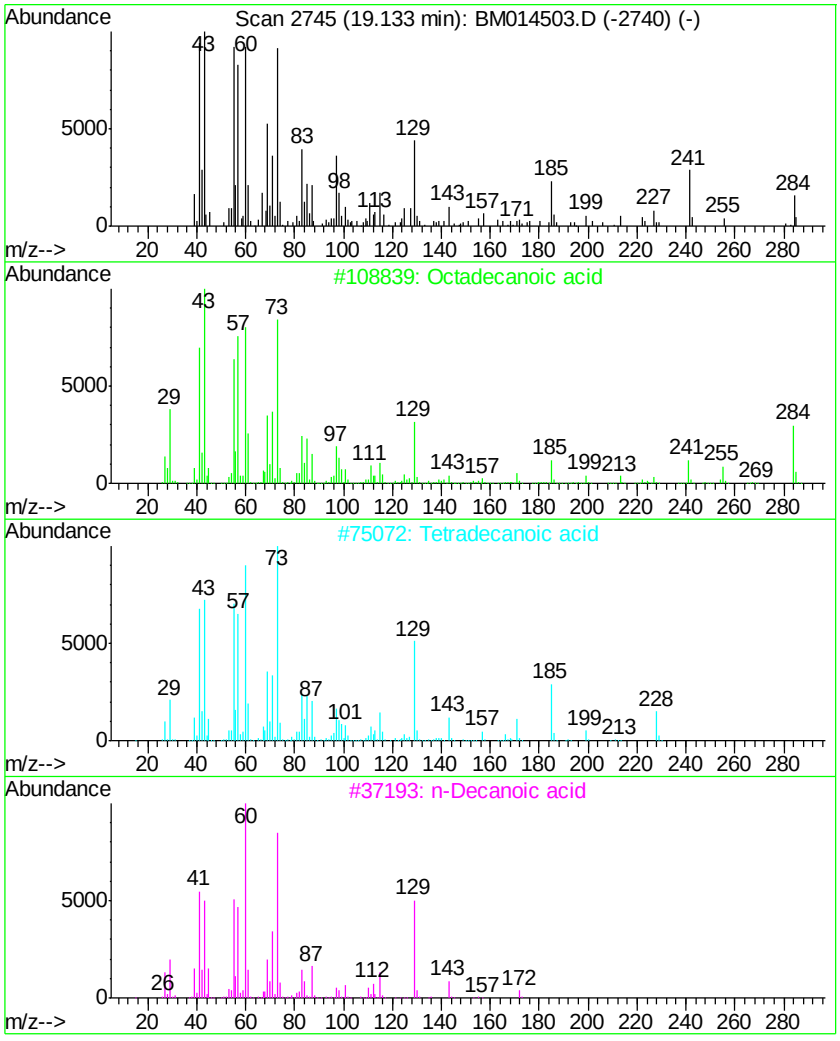
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

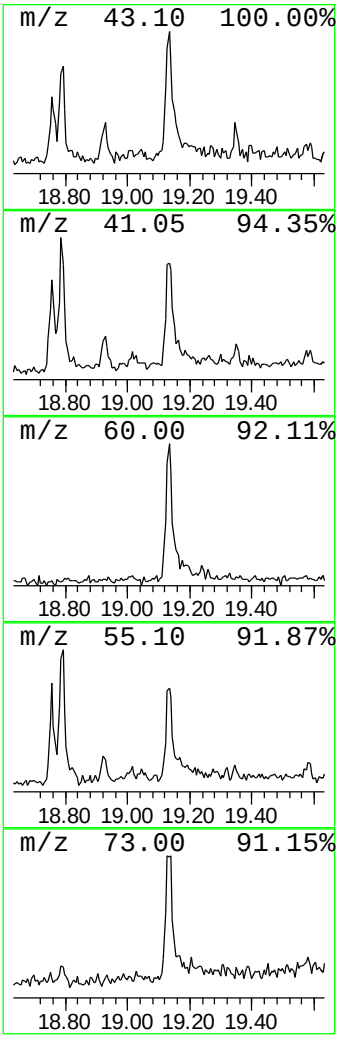
**********

Peak Number 8 Octadecanoic acid Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.13 | 8.94 ng | 436543 | Chrysene-d12 | 21.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 93 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 76 |
| 3 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 70 |
| 4 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 70 |
| 5 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 60 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030718\
Data File : BM014503.D
Acq On : 06 Mar 2018 18:11
Operator : SJ/JU
Sample : J1699-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM020718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

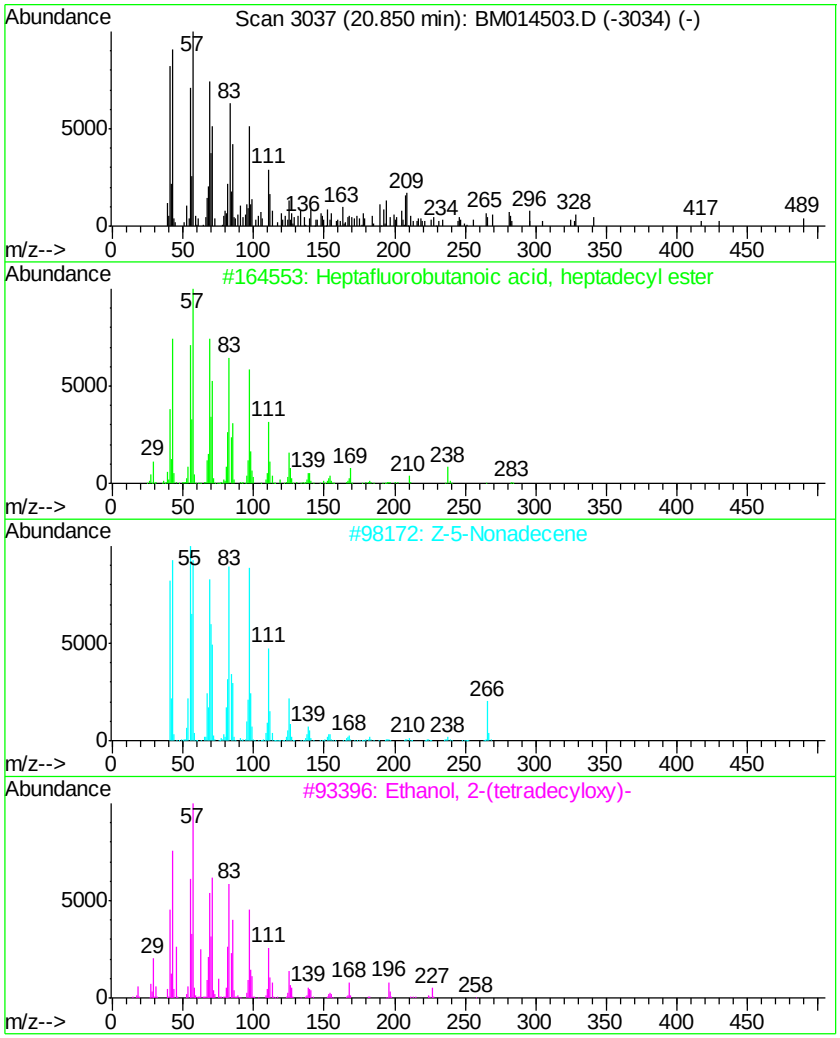
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

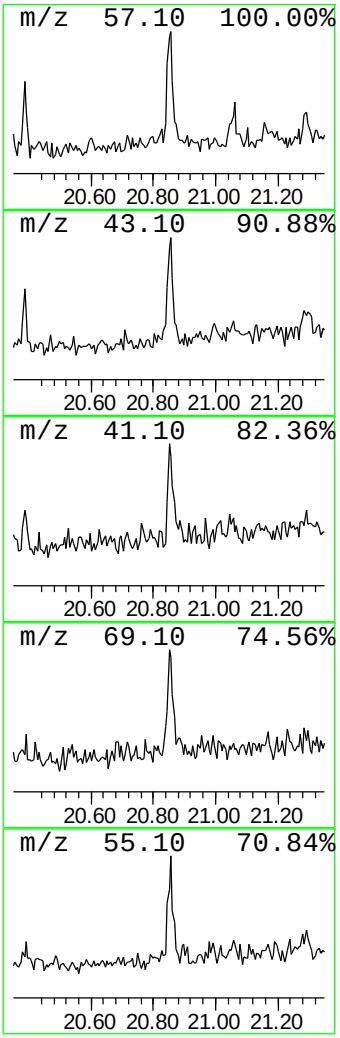
**********

Peak Number 9 Heptafluorobutanoic acid, h... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.85 | 3.28 ng | 160336 | Chrysene-d12 | 21.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptafluorobutanoic acid, heptad... | 452 | C21H35F7O2 | 1000282-97-3 | 81 |
| 2 | Z-5-Nonadecene | 266 | C19H38 | 1000131-11-8 | 62 |
| 3 | Ethanol, 2-(tetradecyloxy)- | 258 | C16H34O2 | 002136-70-1 | 60 |
| 4 | Cyclopentane, (4-octyldodecyl)- | 350 | C25H50 | 005638-09-5 | 53 |
| 5 | 1-Hexadecanesulfonyl chloride | 324 | C16H33ClO2S | 038775-38-1 | 49 |



Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM030718\
Data File : BM014503.D
Acq On : 06 Mar 2018 18:11
Operator : SJ/JU
Sample : J1699-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM020718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| unknown7.05 | 7.05 | 75.1 | ng | 2640570 | 1 | 7.50 | 703630 | 20.0 |
| Methyl tetradecan... | 17.60 | 3.1 | ng | 155662 | 4 | 16.94 | 995266 | 20.0 |
| Tridecanoic acid | 17.84 | 10.2 | ng | 505405 | 4 | 16.94 | 995266 | 20.0 |
| 9,12-Octadecadien... | 18.76 | 6.8 | ng | 337557 | 4 | 16.94 | 995266 | 20.0 |
| 6-Octadecenoic ac... | 18.79 | 6.9 | ng | 342303 | 4 | 16.94 | 995266 | 20.0 |
| Octadecanoic acid... | 18.93 | 2.0 | ng | 100545 | 4 | 16.94 | 995266 | 20.0 |
| Octadecanoic acid | 19.13 | 8.9 | ng | 436543 | 5 | 21.15 | 977124 | 20.0 |
| Heptafluorobutano... | 20.85 | 3.3 | ng | 160336 | 5 | 21.15 | 977124 | 20.0 |