LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050620\
Data File : BG045261.D
Acq On : 6 May 2020 20:19
Operator : CG/JU
Sample : L2513-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BU-03-050520

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-BG041520.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 | 3.152 | 7 | 11 | 20 | rVB3 | 15582 | 29166 | 1.20% | 0.204% |
| 2 | 5.555 | 413 | 420 | 428 | rBV | 197618 | 342624 | 14.05% | 2.391% |
| 3 | 7.147 | 683 | 691 | 705 | rBV | 223785 | 409663 | 16.79% | 2.859% |
| 4 | 7.981 | 827 | 833 | 844 | rBV2 | 218257 | 392391 | 16.09% | 2.739% |
| 5 | 8.310 | 882 | 889 | 900 | rVB | 194364 | 354096 | 14.52% | 2.471% |
| 6 | 9.138 | 1022 | 1030 | 1039 | rBV | 142817 | 269713 | 11.06% | 1.882% |
| 7 | 10.789 | 1304 | 1311 | 1318 | rBV | 292225 | 550601 | 22.57% | 3.843% |
| 8 | 13.245 | 1721 | 1729 | 1739 | rBV | 438476 | 717373 | 29.41% | 5.007% |
| 9 | 14.073 | 1864 | 1870 | 1876 | rBV | 39240 | 57660 | 2.36% | 0.402% |
| 10 | 14.625 | 1956 | 1964 | 1971 | rBV | 518387 | 829812 | 34.02% | 5.792% |
| 11 | 15.671 | 2136 | 2142 | 2149 | rBV4 | 14991 | 30146 | 1.24% | 0.210% |
| 12 | 16.111 | 2211 | 2217 | 2228 | rBV | 333437 | 549980 | 22.55% | 3.839% |
| 13 | 16.675 | 2306 | 2313 | 2318 | rBV5 | 12241 | 30835 | 1.26% | 0.215% |
| 14 | 17.374 | 2425 | 2432 | 2437 | rBV | 655688 | 1024453 | 42.00% | 7.150% |
| 15 | 17.415 | 2437 | 2439 | 2445 | rVB | 102725 | 121923 | 5.00% | 0.851% |
| 16 | 17.509 | 2451 | 2455 | 2459 | rVB2 | 21578 | 32759 | 1.34% | 0.229% |
| 17 | 18.050 | 2540 | 2547 | 2553 | rBV | 315712 | 397700 | 16.30% | 2.776% |
| 18 | 18.256 | 2576 | 2582 | 2586 | rBV | 33987 | 69828 | 2.86% | 0.487% |
| 19 | 18.302 | 2586 | 2590 | 2594 | rVB2 | 42103 | 63568 | 2.61% | 0.444% |
| 20 | 18.379 | 2599 | 2603 | 2608 | rVV4 | 18446 | 35023 | 1.44% | 0.244% |
| 21 | 18.443 | 2608 | 2614 | 2619 | rVV3 | 51126 | 114791 | 4.71% | 0.801% |
| 22 | 18.485 | 2619 | 2621 | 2625 | rVB2 | 31759 | 35611 | 1.46% | 0.249% |
| 23 | 19.184 | 2729 | 2740 | 2743 | rBV | 1904349 | 2439330 | 100.00% | 17.025% |
| 24 | 19.219 | 2743 | 2746 | 2756 | rVV2 | 1042143 | 1499906 | 61.49% | 10.469% |
| 25 | 19.295 | 2756 | 2759 | 2763 | rVV5 | 22882 | 39445 | 1.62% | 0.275% |
| 26 | 19.348 | 2764 | 2768 | 2775 | rVV | 181719 | 221658 | 9.09% | 1.547% |
| 27 | 19.424 | 2776 | 2781 | 2787 | rVV | 86583 | 132458 | 5.43% | 0.924% |
| 28 | 19.789 | 2837 | 2843 | 2853 | rVB | 121024 | 215317 | 8.83% | 1.503% |
| 29 | 19.988 | 2871 | 2877 | 2882 | rBV | 787666 | 1040072 | 42.64% | 7.259% |
| 30 | 20.282 | 2924 | 2927 | 2933 | rVB2 | 27104 | 36850 | 1.51% | 0.257% |
| 31 | 20.441 | 2950 | 2954 | 2958 | rBV3 | 37373 | 44824 | 1.84% | 0.313% |
| 32 | 20.576 | 2975 | 2977 | 2982 | rVB | 24457 | 29577 | 1.21% | 0.206% |
| 33 | 20.623 | 2982 | 2985 | 2989 | rBV | 30581 | 36345 | 1.49% | 0.254% |
| 34 | 21.639 | 3151 | 3158 | 3164 | rBV | 583672 | 1051266 | 43.10% | 7.337% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050620\
Data File : BG045261.D
Acq On : 6 May 2020 20:19
Operator : CG/JU
Sample : L2513-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BU-03-050520

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-BG041520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 24.811 | 3689 | 3698 | 3716 | rBV2 | 353518 | 1080995 | 44.32% | 7.545% |

Sum of corrected areas: 14327759

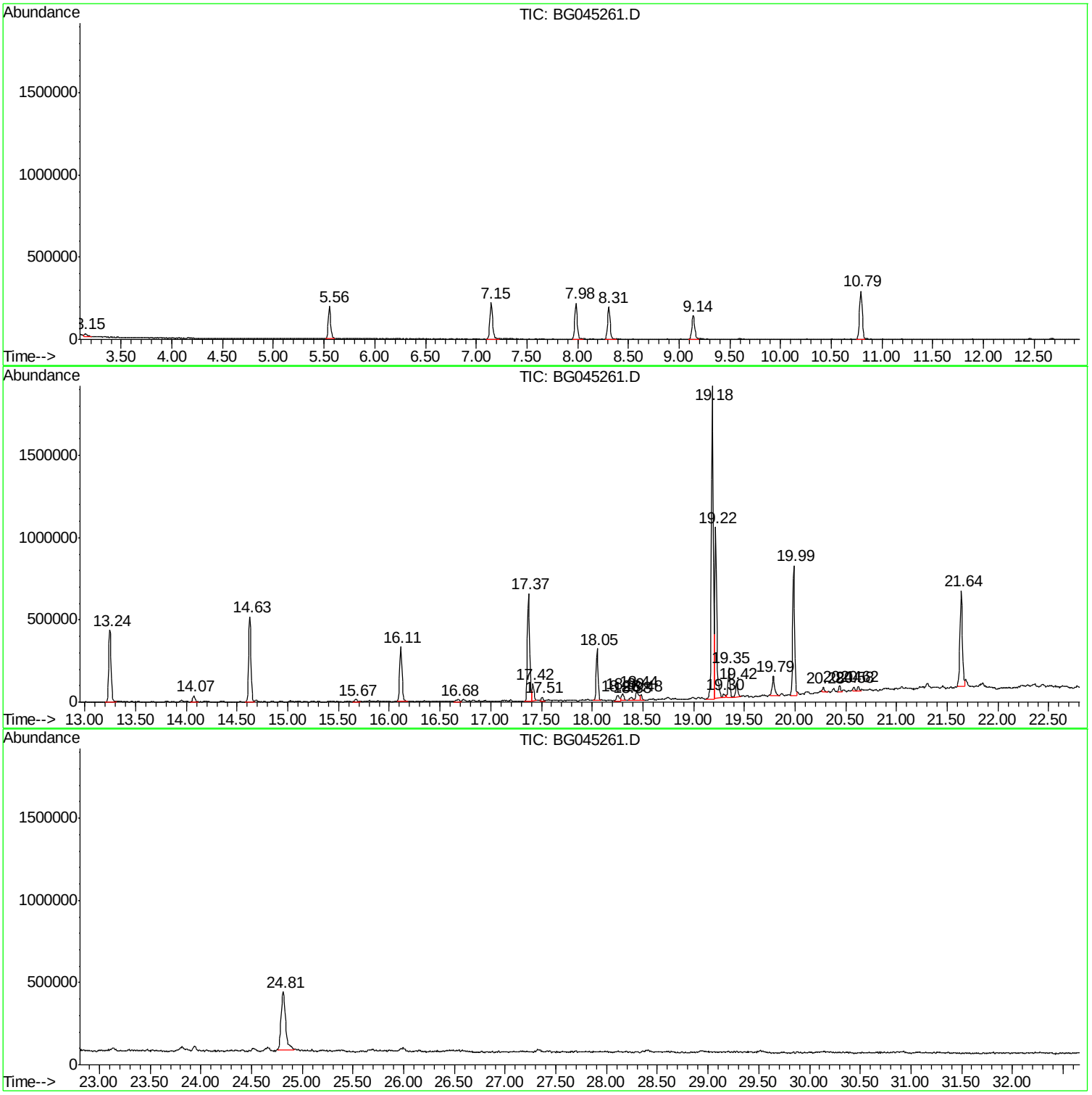
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050620\
Data File : BG045261.D
Acq On : 6 May 2020 20:19
Operator : CG/JU
Sample : L2513-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BU-03-050520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050620\
Data File : BG045261.D
Acq On : 6 May 2020 20:19
Operator : CG/JU
Sample : L2513-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BU-03-050520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

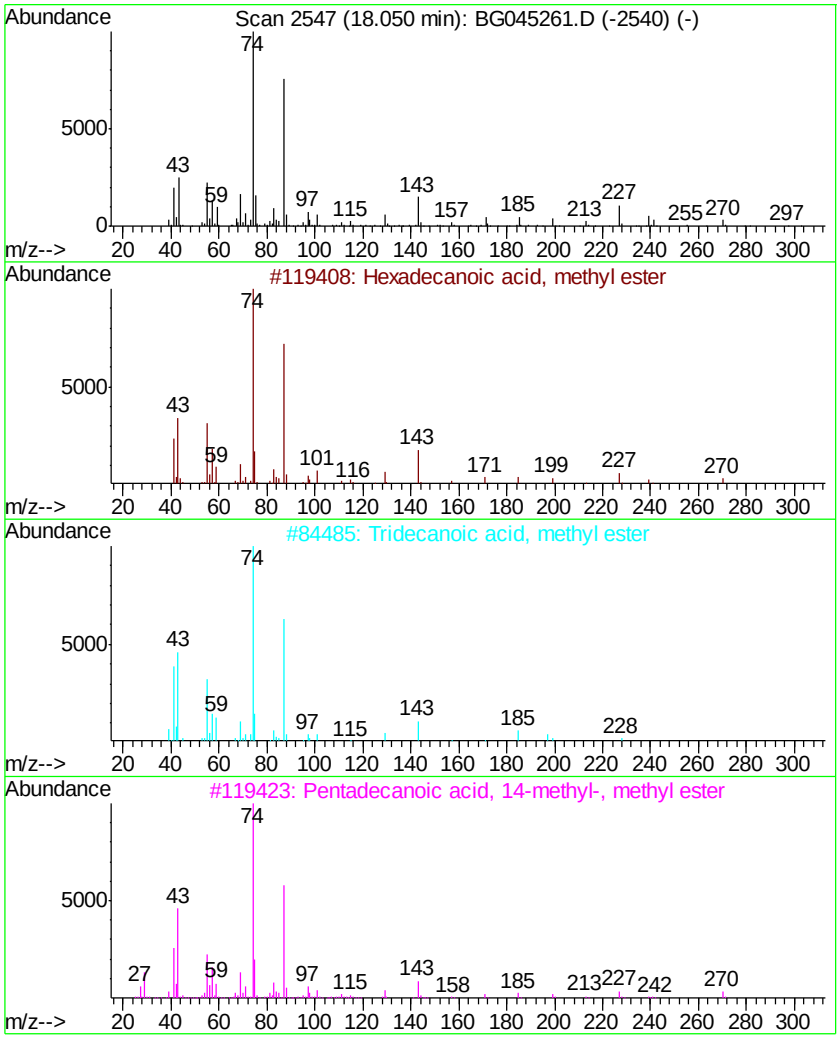
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

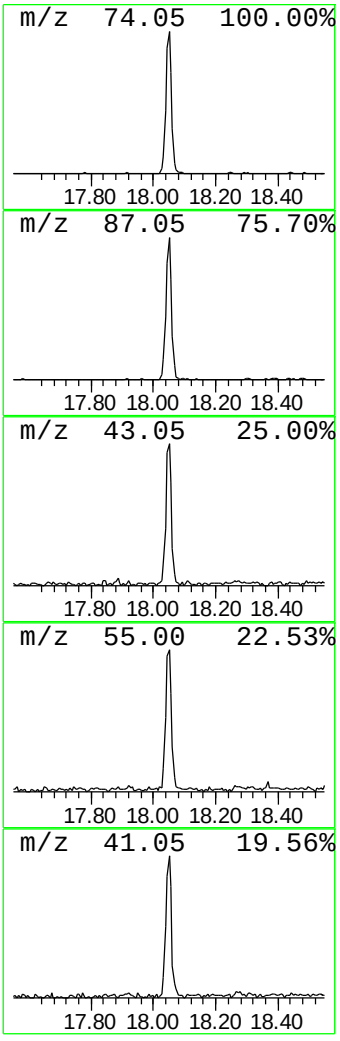
**********

Peak Number 2 Hexadecanoic acid, methyl e... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.05 | 7.76 ng | 397700 | Phenanthrene-d10 | 17.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecanoic acid, methyl ester | 270 | C17H34O2 | 000112-39-0 | 98 |
| 2 | Tridecanoic acid, methyl ester | 228 | C14H28O2 | 001731-88-0 | 95 |
| 3 | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 92 |
| 4 | Methyl tetradecanoate | 242 | C15H30O2 | 000124-10-7 | 87 |
| 5 | Pentadecanoic acid, methyl ester | 256 | C16H32O2 | 007132-64-1 | 86 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050620\
Data File : BG045261.D
Acq On : 6 May 2020 20:19
Operator : CG/JU
Sample : L2513-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BU-03-050520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

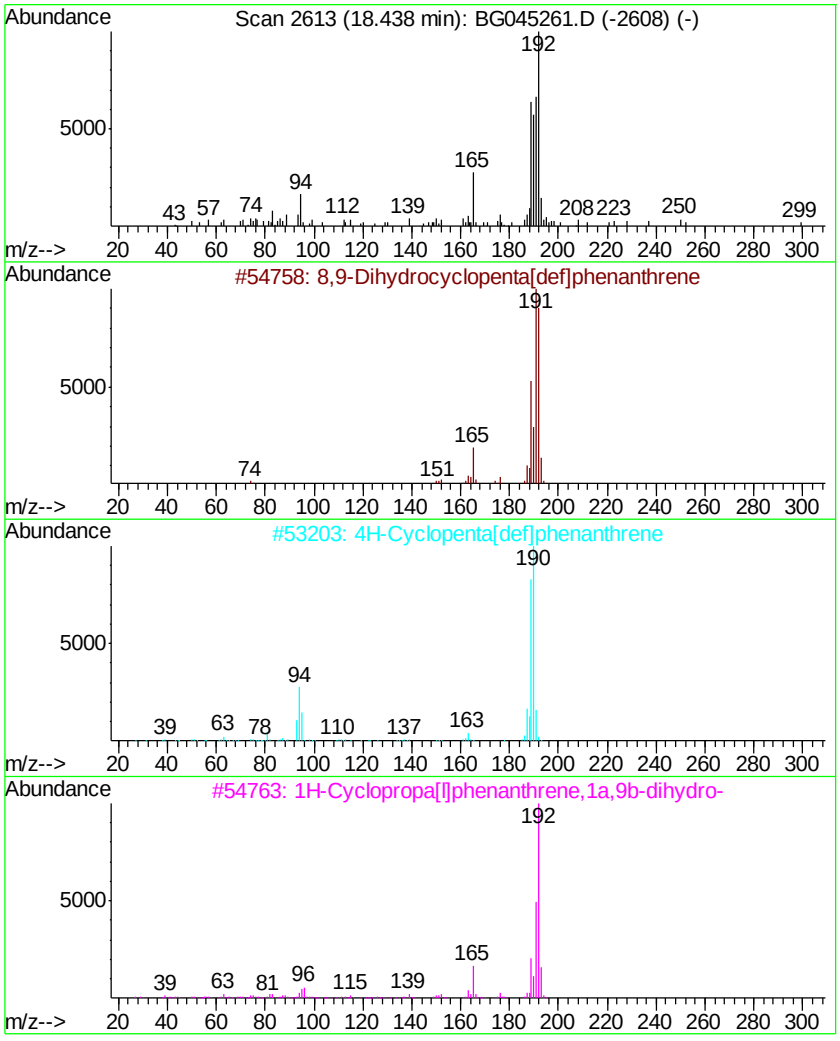
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

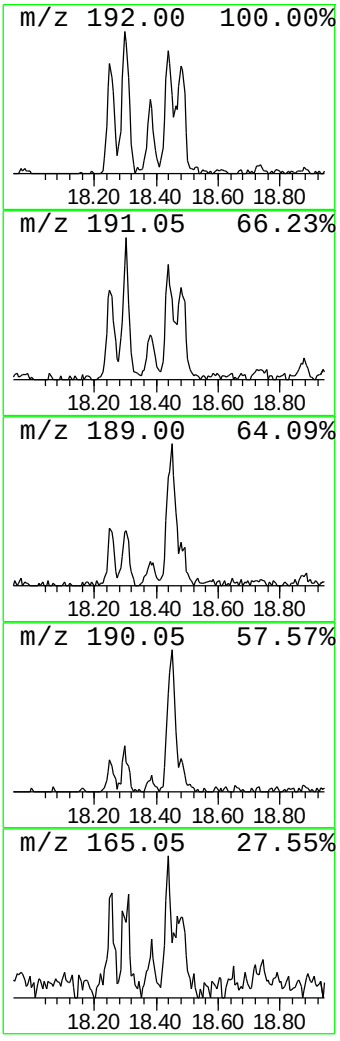
**********

Peak Number 3 8,9-Dihydrocyclopenta[def]p... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.44 | 2.24 ng | 114791 | Phenanthrene-d10 | 17.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 8,9-Dihydrocyclopenta[def]phenan... | 192 | C15H12 | 027410-55-5 | 51 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 46 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 46 |
| 4 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 46 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 46 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050620\
Data File : BG045261.D
Acq On : 6 May 2020 20:19
Operator : CG/JU
Sample : L2513-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BU-03-050520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

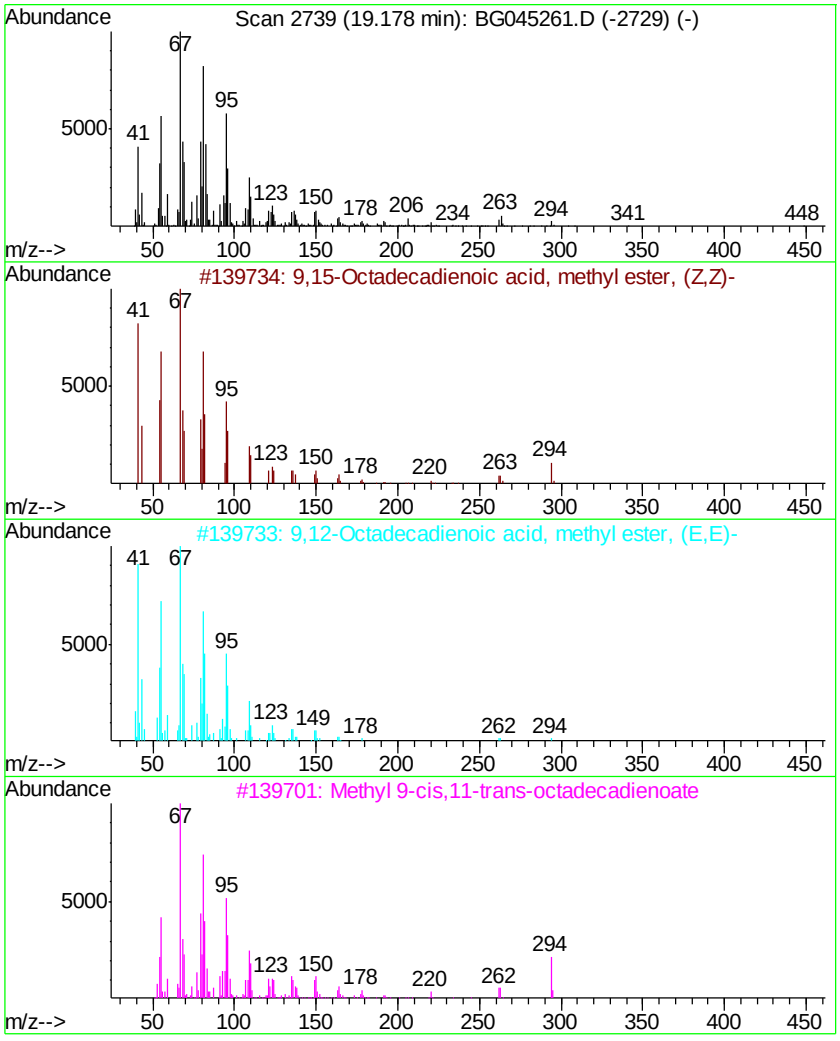
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

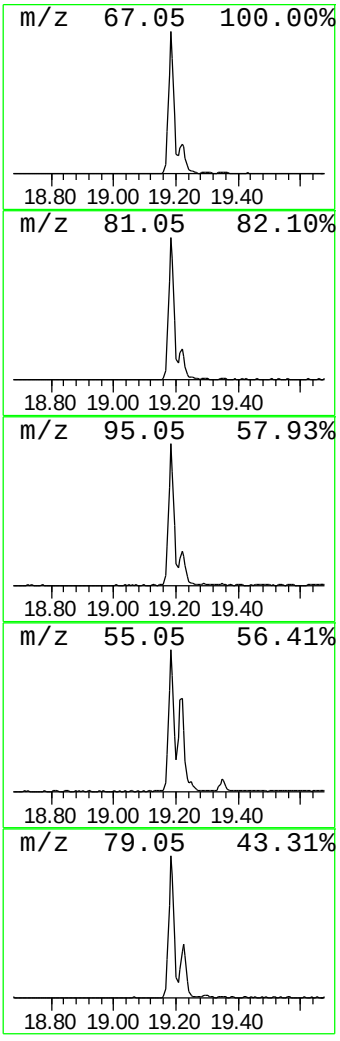
**********

Peak Number 4 9,15-Octadecadienoic acid, ... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.18 | 47.62 ng | 2439330 | Phenanthrene-d10 | 17.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,15-Octadecadienoic acid, methy... | 294 | C19H34O2 | 017309-05-6 | 99 |
| 2 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002566-97-4 | 98 |
| 3 | Methyl 9-cis,11-trans-octadecadi... | 294 | C19H34O2 | 1000336-44-0 | 98 |
| 4 | Methyl 10-trans,12-cis-octadecad... | 294 | C19H34O2 | 1000336-44-2 | 98 |
| 5 | 8,11-Octadecadienoic acid, methy... | 294 | C19H34O2 | 056599-58-7 | 95 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050620\
Data File : BG045261.D
Acq On : 6 May 2020 20:19
Operator : CG/JU
Sample : L2513-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BU-03-050520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

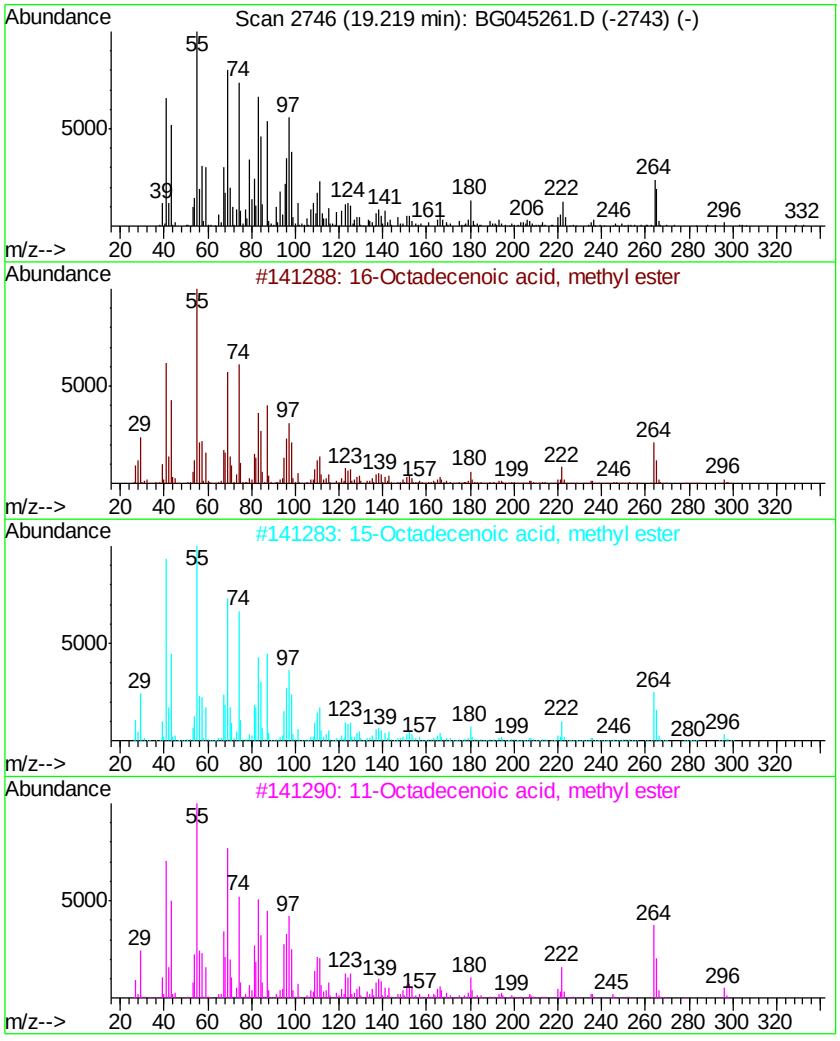
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

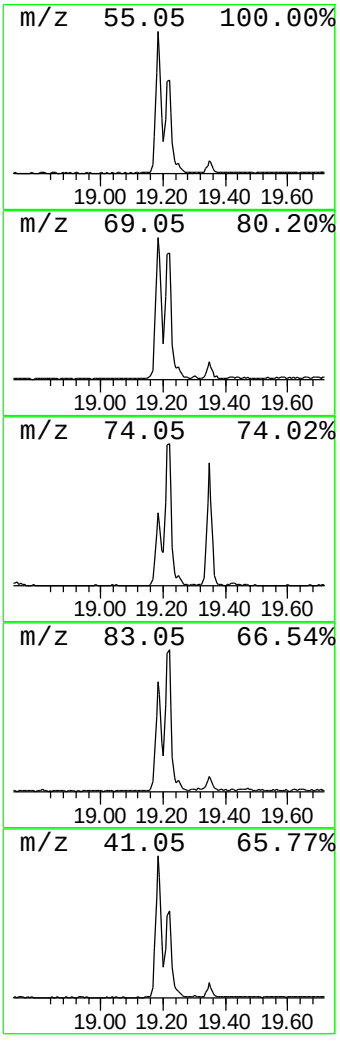
**********

Peak Number 5 16-Octadecenoic acid, methy... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.22 | 29.28 ng | 1499910 | Phenanthrene-d10 | 17.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 16-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-49-5 | 99 |
| 2 | 15-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 004764-72-1 | 98 |
| 3 | 11-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 052380-33-3 | 97 |
| 4 | 14-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-48-4 | 97 |
| 5 | 9-Octadecenoic acid (Z)-, methyl... | 296 | C19H36O2 | 000112-62-9 | 95 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050620\
Data File : BG045261.D
Acq On : 6 May 2020 20:19
Operator : CG/JU
Sample : L2513-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BU-03-050520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

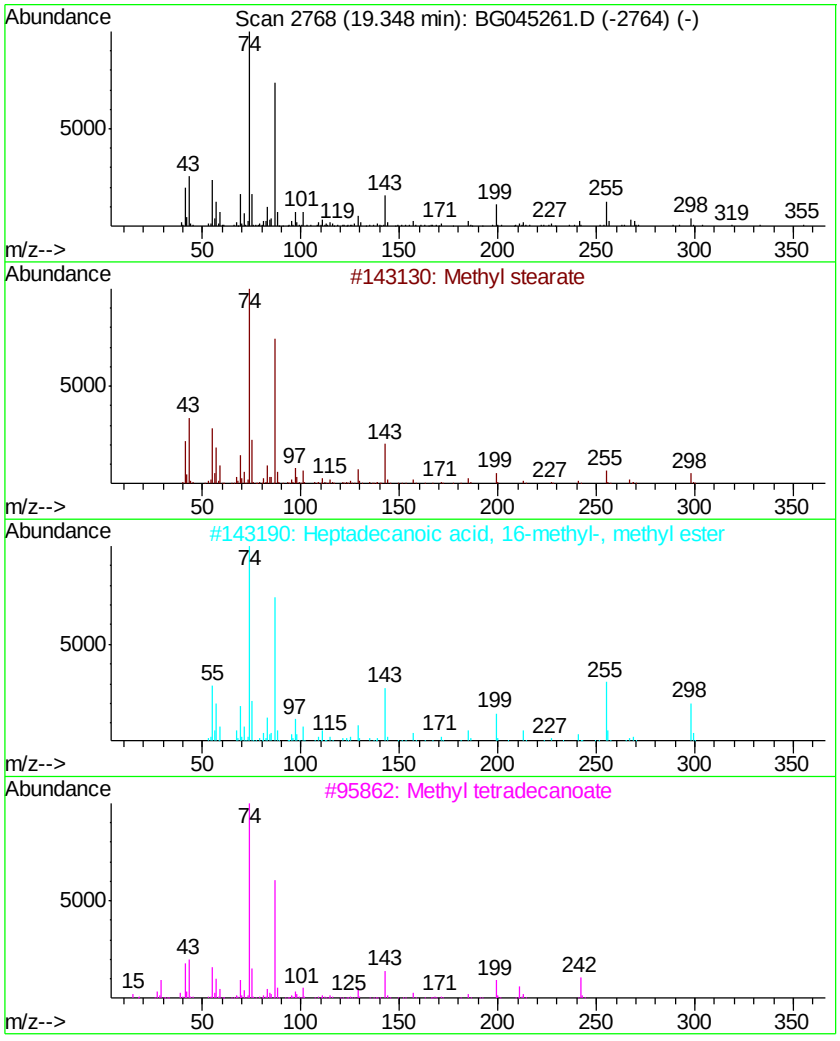
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

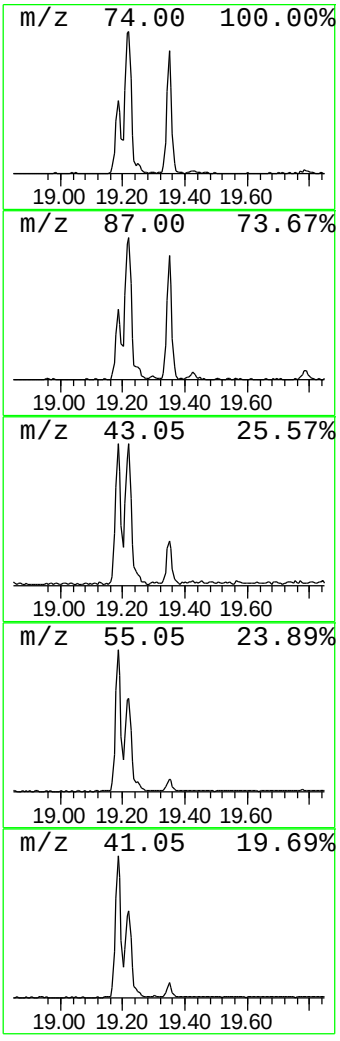
**********

Peak Number 6 Methyl stearate Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.35 | 4.33 ng | 221658 | Phenanthrene-d10 | 17.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methyl stearate | 298 | C19H38O2 | 000112-61-8 | 96 |
| 2 | Heptadecanoic acid, 16-methyl-, ... | 298 | C19H38O2 | 005129-61-3 | 91 |
| 3 | Methyl tetradecanoate | 242 | C15H30O2 | 000124-10-7 | 87 |
| 4 | Pentadecanoic acid, methyl ester | 256 | C16H32O2 | 007132-64-1 | 83 |
| 5 | Hexadecanoic acid, methyl ester | 270 | C17H34O2 | 000112-39-0 | 83 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG050620\
Data File : BG045261.D
Acq On : 6 May 2020 20:19
Operator : CG/JU
Sample : L2513-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BU-03-050520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.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 |
| Hexadecanoic acid... | 18.05 | 7.8 | ng | 397700 | 4 | 17.37 | 1024450 | 20.0 |
| 8,9-Dihydrocyclop... | 18.44 | 2.2 | ng | 114791 | 4 | 17.37 | 1024450 | 20.0 |
| 9,15-Octadecadien... | 19.18 | 47.6 | ng | 2439330 | 4 | 17.37 | 1024450 | 20.0 |
| 16-Octadecenoic a... | 19.22 | 29.3 | ng | 1499910 | 4 | 17.37 | 1024450 | 20.0 |
| Methyl stearate | 19.35 | 4.3 | ng | 221658 | 4 | 17.37 | 1024450 | 20.0 |