LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032624\
Data File : BM044770.D
Acq On : 26 Mar 2024 16:00
Operator : MA/JU
Sample : P1865-03 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
VNJ-205

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-BM031324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM044770.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.952 | 144 | 147 | 153 | rVB | 18132 | 27436 | 1.40% | 0.173% |
| 2 | 5.299 | 369 | 376 | 383 | rBV | 318762 | 482610 | 24.70% | 3.044% |
| 3 | 6.869 | 636 | 643 | 654 | rBV | 288879 | 478570 | 24.49% | 3.018% |
| 4 | 7.687 | 774 | 782 | 791 | rBV | 518582 | 836112 | 42.79% | 5.273% |
| 5 | 8.851 | 971 | 980 | 989 | rBV | 168466 | 304001 | 15.56% | 1.917% |
| 6 | 10.469 | 1246 | 1255 | 1261 | rBV | 611028 | 1087879 | 55.67% | 6.861% |
| 7 | 10.516 | 1261 | 1263 | 1270 | rVB | 27205 | 38426 | 1.97% | 0.242% |
| 8 | 12.139 | 1534 | 1539 | 1545 | rBV2 | 18446 | 31917 | 1.63% | 0.201% |
| 9 | 12.357 | 1569 | 1576 | 1582 | rBV | 17041 | 31405 | 1.61% | 0.198% |
| 10 | 12.945 | 1670 | 1676 | 1689 | rBV | 365880 | 574746 | 29.41% | 3.625% |
| 11 | 13.504 | 1766 | 1771 | 1779 | rVB7 | 10250 | 26031 | 1.33% | 0.164% |
| 12 | 13.657 | 1790 | 1797 | 1800 | rBV3 | 16587 | 32032 | 1.64% | 0.202% |
| 13 | 13.710 | 1800 | 1806 | 1813 | rVB7 | 12519 | 25596 | 1.31% | 0.161% |
| 14 | 14.057 | 1859 | 1865 | 1873 | rBV2 | 42794 | 69665 | 3.56% | 0.439% |
| 15 | 14.216 | 1885 | 1892 | 1902 | rBV7 | 10130 | 27108 | 1.39% | 0.171% |
| 16 | 14.333 | 1905 | 1912 | 1918 | rVV | 875192 | 1288348 | 65.93% | 8.126% |
| 17 | 14.398 | 1918 | 1923 | 1933 | rVB | 38921 | 70888 | 3.63% | 0.447% |
| 18 | 14.739 | 1973 | 1981 | 1990 | rBV | 30972 | 64533 | 3.30% | 0.407% |
| 19 | 15.121 | 2039 | 2046 | 2051 | rBV7 | 7894 | 20047 | 1.03% | 0.126% |
| 20 | 15.392 | 2086 | 2092 | 2099 | rBV | 62574 | 102463 | 5.24% | 0.646% |
| 21 | 15.686 | 2137 | 2142 | 2148 | rBV4 | 13384 | 25165 | 1.29% | 0.159% |
| 22 | 15.833 | 2158 | 2167 | 2175 | rBV | 306477 | 482110 | 24.67% | 3.041% |
| 23 | 16.068 | 2201 | 2207 | 2213 | rBV8 | 14336 | 30282 | 1.55% | 0.191% |
| 24 | 16.404 | 2256 | 2264 | 2267 | rBV5 | 15494 | 31255 | 1.60% | 0.197% |
| 25 | 16.910 | 2346 | 2350 | 2357 | rVB | 28671 | 47895 | 2.45% | 0.302% |
| 26 | 17.092 | 2373 | 2381 | 2385 | rBV | 973237 | 1464726 | 74.95% | 9.238% |
| 27 | 17.133 | 2385 | 2388 | 2395 | rVV | 387263 | 533620 | 27.31% | 3.366% |
| 28 | 17.227 | 2399 | 2404 | 2409 | rVV | 109018 | 165669 | 8.48% | 1.045% |
| 29 | 17.286 | 2410 | 2414 | 2419 | rVB6 | 13139 | 26334 | 1.35% | 0.166% |
| 30 | 17.504 | 2447 | 2451 | 2455 | rBV2 | 20102 | 29599 | 1.51% | 0.187% |
| 31 | 17.668 | 2476 | 2479 | 2489 | rVB4 | 14833 | 28116 | 1.44% | 0.177% |
| 32 | 17.968 | 2526 | 2530 | 2532 | rBV | 58590 | 87100 | 4.46% | 0.549% |
| 33 | 17.998 | 2532 | 2535 | 2545 | rVB2 | 228481 | 451437 | 23.10% | 2.847% |
| 34 | 18.098 | 2550 | 2552 | 2558 | rVV | 36935 | 54179 | 2.77% | 0.342% |
| 35 | 18.162 | 2558 | 2563 | 2567 | rVV3 | 99369 | 184346 | 9.43% | 1.163% |
| 36 | 18.198 | 2567 | 2569 | 2574 | rVB | 40207 | 53166 | 2.72% | 0.335% |

LSC Area Percent Report

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Sample : P1865-03 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
VNJ-205

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-BM031324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 18.474 | 2613 | 2616 | 2620 | rVB | 37937 | 46525 | 2.38% | 0.293% |
| 38 | 18.762 | 2663 | 2665 | 2670 | rBV2 | 16135 | 22445 | 1.15% | 0.142% |
| 39 | 18.809 | 2671 | 2673 | 2678 | rVB3 | 21483 | 22236 | 1.14% | 0.140% |
| 40 | 18.892 | 2683 | 2687 | 2691 | rBV2 | 44966 | 67336 | 3.45% | 0.425% |
| 41 | 19.156 | 2726 | 2732 | 2739 | rBV | 578640 | 848638 | 43.43% | 5.352% |
| 42 | 19.292 | 2751 | 2755 | 2763 | rBV2 | 127284 | 236715 | 12.11% | 1.493% |
| 43 | 19.521 | 2785 | 2794 | 2803 | rBV | 510830 | 859028 | 43.96% | 5.418% |
| 44 | 19.733 | 2825 | 2830 | 2842 | rVB | 558224 | 757101 | 38.74% | 4.775% |
| 45 | 20.021 | 2876 | 2879 | 2883 | rVB | 88344 | 105621 | 5.40% | 0.666% |
| 46 | 20.121 | 2893 | 2896 | 2900 | rBV2 | 85893 | 104653 | 5.36% | 0.660% |
| 47 | 21.292 | 3089 | 3095 | 3099 | rBV2 | 1237835 | 1954198 | 100.00% | 12.325% |
| 48 | 23.539 | 3472 | 3477 | 3482 | rVB | 865812 | 1516232 | 77.59% | 9.563% |

Sum of corrected areas: 15855540

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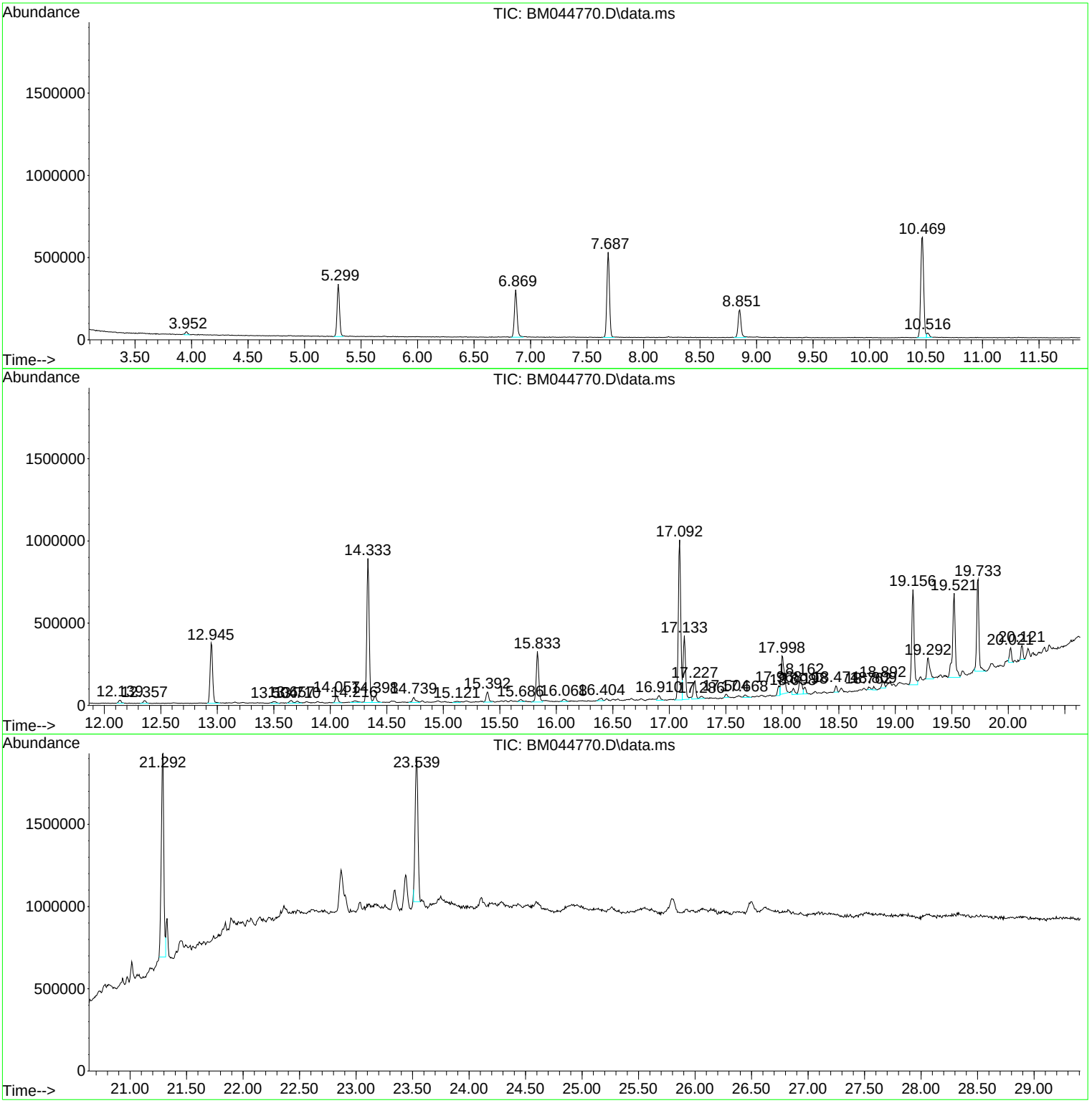
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
VNJ-205

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032624\
Data File : BM044770.D
Acq On : 26 Mar 2024 16:00
Operator : MA/JU
Sample : P1865-03 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
VNJ-205

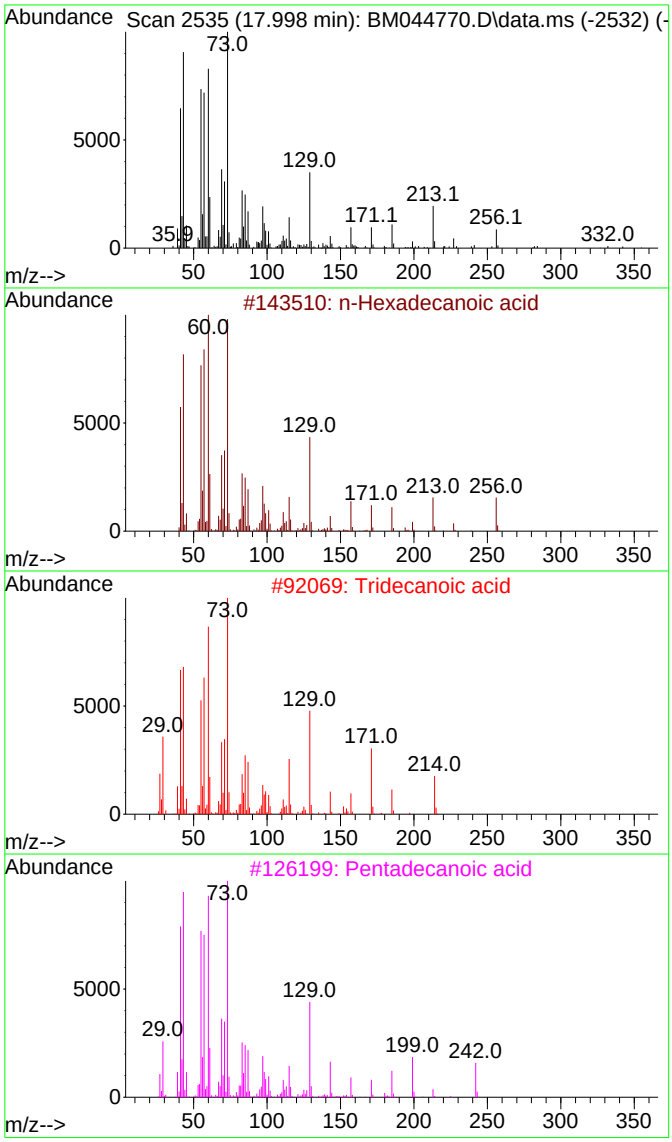
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

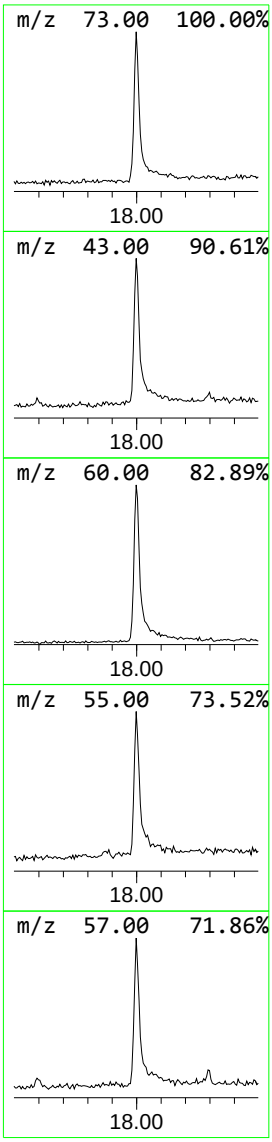
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.998 | 6.16 ng | 451437 | Phenanthrene-d10 | 17.092 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 94 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 87 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 64 |
| 5 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 59 |



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Data File : BM044770.D
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Operator : MA/JU
Sample : P1865-03 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
VNJ-205

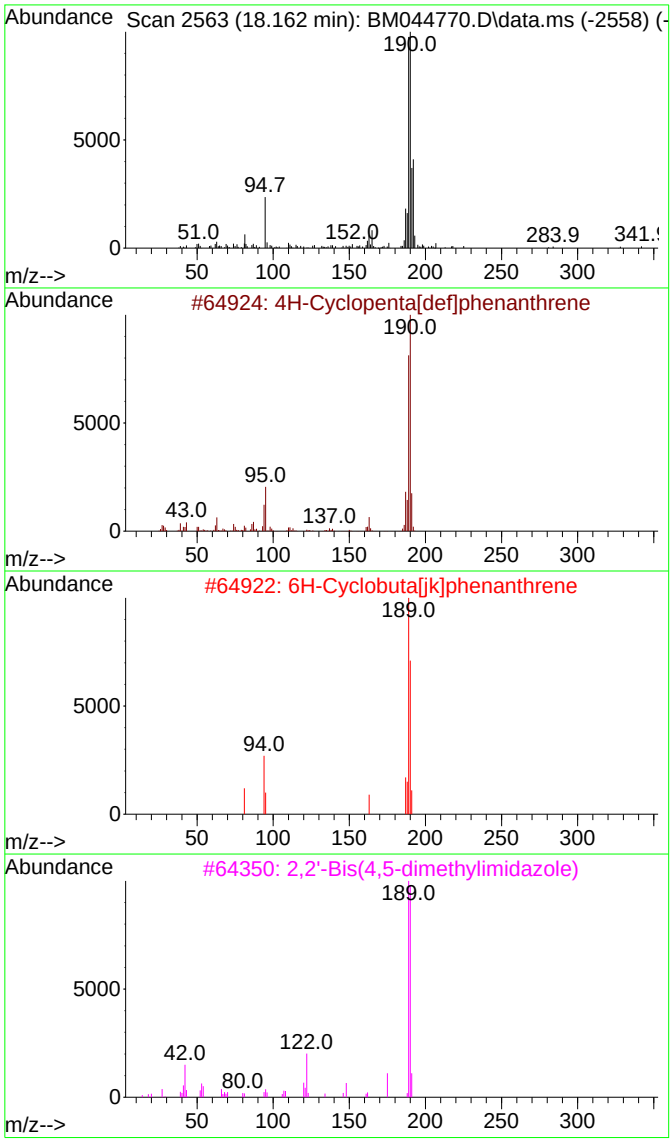
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

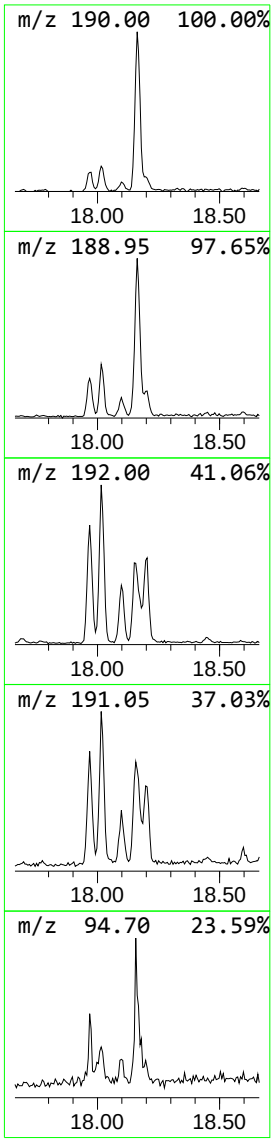
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.162 | 2.52 ng | 184346 | Phenanthrene-d10 | 17.092 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 76 |
| 2 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 53 |
| 3 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 47 |
| 4 | Pyrazole-4-carboxaldehyde, 3-(4-... | 190 | C10H7FN2O | 306936-57-2 | 40 |
| 5 | 1-Aminocyclopentanecarboxylic ac... | 389 | C20H36ClNO4 | 1000329-17-2 | 25 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032624\
Data File : BM044770.D
Acq On : 26 Mar 2024 16:00
Operator : MA/JU
Sample : P1865-03 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
VNJ-205

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

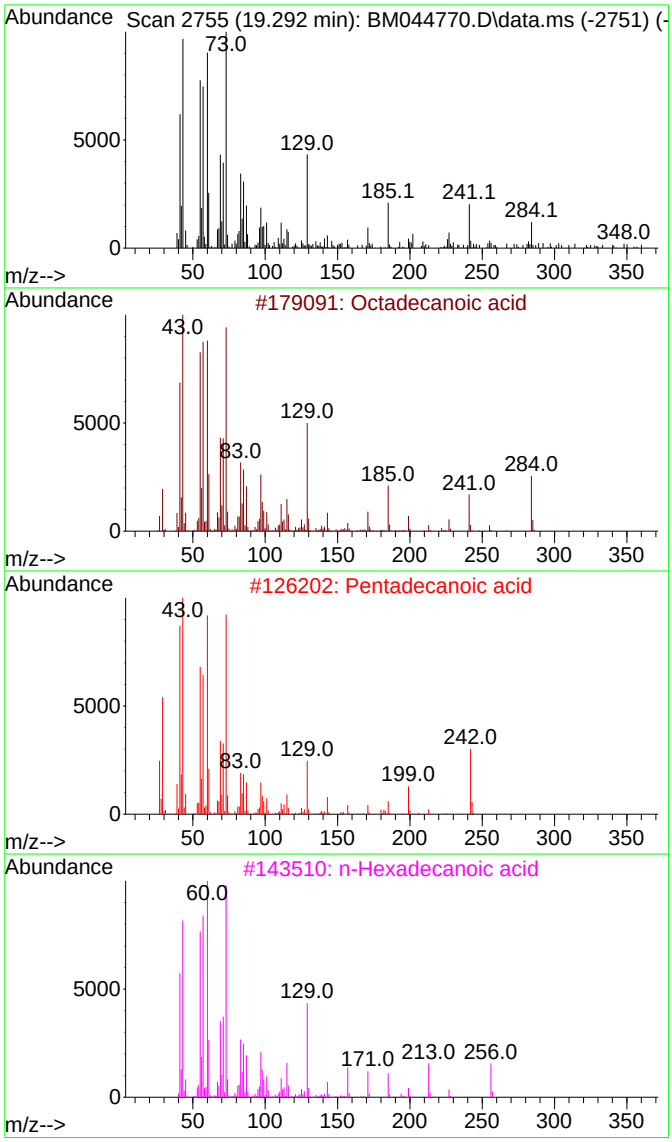
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

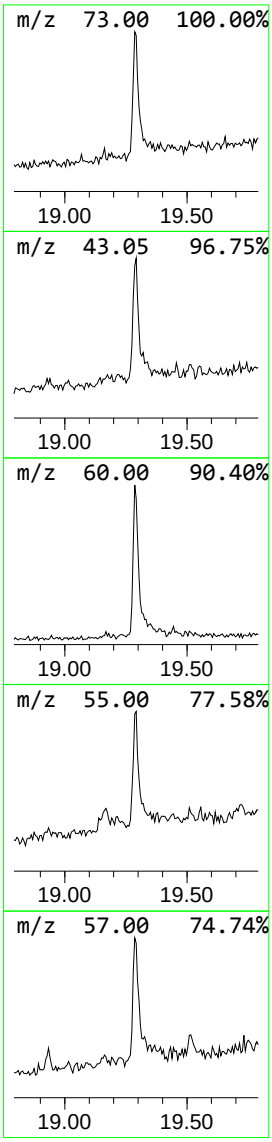
**********

Peak Number 3 Octadecanoic acid Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.292 | 2.42 ng | 236715 | Chrysene-d12 | 21.292 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 98 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 91 |
| 3 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 81 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 78 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 70 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032624\
Data File : BM044770.D
Acq On : 26 Mar 2024 16:00
Operator : MA/JU
Sample : P1865-03 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
VNJ-205

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| n-Hexadecanoic ... | 17.998 | 6.2 | ng | 451437 | 4 | 17.092 | 1464730 | 20.0 |
| 4H-Cyclopenta[d... | 18.162 | 2.5 | ng | 184346 | 4 | 17.092 | 1464730 | 20.0 |
| Octadecanoic acid | 19.292 | 2.4 | ng | 236715 | 5 | 21.292 | 1954200 | 20.0 |