LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010324\
Data File : BF136916.D
Acq On : 03 Jan 2024 19:48
Operator : CG\JU
Sample : 05909-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
GHL-SD-50

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-BF122023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF136916.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.863 | 298 | 302 | 311 | rVB | 14483 | 20450 | 1.22% | 0.107% |
| 2 | 5.022 | 494 | 499 | 505 | rVB | 27631 | 35405 | 2.11% | 0.185% |
| 3 | 5.381 | 557 | 560 | 564 | rBV | 19667 | 21633 | 1.29% | 0.113% |
| 4 | 5.422 | 564 | 567 | 579 | rVV | 1359960 | 1215650 | 72.35% | 6.364% |
| 5 | 5.634 | 600 | 603 | 607 | rBV | 27715 | 25201 | 1.50% | 0.132% |
| 6 | 6.428 | 734 | 738 | 750 | rBV | 1427163 | 1290467 | 76.80% | 6.755% |
| 7 | 6.604 | 765 | 768 | 772 | rBV2 | 26791 | 29023 | 1.73% | 0.152% |
| 8 | 6.781 | 794 | 798 | 801 | rBV | 455568 | 364213 | 21.68% | 1.907% |
| 9 | 7.340 | 889 | 893 | 896 | rBV | 912377 | 831480 | 49.48% | 4.353% |
| 10 | 8.057 | 1011 | 1015 | 1017 | rBV | 583928 | 486531 | 28.95% | 2.547% |
| 11 | 8.075 | 1017 | 1018 | 1023 | rVB | 59768 | 37087 | 2.21% | 0.194% |
| 12 | 8.769 | 1133 | 1136 | 1140 | rVB | 63093 | 47468 | 2.82% | 0.248% |
| 13 | 8.869 | 1147 | 1153 | 1156 | rBV | 44410 | 40564 | 2.41% | 0.212% |
| 14 | 9.134 | 1194 | 1198 | 1201 | rBV | 2114888 | 1680330 | 100.00% | 8.796% |
| 15 | 9.469 | 1251 | 1255 | 1258 | rBV | 26781 | 25790 | 1.53% | 0.135% |
| 16 | 9.586 | 1273 | 1275 | 1281 | rVB | 17280 | 20820 | 1.24% | 0.109% |
| 17 | 9.810 | 1310 | 1313 | 1317 | rBV | 651461 | 560248 | 33.34% | 2.933% |
| 18 | 9.916 | 1326 | 1331 | 1335 | rBV4 | 14803 | 23729 | 1.41% | 0.124% |
| 19 | 10.022 | 1344 | 1349 | 1351 | rBV3 | 22051 | 25559 | 1.52% | 0.134% |
| 20 | 10.351 | 1402 | 1405 | 1408 | rBV | 31305 | 26042 | 1.55% | 0.136% |
| 21 | 10.604 | 1444 | 1448 | 1452 | rBV | 1023771 | 945198 | 56.25% | 4.948% |
| 22 | 10.733 | 1465 | 1470 | 1473 | rBV | 54736 | 62361 | 3.71% | 0.326% |
| 23 | 11.169 | 1538 | 1544 | 1547 | rBV6 | 18831 | 23577 | 1.40% | 0.123% |
| 24 | 11.257 | 1556 | 1559 | 1563 | rBV4 | 37238 | 37664 | 2.24% | 0.197% |
| 25 | 11.304 | 1563 | 1567 | 1570 | rVV | 687387 | 569673 | 33.90% | 2.982% |
| 26 | 11.357 | 1574 | 1576 | 1582 | rVB4 | 24193 | 26535 | 1.58% | 0.139% |
| 27 | 11.698 | 1629 | 1634 | 1638 | rVB7 | 16087 | 22935 | 1.36% | 0.120% |
| 28 | 11.769 | 1642 | 1646 | 1650 | rBV2 | 33691 | 44634 | 2.66% | 0.234% |
| 29 | 11.845 | 1654 | 1659 | 1668 | rVV | 412556 | 465205 | 27.69% | 2.435% |
| 30 | 12.016 | 1684 | 1688 | 1696 | rBV2 | 28706 | 46293 | 2.75% | 0.242% |
| 31 | 12.398 | 1750 | 1753 | 1759 | rBV | 39993 | 45181 | 2.69% | 0.237% |
| 32 | 12.563 | 1773 | 1781 | 1787 | rBV9 | 30004 | 79623 | 4.74% | 0.417% |
| 33 | 12.627 | 1789 | 1792 | 1804 | rVB | 133435 | 156891 | 9.34% | 0.821% |
| 34 | 12.898 | 1834 | 1838 | 1842 | rBV | 1409095 | 1255143 | 74.70% | 6.571% |
| 35 | 13.127 | 1873 | 1877 | 1880 | rBV | 61240 | 65144 | 3.88% | 0.341% |
| 36 | 13.351 | 1912 | 1915 | 1920 | rBV5 | 30354 | 37732 | 2.25% | 0.198% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010324\
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Operator : CG\JU
Sample : 05909-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
GHL-SD-50

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-BF122023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 13.474 | 1931 | 1936 | 1939 | rBV2 | 49517 | 57224 | 3.41% | 0.300% |
| 38 | 13.592 | 1953 | 1956 | 1960 | rVB2 | 28461 | 28925 | 1.72% | 0.151% |
| 39 | 13.804 | 1988 | 1992 | 1995 | rBV | 265213 | 301569 | 17.95% | 1.579% |
| 40 | 13.963 | 2015 | 2019 | 2025 | rVB | 367183 | 380399 | 22.64% | 1.991% |
| 41 | 14.027 | 2027 | 2030 | 2038 | rBV2 | 201439 | 251395 | 14.96% | 1.316% |
| 42 | 14.121 | 2042 | 2046 | 2050 | rVB2 | 63769 | 78968 | 4.70% | 0.413% |
| 43 | 14.251 | 2064 | 2068 | 2071 | rBV | 62718 | 55241 | 3.29% | 0.289% |
| 44 | 14.345 | 2082 | 2084 | 2090 | rBV7 | 16752 | 25373 | 1.51% | 0.133% |
| 45 | 14.433 | 2095 | 2099 | 2101 | rVV | 351709 | 309300 | 18.41% | 1.619% |
| 46 | 14.463 | 2101 | 2104 | 2112 | rVV4 | 244717 | 594579 | 35.38% | 3.113% |
| 47 | 14.527 | 2113 | 2115 | 2119 | rVV3 | 72189 | 109985 | 6.55% | 0.576% |
| 48 | 14.557 | 2119 | 2120 | 2128 | rVB | 49377 | 49158 | 2.93% | 0.257% |
| 49 | 14.651 | 2133 | 2136 | 2146 | rVV2 | 120557 | 186580 | 11.10% | 0.977% |
| 50 | 14.739 | 2146 | 2151 | 2156 | rVV | 59671 | 90199 | 5.37% | 0.472% |
| 51 | 14.810 | 2158 | 2163 | 2172 | rVV4 | 37893 | 73932 | 4.40% | 0.387% |
| 52 | 14.886 | 2173 | 2176 | 2180 | rVB | 124551 | 129447 | 7.70% | 0.678% |
| 53 | 15.086 | 2205 | 2210 | 2214 | rVB | 271279 | 311596 | 18.54% | 1.631% |
| 54 | 15.133 | 2214 | 2218 | 2222 | rBV | 550325 | 1081739 | 64.38% | 5.663% |
| 55 | 15.374 | 2256 | 2259 | 2266 | rBV2 | 74711 | 117305 | 6.98% | 0.614% |
| 56 | 15.445 | 2266 | 2271 | 2281 | rVB | 315752 | 454326 | 27.04% | 2.378% |
| 57 | 15.574 | 2289 | 2293 | 2301 | rVB3 | 47775 | 81403 | 4.84% | 0.426% |
| 58 | 15.680 | 2305 | 2311 | 2318 | rVB | 131704 | 186728 | 11.11% | 0.978% |
| 59 | 15.921 | 2346 | 2352 | 2359 | rVB | 251726 | 416077 | 24.76% | 2.178% |
| 60 | 16.004 | 2361 | 2366 | 2370 | rBV2 | 281474 | 652052 | 38.80% | 3.413% |
| 61 | 16.045 | 2371 | 2373 | 2389 | rVB3 | 284316 | 615144 | 36.61% | 3.220% |
| 62 | 16.433 | 2437 | 2439 | 2444 | rVB3 | 20676 | 27540 | 1.64% | 0.144% |
| 63 | 16.598 | 2464 | 2467 | 2479 | rVB9 | 23672 | 56630 | 3.37% | 0.296% |
| 64 | 16.739 | 2485 | 2491 | 2500 | rVB2 | 78254 | 161173 | 9.59% | 0.844% |
| 65 | 16.986 | 2528 | 2533 | 2538 | rBV3 | 66987 | 133463 | 7.94% | 0.699% |
| 66 | 17.057 | 2538 | 2545 | 2554 | rVB | 143540 | 320386 | 19.07% | 1.677% |
| 67 | 17.186 | 2561 | 2567 | 2568 | rBV6 | 17332 | 30823 | 1.83% | 0.161% |
| 68 | 17.245 | 2570 | 2577 | 2596 | rVB3 | 90879 | 326511 | 19.43% | 1.709% |
| 69 | 17.592 | 2628 | 2636 | 2653 | rBV9 | 85083 | 388155 | 23.10% | 2.032% |
| 70 | 17.933 | 2690 | 2694 | 2701 | rBV7 | 24967 | 54587 | 3.25% | 0.286% |
| 71 | 18.245 | 2738 | 2747 | 2748 | rBV6 | 27023 | 67356 | 4.01% | 0.353% |
| 72 | 18.598 | 2799 | 2807 | 2816 | rBV6 | 77697 | 205724 | 12.24% | 1.077% |

Sum of corrected areas: 19102471

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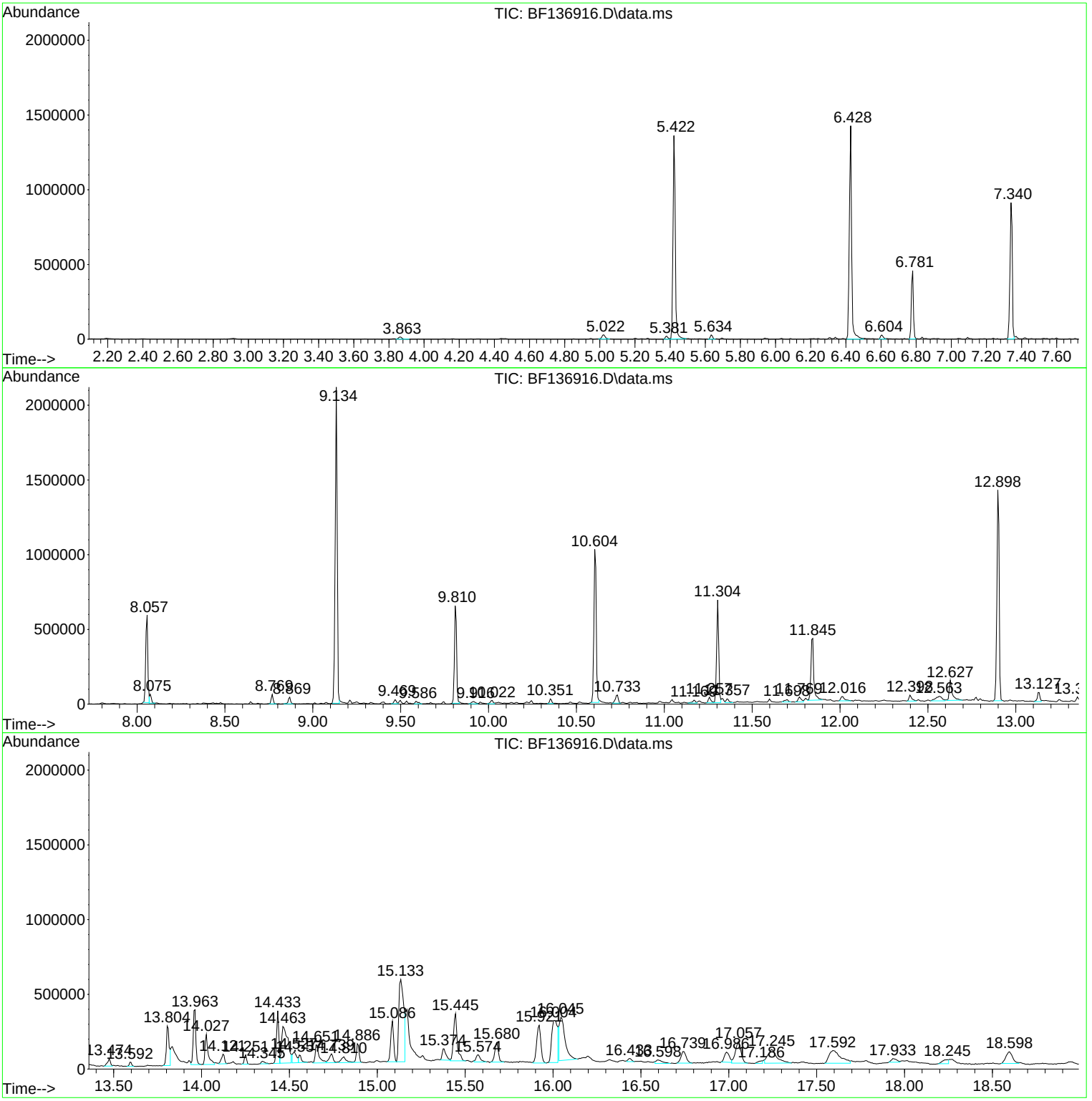
Data File : BF136916.D
Acq On : 03 Jan 2024 19:48
Operator : CG\JU
Sample : 05909-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
GHL-SD-50

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.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_F\Data\BF010324\
Data File : BF136916.D
Acq On : 03 Jan 2024 19:48
Operator : CG\JU
Sample : 05909-12
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ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
GHL-SD-50

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

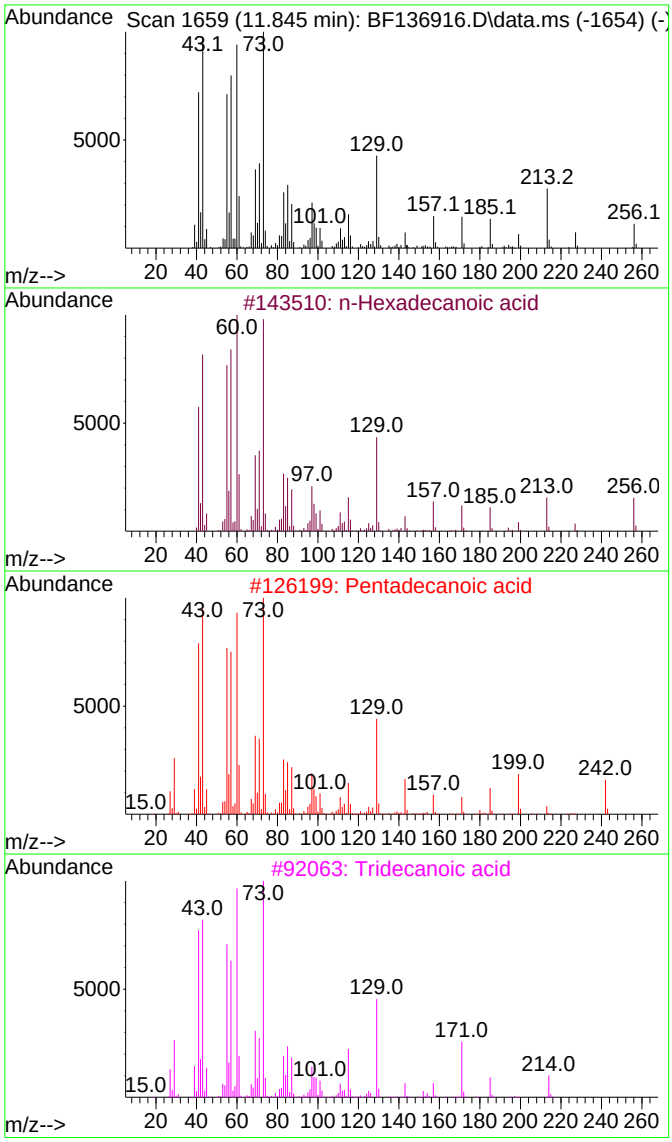
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

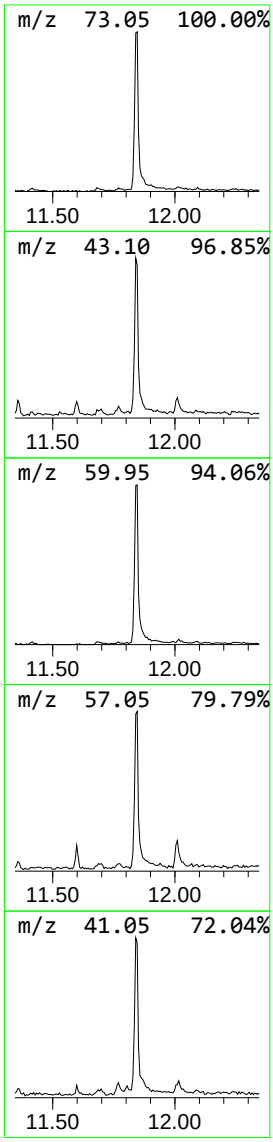
**********

Peak Number 1 n-Hexadecanoic acid Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.845 | 16.33 ng | 465205 | Phenanthrene-d10 | 11.304 |

| 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 | 93 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 83 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 76 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010324\
Data File : BF136916.D
Acq On : 03 Jan 2024 19:48
Operator : CG\JU
Sample : 05909-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
GHL-SD-50

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

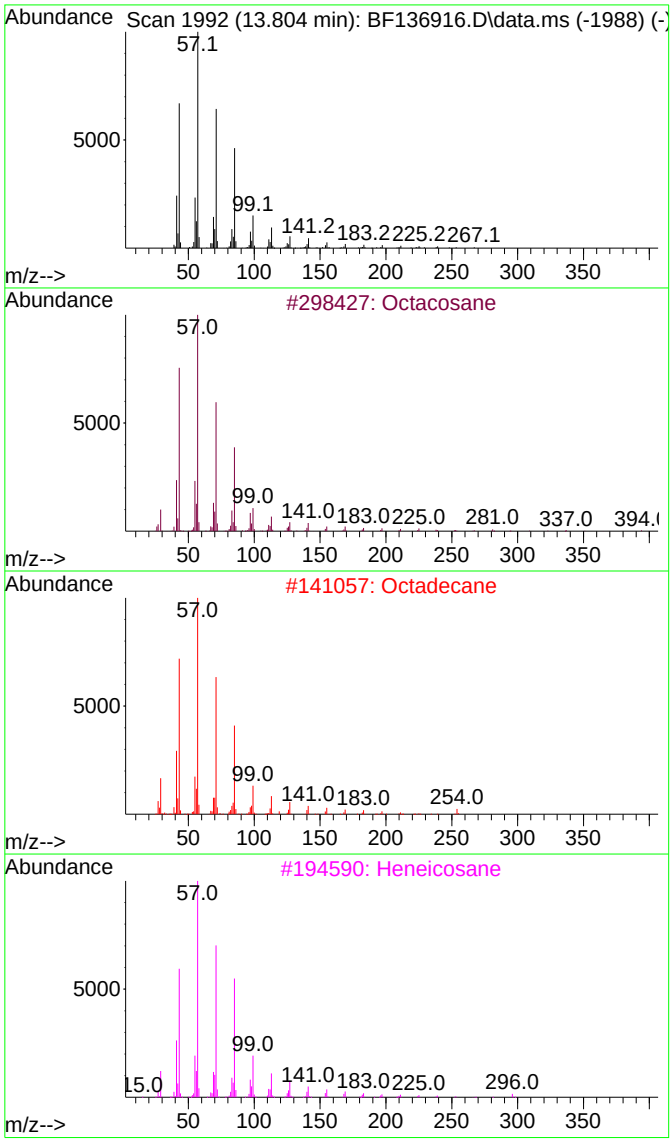
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

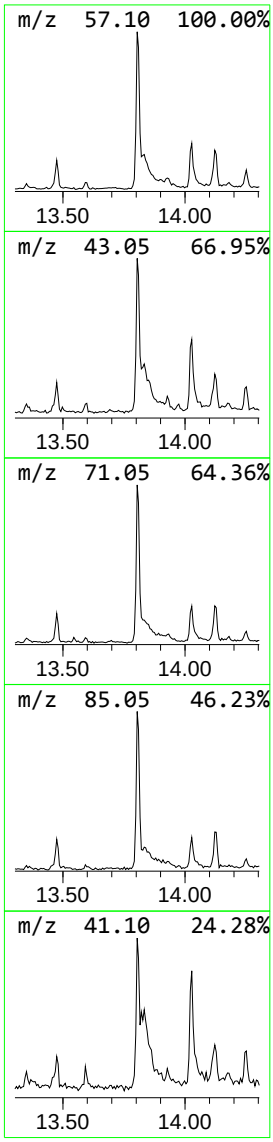
**********

Peak Number 2 Octacosane Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.804 | 15.86 ng | 301569 | Chrysene-d12 | 13.963 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 2 | Octadecane | 254 | C18H38 | 000593-45-3 | 91 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 4 | Triacontane | 422 | C30H62 | 000638-68-6 | 91 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010324\
Data File : BF136916.D
Acq On : 03 Jan 2024 19:48
Operator : CG\JU
Sample : 05909-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
GHL-SD-50

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

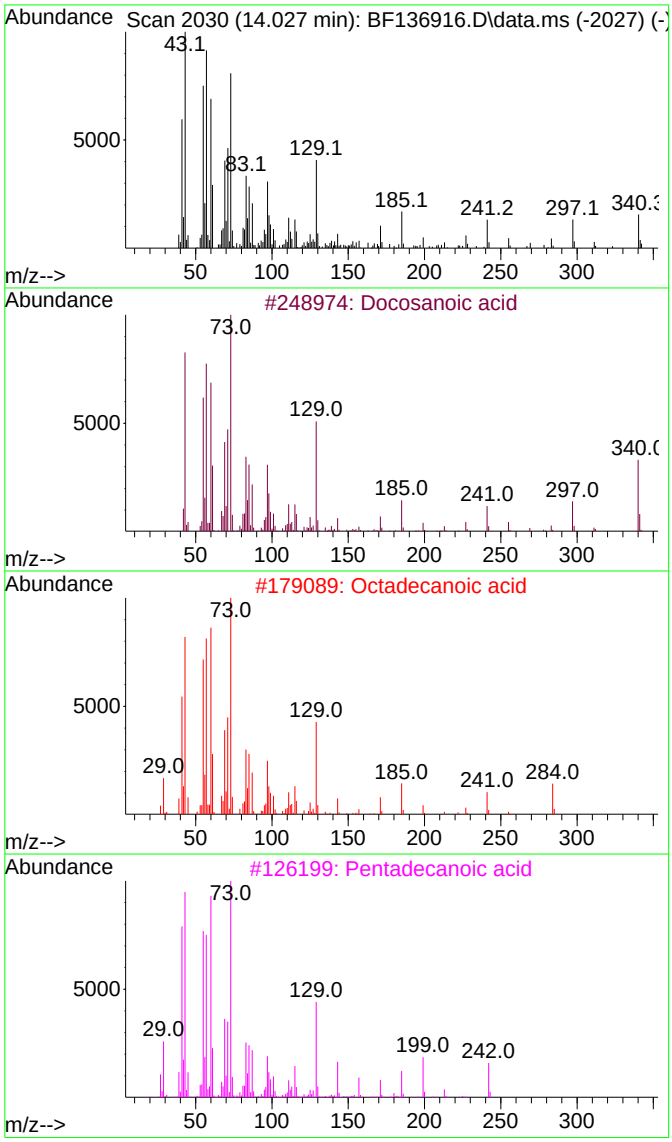
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

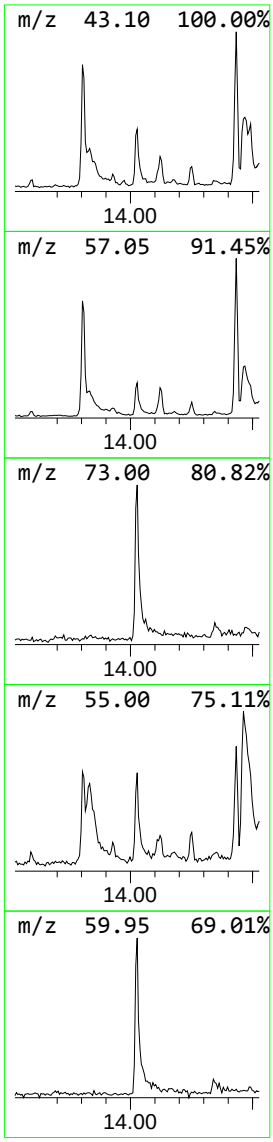
**********

Peak Number 3 Docosanoic acid Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.027 | 13.22 ng | 251395 | Chrysene-d12 | 13.963 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Docosanoic acid | 340 | C22H44O2 | 000112-85-6 | 99 |
| 2 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 93 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 78 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 70 |
| 5 | Decanoic acid, silver(1+) salt | 278 | C10H19AgO2 | 013126-67-5 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010324\
Data File : BF136916.D
Acq On : 03 Jan 2024 19:48
Operator : CG\JU
Sample : 05909-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
GHL-SD-50

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

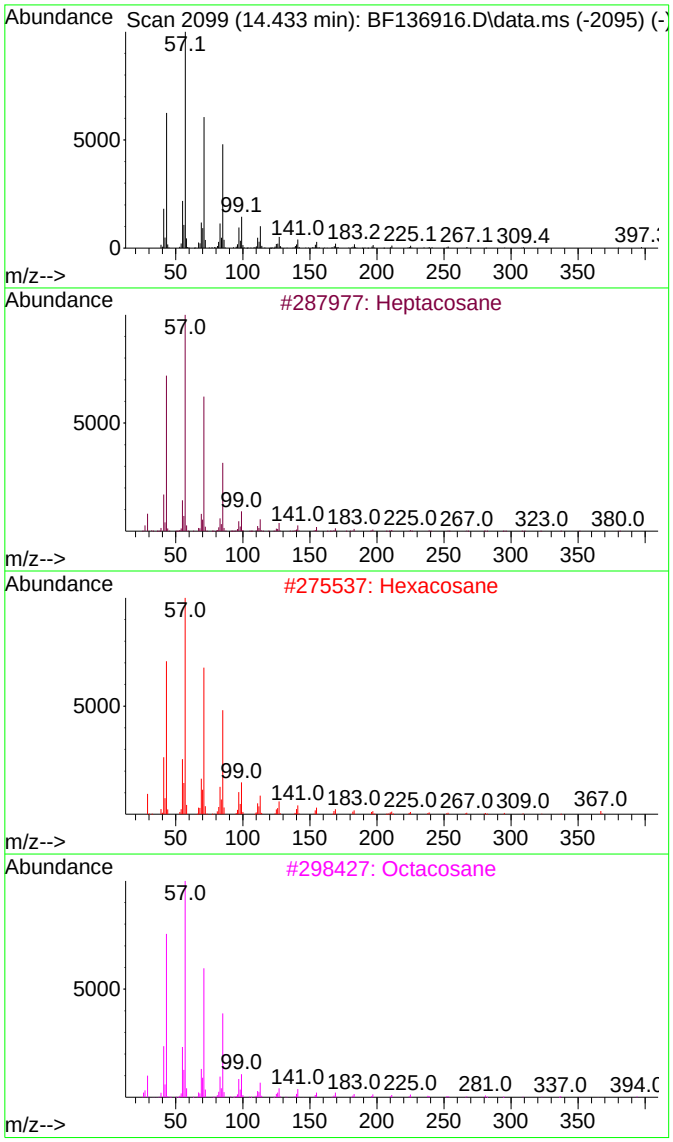
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

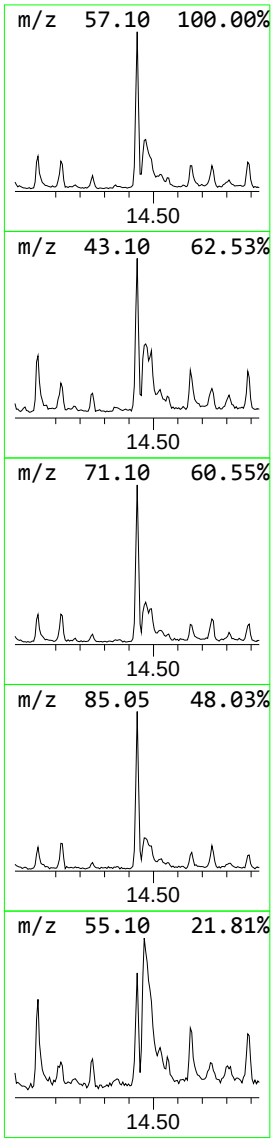
**********

Peak Number 4 Heptacosane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.433 | 16.26 ng | 309300 | Chrysene-d12 | 13.963 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptacosane | 380 | C27H56 | 000593-49-7 | 98 |
| 2 | Hexacosane | 366 | C26H54 | 000630-01-3 | 94 |
| 3 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 91 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010324\
Data File : BF136916.D
Acq On : 03 Jan 2024 19:48
Operator : CG\JU
Sample : 05909-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
GHL-SD-50

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

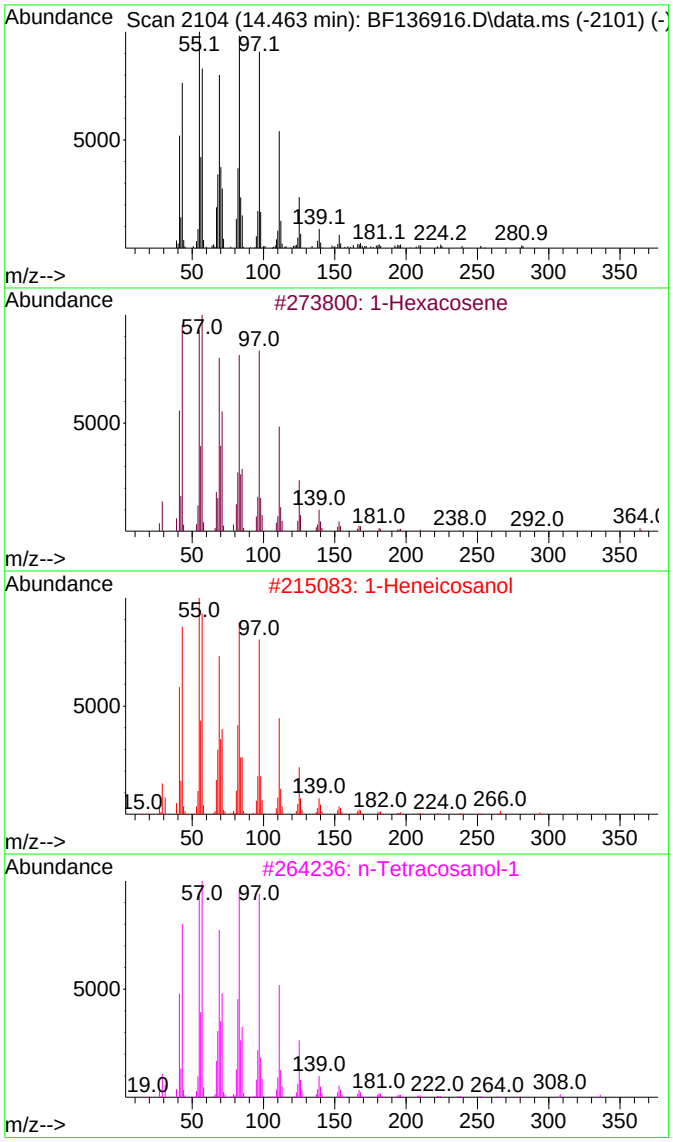
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

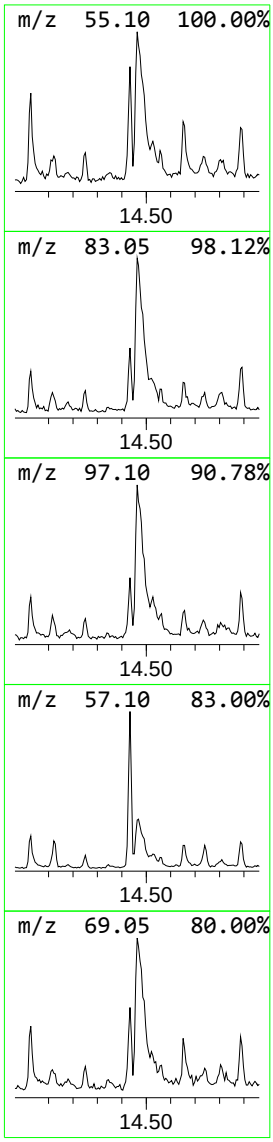
**********

Peak Number 5 1-Hexacosene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.463 | 31.26 ng | 594579 | Chrysene-d12 | 13.963 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hexacosene | 364 | C26H52 | 018835-33-1 | 91 |
| 2 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 91 |
| 3 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 91 |
| 4 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 91 |
| 5 | 1-Tetracosene | 336 | C24H48 | 010192-32-2 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010324\
Data File : BF136916.D
Acq On : 03 Jan 2024 19:48
Operator : CG\JU
Sample : 05909-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
GHL-SD-50

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

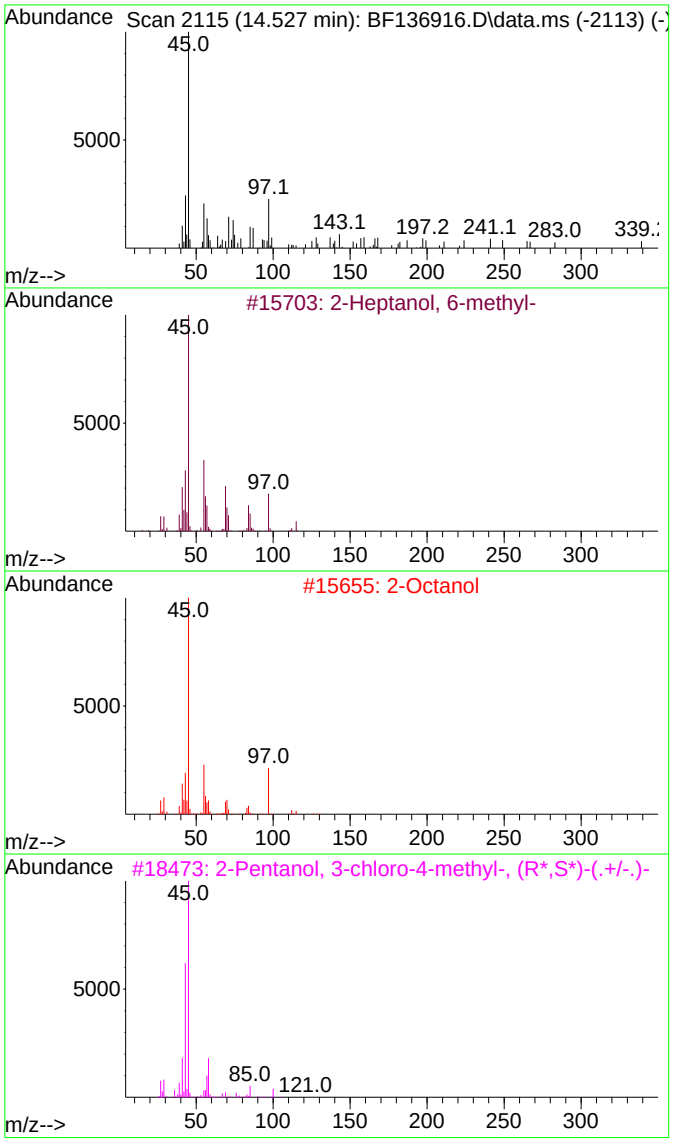
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

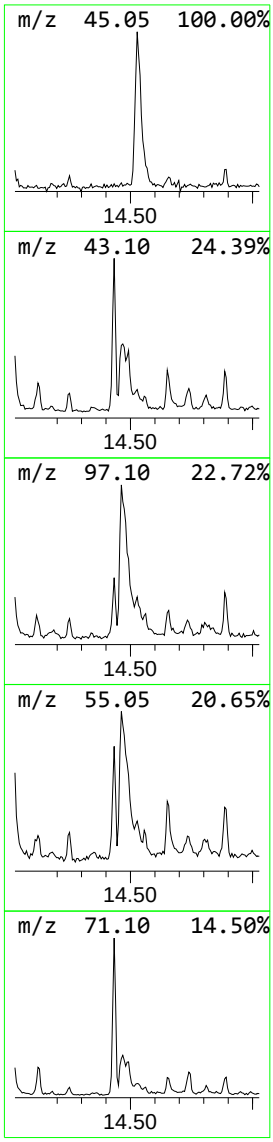
**********

Peak Number 6 2-Heptanol, 6-methyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.527 | 5.78 ng | 109985 | Chrysene-d12 | 13.963 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Heptanol, 6-methyl- | 130 | C8H18O | 004730-22-7 | 50 |
| 2 | 2-Octanol | 130 | C8H18O | 000123-96-6 | 42 |
| 3 | 2-Pentanol, 3-chloro-4-methyl-, ... | 136 | C6H13ClO | 074685-48-6 | 40 |
| 4 | 2-Dodecanol | 186 | C12H26O | 010203-28-8 | 39 |
| 5 | 2-Undecanol | 172 | C11H24O | 001653-30-1 | 39 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010324\
Data File : BF136916.D
Acq On : 03 Jan 2024 19:48
Operator : CG\JU
Sample : 05909-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
GHL-SD-50

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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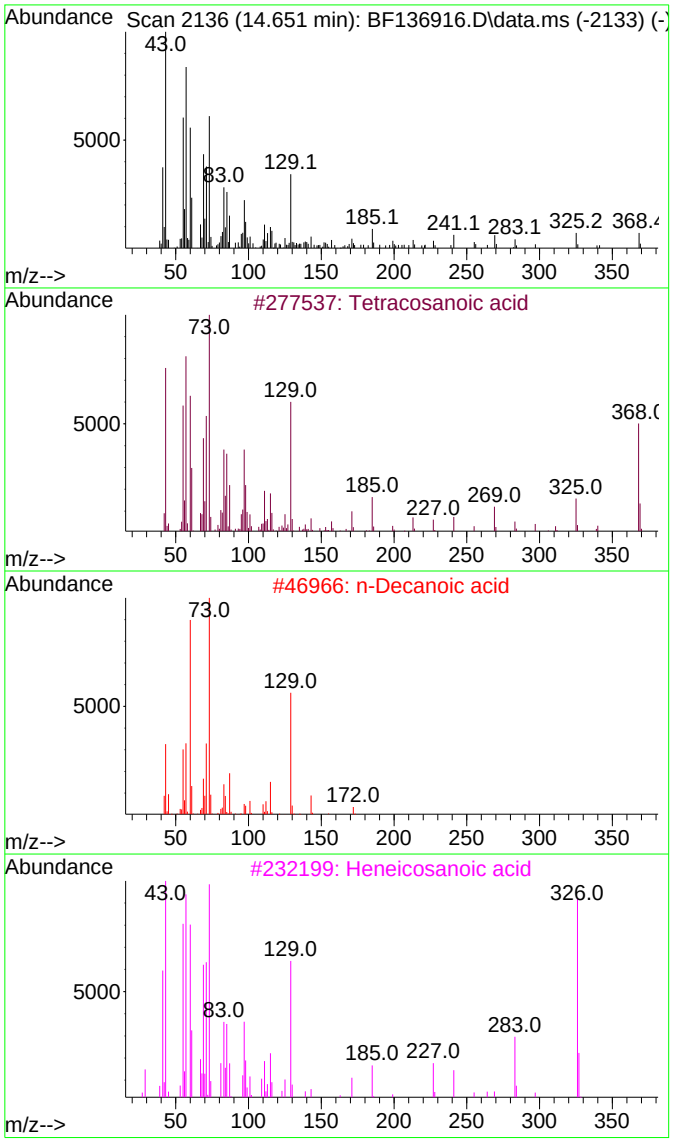
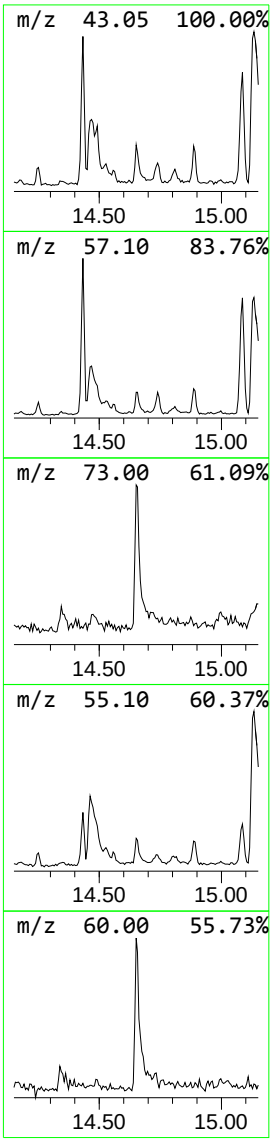
Peak Number 7 Tetracosanoic acid Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.651 | 9.81 ng | 186580 | Chrysene-d12 | 13.963 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetracosanoic acid | 368 | C24H48O2 | 000557-59-5 | 99 |
| 2 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 89 |
| 3 | Heneicosanoic acid | 326 | C21H42O2 | 002363-71-5 | 74 |
| 4 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 72 |
| 5 | Heneicosanoic acid, isopropyl ester | 368 | C24H48O2 | 1000405-13-6 | 72 |



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Data File : BF136916.D
Acq On : 03 Jan 2024 19:48
Operator : CG\JU
Sample : 05909-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
GHL-SD-50

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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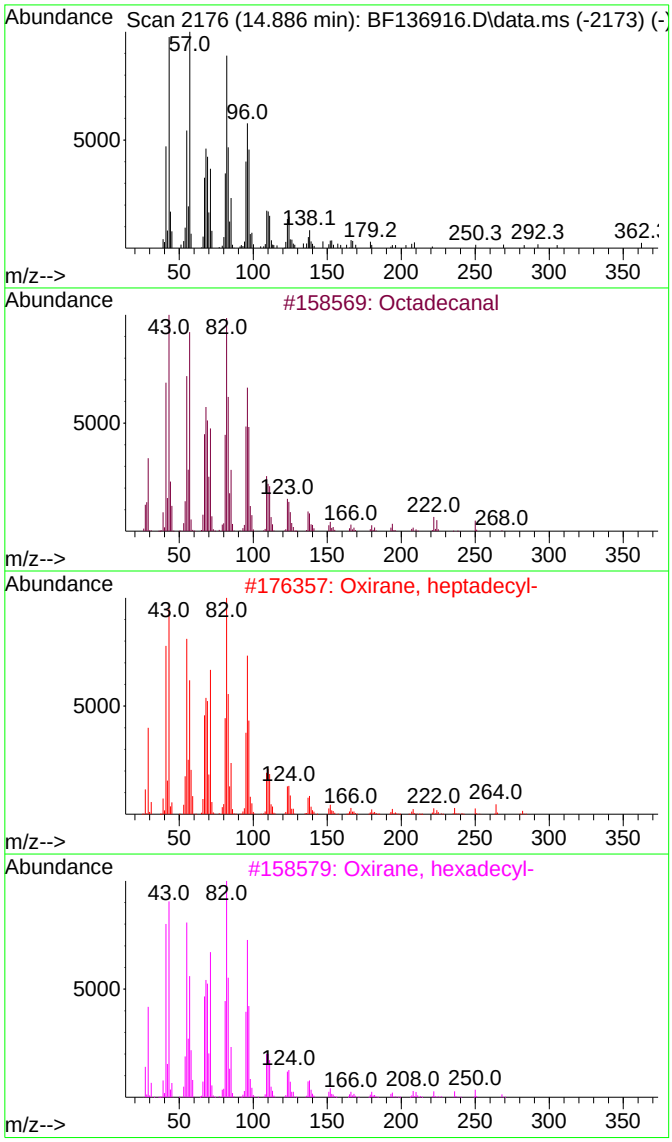
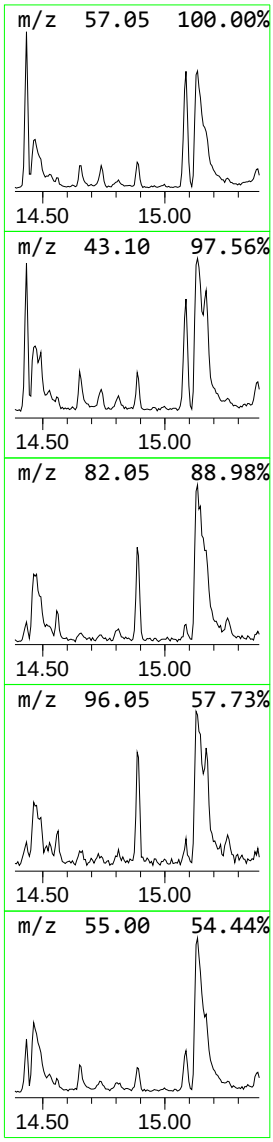
Peak Number 8 Octadecanal Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.886 | 5.70 ng | 129447 | Perylene-d12 | 15.445 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanal | 268 | C18H36O | 000638-66-4 | 91 |
| 2 | Oxirane, heptadecyl- | 282 | C19H38O | 067860-04-2 | 91 |
| 3 | Oxirane, hexadecyl- | 268 | C18H36O | 007390-81-0 | 91 |
| 4 | Hexadecanal | 240 | C16H32O | 000629-80-1 | 90 |
| 5 | 17-Octadecenal | 266 | C18H34O | 056554-86-0 | 87 |



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Acq On : 03 Jan 2024 19:48
Operator : CG\JU
Sample : 05909-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
GHL-SD-50

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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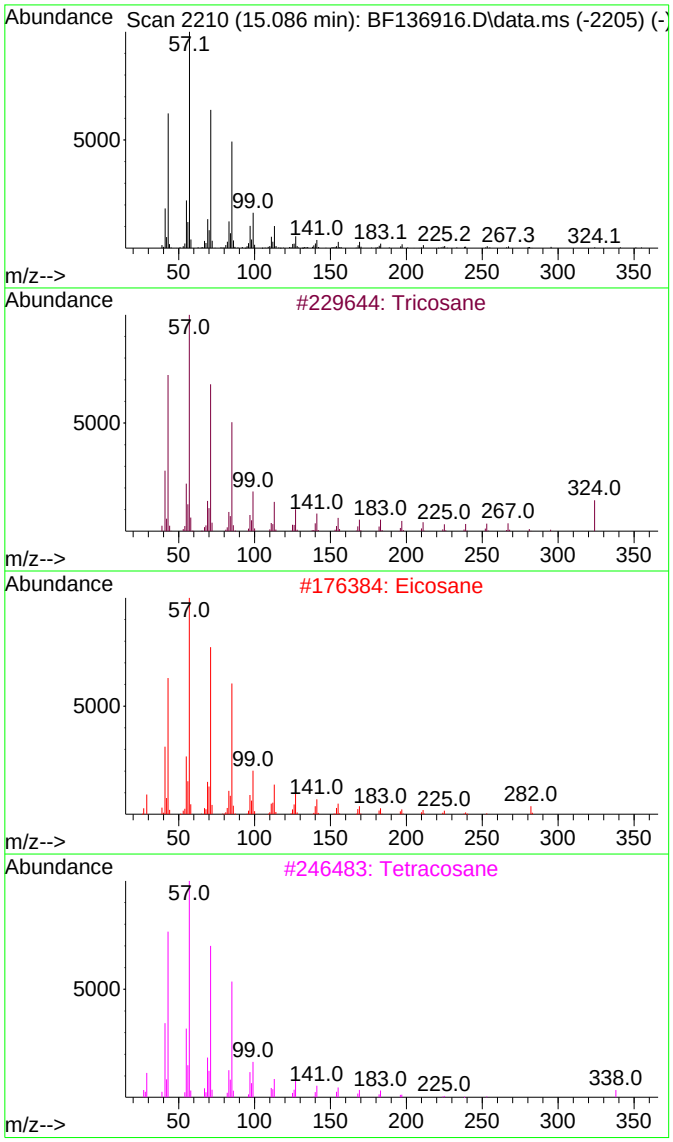
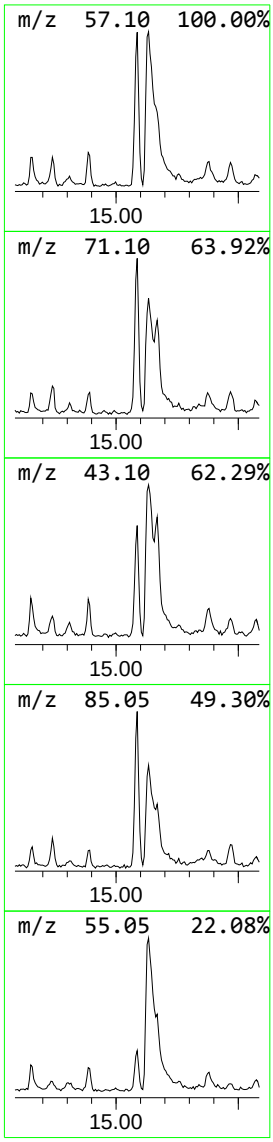
Peak Number 9 Tricosane Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.086 | 13.72 ng | 311596 | Perylene-d12 | 15.445 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tricosane | 324 | C23H48 | 000638-67-5 | 96 |
| 2 | Eicosane | 282 | C20H42 | 000112-95-8 | 95 |
| 3 | Tetracosane | 338 | C24H50 | 000646-31-1 | 91 |
| 4 | Triacontane | 422 | C30H62 | 000638-68-6 | 91 |
| 5 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |



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Acq On : 03 Jan 2024 19:48
Operator : CG\JU
Sample : 05909-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
GHL-SD-50

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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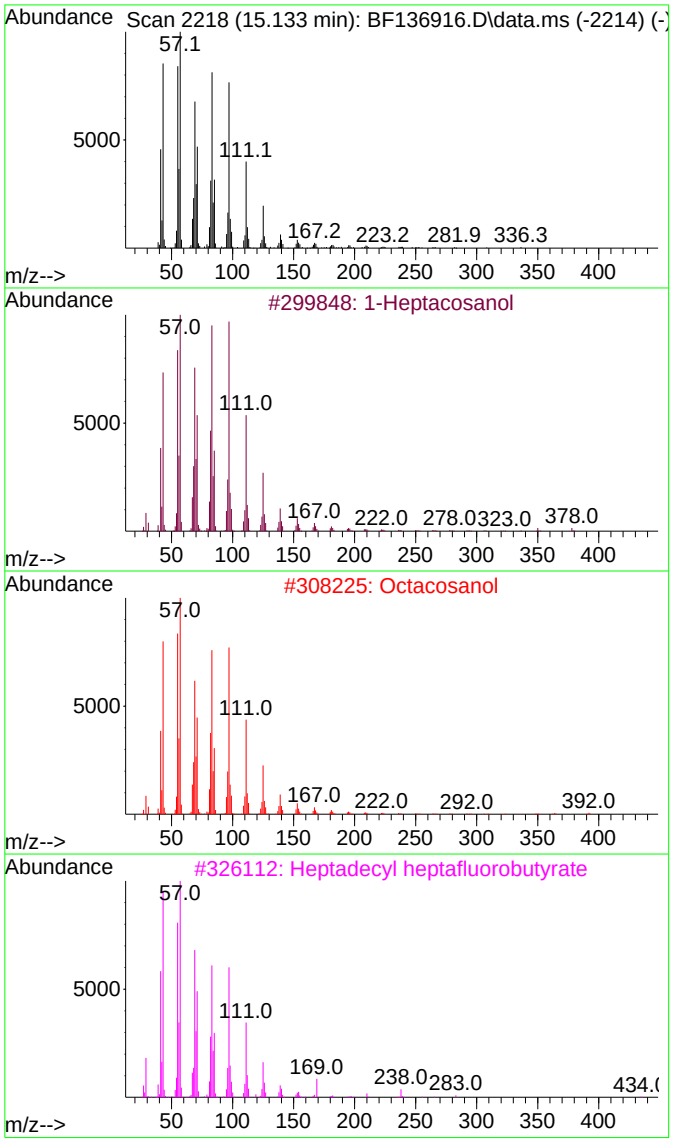
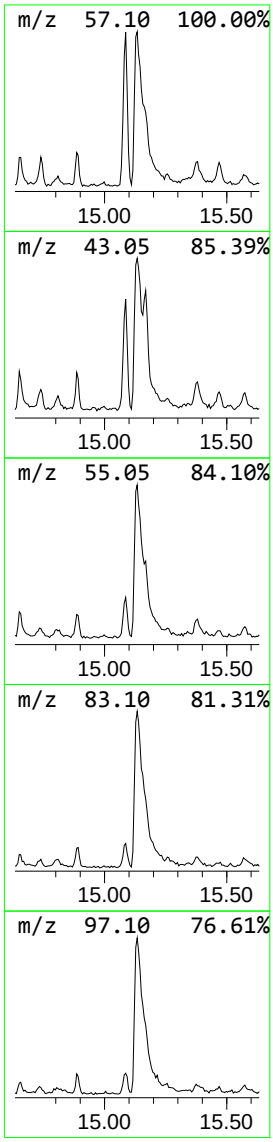
Peak Number 10 1-Heptacosanol Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.133 | 47.62 ng | 1081740 | Perylene-d12 | 15.445 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Heptacosanol | 396 | C27H56O | 002004-39-9 | 94 |
| 2 | Octacosanol | 410 | C28H58O | 000557-61-9 | 94 |
| 3 | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 94 |
| 4 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 93 |
| 5 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 93 |



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Data File : BF136916.D
Acq On : 03 Jan 2024 19:48
Operator : CG\JU
Sample : 05909-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
GHL-SD-50

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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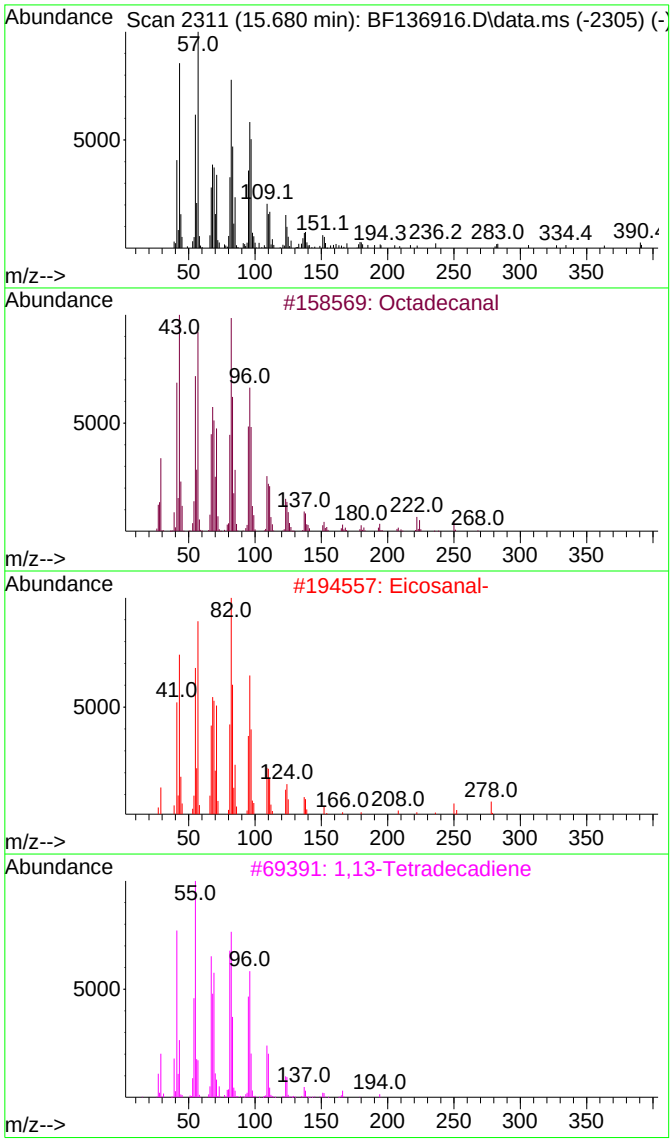
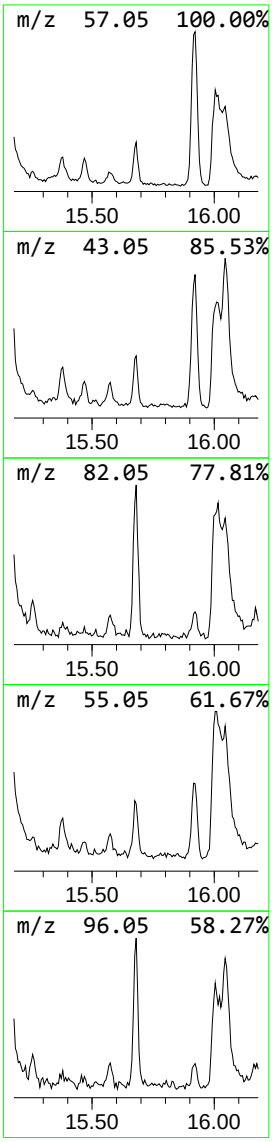
Peak Number 11 Eicosanal- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.680 | 8.22 ng | 186728 | Perylene-d12 | 15.445 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanal | 268 | C18H36O | 000638-66-4 | 90 |
| 2 | Eicosanal- | 296 | C20H40O | 002400-66-0 | 90 |
| 3 | 1,13-Tetradecadiene | 194 | C14H26 | 021964-49-8 | 89 |
| 4 | Oxirane, hexadecyl- | 268 | C18H36O | 007390-81-0 | 87 |
| 5 | Octacosanal | 408 | C28H56O | 022725-64-0 | 87 |



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Acq On : 03 Jan 2024 19:48
Operator : CG\JU
Sample : 05909-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
GHL-SD-50

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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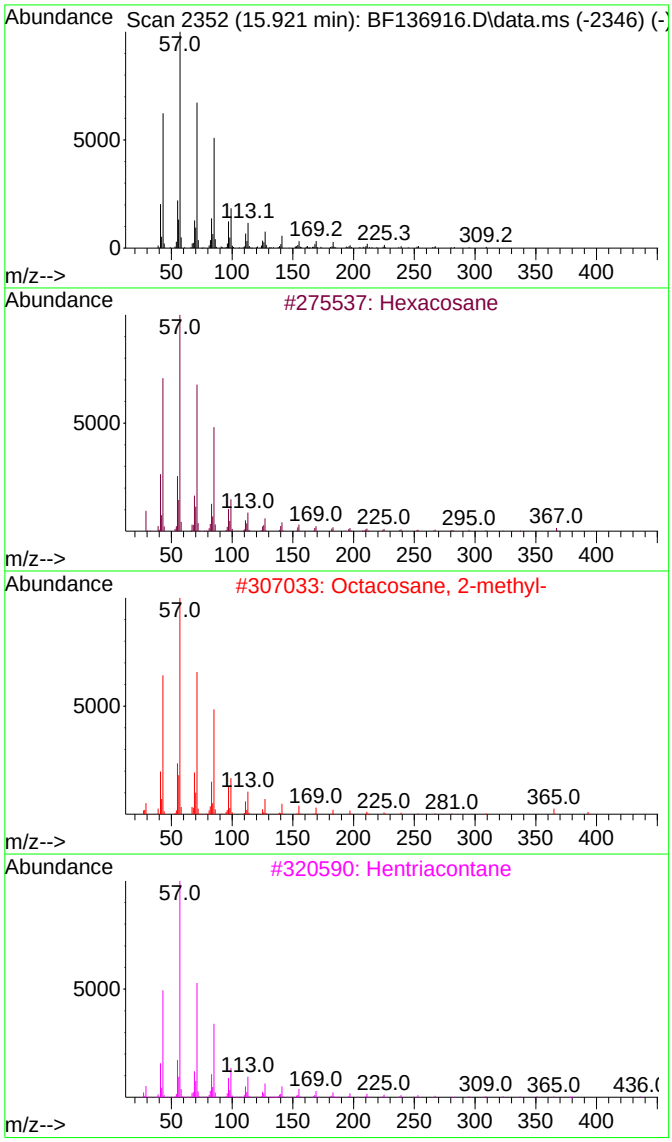
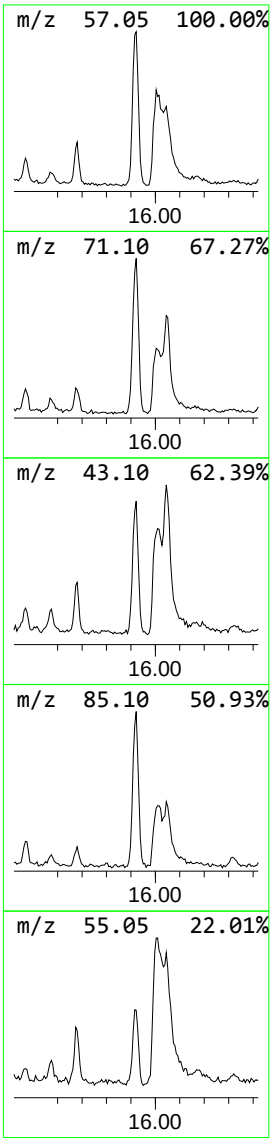
Peak Number 12 Hexacosane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.921 | 18.32 ng | 416077 | Perylene-d12 | 15.445 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 2 | Octacosane, 2-methyl- | 408 | C29H60 | 001560-98-1 | 91 |
| 3 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 91 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 5 | Docosane, 1-iodo- | 436 | C22H45I | 1000406-31-9 | 90 |



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Acq On : 03 Jan 2024 19:48
Operator : CG\JU
Sample : 05909-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
GHL-SD-50

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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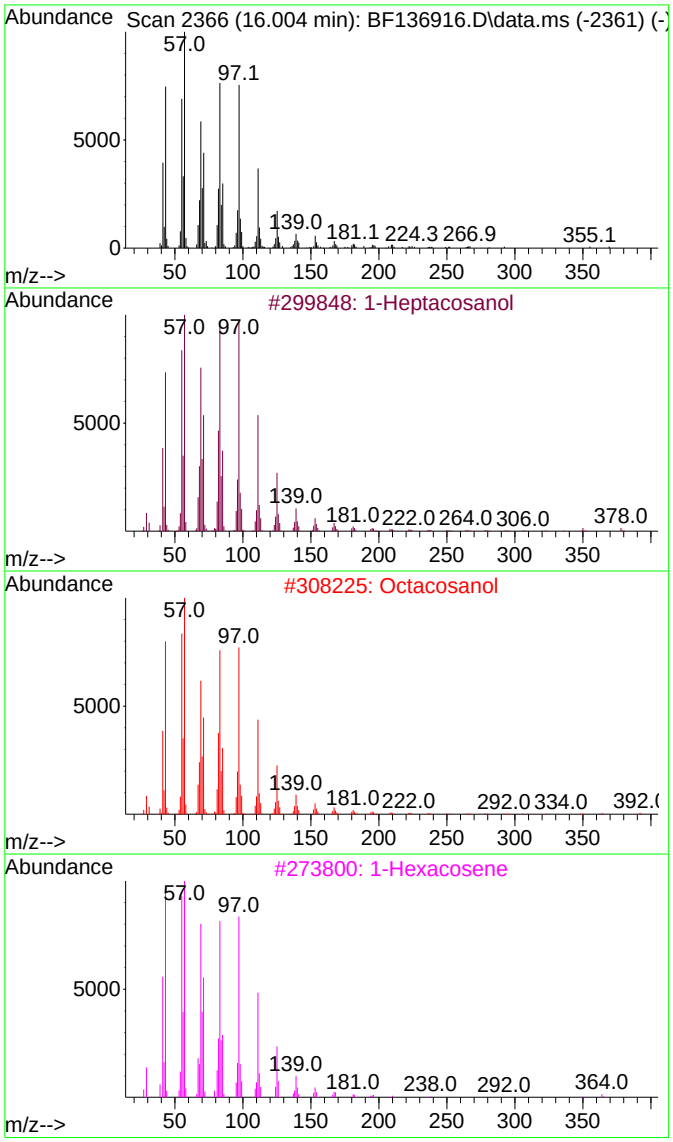
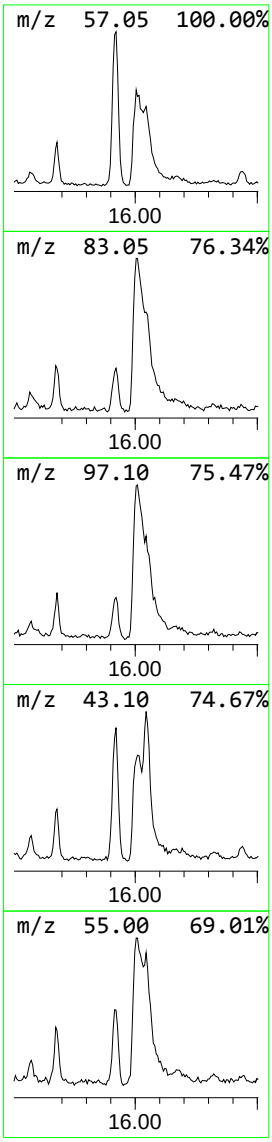
Peak Number 13 Octacosanol Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.004 | 28.70 ng | 652052 | Perylene-d12 | 15.445 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Heptacosanol | 396 | C27H56O | 002004-39-9 | 95 |
| 2 | Octacosanol | 410 | C28H58O | 000557-61-9 | 95 |
| 3 | 1-Hexacosene | 364 | C26H52 | 018835-33-1 | 95 |
| 4 | 1-Hexacosanol | 382 | C26H54O | 000506-52-5 | 94 |
| 5 | Octadecyl trifluoroacetate | 366 | C20H37F3O2 | 079392-43-1 | 94 |



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Acq On : 03 Jan 2024 19:48
Operator : CG\JU
Sample : 05909-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
GHL-SD-50

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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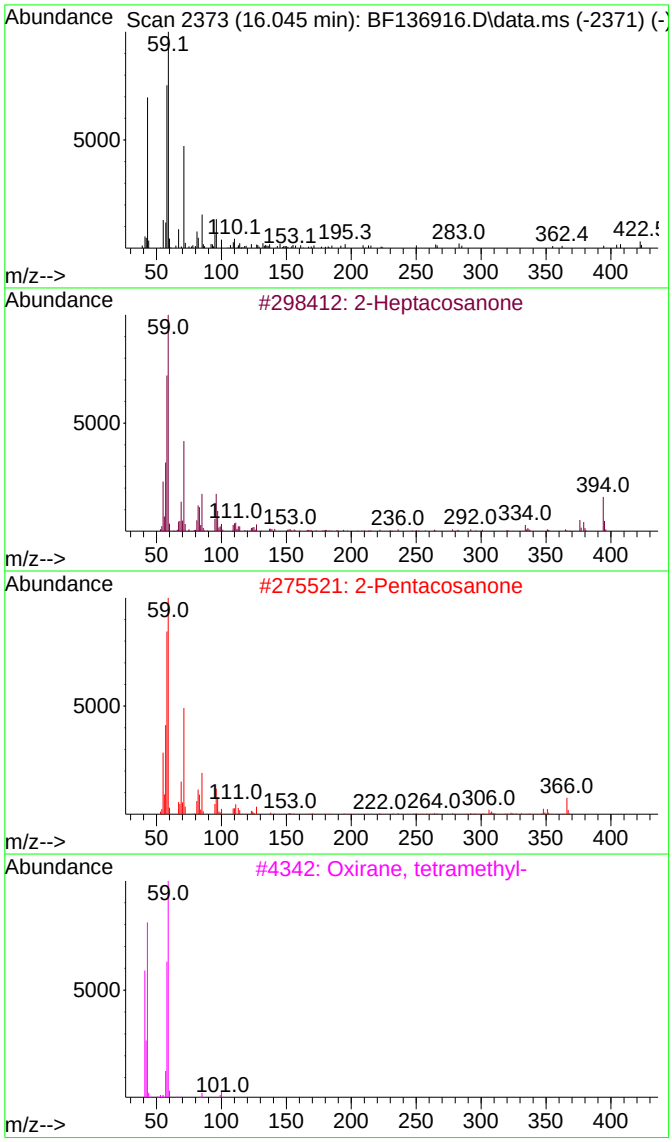
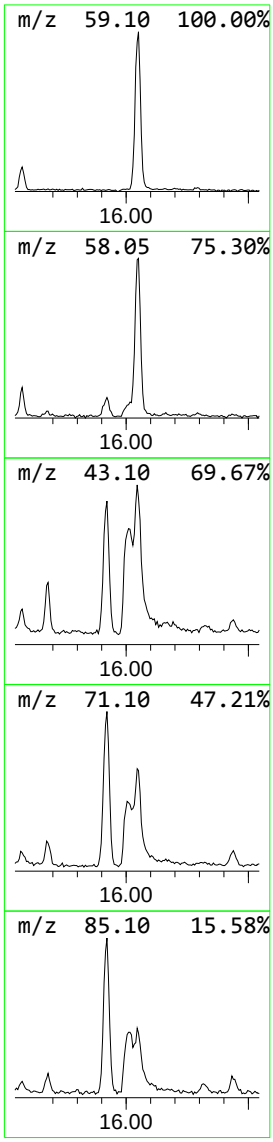
Peak Number 14 2-Heptacosanone Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.045 | 27.08 ng | 615144 | Perylene-d12 | 15.445 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Heptacosanone | 394 | C27H54O | 007796-19-2 | 91 |
| 2 | 2-Pentacosanone | 366 | C25H50O | 075207-54-4 | 83 |
| 3 | Oxirane, tetramethyl- | 100 | C6H12O | 005076-20-0 | 53 |
| 4 | 2-Tridecanone | 198 | C13H26O | 000593-08-8 | 50 |
| 5 | 2-Heptadecanone | 254 | C17H34O | 002922-51-2 | 47 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010324\
Data File : BF136916.D
Acq On : 03 Jan 2024 19:48
Operator : CG\JU
Sample : 05909-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
GHL-SD-50

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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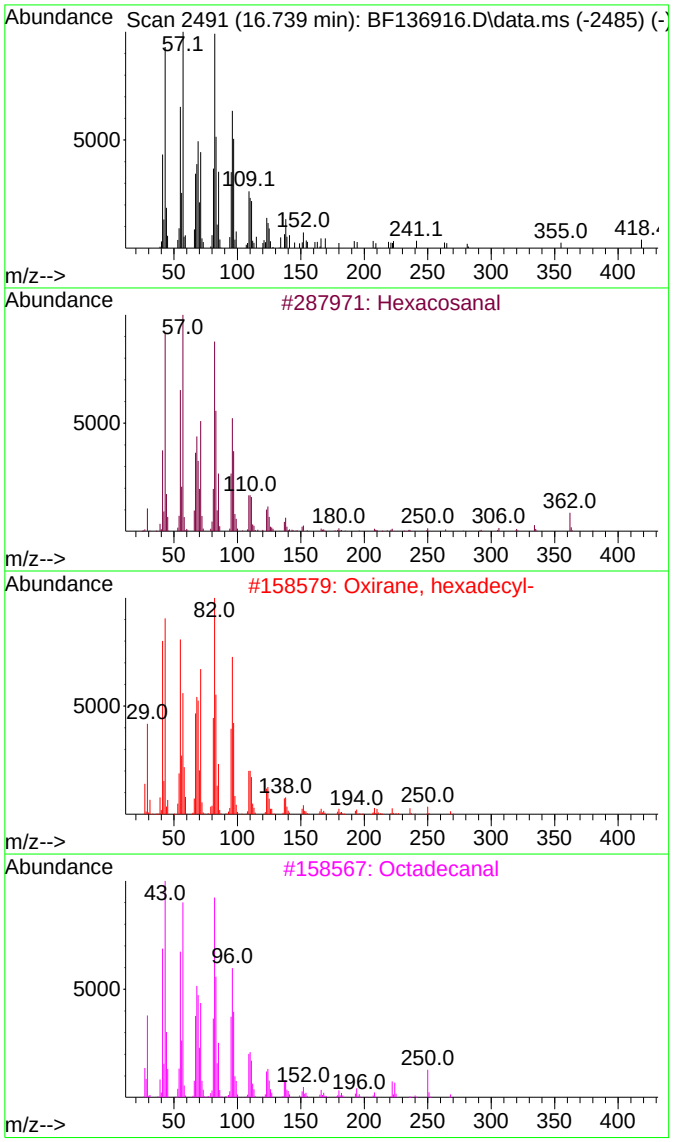
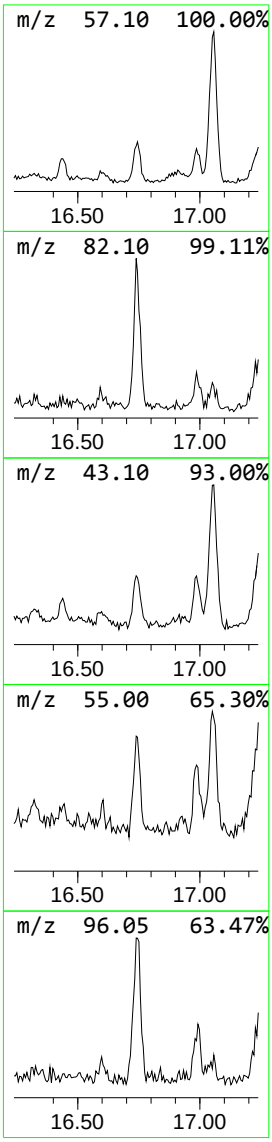
Peak Number 15 Hexacosanal Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.739 | 7.10 ng | 161173 | Perylene-d12 | 15.445 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexacosanal | 380 | C26H52O | 026627-85-0 | 91 |
| 2 | Oxirane, hexadecyl- | 268 | C18H36O | 007390-81-0 | 91 |
| 3 | Octadecanal | 268 | C18H36O | 000638-66-4 | 90 |
| 4 | Oxirane, heptadecyl- | 282 | C19H38O | 067860-04-2 | 87 |
| 5 | 1-Methoxy-9-octadecene | 282 | C19H38O | 1000430-37-3 | 86 |



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Acq On : 03 Jan 2024 19:48
Operator : CG\JU
Sample : 05909-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
GHL-SD-50

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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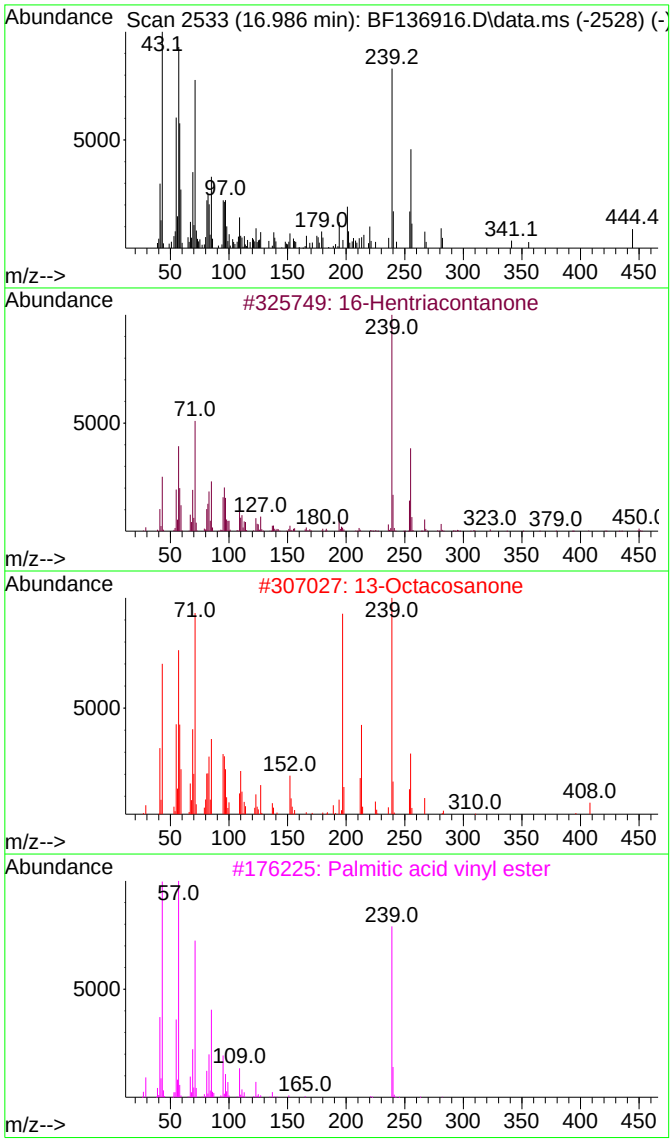
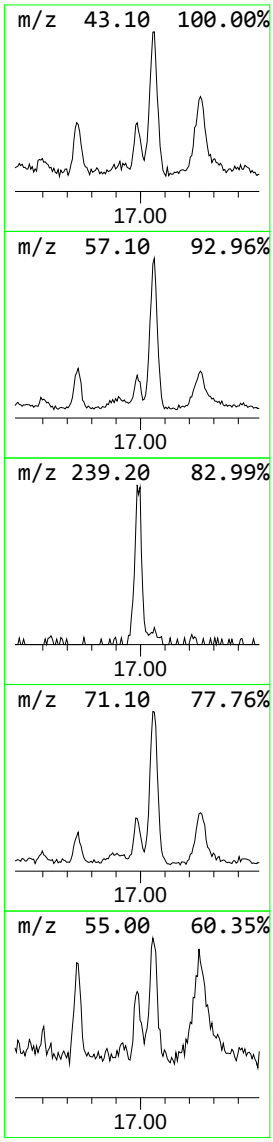
Peak Number 16 16-Hentriacontanone Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.986 | 5.88 ng | 133463 | Perylene-d12 | 15.445 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 16-Hentriacontanone | 450 | C31H62O | 000502-73-8 | 80 |
| 2 | 13-Octacosanone | 408 | C28H56O | 031534-88-0 | 59 |
| 3 | Palmitic acid vinyl ester | 282 | C18H34O2 | 000693-38-9 | 53 |
| 4 | Heptamethyl-3-phenyl-1,4-cyclohe... | 254 | C19H26 | 122531-52-6 | 27 |
| 5 | 4-[1-Methyl-1-(4-methylphenyl)et... | 254 | C17H18O2 | 006278-37-1 | 22 |



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Acq On : 03 Jan 2024 19:48
Operator : CG\JU
Sample : 05909-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
GHL-SD-50

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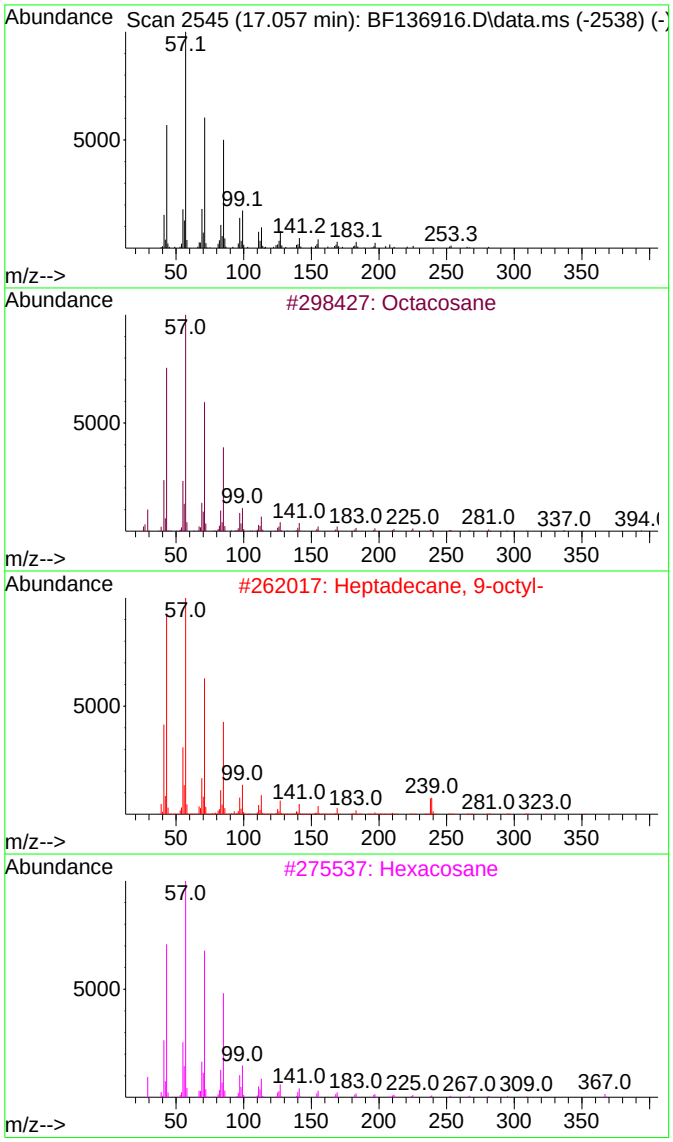
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

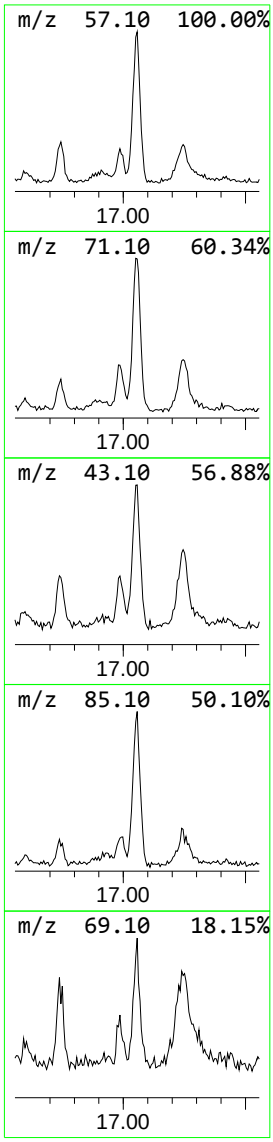
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 Heptadecane, 9-octyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.057 | 14.10 ng | 320386 | Perylene-d12 | 15.445 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 2 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |
| 3 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 4 | Eicosane, 7-hexyl- | 366 | C26H54 | 055333-99-8 | 91 |
| 5 | Docosane | 310 | C22H46 | 000629-97-0 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010324\
Data File : BF136916.D
Acq On : 03 Jan 2024 19:48
Operator : CG\JU
Sample : 05909-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
GHL-SD-50

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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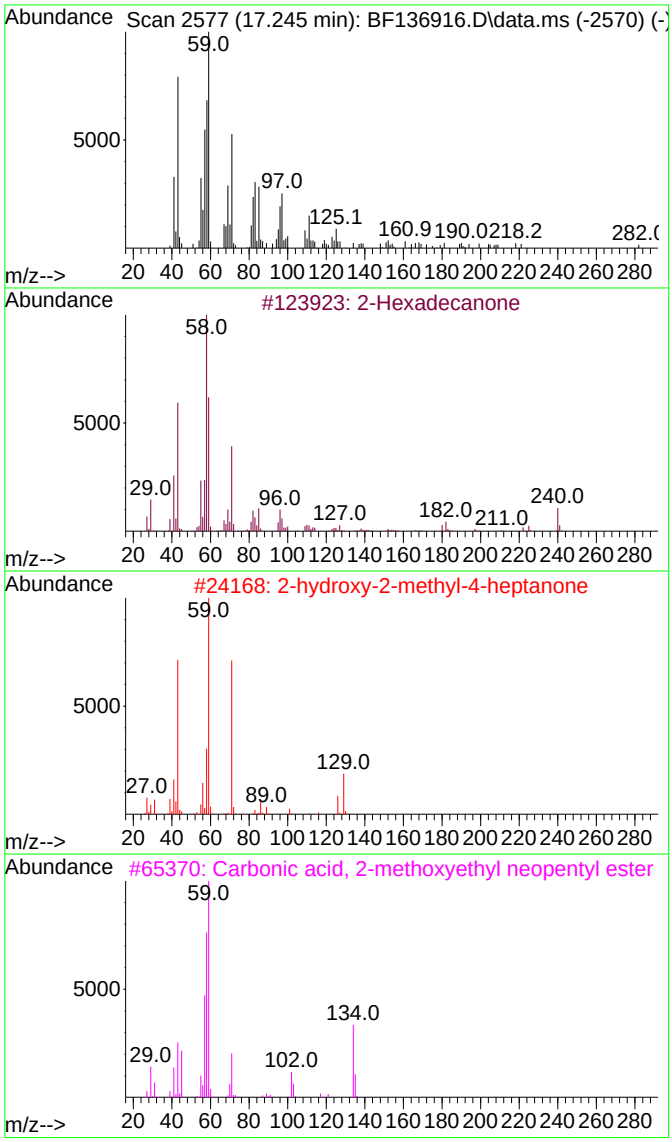
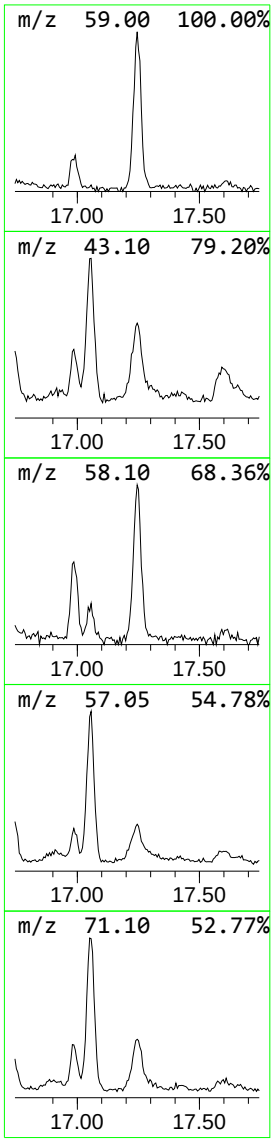
Peak Number 18 unknown17.245 Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.245 | 14.37 ng | 326511 | Perylene-d12 | 15.445 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Hexadecanone | 240 | C16H32O | 018787-63-8 | 43 |
| 2 | 2-hydroxy-2-methyl-4-heptanone | 144 | C8H16O2 | 054862-91-8 | 38 |
| 3 | Carbonic acid, 2-methoxyethyl ne... | 190 | C9H18O4 | 1000331-42-7 | 38 |
| 4 | Sulfurous acid, octadecyl 2-prop... | 376 | C21H44O3S | 1000309-12-7 | 30 |
| 5 | Ether, methyl 1-octadecenyl | 282 | C19H38O | 026537-06-4 | 18 |



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Data File : BF136916.D
Acq On : 03 Jan 2024 19:48
Operator : CG\JU
Sample : 05909-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
GHL-SD-50

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

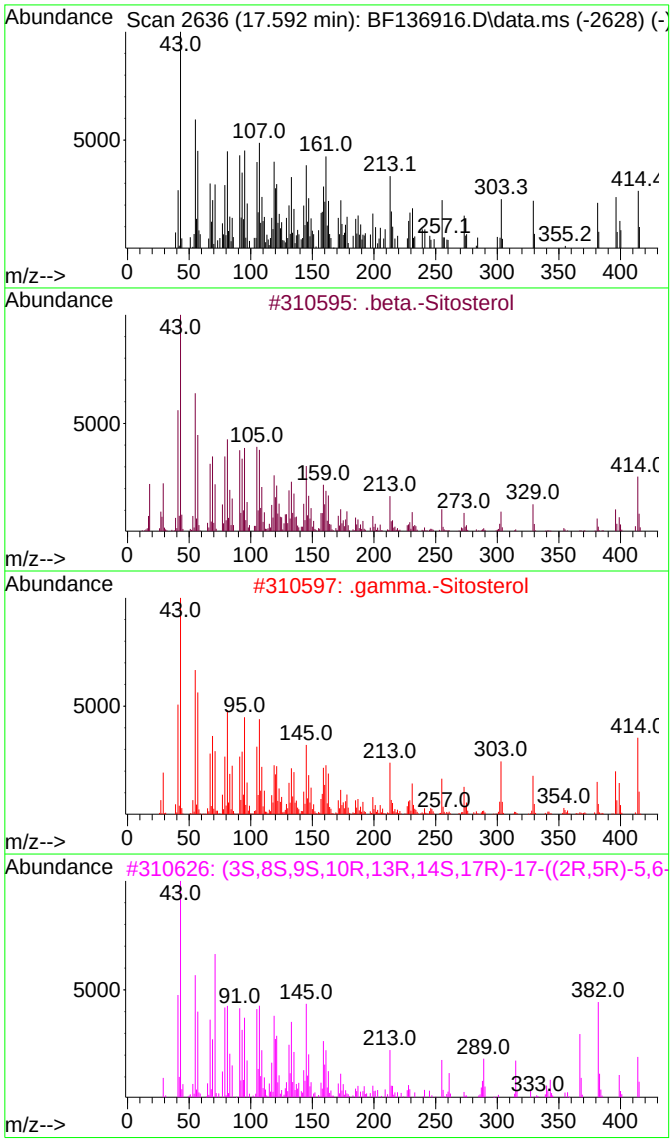
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

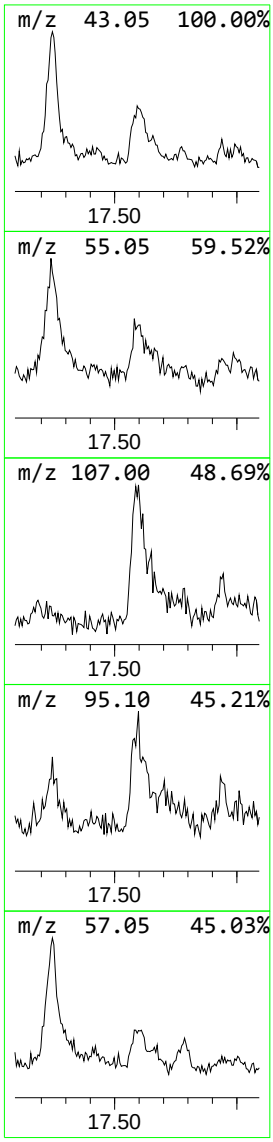
**********

Peak Number 19 .beta.-Sitosterol Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.592 | 17.09 ng | 388155 | Perylene-d12 | 15.445 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .beta.-Sitosterol | 414 | C29H50O | 000083-46-5 | 96 |
| 2 | .gamma.-Sitosterol | 414 | C29H50O | 000083-47-6 | 50 |
| 3 | (3S,8S,9S,10R,13R,14S,17R)-17-((... | 414 | C29H50O | 029365-29-5 | 49 |
| 4 | Isocholesteryl methyl ether | 400 | C28H48O | 029944-53-4 | 43 |
| 5 | Cholest-5-ene, 3-methoxy-, (3.be... | 400 | C28H48O | 001174-92-1 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010324\
Data File : BF136916.D
Acq On : 03 Jan 2024 19:48
Operator : CG\JU
Sample : 05909-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
GHL-SD-50

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

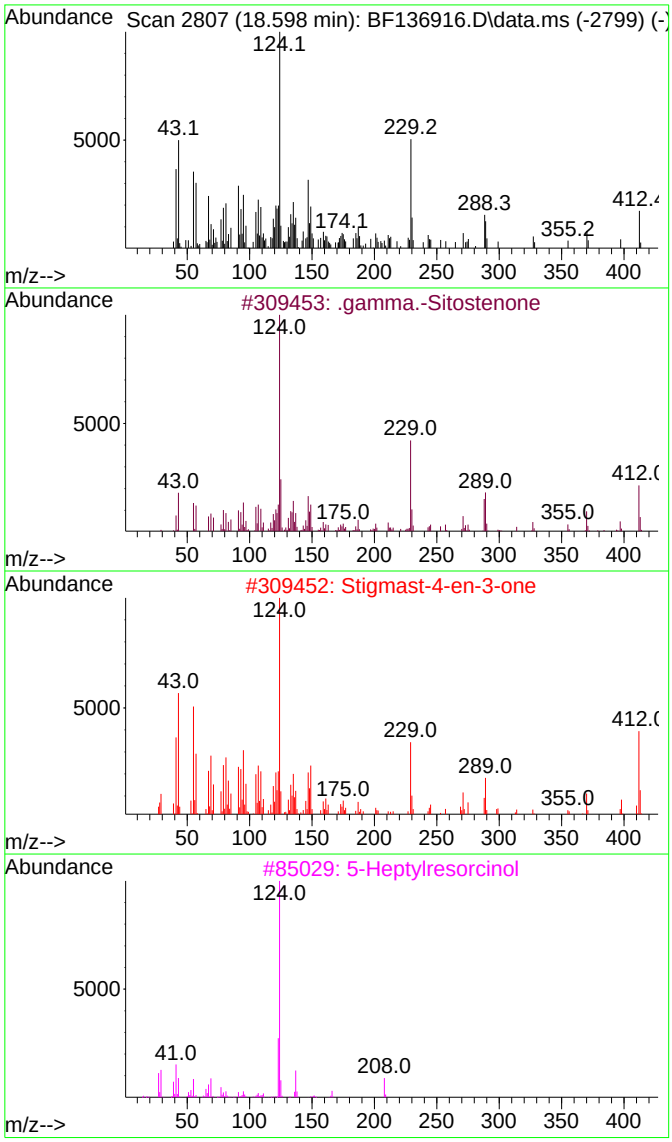
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

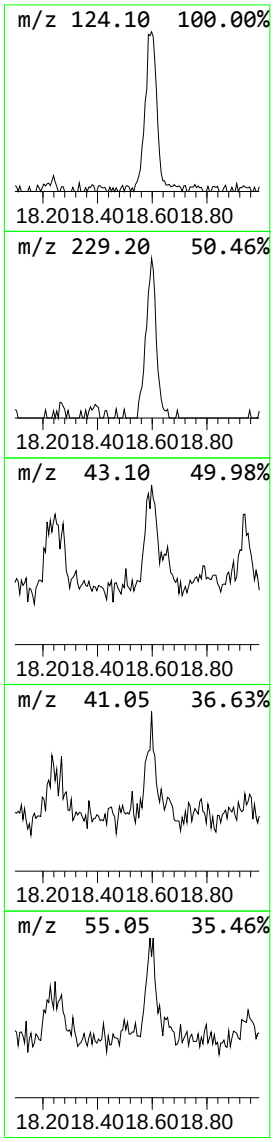
**********

Peak Number 20 .gamma.-Sitostenone Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.598 | 9.06 ng | 205724 | Perylene-d12 | 15.445 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .gamma.-Sitostenone | 412 | C29H48O | 084924-96-9 | 90 |
| 2 | Stigmast-4-en-3-one | 412 | C29H48O | 001058-61-3 | 87 |
| 3 | 5-Heptylresorcinol | 208 | C13H20O2 | 000500-67-4 | 30 |
| 4 | Thiazole, 2-amino-4-(1H-indol-3-... | 229 | C12H11N3S | 1000304-18-3 | 25 |
| 5 | 3-Methylcatechol, diacetate | 208 | C11H12O4 | 1000352-78-9 | 22 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010324\
Data File : BF136916.D
Acq On : 03 Jan 2024 19:48
Operator : CG\JU
Sample : 05909-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
GHL-SD-50

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.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 ... | 11.845 | 16.3 | ng | 465205 | 4 | 11.304 | 569673 | 20.0 |
| Octacosane | 13.804 | 15.9 | ng | 301569 | 5 | 13.963 | 380399 | 20.0 |
| Docosanoic acid | 14.027 | 13.2 | ng | 251395 | 5 | 13.963 | 380399 | 20.0 |
| Heptacosane | 14.433 | 16.3 | ng | 309300 | 5 | 13.963 | 380399 | 20.0 |
| 1-Hexacosene | 14.463 | 31.3 | ng | 594579 | 5 | 13.963 | 380399 | 20.0 |
| 2-Heptanol, 6-m... | 14.527 | 5.8 | ng | 109985 | 5 | 13.963 | 380399 | 20.0 |
| Tetracosanoic acid | 14.651 | 9.8 | ng | 186580 | 5 | 13.963 | 380399 | 20.0 |
| Octadecanal | 14.886 | 5.7 | ng | 129447 | 6 | 15.445 | 454326 | 20.0 |
| Tricosane | 15.086 | 13.7 | ng | 311596 | 6 | 15.445 | 454326 | 20.0 |
| 1-Heptacosanol | 15.133 | 47.6 | ng | 1081740 | 6 | 15.445 | 454326 | 20.0 |
| Eicosanal- | 15.680 | 8.2 | ng | 186728 | 6 | 15.445 | 454326 | 20.0 |
| Hexacosane | 15.921 | 18.3 | ng | 416077 | 6 | 15.445 | 454326 | 20.0 |
| Octacosanol | 16.004 | 28.7 | ng | 652052 | 6 | 15.445 | 454326 | 20.0 |
| 2-Heptacosanone | 16.045 | 27.1 | ng | 615144 | 6 | 15.445 | 454326 | 20.0 |
| Hexacosanal | 16.739 | 7.1 | ng | 161173 | 6 | 15.445 | 454326 | 20.0 |
| 16-Hentriaconta... | 16.986 | 5.9 | ng | 133463 | 6 | 15.445 | 454326 | 20.0 |
| Heptadecane, 9-... | 17.057 | 14.1 | ng | 320386 | 6 | 15.445 | 454326 | 20.0 |
| unknown17.245 | 17.245 | 14.4 | ng | 326511 | 6 | 15.445 | 454326 | 20.0 |
| .beta.-Sitosterol | 17.592 | 17.1 | ng | 388155 | 6 | 15.445 | 454326 | 20.0 |
| .gamma.-Sitoste... | 18.598 | 9.1 | ng | 205724 | 6 | 15.445 | 454326 | 20.0 |