LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM010623\
Data File : BM038396.D
Acq On : 06 Jan 2023 21:13
Operator : CG/JU
Sample : 01035-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** A4435

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM010423.M
Title : SVOA CALIBRATION

Signal : TIC: BM038396.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.363 | 26 | 30 | 34 | rBV | 27797 | 34711 | 1.54% | 0.141% |
| 2 | 3.675 | 80 | 83 | 86 | rBV4 | 3551 | 3126 | 0.14% | 0.013% |
| 3 | 3.793 | 100 | 103 | 126 | rBV | 324249 | 525016 | 23.23% | 2.125% |
| 4 | 4.128 | 155 | 160 | 164 | rVB3 | 8316 | 10328 | 0.46% | 0.042% |
| 5 | 4.228 | 175 | 177 | 181 | rVB5 | 2644 | 3698 | 0.16% | 0.015% |
| 6 | 5.063 | 315 | 319 | 322 | rBV3 | 4549 | 5725 | 0.25% | 0.023% |
| 7 | 6.210 | 511 | 514 | 518 | rVB4 | 1511 | 2331 | 0.10% | 0.009% |
| 8 | 7.157 | 668 | 675 | 694 | rBV | 447570 | 704855 | 31.18% | 2.853% |
| 9 | 7.328 | 697 | 704 | 712 | rBV | 329808 | 516630 | 22.85% | 2.091% |
| 10 | 7.522 | 731 | 737 | 747 | rBV | 419806 | 659573 | 29.18% | 2.670% |
| 11 | 7.998 | 811 | 818 | 825 | rBV | 341557 | 536362 | 23.73% | 2.171% |
| 12 | 8.051 | 825 | 827 | 832 | rVB5 | 2541 | 3442 | 0.15% | 0.014% |
| 13 | 8.710 | 932 | 939 | 954 | rBV | 515946 | 823278 | 36.42% | 3.333% |
| 14 | 9.169 | 1009 | 1017 | 1028 | rBV | 435131 | 695810 | 30.78% | 2.817% |
| 15 | 9.545 | 1075 | 1081 | 1087 | rVV4 | 3166 | 4989 | 0.22% | 0.020% |
| 16 | 9.892 | 1133 | 1140 | 1150 | rBV | 386924 | 605291 | 26.78% | 2.450% |
| 17 | 10.428 | 1224 | 1231 | 1243 | rBV | 524725 | 855372 | 37.84% | 3.463% |
| 18 | 10.810 | 1289 | 1296 | 1303 | rBV | 432563 | 701862 | 31.05% | 2.841% |
| 19 | 10.869 | 1303 | 1306 | 1308 | rVB4 | 1847 | 2334 | 0.10% | 0.009% |
| 20 | 10.951 | 1313 | 1320 | 1336 | rBV | 487170 | 831731 | 36.79% | 3.367% |
| 21 | 12.392 | 1561 | 1565 | 1572 | rBV3 | 5815 | 9938 | 0.44% | 0.040% |
| 22 | 12.628 | 1599 | 1605 | 1610 | rBV6 | 1062 | 2915 | 0.13% | 0.012% |
| 23 | 13.439 | 1739 | 1743 | 1746 | rBV2 | 3548 | 4303 | 0.19% | 0.017% |
| 24 | 13.522 | 1750 | 1757 | 1760 | rVB3 | 4190 | 6083 | 0.27% | 0.025% |
| 25 | 13.610 | 1769 | 1772 | 1776 | rVB5 | 2309 | 3500 | 0.15% | 0.014% |
| 26 | 14.039 | 1838 | 1845 | 1857 | rVB | 954307 | 1259227 | 55.71% | 5.098% |
| 27 | 14.327 | 1887 | 1894 | 1905 | rBV | 982897 | 1398154 | 61.85% | 5.660% |
| 28 | 14.504 | 1919 | 1924 | 1929 | rVB5 | 4224 | 7443 | 0.33% | 0.030% |
| 29 | 14.627 | 1939 | 1945 | 1955 | rBV | 612700 | 868024 | 38.40% | 3.514% |
| 30 | 14.833 | 1974 | 1980 | 1995 | rBV | 334418 | 554208 | 24.52% | 2.244% |
| 31 | 15.033 | 2011 | 2014 | 2015 | rBV2 | 3062 | 2661 | 0.12% | 0.011% |
| 32 | 15.051 | 2015 | 2017 | 2020 | rVB3 | 3340 | 3201 | 0.14% | 0.013% |
| 33 | 15.180 | 2034 | 2039 | 2043 | rVB5 | 1519 | 2584 | 0.11% | 0.010% |
| 34 | 15.392 | 2072 | 2075 | 2080 | rVV5 | 3030 | 5186 | 0.23% | 0.021% |
| 35 | 15.451 | 2080 | 2085 | 2092 | rVB9 | 4316 | 8437 | 0.37% | 0.034% |
| 36 | 15.616 | 2107 | 2113 | 2126 | rBV | 1254062 | 1732541 | 76.64% | 7.014% |

LSC Area Percent Report

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Sample : 01035-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
A4435

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM010423.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 15.739 | 2129 | 2134 | 2146 | rVV | 428415 | 590169 | 26.11% | 2.389% |
| 38 | 15.857 | 2150 | 2154 | 2158 | rVB5 | 5663 | 7848 | 0.35% | 0.032% |
| 39 | 15.980 | 2168 | 2175 | 2182 | rBV | 58096 | 80359 | 3.55% | 0.325% |
| 40 | 16.321 | 2228 | 2233 | 2235 | rBV4 | 2469 | 3141 | 0.14% | 0.013% |
| 41 | 16.486 | 2257 | 2261 | 2265 | rVB4 | 2195 | 2963 | 0.13% | 0.012% |
| 42 | 16.768 | 2304 | 2309 | 2312 | rBV7 | 3329 | 4837 | 0.21% | 0.020% |
| 43 | 16.815 | 2313 | 2317 | 2320 | rVB4 | 1705 | 2915 | 0.13% | 0.012% |
| 44 | 16.886 | 2326 | 2329 | 2332 | rVB5 | 2789 | 3658 | 0.16% | 0.015% |
| 45 | 17.057 | 2355 | 2358 | 2362 | rVB5 | 4179 | 4775 | 0.21% | 0.019% |
| 46 | 17.104 | 2362 | 2366 | 2369 | rBV4 | 2617 | 3569 | 0.16% | 0.014% |
| 47 | 17.368 | 2405 | 2411 | 2421 | rBV | 736180 | 1002382 | 44.34% | 4.058% |
| 48 | 17.468 | 2422 | 2428 | 2436 | rVV | 1373958 | 1832677 | 81.07% | 7.419% |
| 49 | 17.557 | 2438 | 2443 | 2450 | rVB6 | 17485 | 38356 | 1.70% | 0.155% |
| 50 | 17.880 | 2495 | 2498 | 2503 | rVB6 | 2894 | 4209 | 0.19% | 0.017% |
| 51 | 18.015 | 2518 | 2521 | 2524 | rBV4 | 2594 | 3685 | 0.16% | 0.015% |
| 52 | 18.121 | 2537 | 2539 | 2543 | rBV5 | 5296 | 6313 | 0.28% | 0.026% |
| 53 | 18.245 | 2555 | 2560 | 2572 | rBV | 181828 | 281185 | 12.44% | 1.138% |
| 54 | 18.445 | 2593 | 2594 | 2597 | rBV2 | 2325 | 2317 | 0.10% | 0.009% |
| 55 | 18.539 | 2606 | 2610 | 2613 | rBV6 | 3275 | 4849 | 0.21% | 0.020% |
| 56 | 18.674 | 2628 | 2633 | 2635 | rBV5 | 4040 | 5510 | 0.24% | 0.022% |
| 57 | 18.821 | 2651 | 2658 | 2660 | rBV5 | 5691 | 9249 | 0.41% | 0.037% |
| 58 | 19.321 | 2739 | 2743 | 2747 | rBV4 | 15236 | 18583 | 0.82% | 0.075% |
| 59 | 19.386 | 2750 | 2754 | 2764 | rVV4 | 23877 | 60296 | 2.67% | 0.244% |
| 60 | 19.521 | 2773 | 2777 | 2783 | rBV2 | 48565 | 72383 | 3.20% | 0.293% |
| 61 | 19.756 | 2811 | 2817 | 2825 | rBV | 1755231 | 2226919 | 98.51% | 9.015% |
| 62 | 20.727 | 2978 | 2982 | 2985 | rBV2 | 108428 | 117244 | 5.19% | 0.475% |
| 63 | 20.762 | 2986 | 2988 | 2992 | rVB2 | 27253 | 30953 | 1.37% | 0.125% |
| 64 | 21.227 | 3063 | 3067 | 3077 | rBV | 230787 | 338084 | 14.96% | 1.369% |
| 65 | 21.539 | 3115 | 3120 | 3126 | rBV | 860210 | 1106875 | 48.97% | 4.481% |
| 66 | 23.809 | 3500 | 3506 | 3516 | rBV2 | 1173964 | 2260509 | 100.00% | 9.151% |
| 67 | 23.968 | 3527 | 3533 | 3542 | rVB2 | 603450 | 1179891 | 52.20% | 4.777% |

Sum of corrected areas: 24701572

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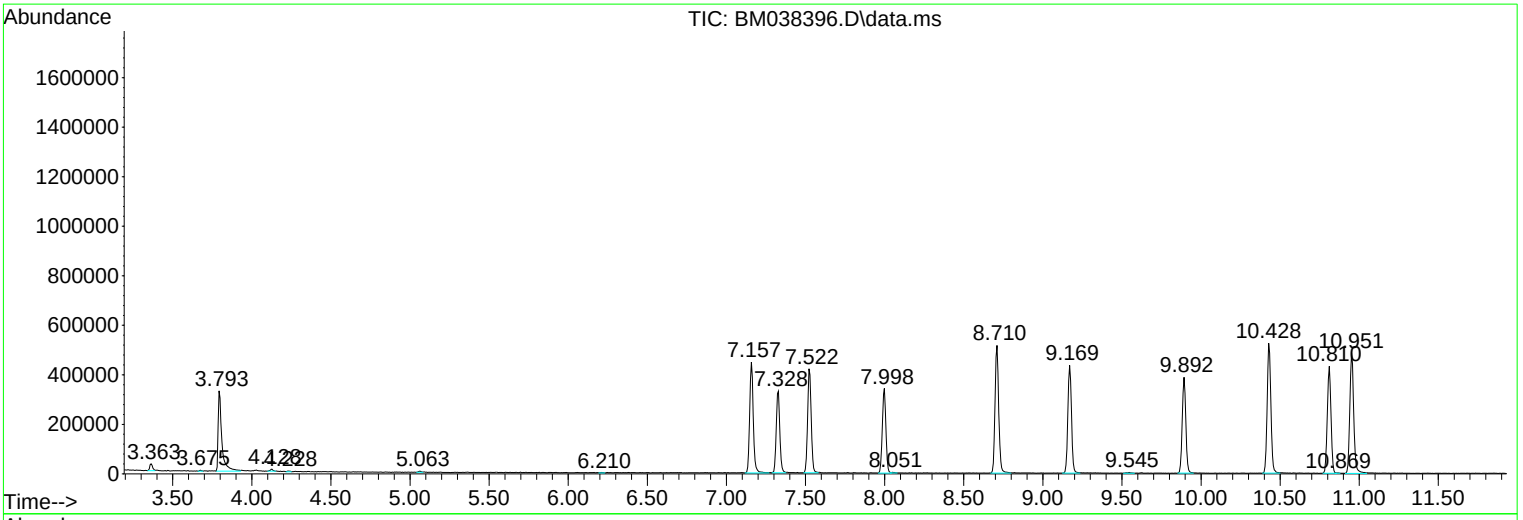
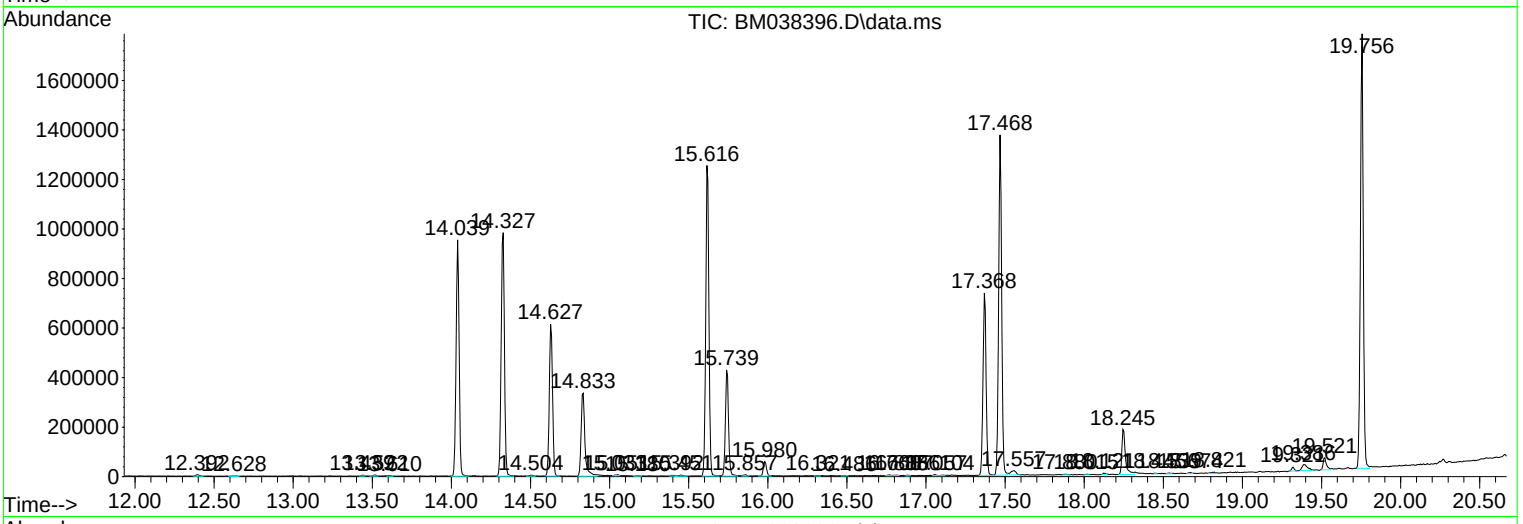
Sample : 01035-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

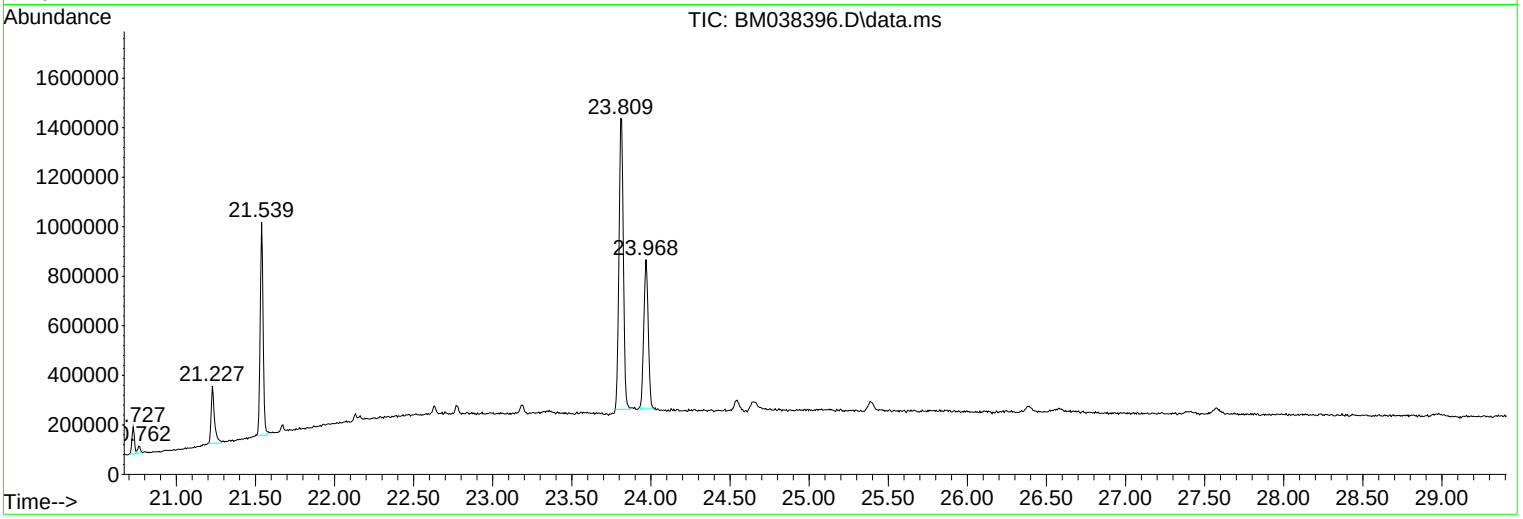
**Instrument :**
BNA_M
**ClientSampleId :**
A4435

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM010423.M
Quant Title : SVOA CALIBRATION

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



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Operator : CG/JU
Sample : 01035-06
Misc :
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**Instrument :**
BNA_M
**ClientSampleId :**
A4435

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM010423.M
Quant Title : SVOA CALIBRATION

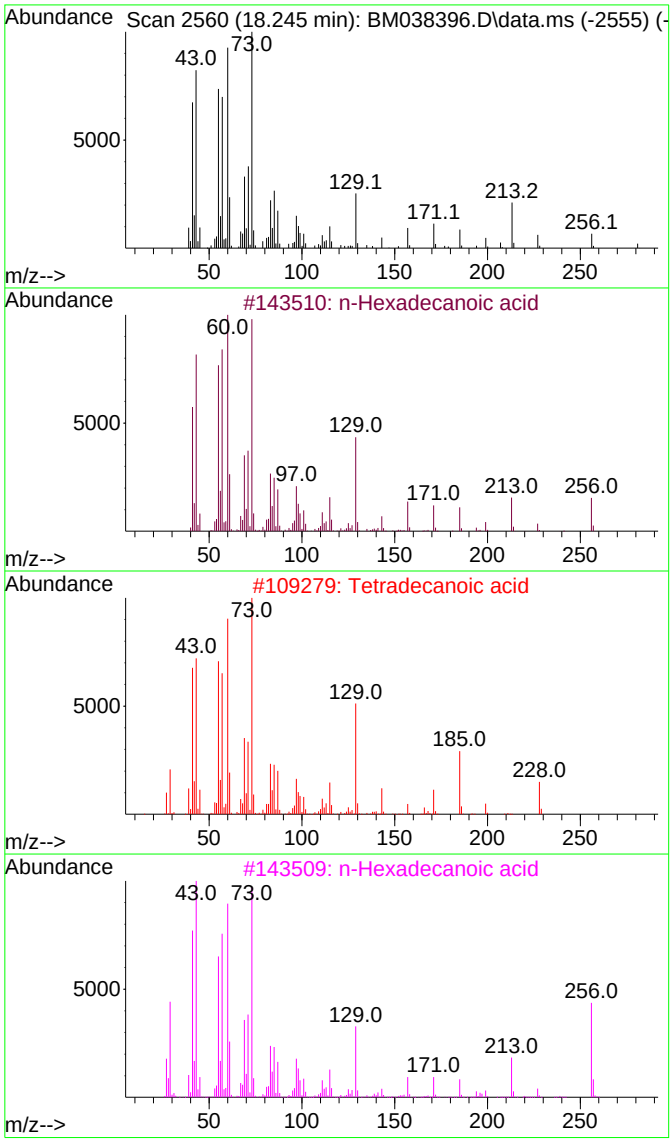
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

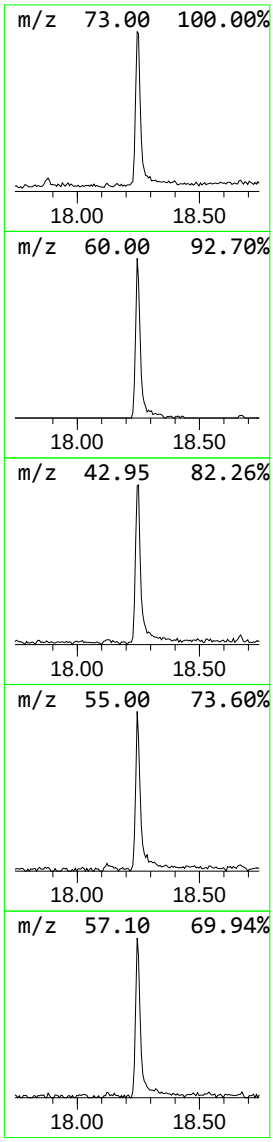
**********

Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.245 | 5.61 ng/ul | 281185 | Phenanthrene-d10 | 17.368 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 95 |
| 3 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 95 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 94 |
| 5 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 93 |



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Data File : BM038396.D
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Operator : CG/JU
Sample : 01035-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
A4435

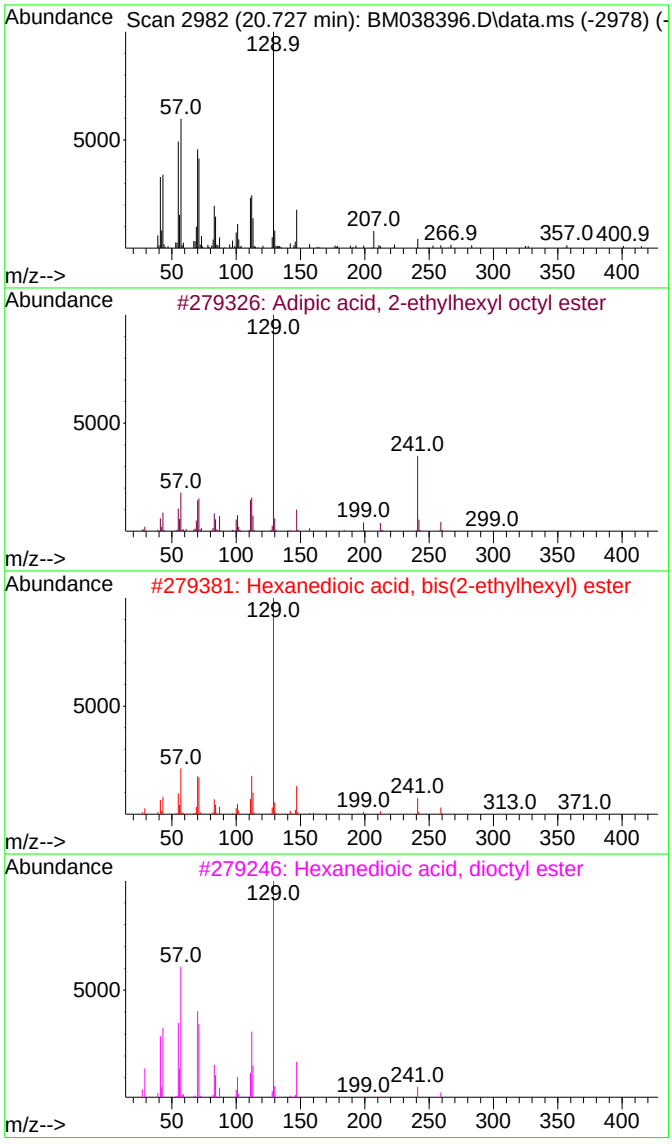
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM010423.M
Quant Title : SVOA CALIBRATION

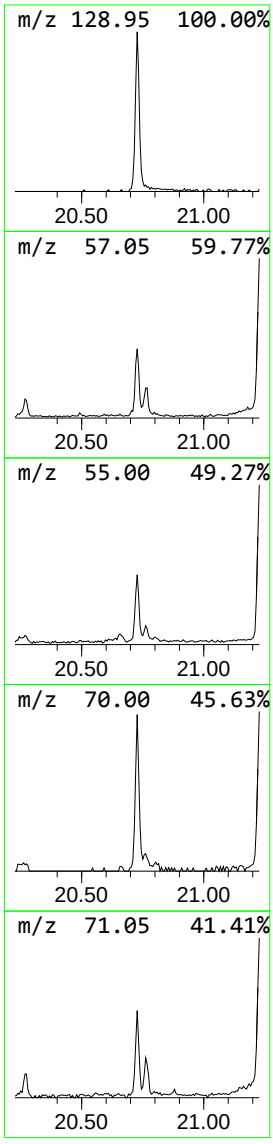
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Adipic acid, 2-ethylhexyl o... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.727 | 2.12 ng/ul | 117244 | Chrysene-d12 | 21.539 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Adipic acid, 2-ethylhexyl octyl ... | 370 | C22H42O4 | 1000324-48-6 | 90 |
| 2 | Hexanedioic acid, bis(2-ethylhex... | 370 | C22H42O4 | 000103-23-1 | 90 |
| 3 | Hexanedioic acid, dioctyl ester | 370 | C22H42O4 | 000123-79-5 | 87 |
| 4 | Hexanedioic acid, bis(2-ethylhex... | 370 | C22H42O4 | 000103-23-1 | 87 |
| 5 | Hexanedioic acid, bis(2-ethylhex... | 370 | C22H42O4 | 000103-23-1 | 83 |



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ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_M
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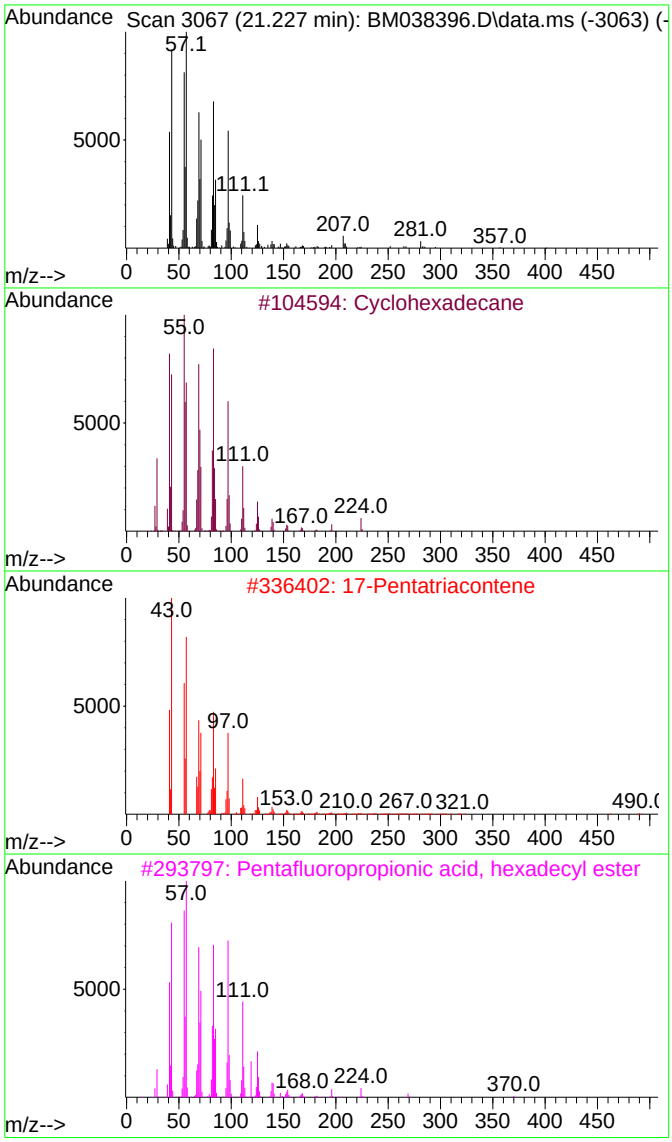
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM010423.M
Quant Title : SVOA CALIBRATION

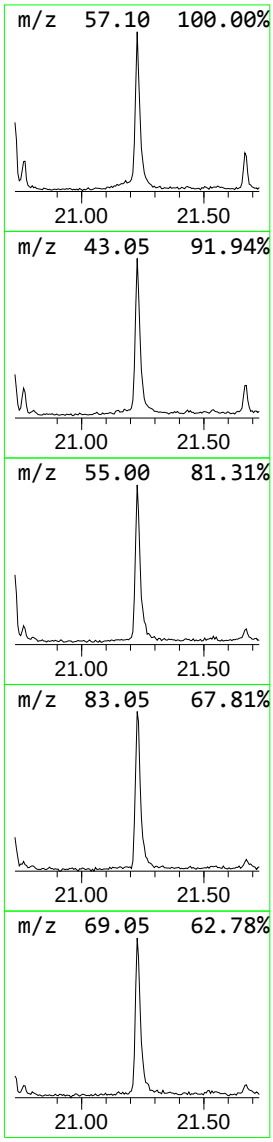
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 (DEL) Alkane: Cyclic21.227 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.227 | 6.11 ng/ul | 338084 | Chrysene-d12 | 21.539 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexadecane | 224 | C16H32 | 000295-65-8 | 98 |
| 2 | 17-Pentatriacontene | 491 | C35H70 | 006971-40-0 | 91 |
| 3 | Pentafluoropropionic acid, hexad... | 388 | C19H33F5O2 | 006222-07-7 | 91 |
| 4 | Pentafluoropropionic acid, penta... | 374 | C18H31F5O2 | 959092-08-1 | 91 |
| 5 | Oxirane, [(dodecyloxy)methyl]- | 242 | C15H30O2 | 002461-18-9 | 91 |



Tentatively Identified Compound (LSC) summary

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Quant Title : SVOA 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 ... | 18.245 | 5.6 | ng/ul | 281185 | 4 | 17.368 | 1002380 | 20.0 |
| Adipic acid, 2-... | 20.727 | 2.1 | ng/ul | 117244 | 5 | 21.539 | 1106880 | 20.0 |
| (DEL) Alkane: C... | 21.227 | 6.1 | ng/ul | 338084 | 5 | 21.539 | 1106880 | 20.0 |