LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102121\
Data File : BP007595.D
Acq On : 22 Oct 2021 18:05
Operator : CG/JU
Sample : M4281-16
Misc :
ALS Vial : 55 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** BFY75

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_P\METHODS\SFAM-EPA-BP101421.M
Title : SVOA CALIBRATION

Signal : TIC: BP007595.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.375 | 11 | 15 | 22 | rVB | 40272 | 51405 | 1.01% | 0.110% |
| 2 | 3.652 | 60 | 62 | 68 | rBV | 11872 | 15457 | 0.30% | 0.033% |
| 3 | 3.793 | 83 | 86 | 102 | rBV | 180428 | 299833 | 5.89% | 0.641% |
| 4 | 4.034 | 122 | 127 | 133 | rVB | 25080 | 36563 | 0.72% | 0.078% |
| 5 | 4.128 | 139 | 143 | 148 | rVB | 13142 | 19332 | 0.38% | 0.041% |
| 6 | 4.222 | 155 | 159 | 165 | rVB8 | 10918 | 17847 | 0.35% | 0.038% |
| 7 | 4.581 | 218 | 220 | 225 | rVB2 | 6052 | 7097 | 0.14% | 0.015% |
| 8 | 5.052 | 297 | 300 | 304 | rVB5 | 7018 | 9013 | 0.18% | 0.019% |
| 9 | 5.646 | 396 | 401 | 405 | rVB8 | 3573 | 7393 | 0.15% | 0.016% |
| 10 | 6.028 | 461 | 466 | 470 | rBV3 | 6153 | 8413 | 0.17% | 0.018% |
| 11 | 6.328 | 513 | 517 | 522 | rVB5 | 10045 | 14119 | 0.28% | 0.030% |
| 12 | 7.105 | 643 | 649 | 662 | rVB | 183283 | 318854 | 6.27% | 0.681% |
| 13 | 7.275 | 669 | 678 | 690 | rBV | 529950 | 855682 | 16.82% | 1.829% |
| 14 | 7.393 | 695 | 698 | 703 | rBV6 | 2392 | 5200 | 0.10% | 0.011% |
| 15 | 7.475 | 703 | 712 | 720 | rBV | 614149 | 950957 | 18.69% | 2.032% |
| 16 | 7.552 | 722 | 725 | 729 | rBV4 | 4252 | 6697 | 0.13% | 0.014% |
| 17 | 7.946 | 785 | 792 | 799 | rBV | 705247 | 1096762 | 21.56% | 2.344% |
| 18 | 8.016 | 801 | 804 | 812 | rVB5 | 8470 | 13280 | 0.26% | 0.028% |
| 19 | 8.193 | 826 | 834 | 840 | rBV5 | 6097 | 13645 | 0.27% | 0.029% |
| 20 | 8.652 | 904 | 912 | 922 | rBV | 514539 | 819437 | 16.11% | 1.751% |
| 21 | 9.104 | 981 | 989 | 1000 | rBV | 641942 | 1087387 | 21.37% | 2.324% |
| 22 | 9.240 | 1005 | 1012 | 1023 | rVV | 86459 | 151928 | 2.99% | 0.325% |
| 23 | 9.446 | 1042 | 1047 | 1051 | rVB8 | 3916 | 5262 | 0.10% | 0.011% |
| 24 | 9.569 | 1062 | 1068 | 1078 | rVB4 | 14647 | 29653 | 0.58% | 0.063% |
| 25 | 9.828 | 1103 | 1112 | 1121 | rBV | 524742 | 873103 | 17.16% | 1.866% |
| 26 | 10.046 | 1146 | 1149 | 1155 | rBV8 | 2608 | 5222 | 0.10% | 0.011% |
| 27 | 10.369 | 1196 | 1204 | 1215 | rBV | 894957 | 1476629 | 29.02% | 3.155% |
| 28 | 10.534 | 1226 | 1232 | 1241 | rBV | 205526 | 330380 | 6.49% | 0.706% |
| 29 | 10.751 | 1259 | 1269 | 1281 | rVB | 932576 | 1578531 | 31.03% | 3.373% |
| 30 | 10.881 | 1283 | 1291 | 1299 | rBV | 742766 | 1254078 | 24.65% | 2.680% |
| 31 | 11.169 | 1334 | 1340 | 1343 | rVB8 | 6981 | 11315 | 0.22% | 0.024% |
| 32 | 11.398 | 1374 | 1379 | 1383 | rVB8 | 3747 | 6340 | 0.12% | 0.014% |
| 33 | 12.063 | 1489 | 1492 | 1498 | rVB4 | 11356 | 18974 | 0.37% | 0.041% |
| 34 | 12.340 | 1531 | 1539 | 1549 | rBV2 | 19705 | 41577 | 0.82% | 0.089% |
| 35 | 12.793 | 1611 | 1616 | 1620 | rBV7 | 4034 | 8475 | 0.17% | 0.018% |
| 36 | 12.957 | 1639 | 1644 | 1647 | rBV7 | 5167 | 7246 | 0.14% | 0.015% |

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Sample : M4281-16
Misc :
ALS Vial : 55 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** BFY75

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_P\METHODS\SFAM-EPA-BP101421.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 13.075 | 1660 | 1664 | 1667 | rBV6 | 3745 | 6198 | 0.12% | 0.013% |
| 38 | 13.204 | 1677 | 1686 | 1691 | rVB10 | 9362 | 16124 | 0.32% | 0.034% |
| 39 | 13.316 | 1700 | 1705 | 1708 | rBV6 | 3708 | 6058 | 0.12% | 0.013% |
| 40 | 13.428 | 1718 | 1724 | 1726 | rBV6 | 5651 | 8468 | 0.17% | 0.018% |
| 41 | 13.492 | 1730 | 1735 | 1741 | rVV10 | 6818 | 13865 | 0.27% | 0.030% |
| 42 | 13.557 | 1741 | 1746 | 1752 | rVB9 | 6478 | 8876 | 0.17% | 0.019% |
| 43 | 13.904 | 1798 | 1805 | 1806 | rBV7 | 2886 | 5280 | 0.10% | 0.011% |
| 44 | 13.992 | 1813 | 1820 | 1829 | rBV | 1623311 | 2258284 | 44.39% | 4.826% |
| 45 | 14.128 | 1841 | 1843 | 1849 | rVB6 | 3955 | 5684 | 0.11% | 0.012% |
| 46 | 14.275 | 1857 | 1868 | 1879 | rBV | 1818022 | 2633498 | 51.76% | 5.628% |
| 47 | 14.428 | 1890 | 1894 | 1896 | rBV5 | 3082 | 5440 | 0.11% | 0.012% |
| 48 | 14.498 | 1902 | 1906 | 1912 | rVB2 | 16278 | 24169 | 0.48% | 0.052% |
| 49 | 14.581 | 1913 | 1920 | 1934 | rVV | 1463185 | 2172480 | 42.70% | 4.642% |
| 50 | 14.769 | 1943 | 1952 | 1957 | rBV | 186759 | 278643 | 5.48% | 0.595% |
| 51 | 14.998 | 1989 | 1991 | 1994 | rVB4 | 5386 | 5608 | 0.11% | 0.012% |
| 52 | 15.134 | 2008 | 2014 | 2027 | rBV2 | 61178 | 183901 | 3.61% | 0.393% |
| 53 | 15.234 | 2027 | 2031 | 2035 | rVB4 | 17689 | 27841 | 0.55% | 0.059% |
| 54 | 15.398 | 2055 | 2059 | 2064 | rVB4 | 12647 | 19679 | 0.39% | 0.042% |
| 55 | 15.575 | 2082 | 2089 | 2100 | rBV | 2366862 | 3446443 | 67.74% | 7.365% |
| 56 | 15.686 | 2102 | 2108 | 2116 | rVV | 131510 | 192753 | 3.79% | 0.412% |
| 57 | 15.816 | 2125 | 2130 | 2136 | rVB2 | 29487 | 43186 | 0.85% | 0.092% |
| 58 | 16.022 | 2162 | 2165 | 2170 | rVB7 | 10908 | 15059 | 0.30% | 0.032% |
| 59 | 16.134 | 2181 | 2184 | 2185 | rBV3 | 7843 | 9347 | 0.18% | 0.020% |
| 60 | 16.263 | 2198 | 2206 | 2211 | rBV3 | 9611 | 27964 | 0.55% | 0.060% |
| 61 | 16.310 | 2212 | 2214 | 2218 | rVB5 | 5683 | 5356 | 0.11% | 0.011% |
| 62 | 16.363 | 2218 | 2223 | 2228 | rBV8 | 10197 | 16395 | 0.32% | 0.035% |
| 63 | 16.733 | 2283 | 2286 | 2291 | rBV7 | 8568 | 13762 | 0.27% | 0.029% |
| 64 | 16.986 | 2325 | 2329 | 2341 | rBV | 24978 | 58934 | 1.16% | 0.126% |
| 65 | 17.151 | 2355 | 2357 | 2361 | rVB5 | 9160 | 9753 | 0.19% | 0.021% |
| 66 | 17.333 | 2381 | 2388 | 2396 | rBV | 1819573 | 2633677 | 51.76% | 5.628% |
| 67 | 17.433 | 2398 | 2405 | 2417 | rVV | 2936840 | 4047871 | 79.56% | 8.650% |
| 68 | 17.575 | 2424 | 2429 | 2435 | rVB2 | 30999 | 52745 | 1.04% | 0.113% |
| 69 | 18.016 | 2500 | 2504 | 2511 | rVB2 | 41370 | 48064 | 0.94% | 0.103% |
| 70 | 18.228 | 2536 | 2540 | 2547 | rBV | 141290 | 191692 | 3.77% | 0.410% |
| 71 | 18.598 | 2601 | 2603 | 2608 | rVB6 | 14400 | 13057 | 0.26% | 0.028% |
| 72 | 18.951 | 2660 | 2663 | 2667 | rBV2 | 29044 | 43671 | 0.86% | 0.093% |
| 73 | 19.245 | 2711 | 2713 | 2717 | rVB | 36103 | 39157 | 0.77% | 0.084% |
| 74 | 19.316 | 2721 | 2725 | 2728 | rBV | 45808 | 61870 | 1.22% | 0.132% |
| 75 | 19.669 | 2779 | 2785 | 2791 | rBV | 3617801 | 4976544 | 97.81% | 10.634% |
| 76 | 21.133 | 3031 | 3034 | 3042 | rBV | 256153 | 352424 | 6.93% | 0.753% |

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Sample : M4281-16
Misc :
ALS Vial : 55 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** BFY75

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_P\METHODS\SFAM-EPA-BP101421.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 21.421 | 3078 | 3083 | 3089 | rBV | 2301929 | 3036916 | 59.69% | 6.490% |
| 78 | 23.710 | 3465 | 3472 | 3482 | rVB2 | 2551420 | 5087919 | 100.00% | 10.872% |
| 79 | 23.868 | 3492 | 3499 | 3511 | rVB2 | 1529537 | 3238679 | 63.65% | 6.921% |

Sum of corrected areas: 46796420

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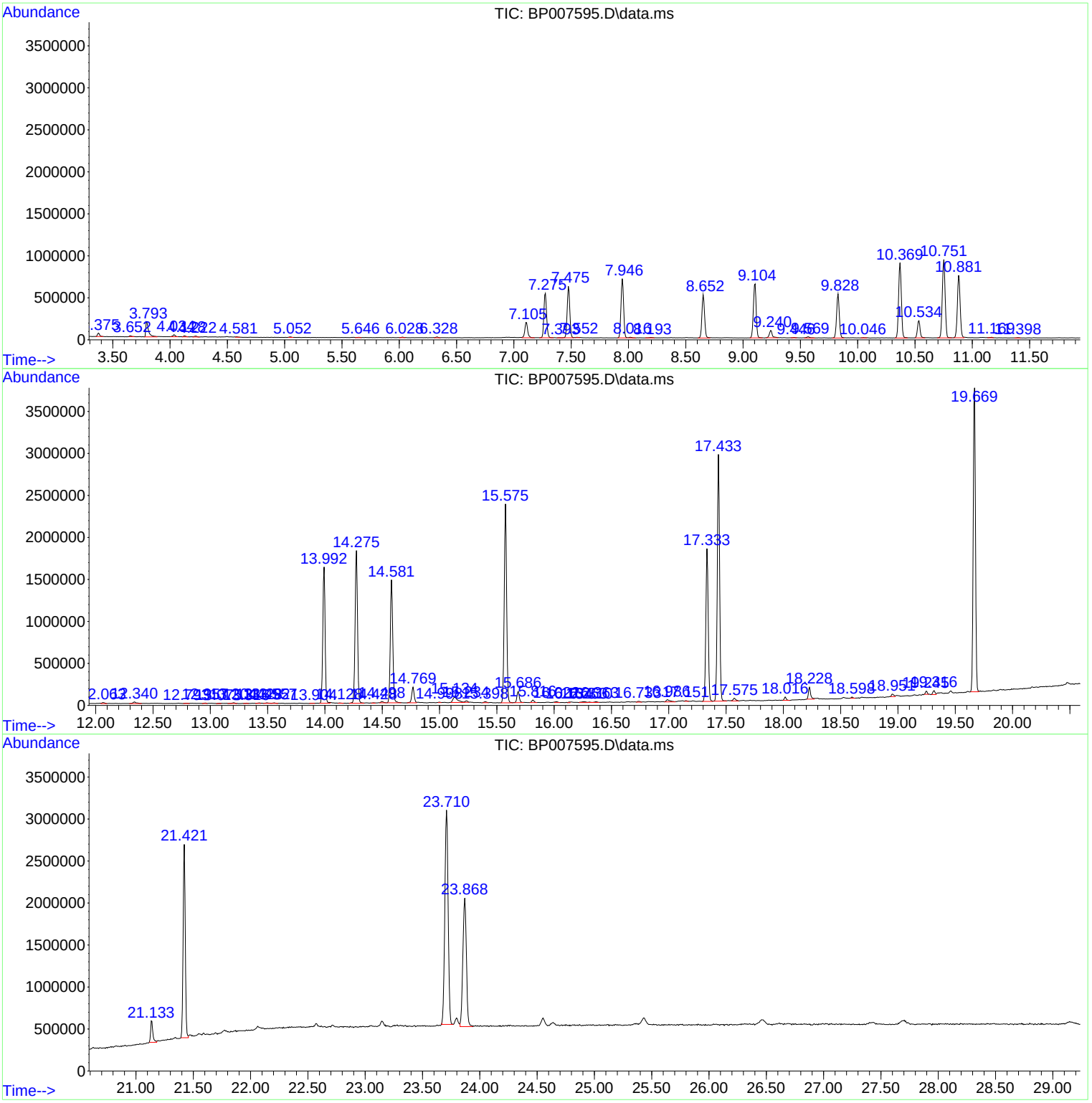
Misc :
ALS Vial : 55 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
BFY75

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP101421.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102121\
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Acq On : 22 Oct 2021 18:05
Operator : CG/JU
Sample : M4281-16
Misc :
ALS Vial : 55 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
BFY75

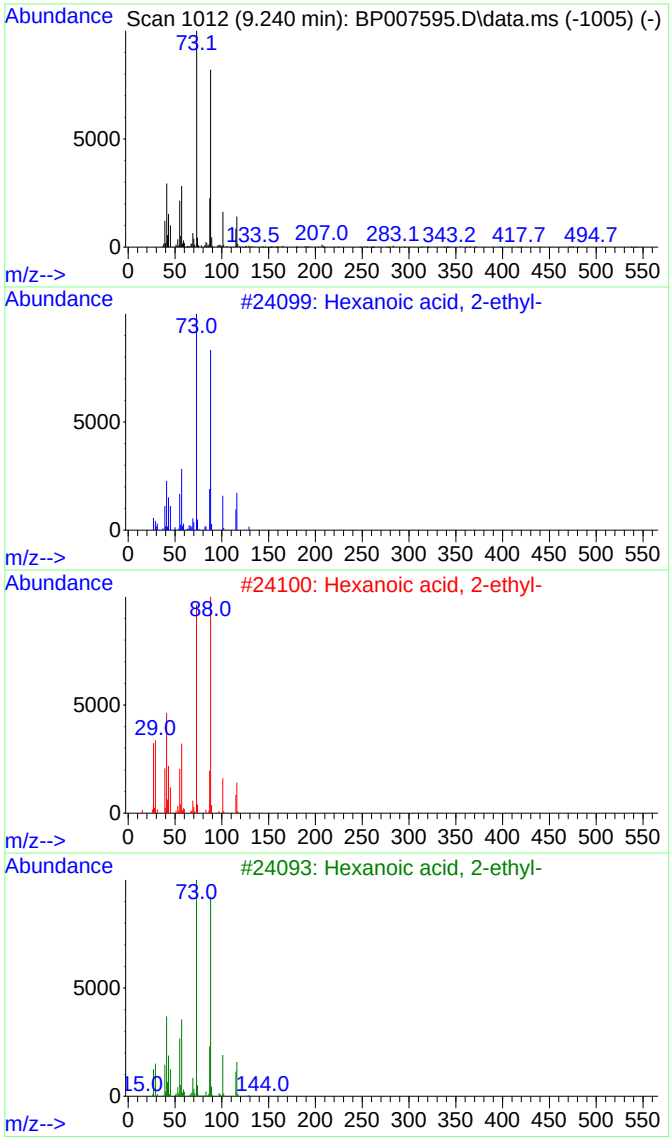
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP101421.M
Quant Title : SVOA CALIBRATION

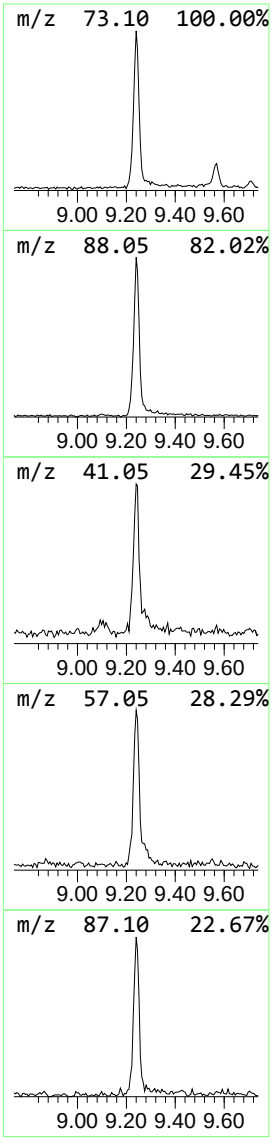
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Hexanoic acid, 2-ethyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.240 | 2.77 ng/ul | 151928 | 1,4-Dichlorobenzene-d4 | 7.946 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexanoic acid, 2-ethyl- | 144 | C8H16O2 | 000149-57-5 | 90 |
| 2 | Hexanoic acid, 2-ethyl- | 144 | C8H16O2 | 000149-57-5 | 90 |
| 3 | Hexanoic acid, 2-ethyl- | 144 | C8H16O2 | 000149-57-5 | 90 |
| 4 | Hexanoic acid, 2-ethyl- | 144 | C8H16O2 | 000149-57-5 | 78 |
| 5 | Hexanoic acid, 2-ethyl- | 144 | C8H16O2 | 000149-57-5 | 76 |



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ALS Vial : 55 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
BFY75

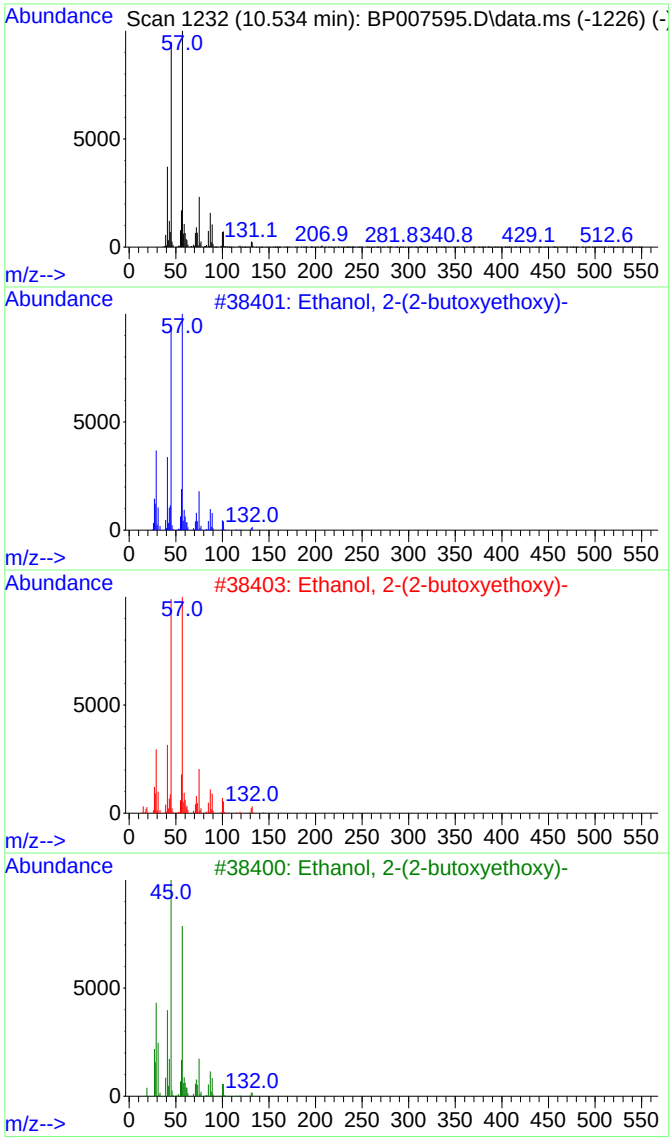
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP101421.M
Quant Title : SVOA CALIBRATION

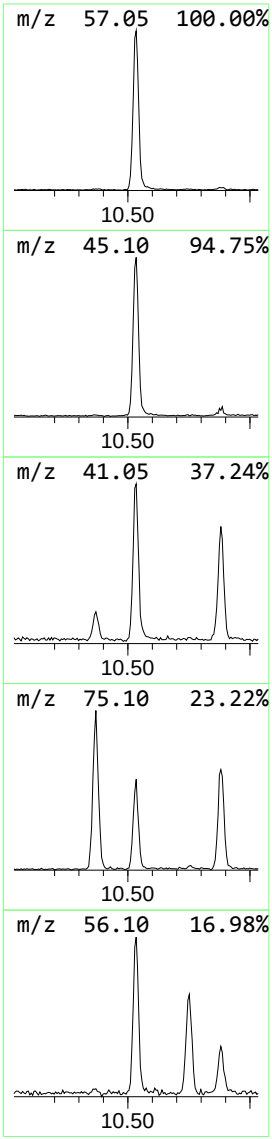
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.534 | 4.19 ng/ul | 330380 | Naphthalene-d8 | 10.752 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-(2-butoxyethoxy)- | 162 | C8H18O3 | 000112-34-5 | 90 |
| 2 | Ethanol, 2-(2-butoxyethoxy)- | 162 | C8H18O3 | 000112-34-5 | 90 |
| 3 | Ethanol, 2-(2-butoxyethoxy)- | 162 | C8H18O3 | 000112-34-5 | 83 |
| 4 | Ethanol, 1-(2-butoxyethoxy)- | 162 | C8H18O3 | 054446-78-5 | 83 |
| 5 | Ethanol, 2-[2-(2-methylpropoxy)e... | 162 | C8H18O3 | 018912-80-6 | 64 |



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ALS Vial : 55 Sample Multiplier: 1

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**ClientSampleId :** BFY75

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP101421.M
Quant Title : SVOA CALIBRATION

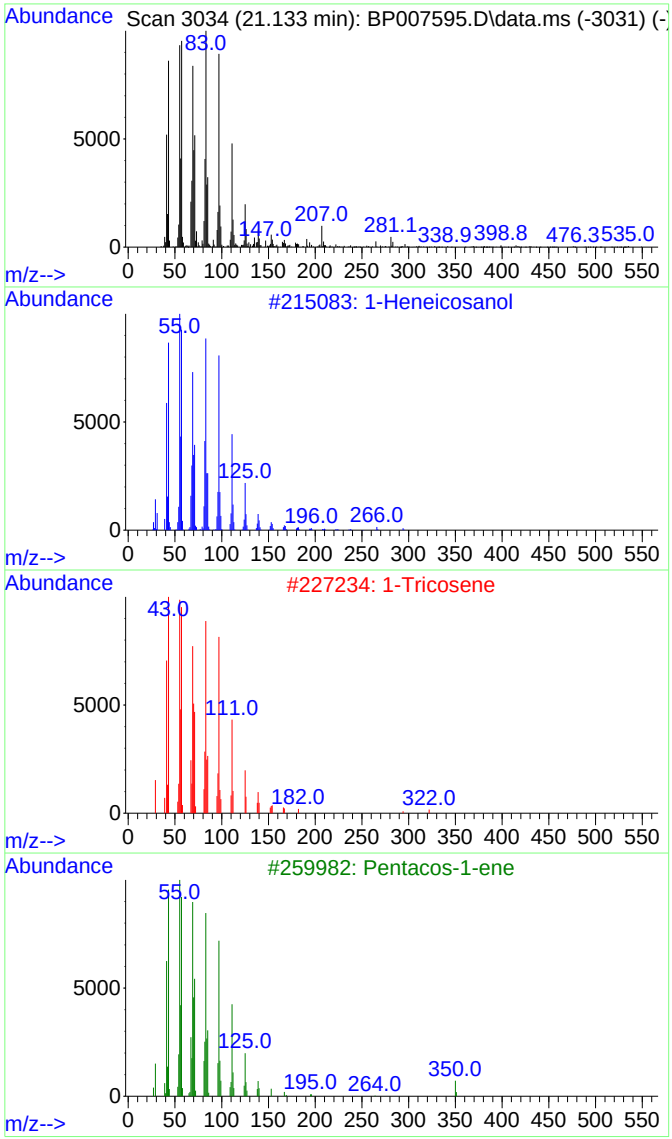
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

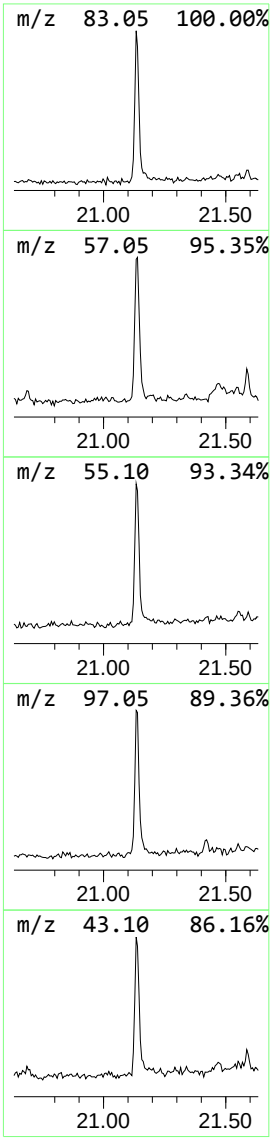
**********

Peak Number 3 1-Heneicosanol Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.133 | 2.32 ng/ul | 352424 | Chrysene-d12 | 21.422 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 95 |
| 2 | 1-Tricosene | 322 | C23H46 | 018835-32-0 | 95 |
| 3 | Pentacos-1-ene | 350 | C25H50 | 016980-85-1 | 94 |
| 4 | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 94 |
| 5 | Pentafluoropropionic acid, penta... | 374 | C18H31F5O2 | 959092-08-1 | 94 |



Tentatively Identified Compound (LSC) summary

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ALS Vial : 55 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** BFY75

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP101421.M
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 |
| Hexanoic acid, ... | 9.240 | 2.8 | ng/ul | 151928 | 1 | 7.946 | 1096760 | 20.0 |
| Ethanol, 2-(2-b... | 10.534 | 4.2 | ng/ul | 330380 | 2 | 10.752 | 1578530 | 20.0 |
| 1-Heneicosanol | 21.133 | 2.3 | ng/ul | 352424 | 5 | 21.422 | 3036920 | 20.0 |