LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091622\
Data File : BM036570.D
Acq On : 16 Sep 2022 19:34
Operator : CG/JU
Sample : N4601-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
A5760

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-BM091522.M
Title : SVOA CALIBRATION

Signal : TIC: BM036570.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.122 | 3 | 6 | 32 | rVB | 1333847 | 2074783 | 38.83% | 3.740% |
| 2 | 4.163 | 179 | 183 | 189 | rVB | 21563 | 30786 | 0.58% | 0.055% |
| 3 | 6.728 | 615 | 619 | 622 | rBV5 | 3604 | 6032 | 0.11% | 0.011% |
| 4 | 7.169 | 687 | 694 | 707 | rVB | 343404 | 604363 | 11.31% | 1.089% |
| 5 | 7.351 | 718 | 725 | 733 | rBV | 575023 | 879393 | 16.46% | 1.585% |
| 6 | 7.551 | 752 | 759 | 769 | rBV | 336952 | 536671 | 10.05% | 0.967% |
| 7 | 8.028 | 833 | 840 | 847 | rBV | 1124442 | 1794164 | 33.58% | 3.234% |
| 8 | 8.087 | 847 | 850 | 855 | rVB4 | 10437 | 15730 | 0.29% | 0.028% |
| 9 | 8.722 | 951 | 958 | 971 | rBV | 436800 | 698470 | 13.07% | 1.259% |
| 10 | 9.187 | 1030 | 1037 | 1047 | rBV | 590650 | 972288 | 18.20% | 1.753% |
| 11 | 9.275 | 1050 | 1052 | 1060 | rVV8 | 6544 | 12899 | 0.24% | 0.023% |
| 12 | 9.357 | 1060 | 1066 | 1071 | rVB9 | 5378 | 11788 | 0.22% | 0.021% |
| 13 | 9.587 | 1102 | 1105 | 1106 | rVV3 | 7087 | 8983 | 0.17% | 0.016% |
| 14 | 9.628 | 1108 | 1112 | 1119 | rVB | 23431 | 40357 | 0.76% | 0.073% |
| 15 | 9.916 | 1152 | 1161 | 1168 | rBV | 134052 | 232788 | 4.36% | 0.420% |
| 16 | 10.451 | 1244 | 1252 | 1261 | rBV | 264314 | 443373 | 8.30% | 0.799% |
| 17 | 10.610 | 1275 | 1279 | 1284 | rBV3 | 17534 | 29313 | 0.55% | 0.053% |
| 18 | 10.839 | 1310 | 1318 | 1328 | rVB | 1658864 | 2691315 | 50.37% | 4.851% |
| 19 | 10.969 | 1335 | 1340 | 1346 | rVB2 | 18633 | 34326 | 0.64% | 0.062% |
| 20 | 12.122 | 1529 | 1536 | 1542 | rVB4 | 10058 | 25021 | 0.47% | 0.045% |
| 21 | 12.257 | 1556 | 1559 | 1563 | rVB5 | 9380 | 14763 | 0.28% | 0.027% |
| 22 | 12.416 | 1581 | 1586 | 1592 | rVB | 16929 | 29428 | 0.55% | 0.053% |
| 23 | 13.210 | 1715 | 1721 | 1724 | rVB8 | 5400 | 6838 | 0.13% | 0.012% |
| 24 | 13.392 | 1746 | 1752 | 1756 | rVB9 | 3902 | 7243 | 0.14% | 0.013% |
| 25 | 13.486 | 1763 | 1768 | 1773 | rBV | 30905 | 42428 | 0.79% | 0.076% |
| 26 | 13.551 | 1776 | 1779 | 1784 | rVV6 | 5853 | 10334 | 0.19% | 0.019% |
| 27 | 13.616 | 1788 | 1790 | 1797 | rVB7 | 5278 | 10733 | 0.20% | 0.019% |
| 28 | 13.886 | 1831 | 1836 | 1841 | rBV9 | 8542 | 13316 | 0.25% | 0.024% |
| 29 | 14.057 | 1859 | 1865 | 1877 | rBV | 1078904 | 1456129 | 27.25% | 2.625% |
| 30 | 14.139 | 1877 | 1879 | 1883 | rVB5 | 4477 | 5488 | 0.10% | 0.010% |
| 31 | 14.298 | 1901 | 1906 | 1907 | rBV4 | 5260 | 7458 | 0.14% | 0.013% |
| 32 | 14.345 | 1907 | 1914 | 1927 | rVB | 1693794 | 2431894 | 45.52% | 4.383% |
| 33 | 14.551 | 1945 | 1949 | 1953 | rVB3 | 9943 | 11653 | 0.22% | 0.021% |
| 34 | 14.651 | 1959 | 1966 | 1975 | rBV | 2557837 | 3718954 | 69.61% | 6.703% |
| 35 | 14.816 | 1986 | 1994 | 2000 | rVB8 | 19119 | 35599 | 0.67% | 0.064% |
| 36 | 14.880 | 2000 | 2005 | 2006 | rBV5 | 5131 | 6543 | 0.12% | 0.012% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091622\
Data File : BM036570.D
Acq On : 16 Sep 2022 19:34
Operator : CG/JU
Sample : N4601-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
A5760

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-BM091522.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 15.351 | 2083 | 2085 | 2088 | rBV4 | 4494 | 5983 | 0.11% | 0.011% |
| 38 | 15.451 | 2098 | 2102 | 2104 | rBV5 | 7995 | 12022 | 0.23% | 0.022% |
| 39 | 15.498 | 2106 | 2110 | 2114 | rVB3 | 10960 | 16477 | 0.31% | 0.030% |
| 40 | 15.633 | 2127 | 2133 | 2145 | rBV | 2323381 | 3360991 | 62.91% | 6.058% |
| 41 | 15.739 | 2145 | 2151 | 2159 | rVB5 | 19135 | 30188 | 0.57% | 0.054% |
| 42 | 15.874 | 2169 | 2174 | 2178 | rBV4 | 21644 | 32372 | 0.61% | 0.058% |
| 43 | 16.063 | 2200 | 2206 | 2209 | rBV6 | 6517 | 12048 | 0.23% | 0.022% |
| 44 | 16.180 | 2221 | 2226 | 2229 | rBV7 | 4603 | 6857 | 0.13% | 0.012% |
| 45 | 16.363 | 2253 | 2257 | 2259 | rBV5 | 7756 | 9077 | 0.17% | 0.016% |
| 46 | 16.416 | 2263 | 2266 | 2270 | rVB5 | 11562 | 13255 | 0.25% | 0.024% |
| 47 | 16.627 | 2298 | 2302 | 2307 | rBV5 | 4888 | 9840 | 0.18% | 0.018% |
| 48 | 16.704 | 2310 | 2315 | 2319 | rBV7 | 10679 | 17884 | 0.33% | 0.032% |
| 49 | 16.892 | 2340 | 2347 | 2350 | rBV4 | 17621 | 30981 | 0.58% | 0.056% |
| 50 | 17.151 | 2387 | 2391 | 2393 | rBV3 | 14859 | 19118 | 0.36% | 0.034% |
| 51 | 17.310 | 2412 | 2418 | 2420 | rBV6 | 7380 | 9619 | 0.18% | 0.017% |
| 52 | 17.386 | 2423 | 2431 | 2441 | rBV | 3239564 | 4517165 | 84.55% | 8.142% |
| 53 | 17.480 | 2441 | 2447 | 2462 | rVV | 2450654 | 3607681 | 67.53% | 6.503% |
| 54 | 17.892 | 2514 | 2517 | 2519 | rBV4 | 6490 | 6422 | 0.12% | 0.012% |
| 55 | 17.962 | 2526 | 2529 | 2534 | rVB | 17125 | 19261 | 0.36% | 0.035% |
| 56 | 18.062 | 2542 | 2546 | 2550 | rVB | 61352 | 70099 | 1.31% | 0.126% |
| 57 | 18.280 | 2579 | 2583 | 2586 | rBV6 | 13761 | 20176 | 0.38% | 0.036% |
| 58 | 18.357 | 2593 | 2596 | 2600 | rVB2 | 10769 | 12975 | 0.24% | 0.023% |
| 59 | 18.580 | 2631 | 2634 | 2639 | rBV7 | 11593 | 15506 | 0.29% | 0.028% |
| 60 | 18.904 | 2685 | 2689 | 2694 | rVB3 | 18285 | 25834 | 0.48% | 0.047% |
| 61 | 19.209 | 2738 | 2741 | 2747 | rVB2 | 21163 | 26509 | 0.50% | 0.048% |
| 62 | 19.333 | 2758 | 2762 | 2767 | rVB2 | 29568 | 37421 | 0.70% | 0.067% |
| 63 | 19.398 | 2770 | 2773 | 2777 | rVV | 24735 | 33399 | 0.63% | 0.060% |
| 64 | 19.704 | 2821 | 2825 | 2828 | rBV3 | 16065 | 21110 | 0.40% | 0.038% |
| 65 | 19.762 | 2829 | 2835 | 2844 | rBV | 3160599 | 4222076 | 79.03% | 7.610% |
| 66 | 20.280 | 2920 | 2923 | 2926 | rBV4 | 25726 | 36331 | 0.68% | 0.065% |
| 67 | 20.315 | 2926 | 2929 | 2933 | rVV | 84948 | 98514 | 1.84% | 0.178% |
| 68 | 20.768 | 3002 | 3006 | 3010 | rBV | 174966 | 216699 | 4.06% | 0.391% |
| 69 | 20.809 | 3010 | 3013 | 3017 | rVB2 | 66000 | 68358 | 1.28% | 0.123% |
| 70 | 21.262 | 3086 | 3090 | 3099 | rBV | 637454 | 869100 | 16.27% | 1.567% |
| 71 | 21.550 | 3133 | 3139 | 3144 | rBV | 4107998 | 5181544 | 96.98% | 9.340% |
| 72 | 21.721 | 3164 | 3168 | 3176 | rBV2 | 131064 | 176762 | 3.31% | 0.319% |
| 73 | 21.909 | 3197 | 3200 | 3204 | rVB2 | 94591 | 102540 | 1.92% | 0.185% |
| 74 | 22.203 | 3244 | 3250 | 3260 | rBV | 740793 | 1191651 | 22.30% | 2.148% |
| 75 | 22.956 | 3375 | 3378 | 3386 | rVB5 | 126591 | 178215 | 3.34% | 0.321% |
| 76 | 23.274 | 3428 | 3432 | 3435 | rBV | 182735 | 279909 | 5.24% | 0.505% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091622\
Data File : BM036570.D
Acq On : 16 Sep 2022 19:34
Operator : CG/JU
Sample : N4601-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
A5760

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-BM091522.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 23.315 | 3436 | 3439 | 3450 | rVB | 275576 | 465455 | 8.71% | 0.839% |
| 78 | 23.833 | 3520 | 3527 | 3537 | rVB2 | 2022181 | 3896764 | 72.94% | 7.024% |
| 79 | 23.992 | 3547 | 3554 | 3568 | rVB2 | 2674186 | 5342659 | 100.00% | 9.630% |
| 80 | 24.674 | 3665 | 3670 | 3677 | rVB2 | 185188 | 368643 | 6.90% | 0.664% |
| 81 | 26.850 | 4032 | 4040 | 4057 | rVB3 | 588316 | 1832144 | 34.29% | 3.302% |

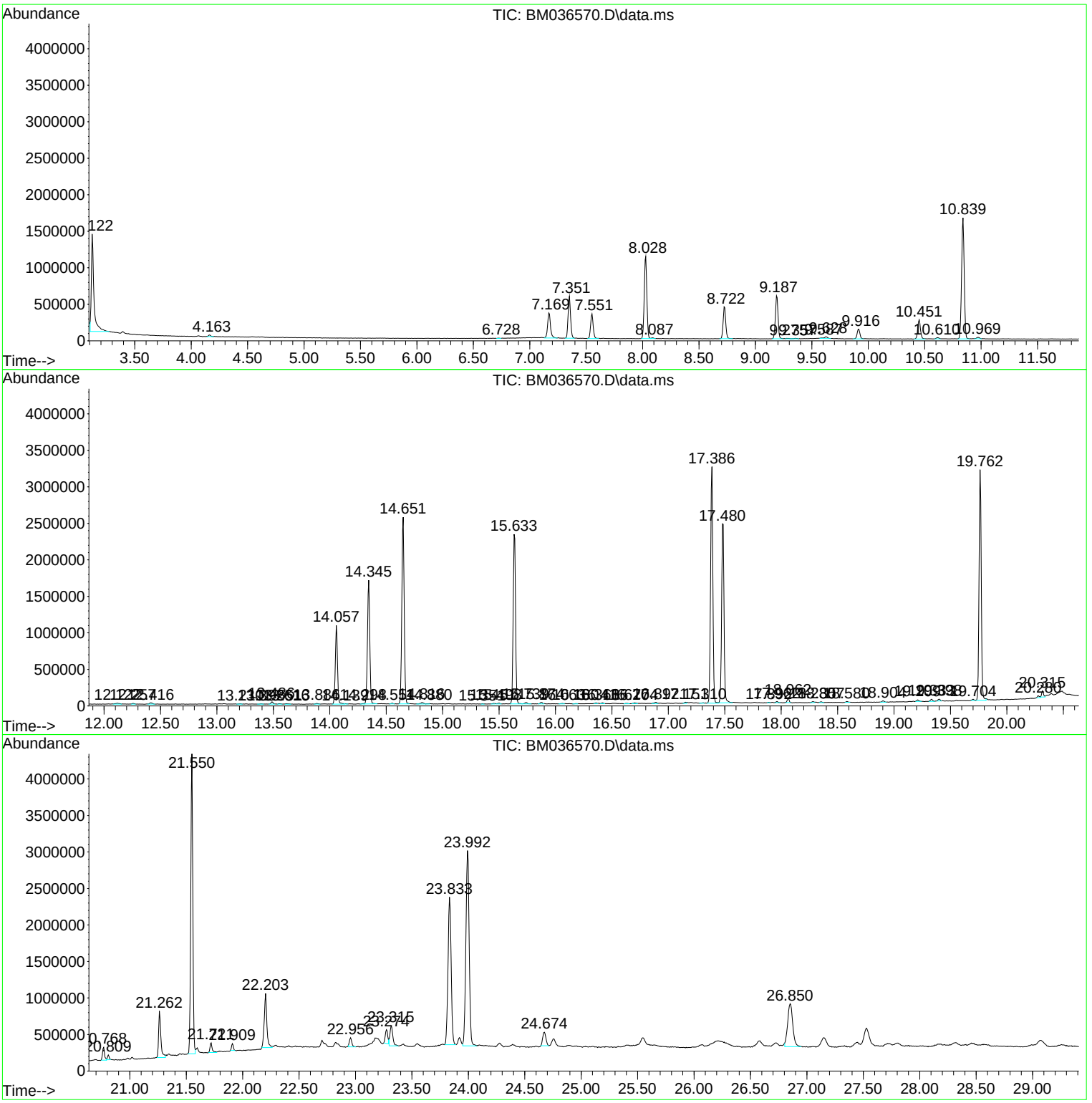
Sum of corrected areas: 55479278

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091622\
Data File : BM036570.D
Acq On : 16 Sep 2022 19:34
Operator : CG/JU
Sample : N4601-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
A5760

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM091522.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091622\
Data File : BM036570.D
Acq On : 16 Sep 2022 19:34
Operator : CG/JU
Sample : N4601-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
A5760

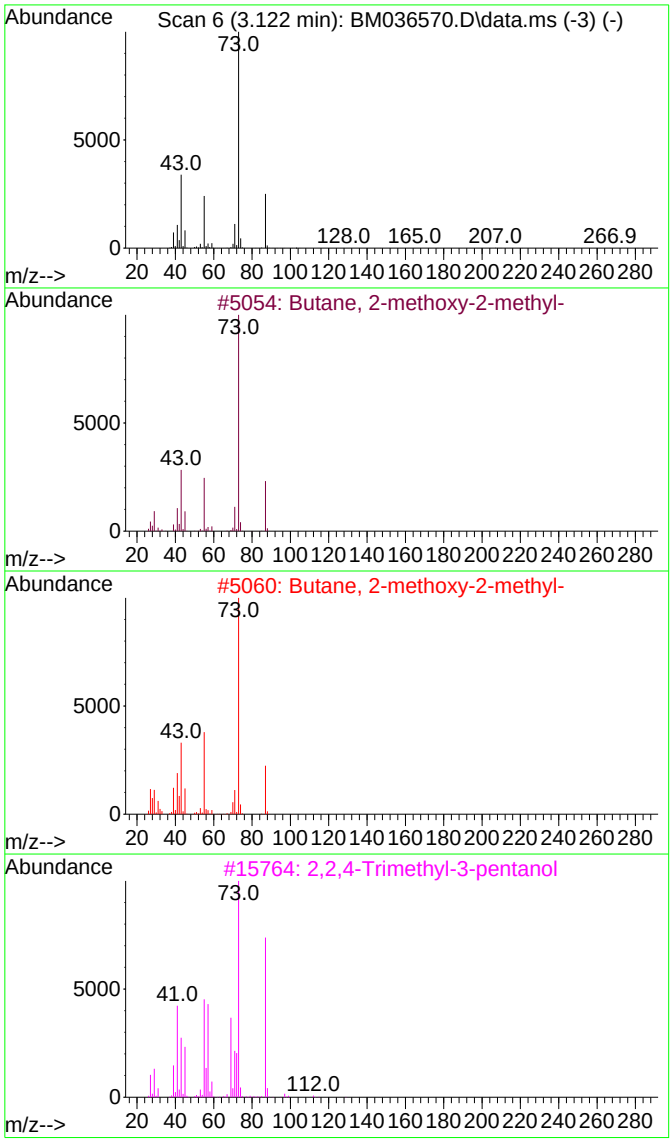
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM091522.M
Quant Title : SVOA CALIBRATION

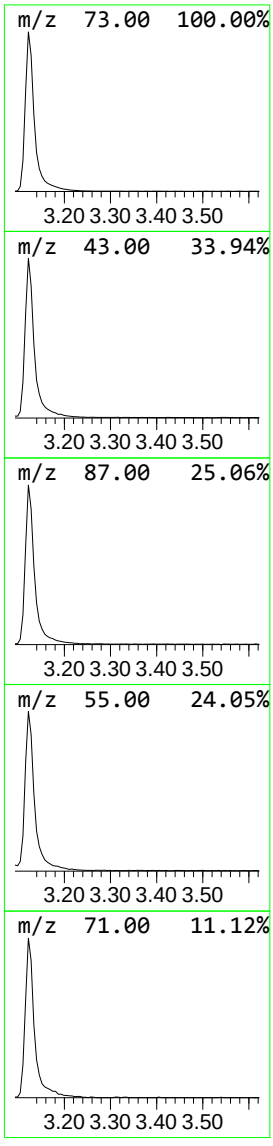
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.122 | 23.13 ng/ul | 2074780 | 1,4-Dichlorobenzene-d4 | 8.028 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 78 |
| 2 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 74 |
| 3 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 39 |
| 4 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 25 |
| 5 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 23 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091622\
Data File : BM036570.D
Acq On : 16 Sep 2022 19:34
Operator : CG/JU
Sample : N4601-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
A5760

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM091522.M
Quant Title : SVOA CALIBRATION

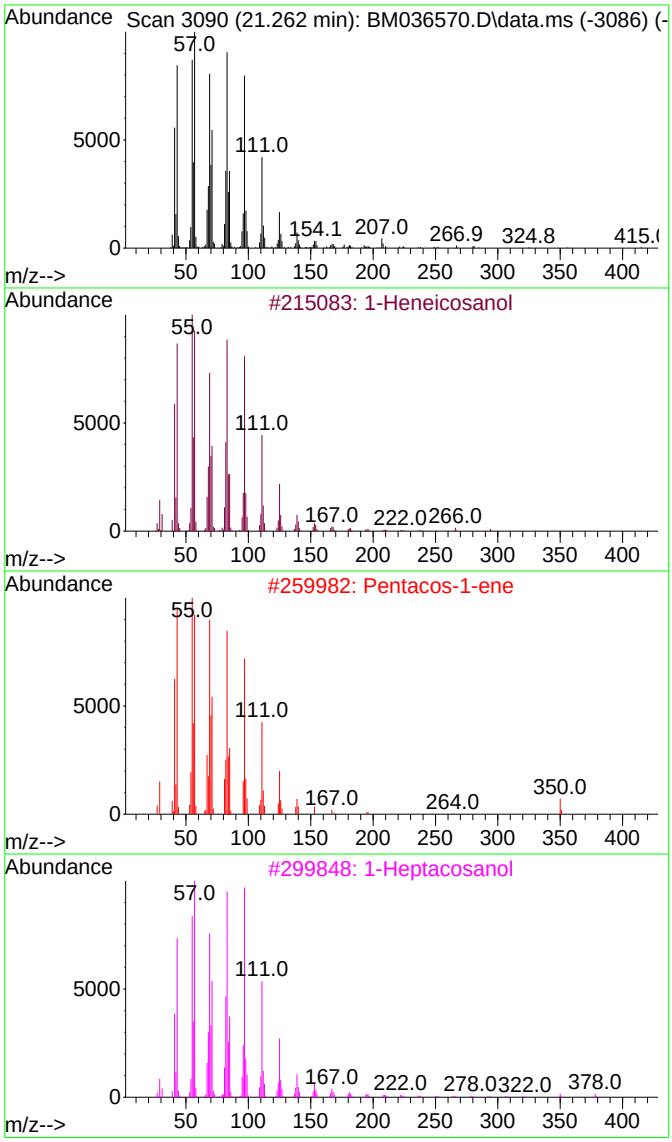
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

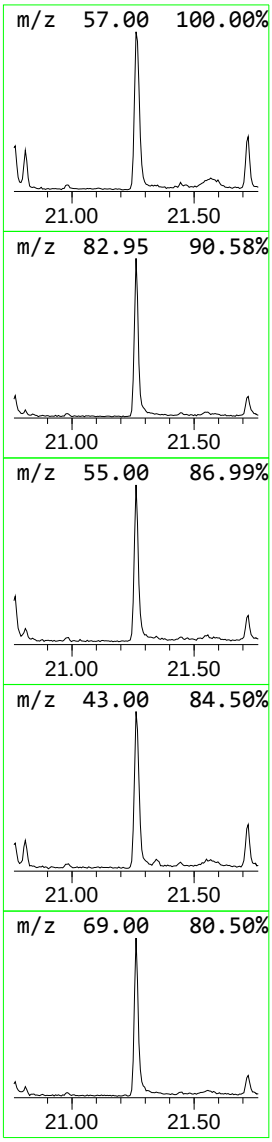
**********

Peak Number 2 1-Heneicosanol Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.262 | 3.35 ng/ul | 869100 | Chrysene-d12 | 21.551 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 95 |
| 2 | Pentacos-1-ene | 350 | C25H50 | 016980-85-1 | 94 |
| 3 | 1-Heptacosanol | 396 | C27H56O | 002004-39-9 | 94 |
| 4 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 94 |
| 5 | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2 | 959261-23-5 | 94 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091622\
Data File : BM036570.D
Acq On : 16 Sep 2022 19:34
Operator : CG/JU
Sample : N4601-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
A5760

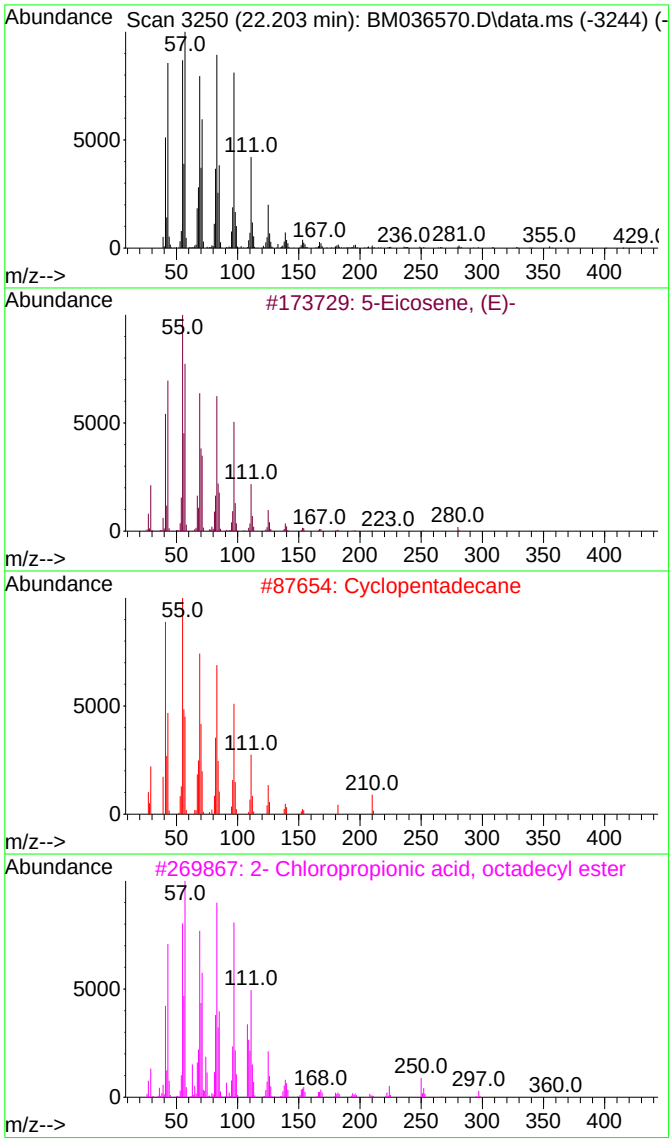
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM091522.M
Quant Title : SVOA CALIBRATION

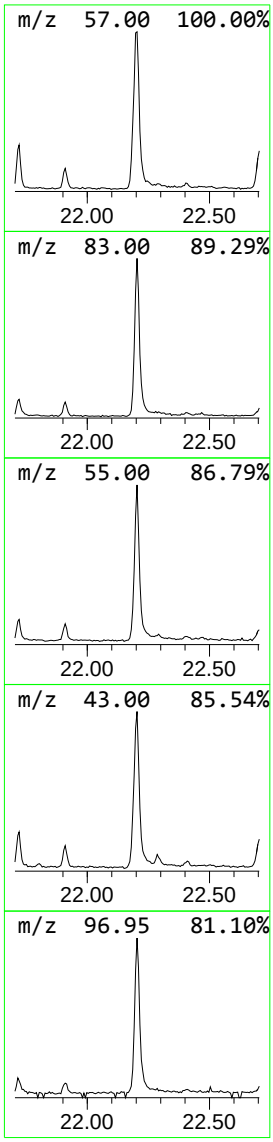
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.203 | 4.60 ng/ul | 1191650 | Chrysene-d12 | 21.551 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Eicosene, (E)- | 280 | C20H40 | 074685-30-6 | 96 |
| 2 | Cyclopentadecane | 210 | C15H30 | 000295-48-7 | 94 |
| 3 | 2- Chloropropionic acid, octadec... | 360 | C21H41ClO2 | 088104-31-8 | 94 |
| 4 | 1-Heneicosyl formate | 340 | C22H44O2 | 077899-03-7 | 94 |
| 5 | 1-Heptacosanol | 396 | C27H56O | 002004-39-9 | 94 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091622\
Data File : BM036570.D
Acq On : 16 Sep 2022 19:34
Operator : CG/JU
Sample : N4601-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
A5760

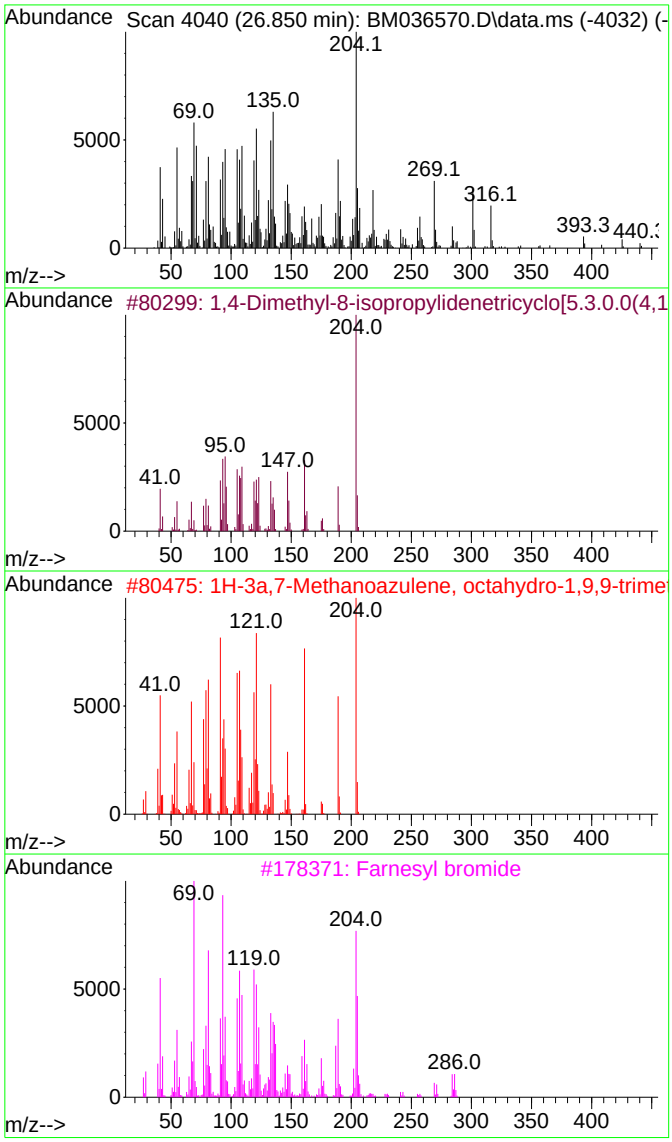
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM091522.M
Quant Title : SVOA CALIBRATION

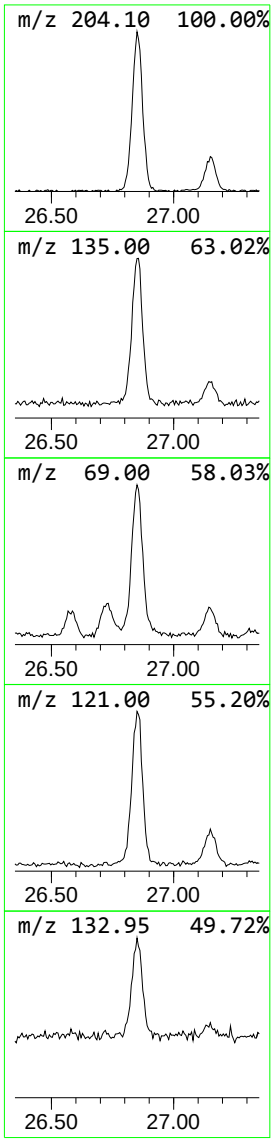
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 1,4-Dimethyl-8-isopropylide... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 26.850 | 6.86 ng/ul | 1832140 | Perylene-d12 | 23.991 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,4-Dimethyl-8-isopropylidenetri... | 204 | C15H24 | 1010140-07-7 | 59 |
| 2 | 1H-3a,7-Methanoazulene, octahydr... | 204 | C15H24 | 000508-55-4 | 55 |
| 3 | Farnesyl bromide | 284 | C15H25Br | 006874-67-5 | 49 |
| 4 | 1H-3a,7-Methanoazulene, 2,3,6,7,... | 204 | C15H24 | 000560-32-7 | 49 |
| 5 | Guaia-3,9-diene | 204 | C15H24 | 000489-83-8 | 46 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091622\
Data File : BM036570.D
Acq On : 16 Sep 2022 19:34
Operator : CG/JU
Sample : N4601-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
A5760

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM091522.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 |
| Butane, 2-metho... | 3.122 | 23.1 | ng/ul | 2074780 | 1 | 8.028 | 1794160 | 20.0 |
| 1-Heneicosanol | 21.262 | 3.4 | ng/ul | 869100 | 5 | 21.551 | 5181540 | 20.0 |
| (DEL) Alkane: S... | 22.203 | 4.6 | ng/ul | 1191650 | 5 | 21.551 | 5181540 | 20.0 |
| 1,4-Dimethyl-8-... | 26.850 | 6.9 | ng/ul | 1832140 | 6 | 23.991 | 5342660 | 20.0 |