LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022721\
Data File : BM028928.D
Acq On : 26 Feb 2021 20:36
Operator : CG/JU
Sample : M1482-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DBGJ5

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\SOM-EPA-BM022721MA.M
Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.122 | 20 | 23 | 30 | rVB | 3695 | 4339 | 0.93% | 0.090% |
| 2 | 3.887 | 150 | 153 | 156 | rBB | 621 | 680 | 0.15% | 0.014% |
| 3 | 6.957 | 671 | 675 | 684 | rBB | 15636 | 24180 | 5.18% | 0.501% |
| 4 | 7.116 | 696 | 702 | 709 | rBB | 52730 | 82774 | 17.73% | 1.714% |
| 5 | 7.304 | 729 | 734 | 744 | rBB | 64030 | 97251 | 20.83% | 2.014% |
| 6 | 7.775 | 808 | 814 | 821 | rBB | 59087 | 88734 | 19.00% | 1.838% |
| 7 | 8.310 | 901 | 905 | 909 | rBB | 1947 | 2641 | 0.57% | 0.055% |
| 8 | 8.504 | 933 | 938 | 948 | rBB | 46354 | 71674 | 15.35% | 1.484% |
| 9 | 8.645 | 959 | 962 | 964 | rBB | 667 | 661 | 0.14% | 0.014% |
| 10 | 8.951 | 1008 | 1014 | 1023 | rBB | 74942 | 118148 | 25.30% | 2.447% |
| 11 | 9.316 | 1073 | 1076 | 1079 | rBB | 1293 | 1447 | 0.31% | 0.030% |
| 12 | 9.669 | 1131 | 1136 | 1143 | rBB | 68358 | 103975 | 22.27% | 2.153% |
| 13 | 10.204 | 1222 | 1227 | 1238 | rBB | 87069 | 144782 | 31.01% | 2.998% |
| 14 | 10.292 | 1239 | 1242 | 1245 | rBB | 546 | 641 | 0.14% | 0.013% |
| 15 | 10.522 | 1278 | 1281 | 1284 | rBB | 726 | 916 | 0.20% | 0.019% |
| 16 | 10.575 | 1284 | 1290 | 1295 | rBV | 83716 | 132475 | 28.37% | 2.743% |
| 17 | 10.628 | 1295 | 1299 | 1305 | rVB | 11311 | 17039 | 3.65% | 0.353% |
| 18 | 10.739 | 1313 | 1318 | 1324 | rBB3 | 2871 | 4907 | 1.05% | 0.102% |
| 19 | 12.169 | 1559 | 1561 | 1565 | rBB | 1003 | 1095 | 0.23% | 0.023% |
| 20 | 12.251 | 1571 | 1575 | 1578 | rBB | 1086 | 1450 | 0.31% | 0.030% |
| 21 | 12.463 | 1607 | 1611 | 1616 | rBB | 5566 | 7958 | 1.70% | 0.165% |
| 22 | 12.898 | 1682 | 1685 | 1689 | rBB | 1198 | 1420 | 0.30% | 0.029% |
| 23 | 13.269 | 1745 | 1748 | 1751 | rBB | 729 | 865 | 0.19% | 0.018% |
| 24 | 13.457 | 1778 | 1780 | 1784 | rBB | 459 | 593 | 0.13% | 0.012% |
| 25 | 13.586 | 1800 | 1802 | 1805 | rBV | 517 | 684 | 0.15% | 0.014% |
| 26 | 13.622 | 1805 | 1808 | 1810 | rVB2 | 981 | 895 | 0.19% | 0.019% |
| 27 | 13.751 | 1827 | 1830 | 1834 | rBB | 1049 | 1355 | 0.29% | 0.028% |
| 28 | 13.810 | 1838 | 1840 | 1842 | rBV | 851 | 1047 | 0.22% | 0.022% |
| 29 | 13.857 | 1842 | 1848 | 1853 | rVV | 186060 | 245979 | 52.68% | 5.094% |
| 30 | 13.904 | 1853 | 1856 | 1859 | rVB | 1484 | 1555 | 0.33% | 0.032% |
| 31 | 14.133 | 1888 | 1895 | 1905 | rBB | 197965 | 300726 | 64.41% | 6.228% |
| 32 | 14.439 | 1941 | 1947 | 1953 | rBB | 130345 | 181998 | 38.98% | 3.769% |
| 33 | 14.504 | 1953 | 1958 | 1963 | rBB | 24256 | 32828 | 7.03% | 0.680% |
| 34 | 14.580 | 1966 | 1971 | 1977 | rBB | 27839 | 37320 | 7.99% | 0.773% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022721\
Data File : BM028928.D
Acq On : 26 Feb 2021 20:36
Operator : CG/JU
Sample : M1482-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DBGJ5

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\SOM-EPA-BM022721MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 14.680 | 1984 | 1988 | 1992 | rBV | 12006 | 18243 | 3.91% | 0.378% |
| 36 | 14.710 | 1992 | 1993 | 1999 | rVB | 4342 | 4403 | 0.94% | 0.091% |
| 37 | 14.839 | 2010 | 2015 | 2018 | rBV | 12354 | 15859 | 3.40% | 0.328% |
| 38 | 14.874 | 2018 | 2021 | 2029 | rVB | 10224 | 13334 | 2.86% | 0.276% |
| 39 | 15.227 | 2079 | 2081 | 2085 | rBB | 1557 | 1636 | 0.35% | 0.034% |
| 40 | 15.433 | 2110 | 2116 | 2121 | rBV | 272127 | 363181 | 77.78% | 7.521% |
| 41 | 15.486 | 2121 | 2125 | 2130 | rVB | 17716 | 22277 | 4.77% | 0.461% |
| 42 | 15.580 | 2136 | 2141 | 2149 | rBB | 97999 | 130490 | 27.95% | 2.702% |
| 43 | 15.668 | 2150 | 2156 | 2161 | rBB2 | 1851 | 2327 | 0.50% | 0.048% |
| 44 | 15.786 | 2172 | 2176 | 2178 | rBB | 923 | 1150 | 0.25% | 0.024% |
| 45 | 15.933 | 2197 | 2201 | 2206 | rBB2 | 2198 | 3020 | 0.65% | 0.063% |
| 46 | 16.174 | 2238 | 2242 | 2246 | rBB | 3205 | 4365 | 0.93% | 0.090% |
| 47 | 16.486 | 2293 | 2295 | 2298 | rVB | 635 | 654 | 0.14% | 0.014% |
| 48 | 16.539 | 2301 | 2304 | 2307 | rBB | 473 | 564 | 0.12% | 0.012% |
| 49 | 16.845 | 2353 | 2356 | 2360 | rBB | 1496 | 1792 | 0.38% | 0.037% |
| 50 | 16.998 | 2377 | 2382 | 2389 | rVB | 31121 | 40459 | 8.67% | 0.838% |
| 51 | 17.180 | 2404 | 2413 | 2416 | rBV | 153984 | 208997 | 44.76% | 4.328% |
| 52 | 17.221 | 2416 | 2420 | 2425 | rVB | 338182 | 466904 | 100.00% | 9.669% |
| 53 | 17.280 | 2425 | 2430 | 2435 | rBV | 302867 | 403808 | 86.49% | 8.363% |
| 54 | 17.392 | 2444 | 2449 | 2451 | rBV | 567 | 728 | 0.16% | 0.015% |
| 55 | 17.462 | 2458 | 2461 | 2463 | rBV2 | 508 | 677 | 0.14% | 0.014% |
| 56 | 17.592 | 2477 | 2483 | 2488 | rBV | 21235 | 27358 | 5.86% | 0.567% |
| 57 | 17.674 | 2492 | 2497 | 2503 | rBV2 | 2365 | 3614 | 0.77% | 0.075% |
| 58 | 17.874 | 2527 | 2531 | 2540 | rBV4 | 1254 | 2481 | 0.53% | 0.051% |
| 59 | 18.062 | 2557 | 2563 | 2567 | rBV2 | 16983 | 25661 | 5.50% | 0.531% |
| 60 | 18.098 | 2567 | 2569 | 2573 | rVB2 | 4875 | 5421 | 1.16% | 0.112% |
| 61 | 18.204 | 2583 | 2587 | 2589 | rVV | 896 | 999 | 0.21% | 0.021% |
| 62 | 18.245 | 2589 | 2594 | 2599 | rVB2 | 10394 | 14745 | 3.16% | 0.305% |
| 63 | 18.409 | 2619 | 2622 | 2624 | rVB | 533 | 600 | 0.13% | 0.012% |
| 64 | 18.551 | 2643 | 2646 | 2648 | rBV | 852 | 688 | 0.15% | 0.014% |
| 65 | 18.598 | 2652 | 2654 | 2657 | rVV | 911 | 1132 | 0.24% | 0.023% |
| 66 | 18.627 | 2657 | 2659 | 2662 | rVB | 658 | 577 | 0.12% | 0.012% |
| 67 | 18.762 | 2678 | 2682 | 2684 | rBV | 569 | 651 | 0.14% | 0.013% |
| 68 | 19.004 | 2719 | 2723 | 2731 | rBV2 | 3814 | 5826 | 1.25% | 0.121% |
| 69 | 19.115 | 2739 | 2742 | 2747 | rBV | 1400 | 2033 | 0.44% | 0.042% |
| 70 | 19.198 | 2753 | 2756 | 2758 | rBV | 2237 | 2698 | 0.58% | 0.056% |
| 71 | 19.233 | 2758 | 2762 | 2767 | rVB | 10478 | 13516 | 2.89% | 0.280% |

LSC Area Percent Report

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Operator : CG/JU
Sample : M1482-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DBGJ5

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\SOM-EPA-BM022721MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 19.280 | 2767 | 2770 | 2774 | rBV2 | 5986 | 5869 | 1.26% | 0.122% |
| 73 | 19.345 | 2778 | 2781 | 2787 | rVB | 6461 | 7441 | 1.59% | 0.154% |
| 74 | 19.392 | 2787 | 2789 | 2792 | rVB2 | 521 | 503 | 0.11% | 0.010% |
| 75 | 19.427 | 2792 | 2795 | 2797 | rBV | 1195 | 1703 | 0.36% | 0.035% |
| 76 | 19.451 | 2797 | 2799 | 2805 | rVB2 | 1173 | 1527 | 0.33% | 0.032% |
| 77 | 19.568 | 2813 | 2819 | 2829 | rBV | 342861 | 458907 | 98.29% | 9.504% |
| 78 | 19.686 | 2838 | 2839 | 2844 | rVB2 | 489 | 500 | 0.11% | 0.010% |
| 79 | 19.745 | 2848 | 2849 | 2852 | rVB3 | 875 | 632 | 0.14% | 0.013% |
| 80 | 19.798 | 2855 | 2858 | 2861 | rBV4 | 1365 | 1848 | 0.40% | 0.038% |
| 81 | 20.051 | 2898 | 2901 | 2902 | rBV | 1533 | 1206 | 0.26% | 0.025% |
| 82 | 21.050 | 3067 | 3071 | 3077 | rBV | 30095 | 37529 | 8.04% | 0.777% |
| 83 | 21.345 | 3116 | 3121 | 3127 | rVB | 175335 | 209908 | 44.96% | 4.347% |
| 84 | 23.403 | 3465 | 3471 | 3481 | rVB | 222877 | 385399 | 82.54% | 7.981% |
| 85 | 23.544 | 3489 | 3495 | 3502 | rVB | 105239 | 187868 | 40.24% | 3.891% |

Sum of corrected areas: 4828740

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022721\
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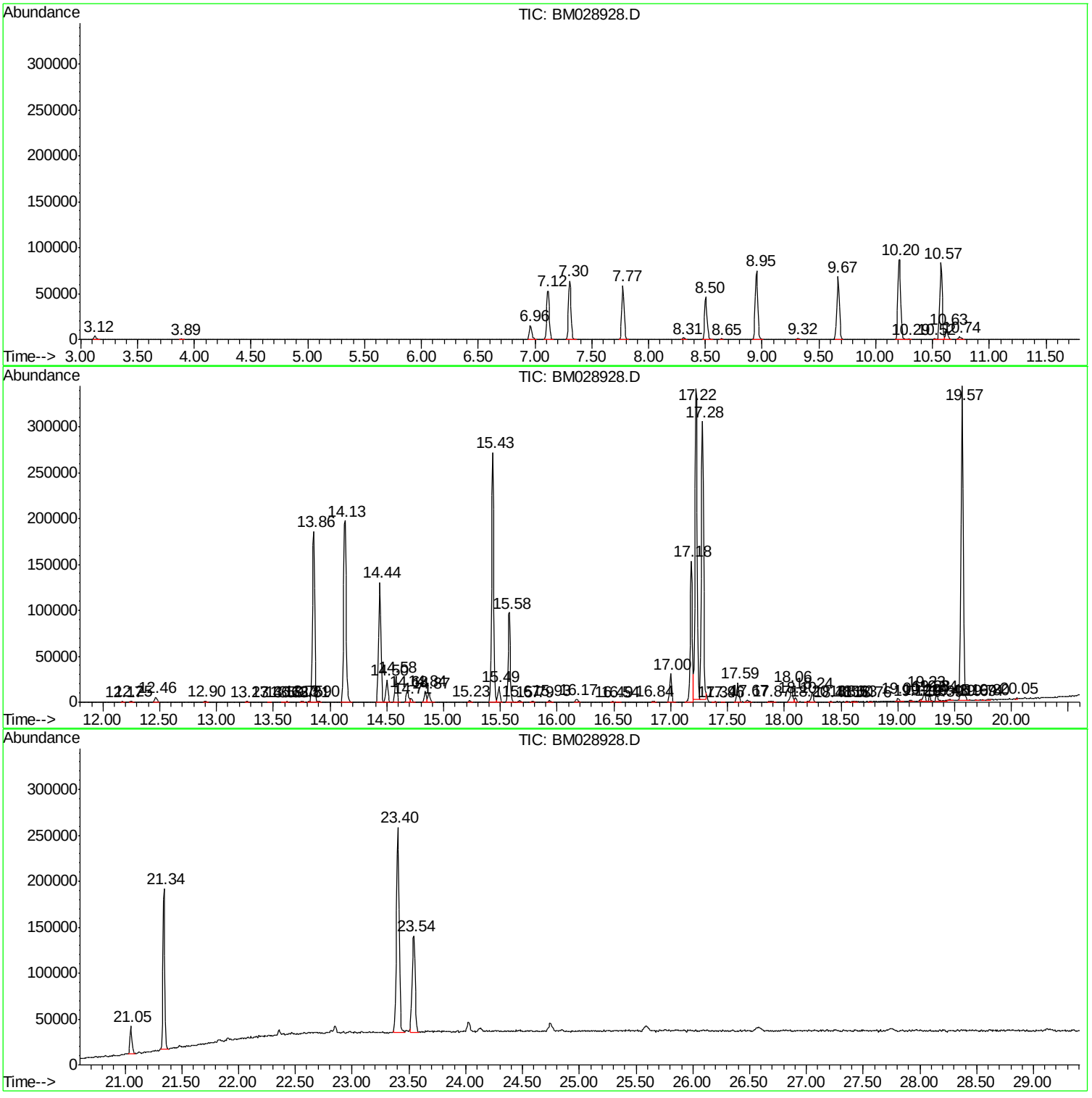
Operator : CG/JU
Sample : M1482-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DBGJ5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM022721MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022721\
Data File : BM028928.D
Acq On : 26 Feb 2021 20:36
Operator : CG/JU
Sample : M1482-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DBGJ5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM022721MA.M
Quant Title : SVOA CALIBRATION

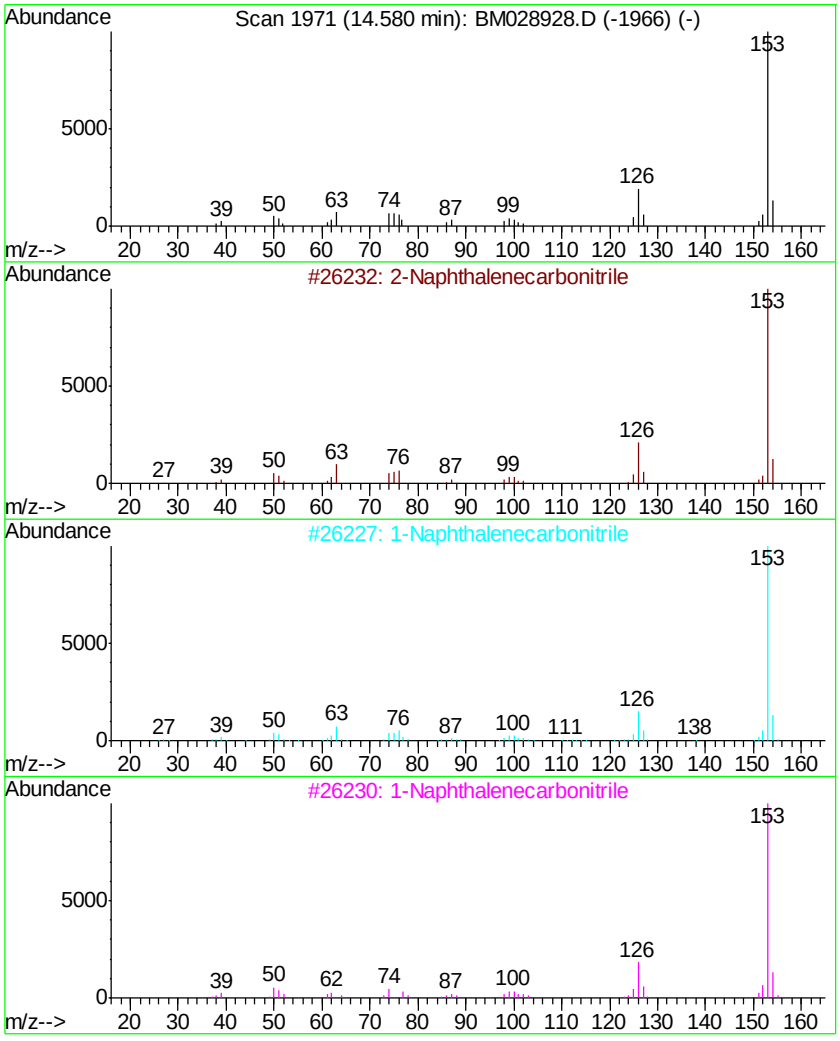
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

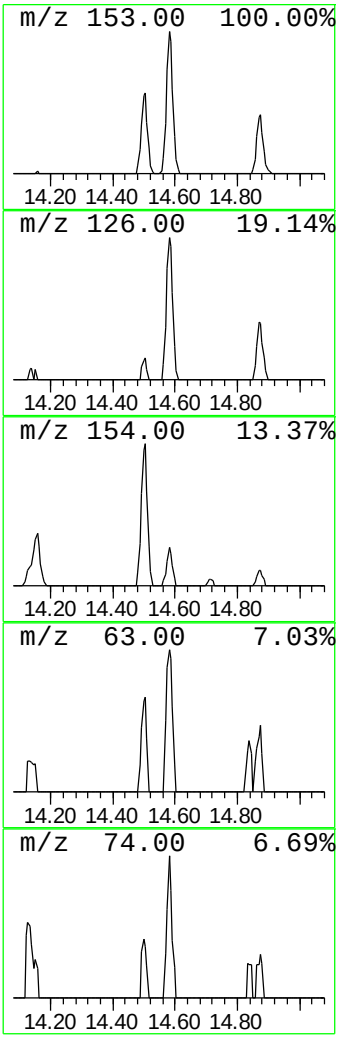
**********

Peak Number 1 2-Naphthalenecarbonitrile Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.58 | 4.10 ng/ul | 37320 | Acenaphthene-d10 | 14.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Naphthalenecarbonitrile | 153 | C11H7N | 000613-46-7 | 97 |
| 2 | 1-Naphthalenecarbonitrile | 153 | C11H7N | 000086-53-3 | 95 |
| 3 | 1-Naphthalenecarbonitrile | 153 | C11H7N | 000086-53-3 | 91 |
| 4 | 1-Naphthalenecarbonitrile | 153 | C11H7N | 000086-53-3 | 91 |
| 5 | 2-Naphthalenecarbonitrile | 153 | C11H7N | 000613-46-7 | 90 |



Library Search Compound Report

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Data File : BM028928.D
Acq On : 26 Feb 2021 20:36
Operator : CG/JU
Sample : M1482-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DBGJ5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM022721MA.M
Quant Title : SVOA CALIBRATION

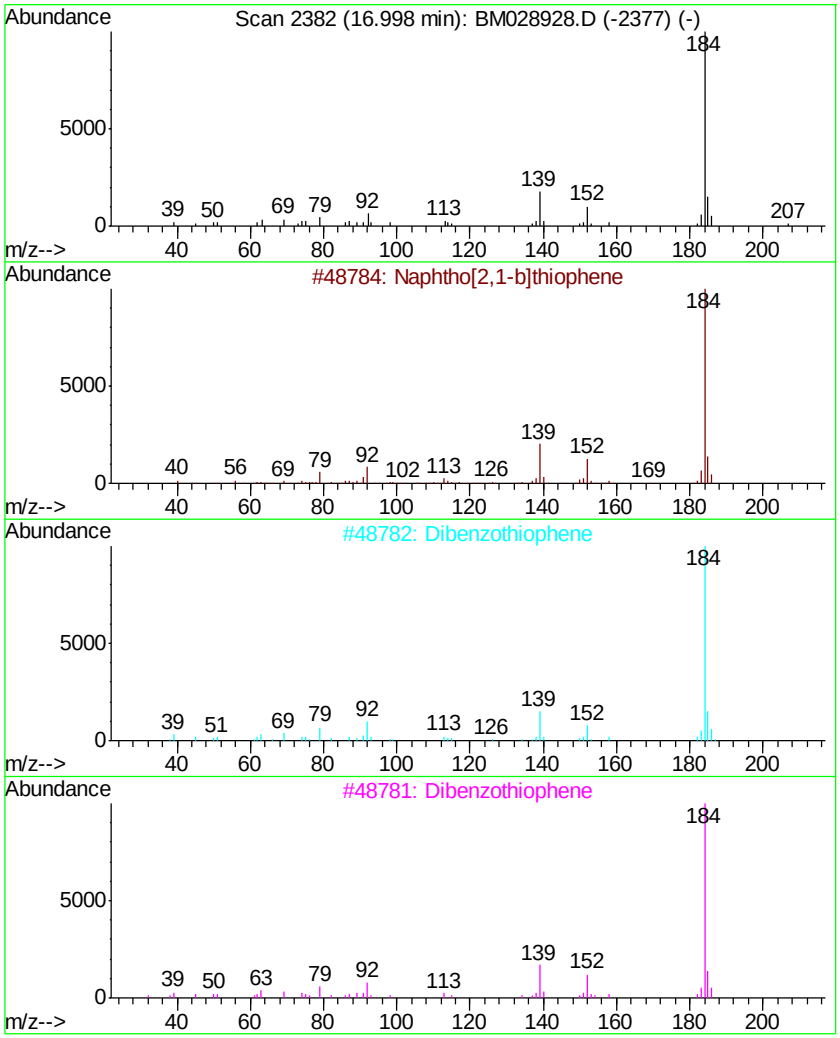
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

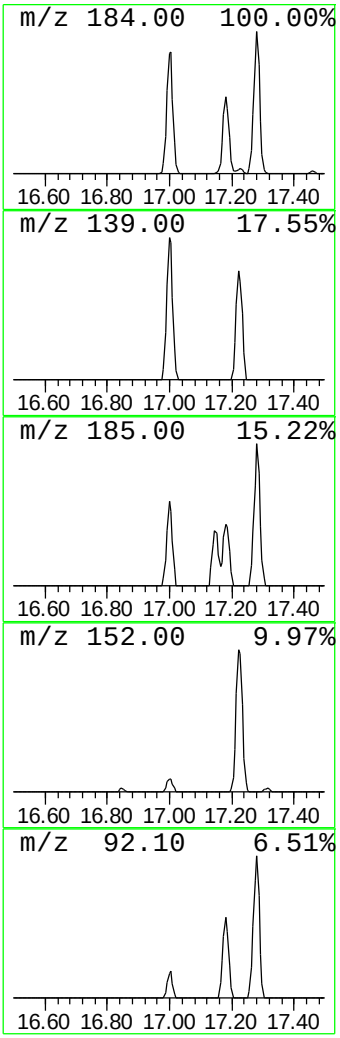
**********

Peak Number 2 Naphtho[2,1-b]thiophene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.00 | 3.87 ng/ul | 40459 | Phenanthrene-d10 | 17.18 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 97 |
| 2 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 95 |
| 3 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 95 |
| 4 | Naphtho[1,2-b]thiophene | 184 | C12H8S | 000234-41-3 | 95 |
| 5 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 94 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022721\
Data File : BM028928.D
Acq On : 26 Feb 2021 20:36
Operator : CG/JU
Sample : M1482-03
Misc :
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**Instrument :** BNA_M
**ClientSampleId :** DBGJ5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM022721MA.M
Quant Title : SVOA CALIBRATION

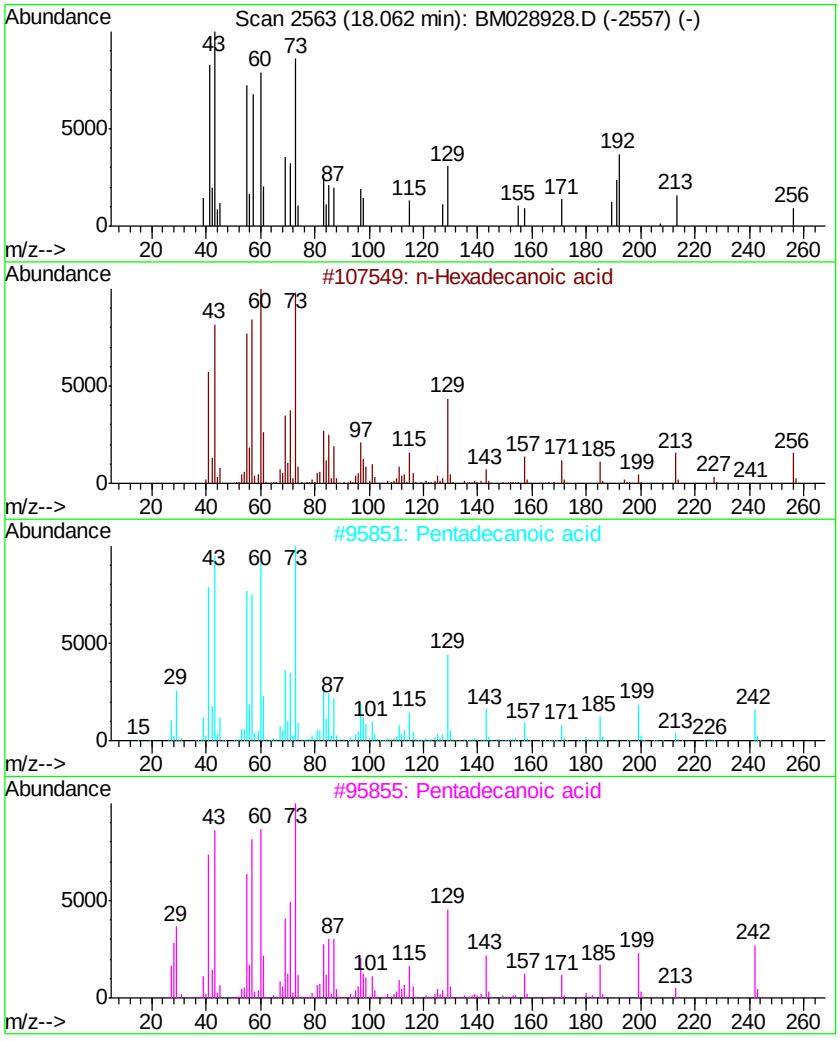
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

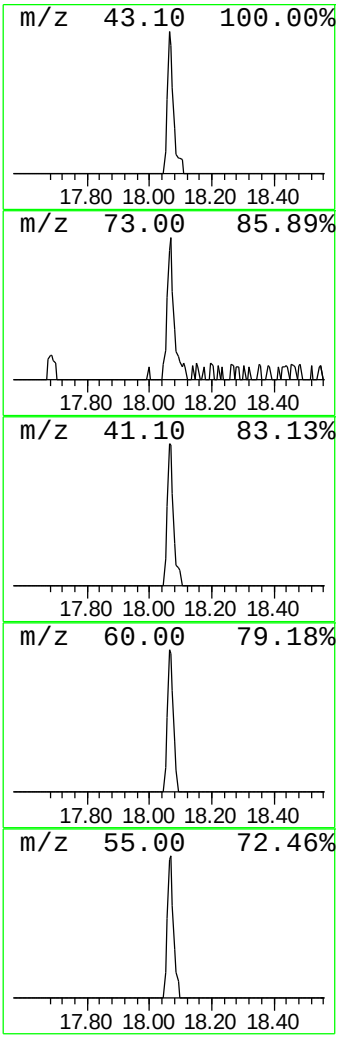
**********

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.06 | 2.46 ng/ul | 25661 | Phenanthrene-d10 | 17.18 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 81 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 74 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 64 |
| 5 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 59 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022721\
Data File : BM028928.D
Acq On : 26 Feb 2021 20:36
Operator : CG/JU
Sample : M1482-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DBGJ5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM022721MA.M
Quant Title : SVOA CALIBRATION

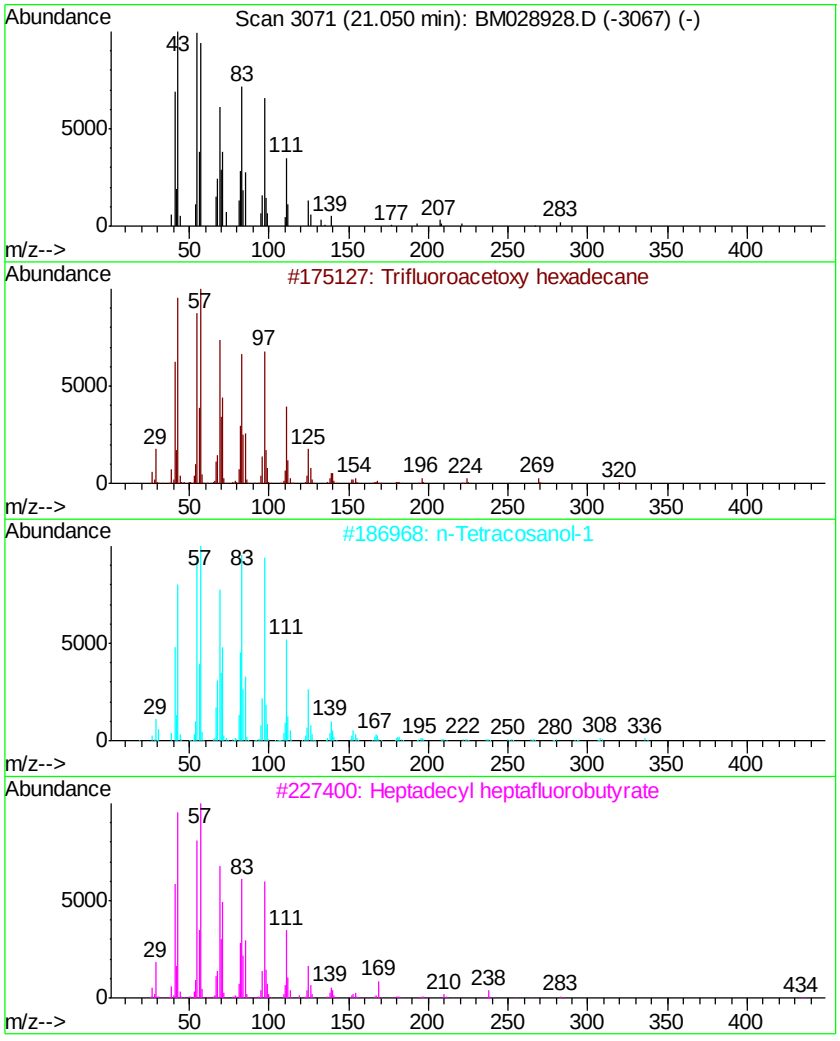
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

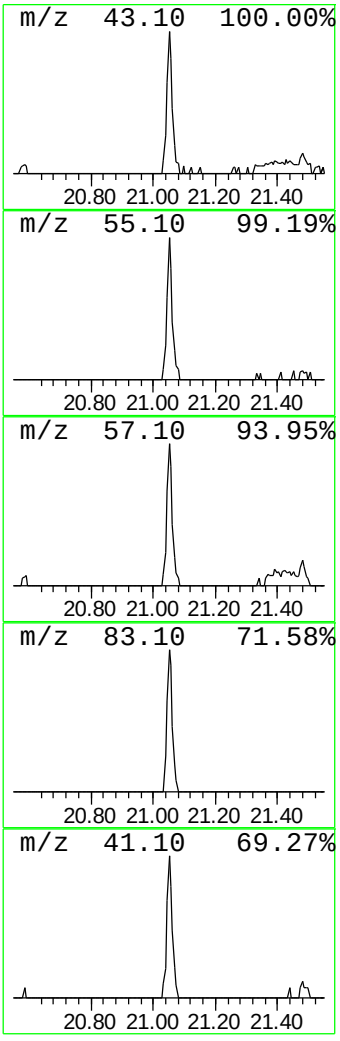
**********

Peak Number 4 Trifluoroacetoxy hexadecane Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.05 | 3.58 ng/ul | 37529 | Chrysene-d12 | 21.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 94 |
| 2 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 94 |
| 3 | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 91 |
| 4 | Heptadecyl trifluoroacetate | 352 | C19H35F3O2 | 1000351-87-0 | 91 |
| 5 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022721\
Data File : BM028928.D
Acq On : 26 Feb 2021 20:36
Operator : CG/JU
Sample : M1482-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DBGJ5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM022721MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Naphthalenecarb... | 14.58 | 4.1 | ng/ul | 37320 | 3 | 14.44 | 181998 | 20.0 |
| Naphtho[2,1-b]thi... | 17.00 | 3.9 | ng/ul | 40459 | 4 | 17.18 | 208997 | 20.0 |
| n-Hexadecanoic acid | 18.06 | 2.5 | ng/ul | 25661 | 4 | 17.18 | 208997 | 20.0 |
| Trifluoroacetoxy ... | 21.05 | 3.6 | ng/ul | 37529 | 5 | 21.34 | 209908 | 20.0 |