LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027057.D
Acq On : 13 Aug 2020 12:09
Operator : JU/CG
Sample : L3630-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM75

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-BM080720MA.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 | 3.699 | 117 | 121 | 127 | rBV | 28982 | 36577 | 1.19% | 0.086% |
| 2 | 3.828 | 138 | 143 | 148 | rVB | 17537 | 27157 | 0.88% | 0.064% |
| 3 | 4.128 | 190 | 194 | 201 | rBV | 82796 | 104172 | 3.38% | 0.244% |
| 4 | 4.528 | 257 | 262 | 271 | rBV | 56089 | 73085 | 2.37% | 0.171% |
| 5 | 6.816 | 644 | 651 | 662 | rBV2 | 340335 | 578560 | 18.75% | 1.357% |
| 6 | 6.981 | 671 | 679 | 688 | rBV | 242255 | 372109 | 12.06% | 0.873% |
| 7 | 7.175 | 705 | 712 | 721 | rBV | 352695 | 543477 | 17.62% | 1.275% |
| 8 | 7.251 | 721 | 725 | 731 | rBV | 27336 | 45839 | 1.49% | 0.108% |
| 9 | 7.640 | 784 | 791 | 798 | rBV | 363890 | 550764 | 17.85% | 1.292% |
| 10 | 8.340 | 904 | 910 | 918 | rBV | 379794 | 589838 | 19.12% | 1.384% |
| 11 | 8.781 | 977 | 985 | 992 | rBV | 316158 | 490119 | 15.89% | 1.150% |
| 12 | 9.498 | 1100 | 1107 | 1118 | rVB | 249746 | 391470 | 12.69% | 0.918% |
| 13 | 10.034 | 1190 | 1198 | 1208 | rBV | 432416 | 679451 | 22.02% | 1.594% |
| 14 | 10.410 | 1255 | 1262 | 1268 | rBV | 416454 | 680443 | 22.06% | 1.596% |
| 15 | 10.545 | 1277 | 1285 | 1295 | rBV | 279743 | 488243 | 15.83% | 1.146% |
| 16 | 13.192 | 1728 | 1735 | 1749 | rBV | 198216 | 292131 | 9.47% | 0.685% |
| 17 | 13.686 | 1814 | 1819 | 1823 | rVV | 658430 | 919072 | 29.79% | 2.156% |
| 18 | 13.733 | 1823 | 1827 | 1835 | rVB | 401717 | 535600 | 17.36% | 1.257% |
| 19 | 13.963 | 1859 | 1866 | 1878 | rBV | 749090 | 1134903 | 36.79% | 2.663% |
| 20 | 14.274 | 1912 | 1919 | 1925 | rBV | 608239 | 882217 | 28.60% | 2.070% |
| 21 | 14.333 | 1925 | 1929 | 1934 | rVV | 30560 | 44837 | 1.45% | 0.105% |
| 22 | 14.469 | 1945 | 1952 | 1964 | rBV | 284707 | 405511 | 13.14% | 0.951% |
| 23 | 14.674 | 1981 | 1987 | 1992 | rBV | 39926 | 56522 | 1.83% | 0.133% |
| 24 | 15.269 | 2082 | 2088 | 2094 | rBV | 884991 | 1205421 | 39.07% | 2.828% |
| 25 | 15.321 | 2094 | 2097 | 2102 | rVB2 | 46372 | 60102 | 1.95% | 0.141% |
| 26 | 15.386 | 2102 | 2108 | 2112 | rBV | 217366 | 295519 | 9.58% | 0.693% |
| 27 | 15.621 | 2143 | 2148 | 2153 | rBV | 23275 | 32281 | 1.05% | 0.076% |
| 28 | 15.769 | 2168 | 2173 | 2180 | rVV2 | 25401 | 52978 | 1.72% | 0.124% |
| 29 | 16.333 | 2266 | 2269 | 2274 | rVV5 | 12830 | 23367 | 0.76% | 0.055% |
| 30 | 16.557 | 2304 | 2307 | 2311 | rVV2 | 18106 | 26106 | 0.85% | 0.061% |
| 31 | 16.598 | 2311 | 2314 | 2318 | rVV3 | 18829 | 23720 | 0.77% | 0.056% |
| 32 | 16.668 | 2322 | 2326 | 2335 | rVB | 59493 | 95047 | 3.08% | 0.223% |
| 33 | 16.757 | 2335 | 2341 | 2347 | rBV4 | 21507 | 47569 | 1.54% | 0.112% |
| 34 | 16.833 | 2350 | 2354 | 2358 | rVB | 29493 | 43266 | 1.40% | 0.102% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027057.D
Acq On : 13 Aug 2020 12:09
Operator : JU/CG
Sample : L3630-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM75

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-BM080720MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 17.015 | 2379 | 2385 | 2389 | rBV | 753375 | 1084586 | 35.16% | 2.545% |
| 36 | 17.057 | 2389 | 2392 | 2397 | rVB | 774402 | 981821 | 31.83% | 2.304% |
| 37 | 17.115 | 2397 | 2402 | 2406 | rBV | 1037251 | 1447378 | 46.92% | 3.396% |
| 38 | 17.210 | 2413 | 2418 | 2425 | rVB4 | 29007 | 45763 | 1.48% | 0.107% |
| 39 | 17.415 | 2444 | 2453 | 2458 | rBV2 | 73180 | 134399 | 4.36% | 0.315% |
| 40 | 17.545 | 2471 | 2475 | 2479 | rVV3 | 20652 | 30345 | 0.98% | 0.071% |
| 41 | 17.598 | 2480 | 2484 | 2489 | rVB3 | 24616 | 31963 | 1.04% | 0.075% |
| 42 | 17.892 | 2524 | 2534 | 2538 | rBV | 130592 | 205976 | 6.68% | 0.483% |
| 43 | 17.939 | 2538 | 2542 | 2550 | rVV | 324866 | 448483 | 14.54% | 1.052% |
| 44 | 18.021 | 2550 | 2556 | 2561 | rVB2 | 49058 | 82957 | 2.69% | 0.195% |
| 45 | 18.080 | 2561 | 2566 | 2570 | rBV3 | 144425 | 254828 | 8.26% | 0.598% |
| 46 | 18.121 | 2570 | 2573 | 2579 | rVB | 96000 | 129632 | 4.20% | 0.304% |
| 47 | 18.239 | 2590 | 2593 | 2598 | rVV5 | 24158 | 35914 | 1.16% | 0.084% |
| 48 | 18.398 | 2615 | 2620 | 2623 | rBV | 97107 | 143566 | 4.65% | 0.337% |
| 49 | 18.433 | 2623 | 2626 | 2630 | rVB | 135525 | 167597 | 5.43% | 0.393% |
| 50 | 18.645 | 2659 | 2662 | 2667 | rVV2 | 38274 | 49109 | 1.59% | 0.115% |
| 51 | 18.698 | 2667 | 2671 | 2674 | rBV | 30245 | 36242 | 1.17% | 0.085% |
| 52 | 18.739 | 2674 | 2678 | 2682 | rVB2 | 35868 | 48100 | 1.56% | 0.113% |
| 53 | 18.815 | 2686 | 2691 | 2696 | rBV2 | 105948 | 175842 | 5.70% | 0.413% |
| 54 | 18.880 | 2696 | 2702 | 2705 | rBV2 | 53150 | 88320 | 2.86% | 0.207% |
| 55 | 18.909 | 2705 | 2707 | 2711 | rVB | 35428 | 35973 | 1.17% | 0.084% |
| 56 | 18.951 | 2711 | 2714 | 2724 | rVB2 | 91535 | 155598 | 5.04% | 0.365% |
| 57 | 19.039 | 2725 | 2729 | 2731 | rBV4 | 19400 | 29156 | 0.95% | 0.068% |
| 58 | 19.080 | 2731 | 2736 | 2742 | rVB | 1346995 | 1762007 | 57.12% | 4.134% |
| 59 | 19.180 | 2751 | 2753 | 2757 | rVB4 | 30711 | 35758 | 1.16% | 0.084% |
| 60 | 19.227 | 2757 | 2761 | 2765 | rBV2 | 87040 | 113293 | 3.67% | 0.266% |
| 61 | 19.280 | 2765 | 2770 | 2772 | rBV3 | 40469 | 62795 | 2.04% | 0.147% |
| 62 | 19.415 | 2787 | 2793 | 2796 | rBV | 1702596 | 2526429 | 81.90% | 5.928% |
| 63 | 19.445 | 2796 | 2798 | 2806 | rVB | 1184222 | 1296495 | 42.03% | 3.042% |
| 64 | 19.521 | 2806 | 2811 | 2817 | rVB3 | 68242 | 128356 | 4.16% | 0.301% |
| 65 | 19.627 | 2825 | 2829 | 2834 | rBV | 89402 | 125176 | 4.06% | 0.294% |
| 66 | 19.680 | 2835 | 2838 | 2844 | rVB | 72368 | 114357 | 3.71% | 0.268% |
| 67 | 19.768 | 2847 | 2853 | 2860 | rBV5 | 123714 | 340502 | 11.04% | 0.799% |
| 68 | 19.909 | 2873 | 2877 | 2879 | rBV3 | 86106 | 133368 | 4.32% | 0.313% |
| 69 | 19.945 | 2879 | 2883 | 2888 | rVB | 176643 | 266165 | 8.63% | 0.624% |
| 70 | 19.998 | 2888 | 2892 | 2896 | rBV5 | 27369 | 48784 | 1.58% | 0.114% |
| 71 | 20.045 | 2896 | 2900 | 2904 | rBV2 | 92590 | 121201 | 3.93% | 0.284% |

LSC Area Percent Report

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Acq On : 13 Aug 2020 12:09
Operator : JU/CG
Sample : L3630-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM75

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-BM080720MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 20.098 | 2904 | 2909 | 2914 | rBV3 | 186766 | 292637 | 9.49% | 0.687% |
| 73 | 20.145 | 2914 | 2917 | 2920 | rVB4 | 35746 | 40923 | 1.33% | 0.096% |
| 74 | 20.186 | 2921 | 2924 | 2929 | rVB2 | 36690 | 45128 | 1.46% | 0.106% |
| 75 | 20.239 | 2930 | 2933 | 2937 | rBV | 91688 | 114005 | 3.70% | 0.267% |
| 76 | 20.286 | 2937 | 2941 | 2944 | rBV2 | 95898 | 154063 | 4.99% | 0.361% |
| 77 | 20.351 | 2950 | 2952 | 2955 | rVB3 | 46127 | 41301 | 1.34% | 0.097% |
| 78 | 20.498 | 2974 | 2977 | 2980 | rBV4 | 46956 | 74088 | 2.40% | 0.174% |
| 79 | 20.692 | 3006 | 3010 | 3018 | rVB | 204390 | 280791 | 9.10% | 0.659% |
| 80 | 20.856 | 3032 | 3038 | 3042 | rBV2 | 131108 | 273211 | 8.86% | 0.641% |
| 81 | 20.898 | 3042 | 3045 | 3048 | rVV | 151133 | 183803 | 5.96% | 0.431% |
| 82 | 20.951 | 3048 | 3054 | 3058 | rVV4 | 462937 | 704609 | 22.84% | 1.653% |
| 83 | 20.986 | 3058 | 3060 | 3069 | rVB | 206895 | 283844 | 9.20% | 0.666% |
| 84 | 21.162 | 3086 | 3090 | 3092 | rBV2 | 77917 | 110600 | 3.59% | 0.259% |
| 85 | 21.209 | 3092 | 3098 | 3102 | rVV3 | 1641846 | 3084947 | 100.00% | 7.238% |
| 86 | 21.250 | 3102 | 3105 | 3116 | rVB | 917238 | 1207717 | 39.15% | 2.834% |
| 87 | 21.368 | 3122 | 3125 | 3127 | rBV2 | 68721 | 83346 | 2.70% | 0.196% |
| 88 | 21.521 | 3147 | 3151 | 3157 | rBV3 | 164554 | 263717 | 8.55% | 0.619% |
| 89 | 21.762 | 3189 | 3192 | 3196 | rVB | 243827 | 281948 | 9.14% | 0.662% |
| 90 | 21.809 | 3197 | 3200 | 3204 | rBV3 | 149093 | 262395 | 8.51% | 0.616% |
| 91 | 21.950 | 3221 | 3224 | 3227 | rBV | 114277 | 135644 | 4.40% | 0.318% |
| 92 | 22.756 | 3356 | 3361 | 3366 | rBV | 799079 | 1885877 | 61.13% | 4.425% |
| 93 | 22.921 | 3385 | 3389 | 3396 | rVB | 181781 | 288630 | 9.36% | 0.677% |
| 94 | 23.227 | 3436 | 3441 | 3444 | rBV | 449351 | 745000 | 24.15% | 1.748% |
| 95 | 23.274 | 3444 | 3449 | 3453 | rVV | 1192054 | 2107910 | 68.33% | 4.946% |
| 96 | 23.321 | 3453 | 3457 | 3465 | rVB | 727614 | 1282717 | 41.58% | 3.010% |
| 97 | 23.415 | 3466 | 3473 | 3478 | rBV2 | 859460 | 1684273 | 54.60% | 3.952% |
| 98 | 23.980 | 3566 | 3569 | 3576 | rVB | 185889 | 323520 | 10.49% | 0.759% |
| 99 | 24.056 | 3578 | 3582 | 3590 | rVB5 | 173634 | 347470 | 11.26% | 0.815% |
| 100 | 25.603 | 3838 | 3845 | 3856 | rVB3 | 429472 | 1291447 | 41.86% | 3.030% |

Sum of corrected areas: 42621268

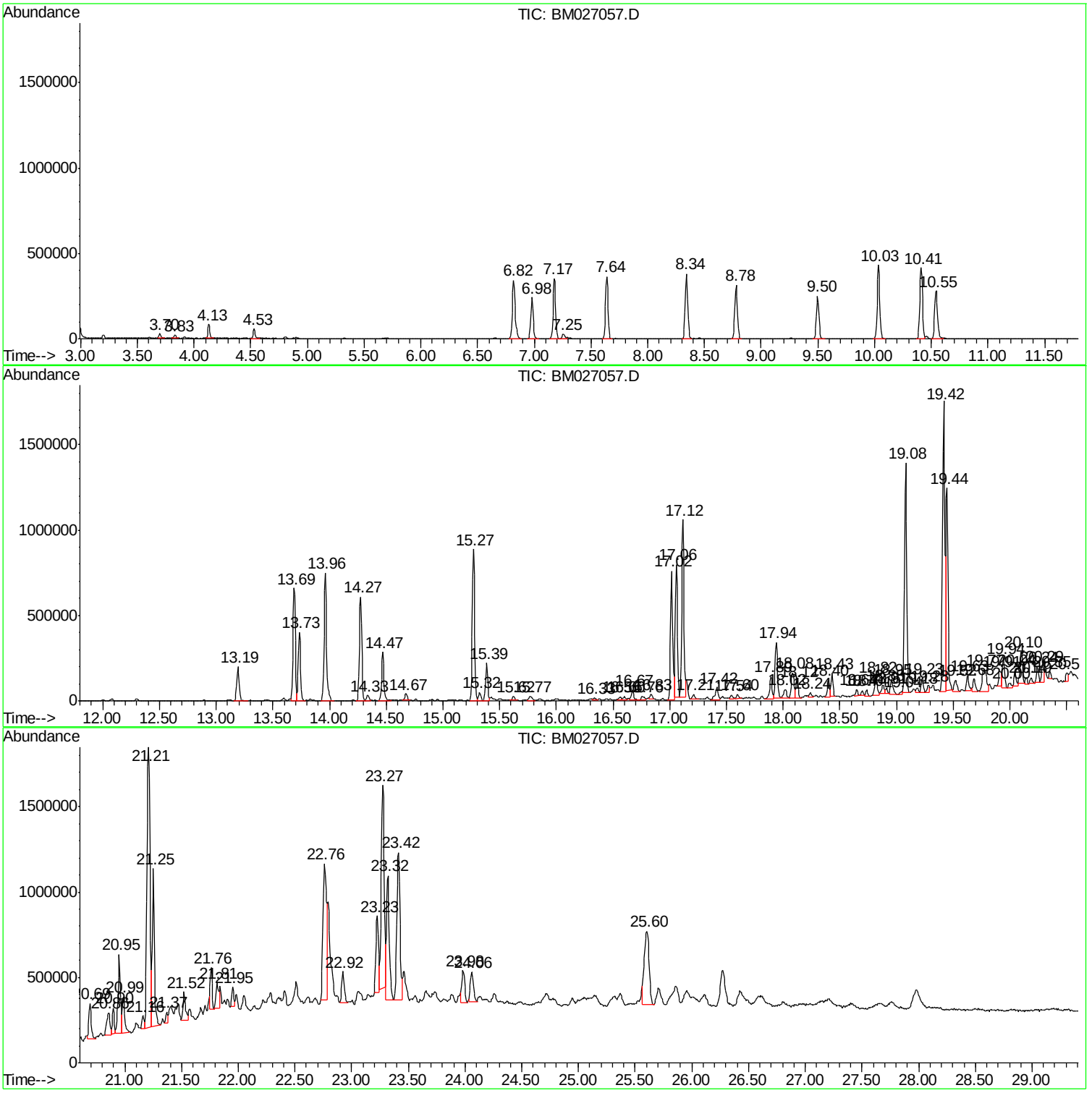
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027057.D
Acq On : 13 Aug 2020 12:09
Operator : JU/CG
Sample : L3630-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM75

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027057.D
Acq On : 13 Aug 2020 12:09
Operator : JU/CG
Sample : L3630-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM75

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

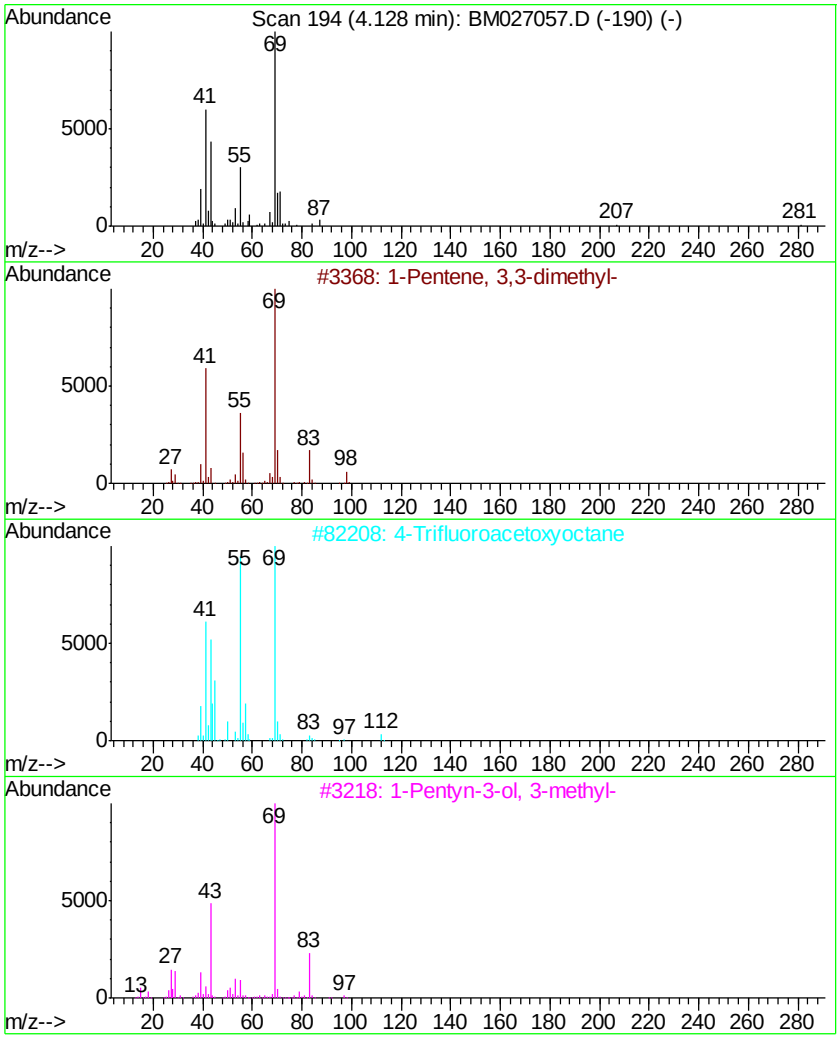
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

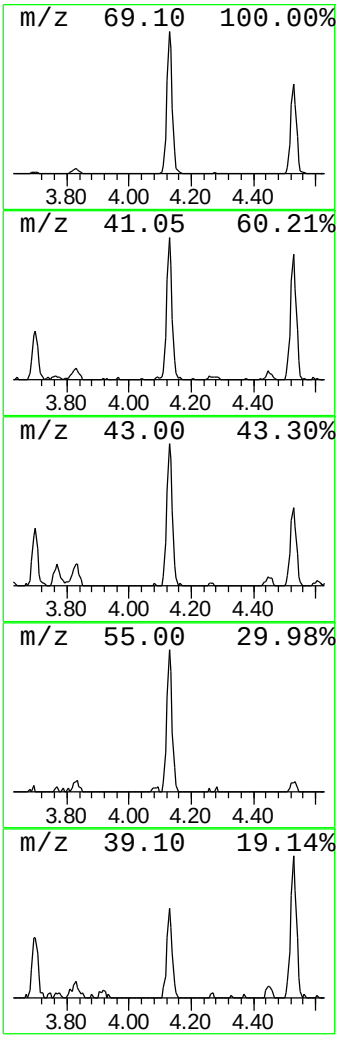
**********

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.13 | 3.78 ng/ul | 104172 | 1,4-Dichlorobenzene-d4 | 7.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Pentene, 3,3-dimethyl- | 98 | C7H14 | 003404-73-7 | 50 |
| 2 | 4-Trifluoroacetoxyoctane | 226 | C10H17F3O2 | 116465-17-9 | 50 |
| 3 | 1-Pentyn-3-ol, 3-methyl- | 98 | C6H10O | 000077-75-8 | 45 |
| 4 | 1-Pentene, 2,3-dimethyl- | 98 | C7H14 | 003404-72-6 | 42 |
| 5 | 1,5-Heptadiene, 3,3,5-trimethyl- | 138 | C10H18 | 074630-29-8 | 38 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027057.D
Acq On : 13 Aug 2020 12:09
Operator : JU/CG
Sample : L3630-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM75

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

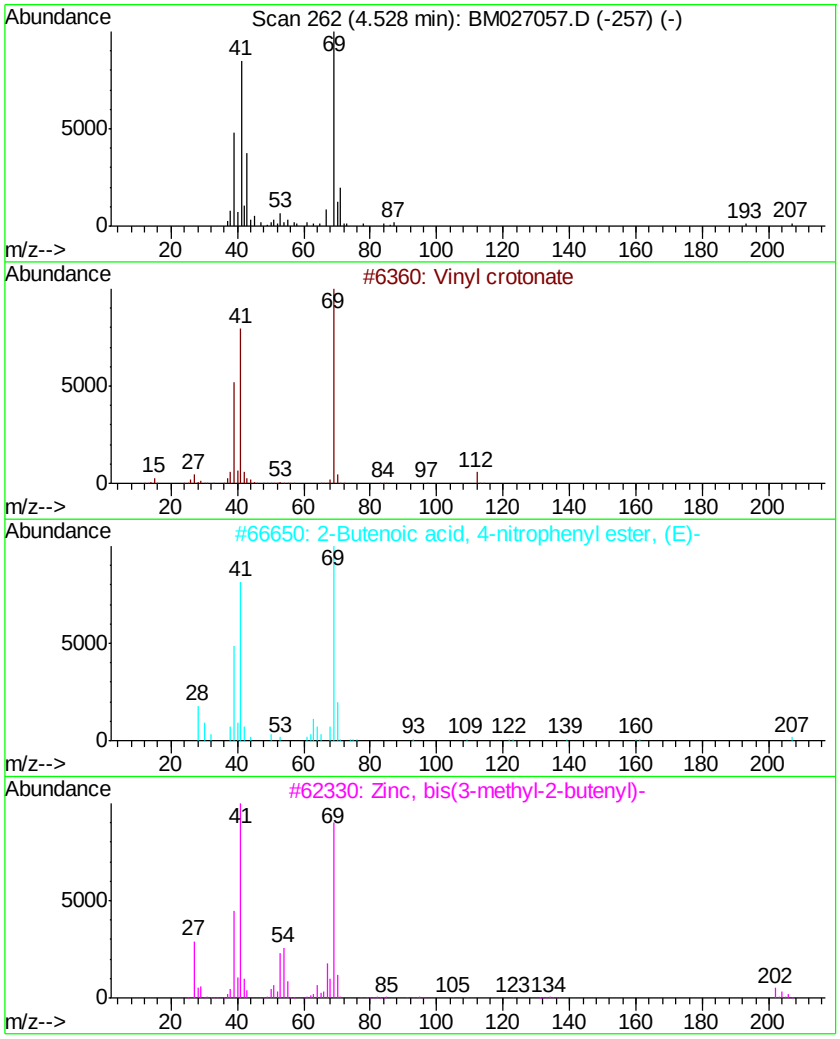
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

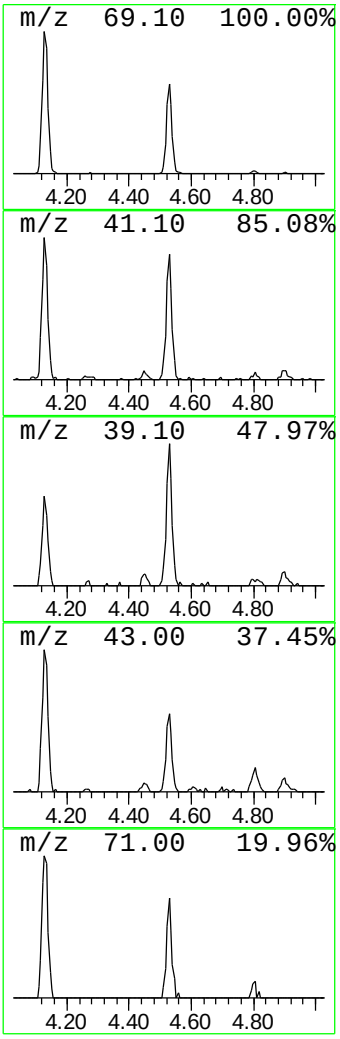
**********

Peak Number 2 Vinyl crotonate Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.53 | 2.65 ng/ul | 73085 | 1,4-Dichlorobenzene-d4 | 7.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Vinyl crotonate | 112 | C6H8O2 | 014861-06-4 | 50 |
| 2 | 2-Butenoic acid, 4-nitrophenyl e... | 207 | C10H9NO4 | 014617-88-0 | 50 |
| 3 | Zinc, bis(3-methyl-2-butenyl)- | 202 | C10H18Zn | 066094-28-8 | 40 |
| 4 | 2-Propenoic acid, 2-methyl-, 1-m... | 128 | C7H12O2 | 004655-34-9 | 38 |
| 5 | Cyclopropanecarboxylic acid, 5-f... | 225 | C10H8FNO4 | 1000278-66-5 | 38 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027057.D
Acq On : 13 Aug 2020 12:09
Operator : JU/CG
Sample : L3630-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM75

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

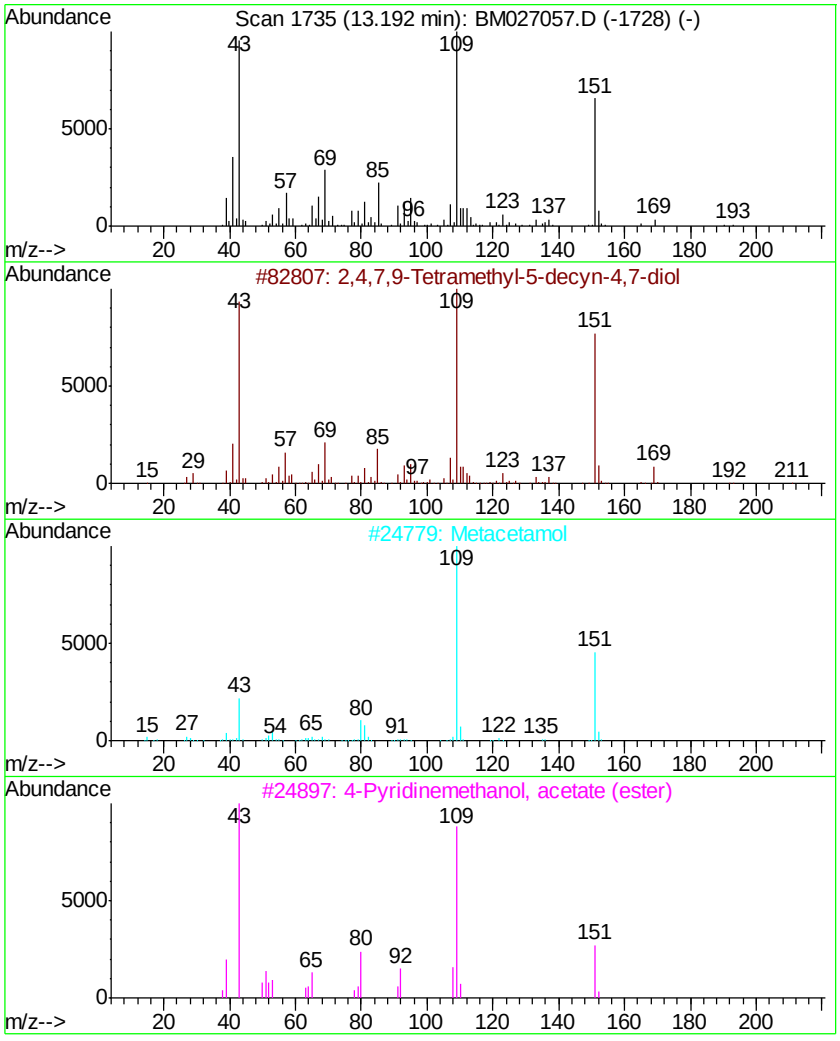
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

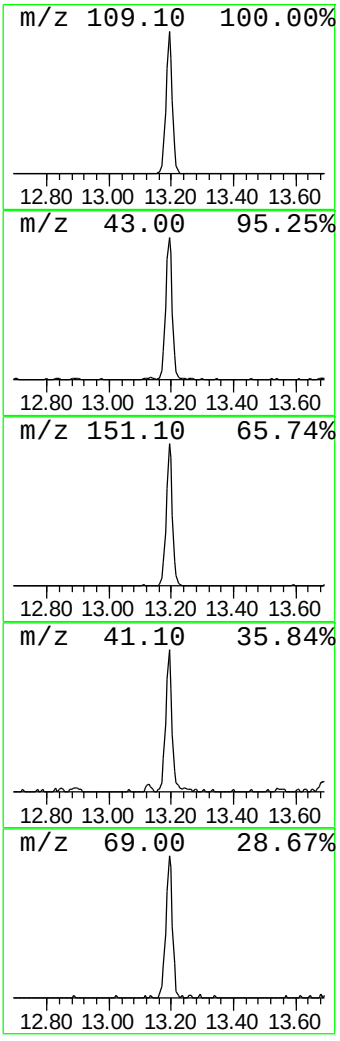
**********

Peak Number 3 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.19 | 6.62 ng/ul | 292131 | Acenaphthene-d10 | 14.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4,7,9-Tetramethyl-5-decyn-4,7-... | 226 | C14H26O2 | 000126-86-3 | 90 |
| 2 | Metacetamol | 151 | C8H9NO2 | 000621-42-1 | 52 |
| 3 | 4-Pyridinemethanol, acetate (ester) | 151 | C8H9NO2 | 001007-48-3 | 50 |
| 4 | 2-Propenal, 3-(2,2,6-trimethyl-7... | 194 | C12H18O2 | 055759-91-6 | 50 |
| 5 | Pyridine, 2-butyl-, 1-oxide | 151 | C9H13NO | 031396-32-4 | 50 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027057.D
Acq On : 13 Aug 2020 12:09
Operator : JU/CG
Sample : L3630-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM75

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

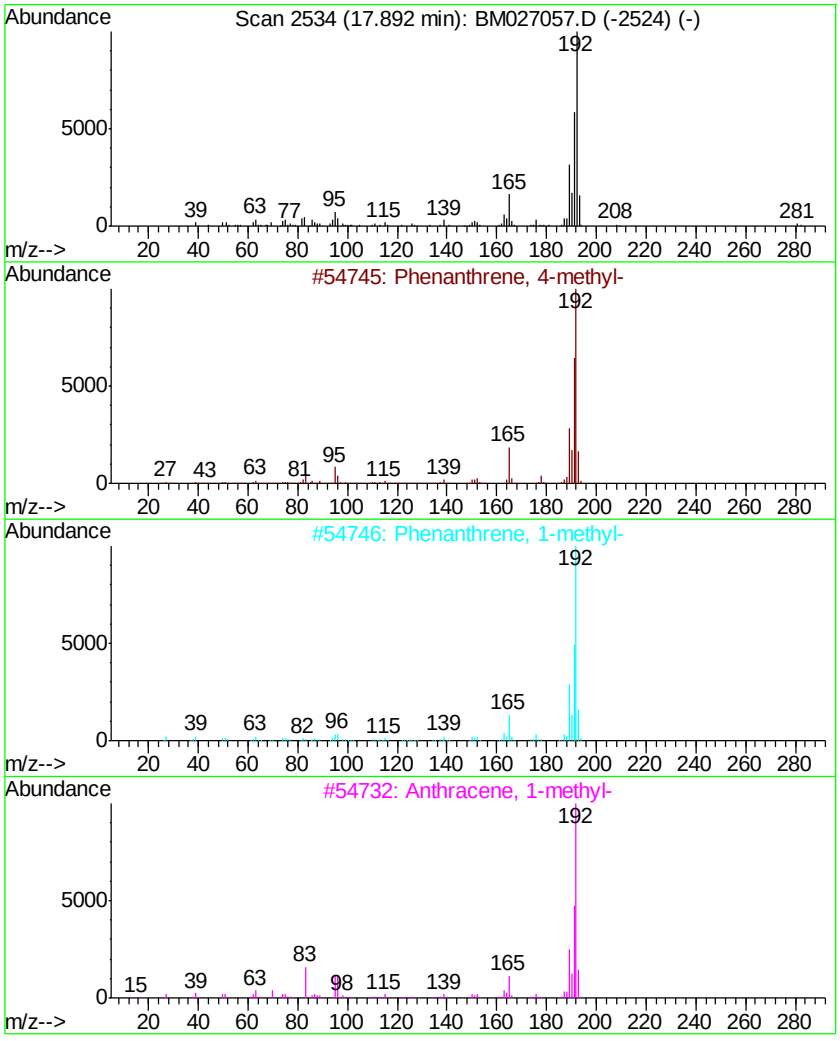
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

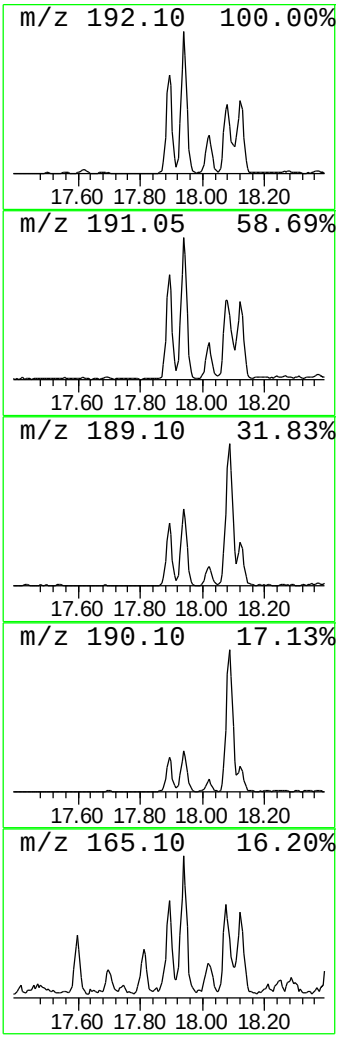
**********

Peak Number 4 Phenanthrene, 4-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.89 | 3.80 ng/ul | 205976 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 93 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 91 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 91 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 91 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027057.D
Acq On : 13 Aug 2020 12:09
Operator : JU/CG
Sample : L3630-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM75

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

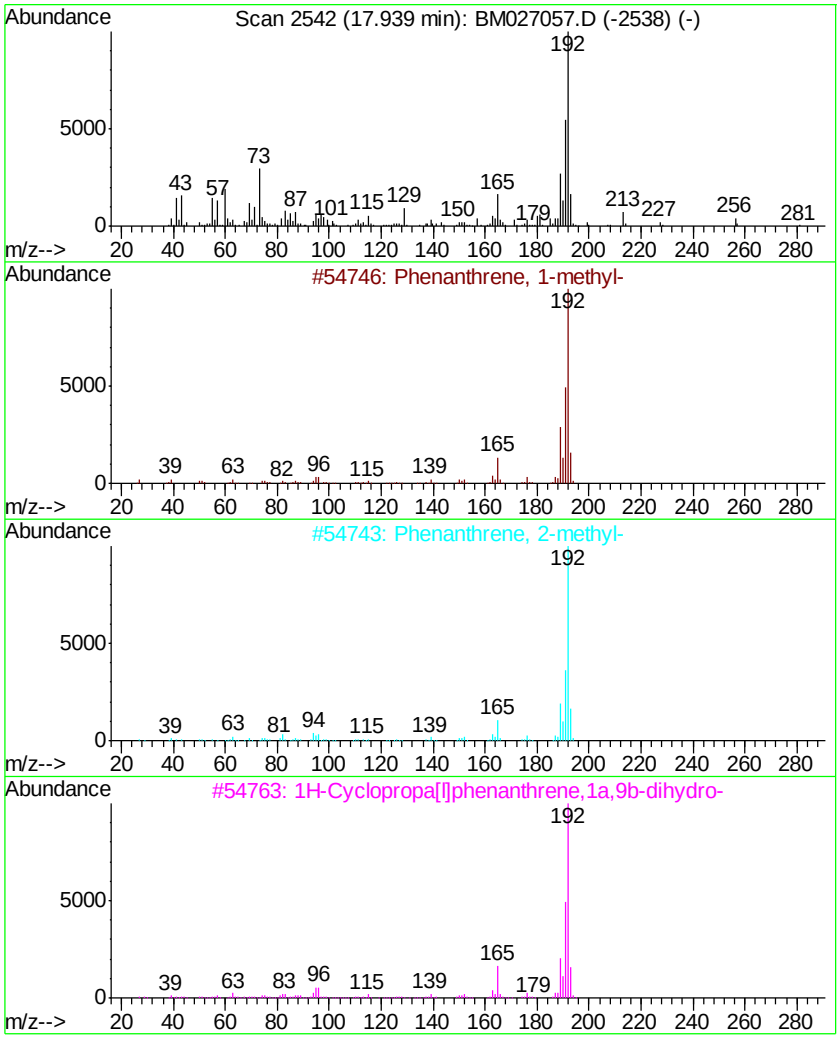
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

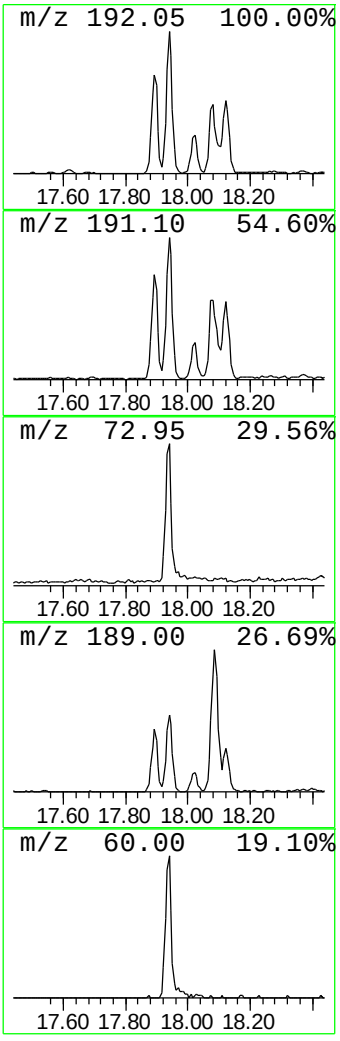
**********

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.94 | 8.27 ng/ul | 448483 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 97 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 96 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |
| 5 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 93 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027057.D
Acq On : 13 Aug 2020 12:09
Operator : JU/CG
Sample : L3630-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM75

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

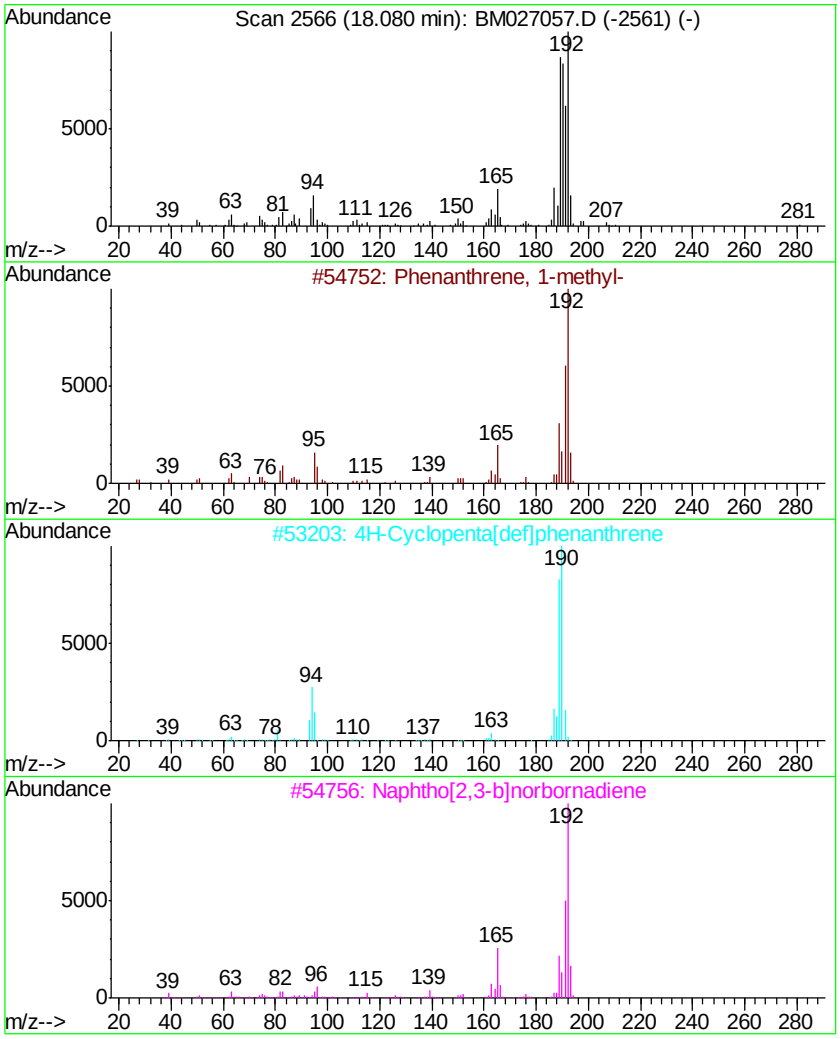
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

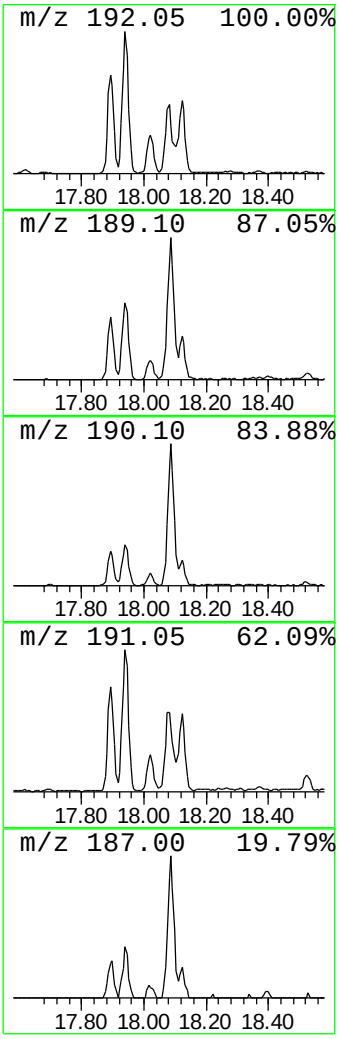
**********

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.08 | 4.70 ng/ul | 254828 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 60 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 53 |
| 3 | Naphtho[2,3-b]norbornadiene | 192 | C15H12 | 107426-38-0 | 46 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 42 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 41 |



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Data File : BM027057.D
Acq On : 13 Aug 2020 12:09
Operator : JU/CG
Sample : L3630-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM75

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

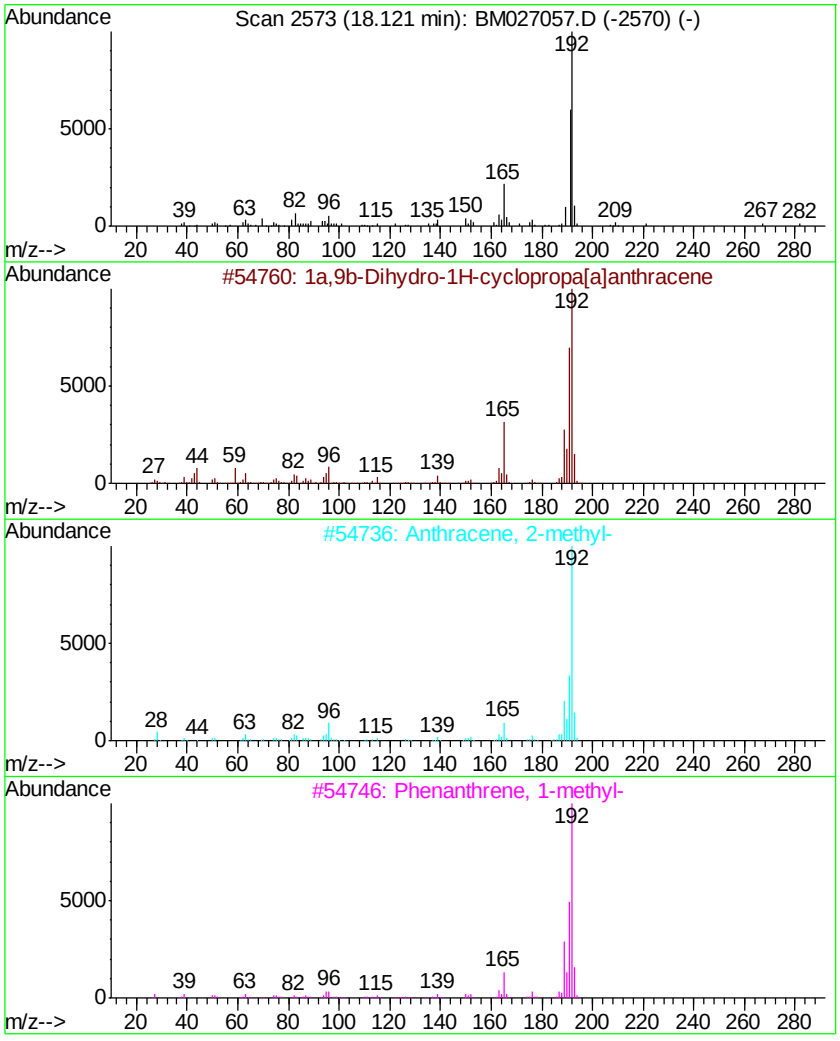
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

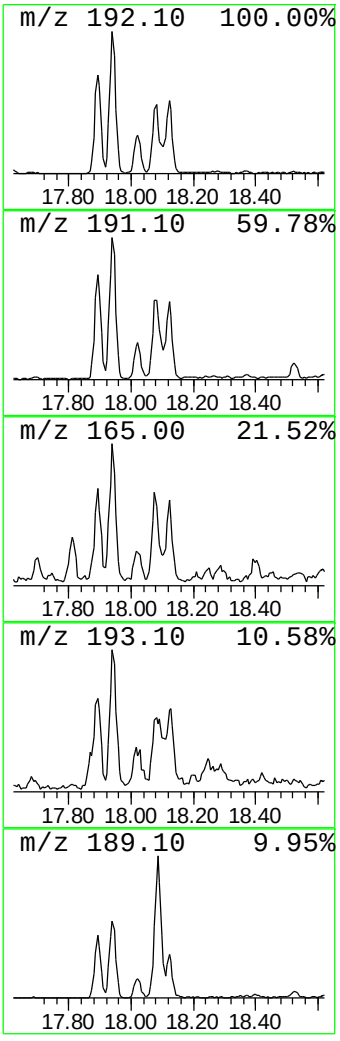
**********

Peak Number 7 1a,9b-Dihydro-1H-cyclopropa... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.12 | 2.39 ng/ul | 129632 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1a,9b-Dihydro-1H-cyclopropa[a]an... | 192 | C15H12 | 006109-24-6 | 87 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 81 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 81 |
| 4 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 80 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 80 |



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Data File : BM027057.D
Acq On : 13 Aug 2020 12:09
Operator : JU/CG
Sample : L3630-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM75

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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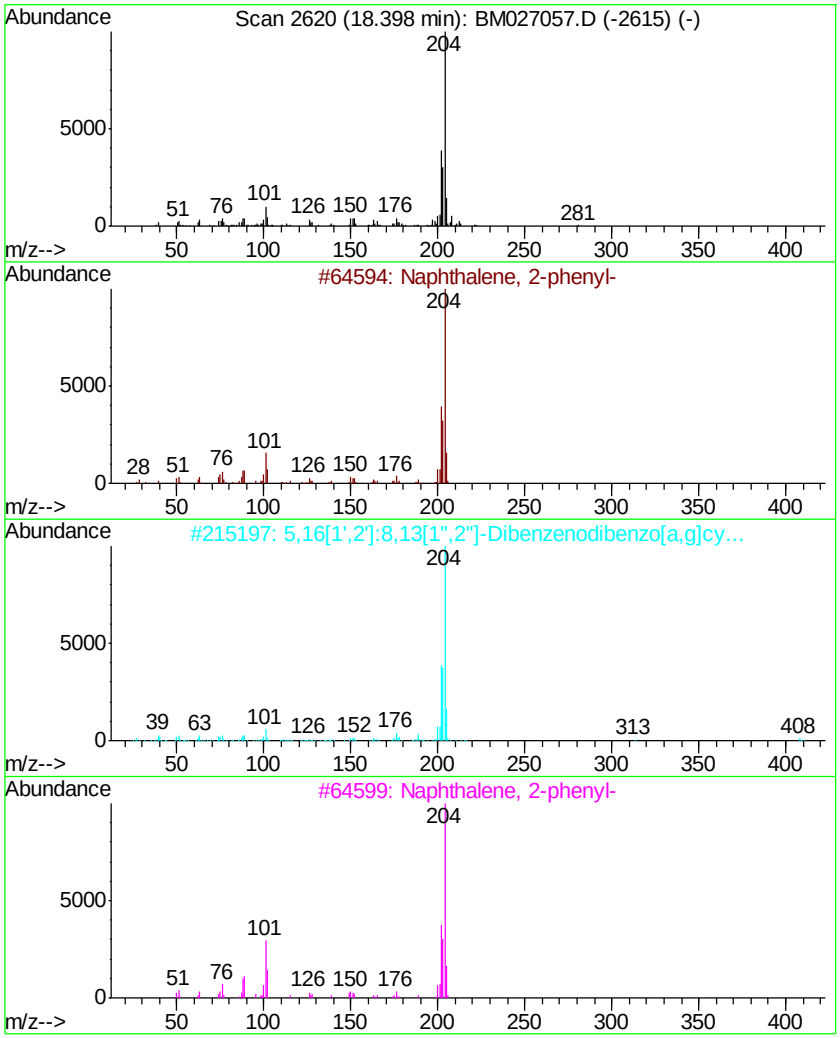
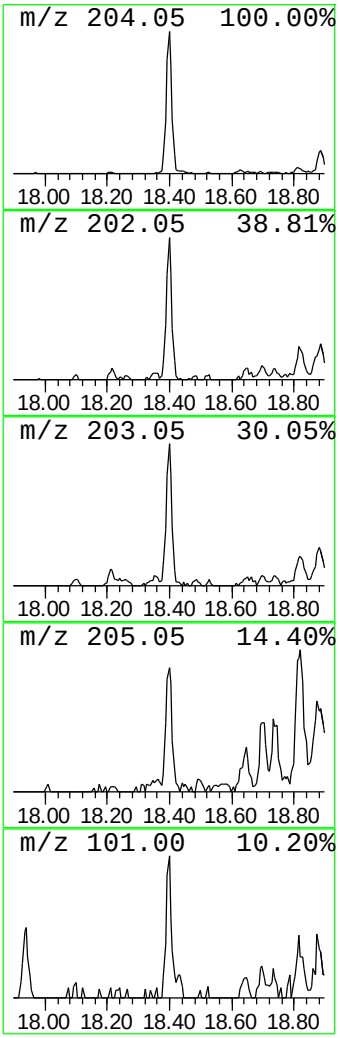
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.40 | 2.65 ng/ul | 143566 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 94 |
| 2 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 86 |
| 3 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 70 |
| 4 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 70 |
| 5 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 70 |



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Data File : BM027057.D
Acq On : 13 Aug 2020 12:09
Operator : JU/CG
Sample : L3630-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM75

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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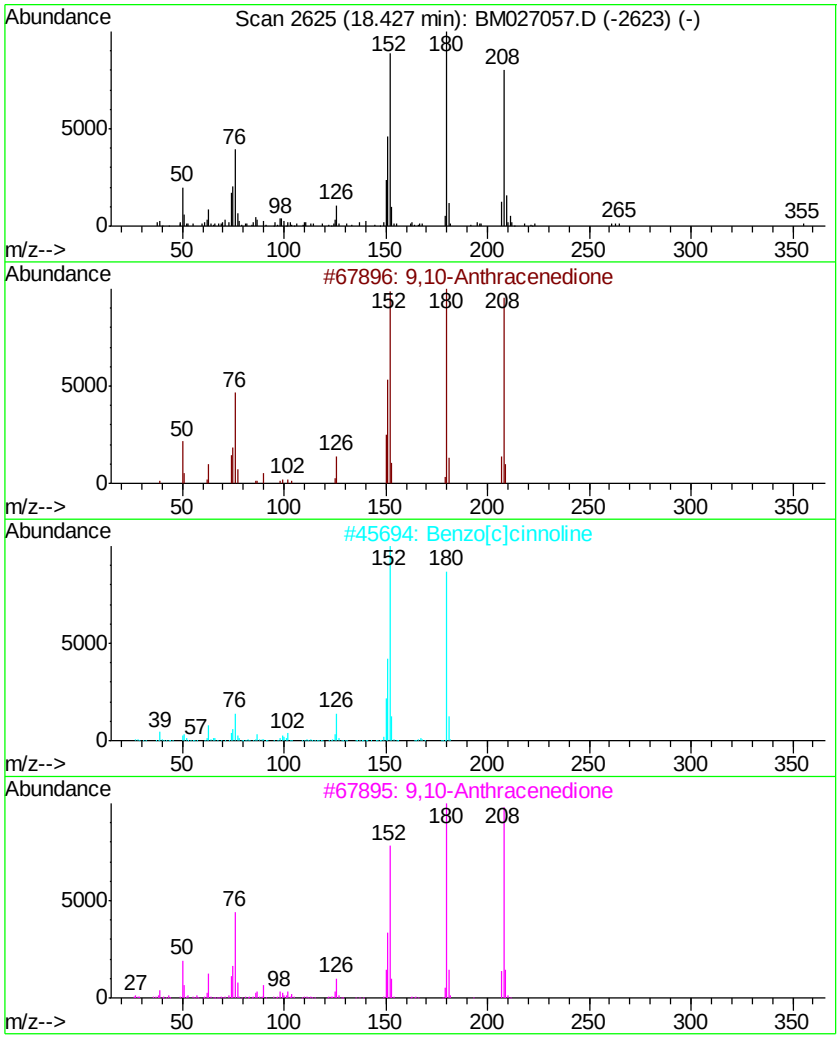
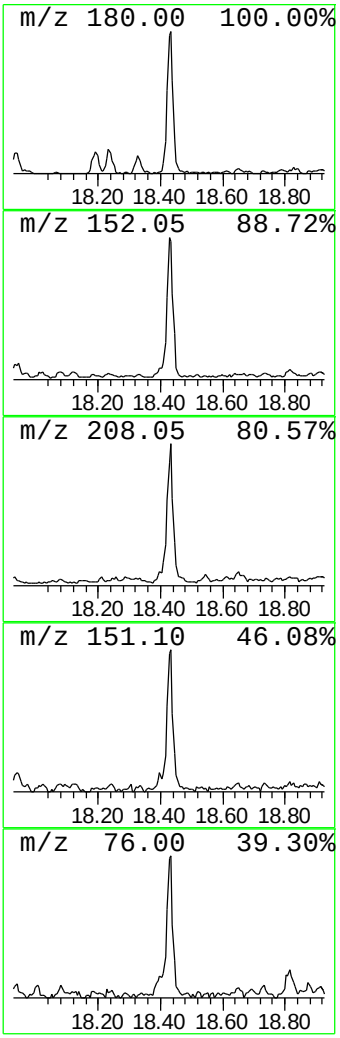
Peak Number 9 9,10-Anthracenedione Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.43 | 3.09 ng/ul | 167597 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 95 |
| 2 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 95 |
| 3 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 93 |
| 4 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 93 |
| 5 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 58 |



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Data File : BM027057.D
Acq On : 13 Aug 2020 12:09
Operator : JU/CG
Sample : L3630-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM75

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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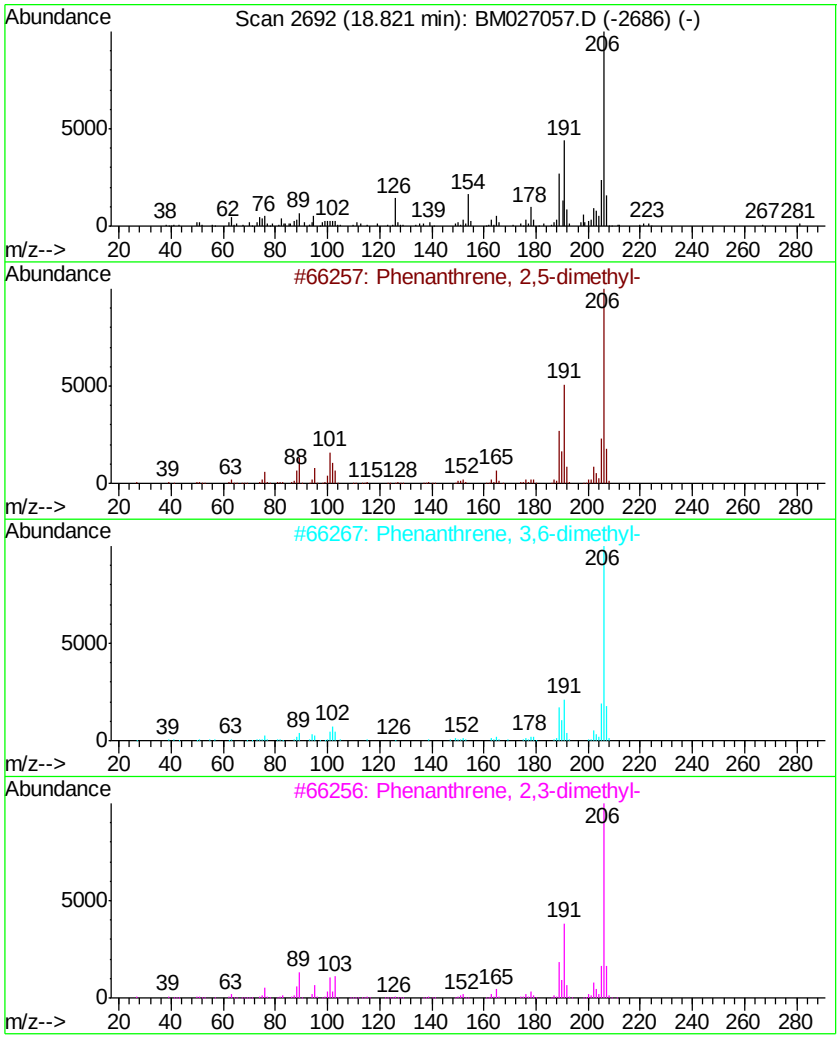
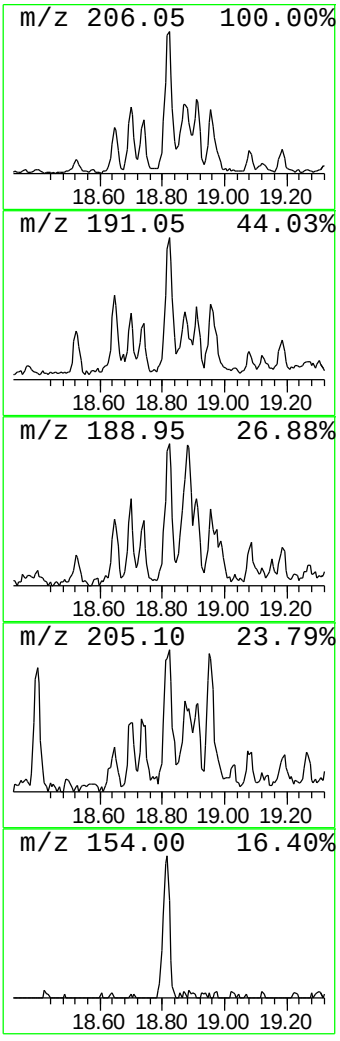
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.82 | 3.24 ng/ul | 175842 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 93 |
| 2 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 90 |
| 3 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 89 |
| 4 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 83 |
| 5 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 83 |



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Acq On : 13 Aug 2020 12:09
Operator : JU/CG
Sample : L3630-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM75

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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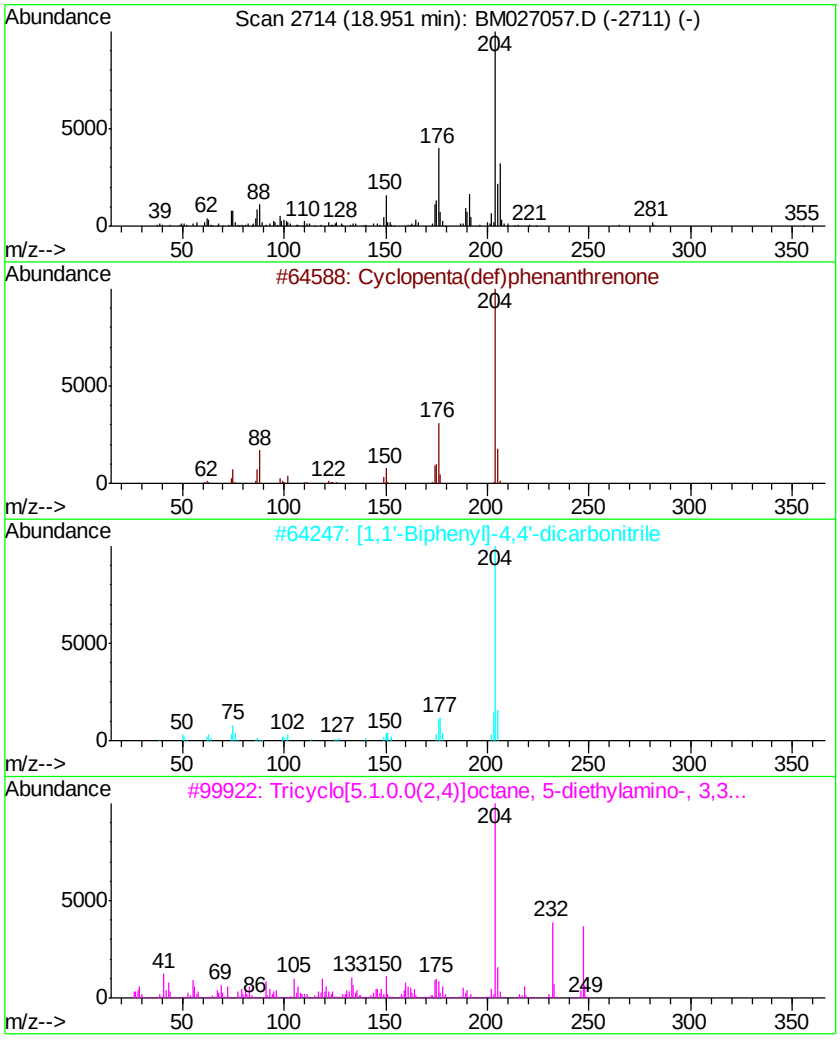
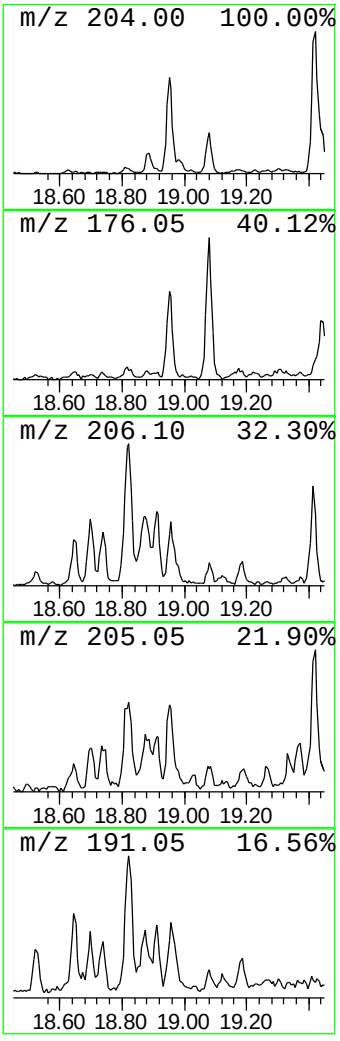
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.95 | 2.87 ng/ul | 155598 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 90 |
| 2 | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2 | 001591-30-6 | 50 |
| 3 | Tricyclo[5.1.0.0(2,4)]octane, 5-... | 247 | C17H29N | 1000063-59-3 | 47 |
| 4 | [1,1'-Biphenyl]-2-ol, 5-chloro- | 204 | C12H9ClO | 000607-12-5 | 46 |
| 5 | 1,2,4,8-Tetramethylbicyclo[6.3.0... | 204 | C15H24 | 137235-51-9 | 45 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027057.D
Acq On : 13 Aug 2020 12:09
Operator : JU/CG
Sample : L3630-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM75

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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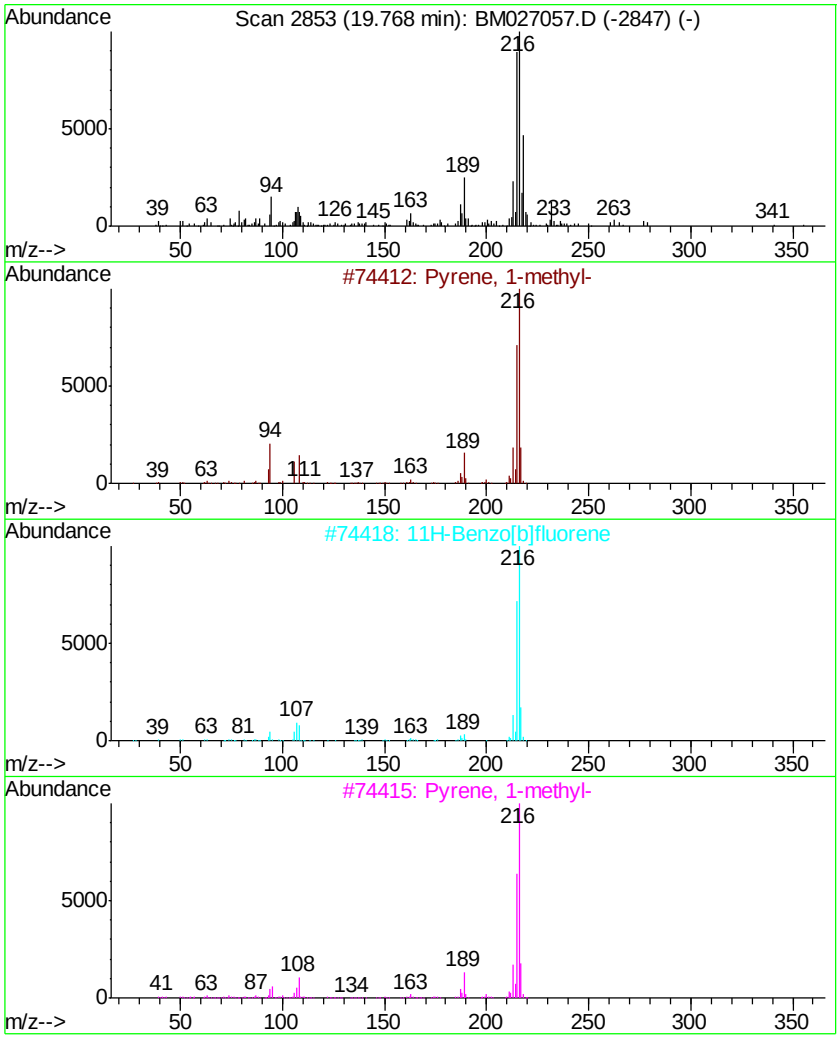
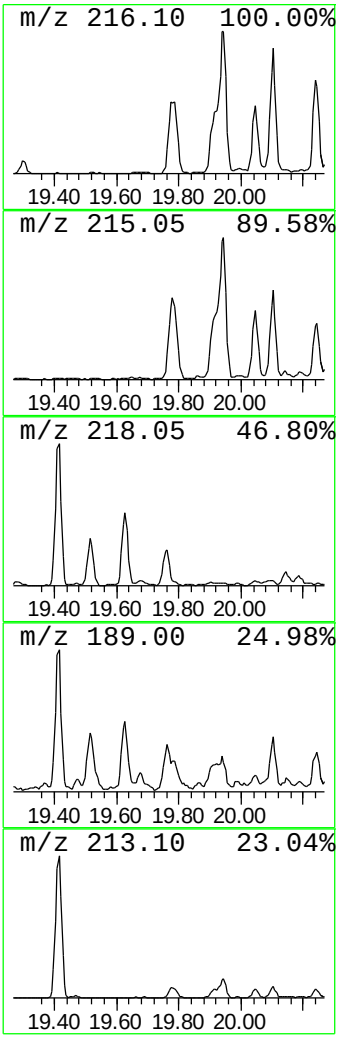
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.77 | 2.21 ng/ul | 340502 | Chrysene-d12 | 21.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 86 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 86 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 86 |
| 4 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 78 |
| 5 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 76 |



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Data File : BM027057.D
Acq On : 13 Aug 2020 12:09
Operator : JU/CG
Sample : L3630-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM75

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

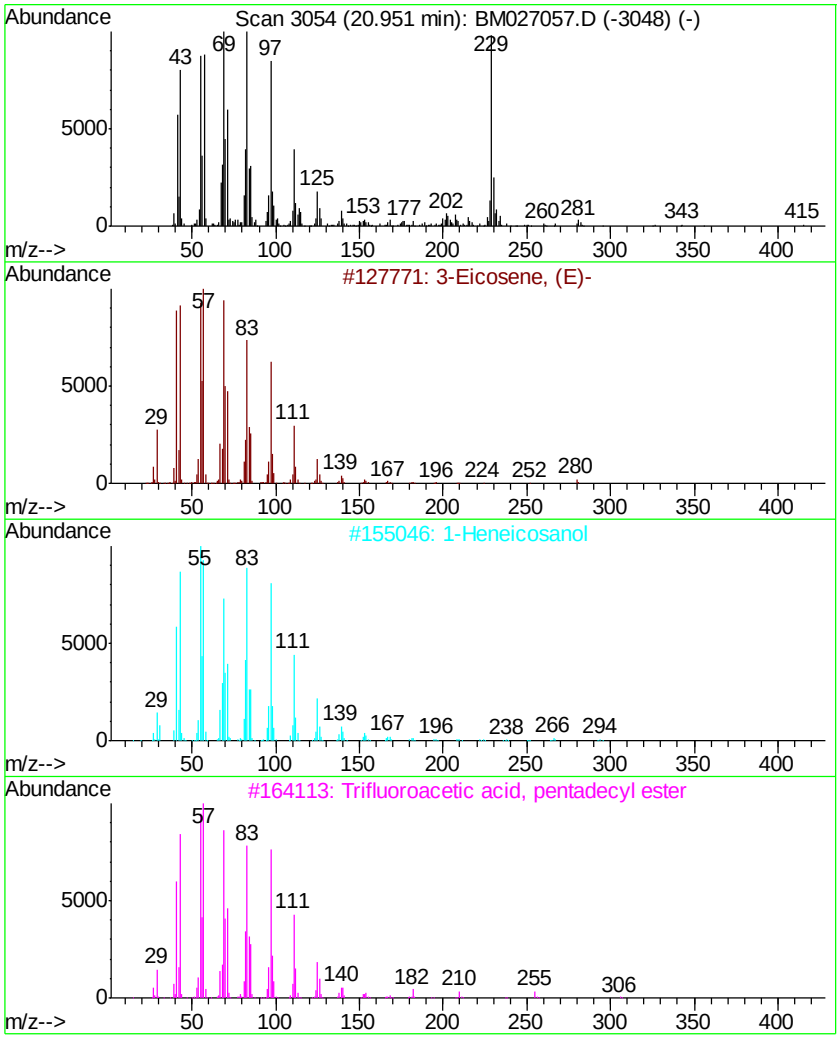
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

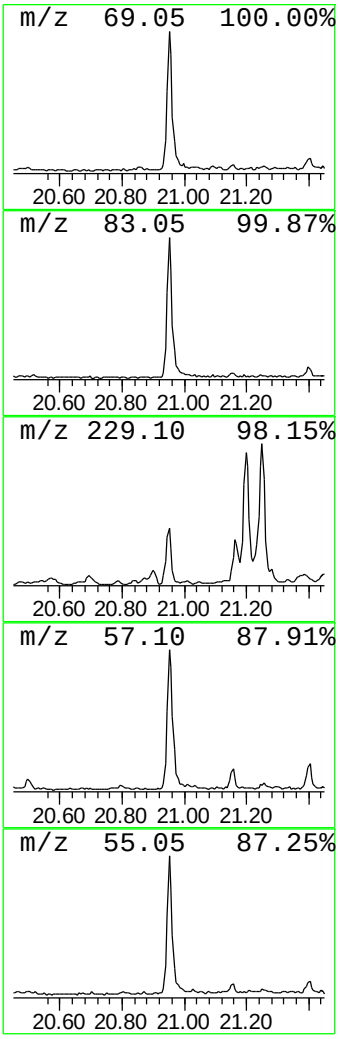
**********

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.95 | 4.57 ng/ul | 704609 | Chrysene-d12 | 21.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 99 |
| 2 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 90 |
| 3 | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2 | 959010-23-2 | 83 |
| 4 | 3-Chloropropionic acid, heptadec... | 346 | C20H39ClO2 | 1000283-05-1 | 76 |
| 5 | 1-Hexadecanol | 242 | C16H34O | 036653-82-4 | 76 |



# Library Search Compound Report

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Operator : JU/CG
Sample : L3630-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM75

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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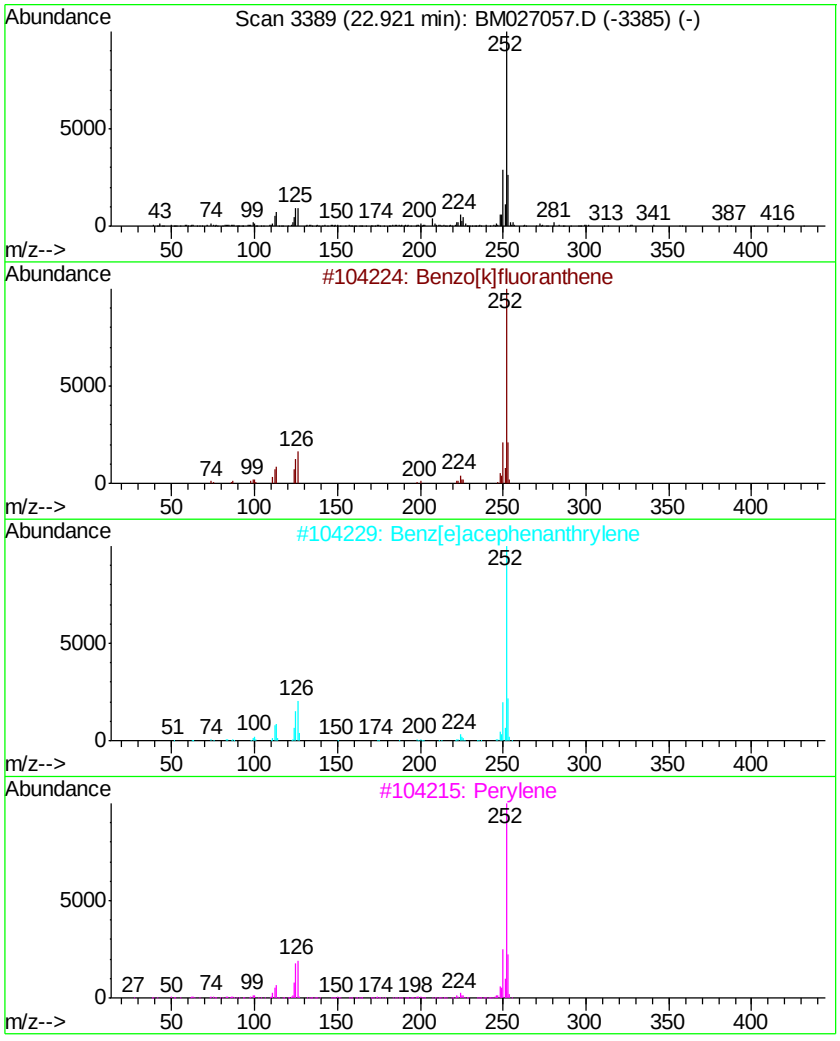
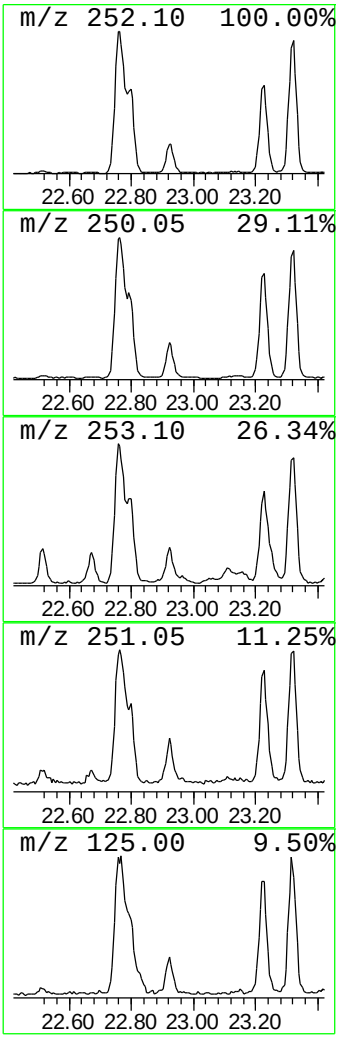
Peak Number 14 Perylene Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.92 | 3.43 ng/ul | 288630 | Perylene-d12 | 23.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 95 |
| 2 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 91 |
| 3 | Perylene | 252 | C20H12 | 000198-55-0 | 90 |
| 4 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 89 |
| 5 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 89 |



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Data File : BM027057.D
Acq On : 13 Aug 2020 12:09
Operator : JU/CG
Sample : L3630-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM75

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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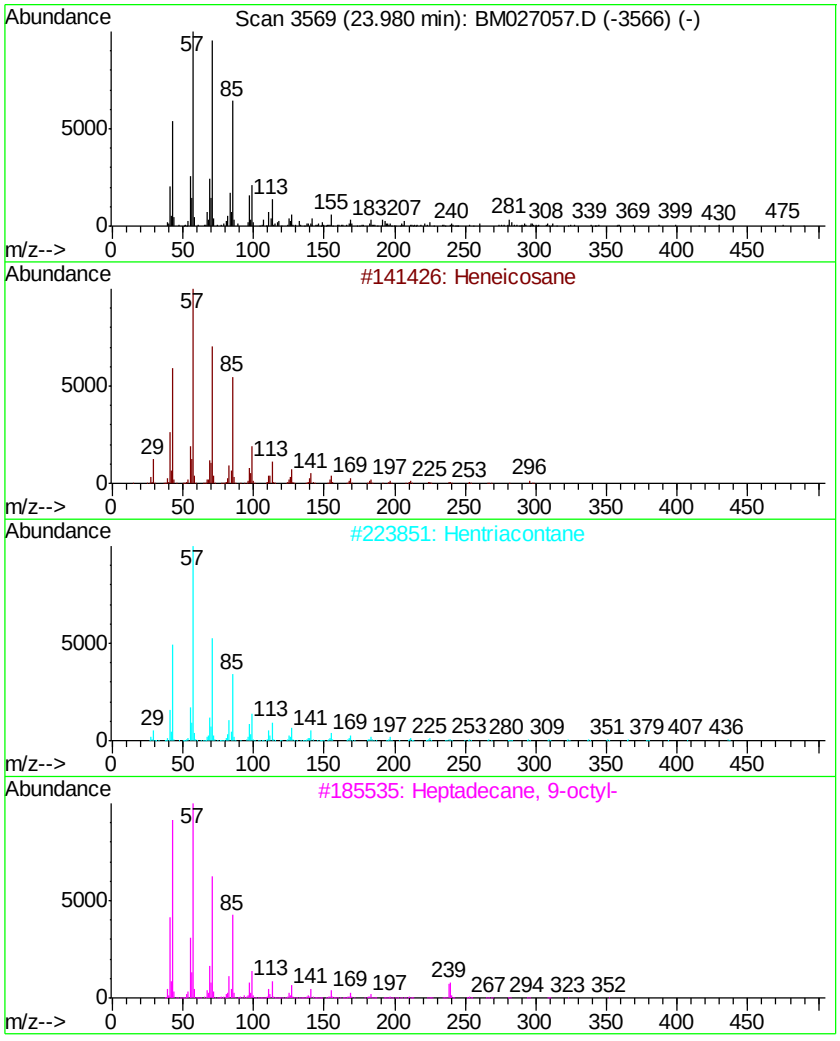
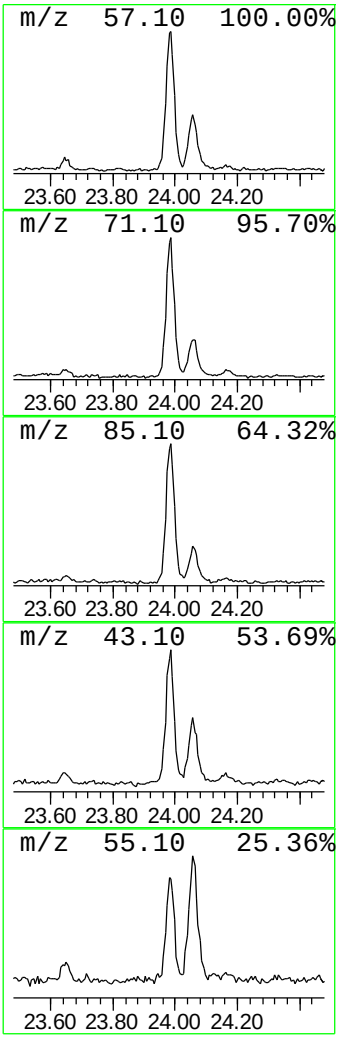
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.98 | 3.84 ng/ul | 323520 | Perylene-d12 | 23.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 94 |
| 2 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 80 |
| 3 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 80 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 80 |
| 5 | Dodecane, 4-methyl- | 184 | C13H28 | 006117-97-1 | 72 |



Library Search Compound Report

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Data File : BM027057.D
Acq On : 13 Aug 2020 12:09
Operator : JU/CG
Sample : L3630-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM75

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

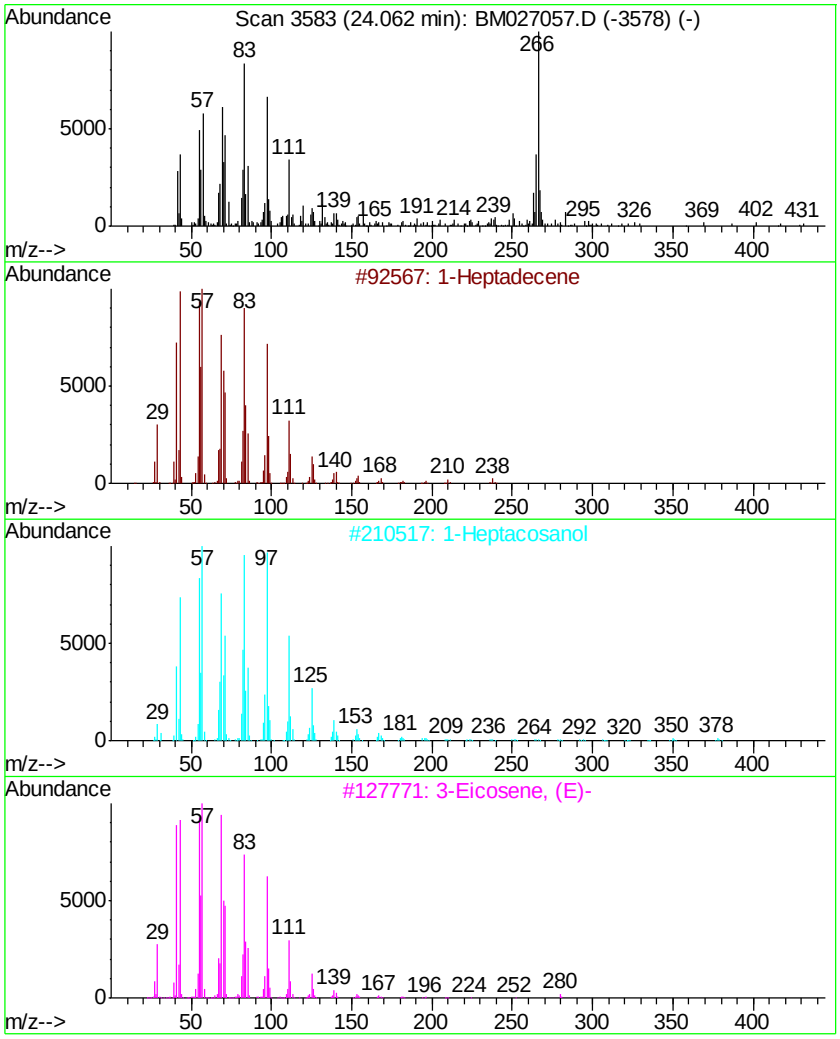
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

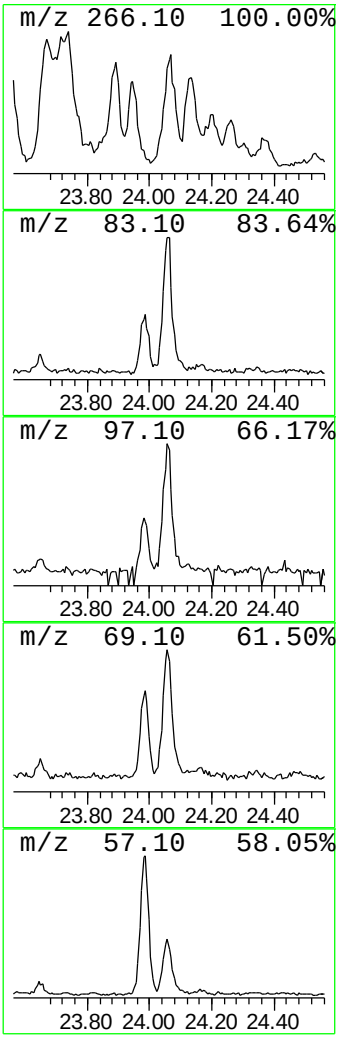
**********

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.06 | 4.13 ng/ul | 347470 | Perylene-d12 | 23.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Heptadecene | 238 | C17H34 | 006765-39-5 | 83 |
| 2 | 1-Heptacosanol | 396 | C27H56O | 002004-39-9 | 80 |
| 3 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 60 |
| 4 | 1-Iododec-1-ene | 266 | C10H19I | 1000192-68-7 | 60 |
| 5 | Pyridine-3-carboxamide, oxime, N... | 281 | C13H10F3N3O | 288246-53-7 | 53 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081320\
Data File : BM027057.D
Acq On : 13 Aug 2020 12:09
Operator : JU/CG
Sample : L3630-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM75

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.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 |
| (DEL) Alkane: Str... | 4.13 | 3.8 | ng/ul | 104172 | 1 | 7.64 | 550764 | 20.0 |
| Vinyl crotonate | 4.53 | 2.6 | ng/ul | 73085 | 1 | 7.64 | 550764 | 20.0 |
| 2,4,7,9-Tetrameth... | 13.19 | 6.6 | ng/ul | 292131 | 3 | 14.27 | 882217 | 20.0 |
| Phenanthrene, 4-m... | 17.89 | 3.8 | ng/ul | 205976 | 4 | 17.02 | 1084590 | 20.0 |
| Phenanthrene, 1-m... | 17.94 | 8.3 | ng/ul | 448483 | 4 | 17.02 | 1084590 | 20.0 |
| 4H-Cyclopenta[def... | 18.08 | 4.7 | ng/ul | 254828 | 4 | 17.02 | 1084590 | 20.0 |
| 1a,9b-Dihydro-1H-... | 18.12 | 2.4 | ng/ul | 129632 | 4 | 17.02 | 1084590 | 20.0 |
| Naphthalene, 2-ph... | 18.40 | 2.6 | ng/ul | 143566 | 4 | 17.02 | 1084590 | 20.0 |
| 9,10-Anthracenedione | 18.43 | 3.1 | ng/ul | 167597 | 4 | 17.02 | 1084590 | 20.0 |
| Phenanthrene, 2,5... | 18.82 | 3.2 | ng/ul | 175842 | 4 | 17.02 | 1084590 | 20.0 |
| Cyclopenta(def)ph... | 18.95 | 2.9 | ng/ul | 155598 | 4 | 17.02 | 1084590 | 20.0 |
| Pyrene, 1-methyl- | 19.77 | 2.2 | ng/ul | 340502 | 5 | 21.22 | 3084950 | 20.0 |
| (DEL) Alkane: Str... | 20.95 | 4.6 | ng/ul | 704609 | 5 | 21.22 | 3084950 | 20.0 |
| Perylene | 22.92 | 3.4 | ng/ul | 288630 | 6 | 23.42 | 1684270 | 20.0 |
| (DEL) Alkane: Str... | 23.98 | 3.8 | ng/ul | 323520 | 6 | 23.42 | 1684270 | 20.0 |
| (DEL) Alkane: Str... | 24.06 | 4.1 | ng/ul | 347470 | 6 | 23.42 | 1684270 | 20.0 |