LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009652.D
Acq On : 07 Feb 2020 18:38
Operator : CG/JU
Sample : L1324-18DL 30X
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** GAT73DL

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_N\METHODS\SOM-EPA-BN020320MA.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 | 7.434 | 749 | 756 | 765 | rBV | 610644 | 963610 | 12.16% | 1.579% |
| 2 | 10.181 | 1215 | 1223 | 1232 | rBV | 847818 | 1372138 | 17.32% | 2.249% |
| 3 | 11.716 | 1473 | 1484 | 1494 | rVB4 | 18805 | 54991 | 0.69% | 0.090% |
| 4 | 13.522 | 1782 | 1791 | 1799 | rBV3 | 58076 | 140842 | 1.78% | 0.231% |
| 5 | 13.622 | 1804 | 1808 | 1813 | rVV2 | 61437 | 87097 | 1.10% | 0.143% |
| 6 | 13.787 | 1826 | 1836 | 1845 | rBV | 509997 | 814028 | 10.27% | 1.334% |
| 7 | 14.004 | 1868 | 1873 | 1878 | rBV | 63382 | 94664 | 1.19% | 0.155% |
| 8 | 14.069 | 1878 | 1884 | 1891 | rVV2 | 1187311 | 1750247 | 22.09% | 2.869% |
| 9 | 14.134 | 1891 | 1895 | 1900 | rVB2 | 64117 | 93794 | 1.18% | 0.154% |
| 10 | 14.481 | 1947 | 1954 | 1963 | rVB3 | 26995 | 60099 | 0.76% | 0.098% |
| 11 | 14.557 | 1963 | 1967 | 1972 | rVB | 44721 | 58733 | 0.74% | 0.096% |
| 12 | 14.698 | 1983 | 1991 | 1997 | rBV3 | 71743 | 149370 | 1.88% | 0.245% |
| 13 | 14.957 | 2030 | 2035 | 2040 | rBV2 | 101092 | 171765 | 2.17% | 0.282% |
| 14 | 15.040 | 2041 | 2049 | 2051 | rBV3 | 41116 | 76203 | 0.96% | 0.125% |
| 15 | 15.075 | 2051 | 2055 | 2060 | rVB | 99122 | 141965 | 1.79% | 0.233% |
| 16 | 15.151 | 2060 | 2068 | 2078 | rVB4 | 57994 | 155151 | 1.96% | 0.254% |
| 17 | 15.251 | 2078 | 2085 | 2094 | rBV2 | 73753 | 146273 | 1.85% | 0.240% |
| 18 | 15.340 | 2094 | 2100 | 2102 | rBV5 | 36706 | 70084 | 0.88% | 0.115% |
| 19 | 15.828 | 2176 | 2183 | 2186 | rBV2 | 101352 | 189520 | 2.39% | 0.311% |
| 20 | 16.139 | 2233 | 2236 | 2241 | rVB3 | 43652 | 58817 | 0.74% | 0.096% |
| 21 | 16.192 | 2241 | 2245 | 2249 | rVB3 | 44714 | 69417 | 0.88% | 0.114% |
| 22 | 16.287 | 2256 | 2261 | 2268 | rVB3 | 47022 | 81399 | 1.03% | 0.133% |
| 23 | 16.622 | 2314 | 2318 | 2321 | rVV | 71096 | 106913 | 1.35% | 0.175% |
| 24 | 16.828 | 2347 | 2353 | 2356 | rBV | 1325911 | 1911180 | 24.12% | 3.132% |
| 25 | 16.869 | 2356 | 2360 | 2365 | rVV | 436289 | 617753 | 7.80% | 1.012% |
| 26 | 16.928 | 2365 | 2370 | 2371 | rVV | 49659 | 74196 | 0.94% | 0.122% |
| 27 | 16.957 | 2371 | 2375 | 2381 | rVV | 332974 | 469186 | 5.92% | 0.769% |
| 28 | 17.022 | 2382 | 2386 | 2392 | rVB6 | 48629 | 88688 | 1.12% | 0.145% |
| 29 | 17.275 | 2425 | 2429 | 2434 | rVV6 | 31427 | 56459 | 0.71% | 0.093% |
| 30 | 17.351 | 2438 | 2442 | 2447 | rVV2 | 221350 | 315177 | 3.98% | 0.517% |
| 31 | 17.404 | 2447 | 2451 | 2459 | rVB | 100364 | 156503 | 1.97% | 0.256% |
| 32 | 17.516 | 2466 | 2470 | 2473 | rBV2 | 74514 | 117579 | 1.48% | 0.193% |
| 33 | 17.628 | 2485 | 2489 | 2496 | rBV5 | 32528 | 73923 | 0.93% | 0.121% |
| 34 | 17.704 | 2497 | 2502 | 2506 | rVV | 229819 | 354512 | 4.47% | 0.581% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009652.D
Acq On : 07 Feb 2020 18:38
Operator : CG/JU
Sample : L1324-18DL 30X
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** GAT73DL

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_N\METHODS\SOM-EPA-BN020320MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 17.751 | 2506 | 2510 | 2518 | rVB | 366536 | 522741 | 6.60% | 0.857% |
| 36 | 17.834 | 2518 | 2524 | 2528 | rBV | 106232 | 159106 | 2.01% | 0.261% |
| 37 | 17.892 | 2528 | 2534 | 2538 | rBV2 | 1081911 | 1696932 | 21.41% | 2.781% |
| 38 | 17.933 | 2538 | 2541 | 2545 | rVB | 271688 | 343901 | 4.34% | 0.564% |
| 39 | 18.022 | 2552 | 2556 | 2559 | rBV3 | 60740 | 89816 | 1.13% | 0.147% |
| 40 | 18.051 | 2559 | 2561 | 2566 | rVV2 | 45585 | 64004 | 0.81% | 0.105% |
| 41 | 18.104 | 2566 | 2570 | 2574 | rVB | 68150 | 92576 | 1.17% | 0.152% |
| 42 | 18.169 | 2574 | 2581 | 2583 | rBV3 | 46377 | 87008 | 1.10% | 0.143% |
| 43 | 18.210 | 2583 | 2588 | 2591 | rVV2 | 342893 | 481333 | 6.07% | 0.789% |
| 44 | 18.257 | 2591 | 2596 | 2607 | rVB2 | 612690 | 931886 | 11.76% | 1.527% |
| 45 | 18.433 | 2621 | 2626 | 2628 | rBV2 | 75009 | 107945 | 1.36% | 0.177% |
| 46 | 18.463 | 2628 | 2631 | 2635 | rVV2 | 73187 | 92240 | 1.16% | 0.151% |
| 47 | 18.510 | 2635 | 2639 | 2643 | rVV | 88287 | 116073 | 1.46% | 0.190% |
| 48 | 18.551 | 2643 | 2646 | 2651 | rVB | 104239 | 135965 | 1.72% | 0.223% |
| 49 | 18.633 | 2652 | 2660 | 2665 | rBV2 | 428287 | 689967 | 8.71% | 1.131% |
| 50 | 18.698 | 2665 | 2671 | 2674 | rVV2 | 282445 | 474862 | 5.99% | 0.778% |
| 51 | 18.728 | 2674 | 2676 | 2680 | rVB | 141625 | 138579 | 1.75% | 0.227% |
| 52 | 18.775 | 2680 | 2684 | 2692 | rBV | 587872 | 985972 | 12.44% | 1.616% |
| 53 | 18.898 | 2697 | 2705 | 2712 | rVB | 3394466 | 4694035 | 59.23% | 7.693% |
| 54 | 18.969 | 2713 | 2717 | 2720 | rBV | 133908 | 185999 | 2.35% | 0.305% |
| 55 | 19.004 | 2720 | 2723 | 2726 | rVV5 | 71765 | 93957 | 1.19% | 0.154% |
| 56 | 19.051 | 2726 | 2731 | 2736 | rVB | 645825 | 855124 | 10.79% | 1.401% |
| 57 | 19.110 | 2736 | 2741 | 2744 | rBV3 | 219126 | 309429 | 3.90% | 0.507% |
| 58 | 19.139 | 2744 | 2746 | 2748 | rVV | 100018 | 112640 | 1.42% | 0.185% |
| 59 | 19.169 | 2748 | 2751 | 2757 | rVB | 139108 | 226264 | 2.86% | 0.371% |
| 60 | 19.263 | 2757 | 2767 | 2777 | rBV | 5585717 | 7924560 | 100.00% | 12.988% |
| 61 | 19.351 | 2777 | 2782 | 2787 | rVB4 | 161486 | 274338 | 3.46% | 0.450% |
| 62 | 19.439 | 2794 | 2797 | 2801 | rBV2 | 59837 | 79796 | 1.01% | 0.131% |
| 63 | 19.504 | 2804 | 2808 | 2815 | rVB5 | 103044 | 193058 | 2.44% | 0.316% |
| 64 | 19.598 | 2819 | 2824 | 2835 | rBV | 421708 | 892815 | 11.27% | 1.463% |
| 65 | 19.686 | 2835 | 2839 | 2842 | rBV2 | 133646 | 174431 | 2.20% | 0.286% |
| 66 | 19.733 | 2842 | 2847 | 2850 | rBV4 | 382713 | 732645 | 9.25% | 1.201% |
| 67 | 19.763 | 2850 | 2852 | 2857 | rVB2 | 482494 | 573282 | 7.23% | 0.940% |
| 68 | 19.828 | 2859 | 2863 | 2867 | rBV5 | 72663 | 142378 | 1.80% | 0.233% |
| 69 | 19.869 | 2867 | 2870 | 2875 | rVB2 | 138051 | 157414 | 1.99% | 0.258% |
| 70 | 19.927 | 2875 | 2880 | 2884 | rBV | 630976 | 811679 | 10.24% | 1.330% |
| 71 | 20.063 | 2899 | 2903 | 2907 | rBV | 516196 | 613797 | 7.75% | 1.006% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009652.D
Acq On : 07 Feb 2020 18:38
Operator : CG/JU
Sample : L1324-18DL 30X
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** GAT73DL

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_N\METHODS\SOM-EPA-BN020320MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 20.110 | 2907 | 2911 | 2916 | rVB | 585642 | 729535 | 9.21% | 1.196% |
| 73 | 20.245 | 2930 | 2934 | 2938 | rVB3 | 80027 | 114208 | 1.44% | 0.187% |
| 74 | 20.327 | 2944 | 2948 | 2951 | rBV5 | 65704 | 105680 | 1.33% | 0.173% |
| 75 | 20.522 | 2977 | 2981 | 2988 | rVB | 297486 | 387689 | 4.89% | 0.635% |
| 76 | 20.610 | 2993 | 2996 | 3000 | rVB3 | 56581 | 64666 | 0.82% | 0.106% |
| 77 | 20.680 | 3000 | 3008 | 3012 | rBV2 | 414616 | 762398 | 9.62% | 1.250% |
| 78 | 20.722 | 3012 | 3015 | 3018 | rVV | 386077 | 402869 | 5.08% | 0.660% |
| 79 | 20.757 | 3018 | 3021 | 3025 | rVV | 283361 | 326360 | 4.12% | 0.535% |
| 80 | 20.927 | 3046 | 3050 | 3057 | rVB2 | 95256 | 157051 | 1.98% | 0.257% |
| 81 | 21.033 | 3062 | 3068 | 3073 | rBV2 | 2375556 | 5068912 | 63.96% | 8.308% |
| 82 | 21.075 | 3073 | 3075 | 3082 | rVB | 1687291 | 1981309 | 25.00% | 3.247% |
| 83 | 21.163 | 3087 | 3090 | 3093 | rBV2 | 104266 | 126144 | 1.59% | 0.207% |
| 84 | 21.245 | 3101 | 3104 | 3121 | rVB | 627420 | 965739 | 12.19% | 1.583% |
| 85 | 21.398 | 3127 | 3130 | 3135 | rBV4 | 132138 | 184027 | 2.32% | 0.302% |
| 86 | 21.527 | 3149 | 3152 | 3155 | rBV2 | 99875 | 115430 | 1.46% | 0.189% |
| 87 | 21.580 | 3155 | 3161 | 3166 | rVV | 433687 | 693663 | 8.75% | 1.137% |
| 88 | 21.627 | 3166 | 3169 | 3175 | rVB | 273884 | 358999 | 4.53% | 0.588% |
| 89 | 21.763 | 3188 | 3192 | 3195 | rBV3 | 244311 | 318909 | 4.02% | 0.523% |
| 90 | 21.792 | 3195 | 3197 | 3202 | rVB3 | 172504 | 196820 | 2.48% | 0.323% |
| 91 | 21.863 | 3206 | 3209 | 3214 | rVB | 157108 | 202593 | 2.56% | 0.332% |
| 92 | 22.198 | 3262 | 3266 | 3271 | rVB | 288906 | 414811 | 5.23% | 0.680% |
| 93 | 22.292 | 3279 | 3282 | 3289 | rBV4 | 94467 | 179265 | 2.26% | 0.294% |
| 94 | 22.539 | 3318 | 3324 | 3334 | rBV | 1114587 | 2849766 | 35.96% | 4.671% |
| 95 | 22.692 | 3346 | 3350 | 3365 | rVB | 306835 | 562750 | 7.10% | 0.922% |
| 96 | 22.974 | 3393 | 3398 | 3405 | rVB | 707529 | 1131247 | 14.28% | 1.854% |
| 97 | 23.063 | 3408 | 3413 | 3420 | rVB | 829705 | 1413753 | 17.84% | 2.317% |
| 98 | 23.151 | 3423 | 3428 | 3434 | rBV2 | 1064683 | 1841645 | 23.24% | 3.018% |
| 99 | 25.215 | 3772 | 3779 | 3790 | rVB2 | 418701 | 1084629 | 13.69% | 1.778% |
| 100 | 25.845 | 3879 | 3886 | 3897 | rVB2 | 323094 | 873382 | 11.02% | 1.431% |

Sum of corrected areas: 61015072

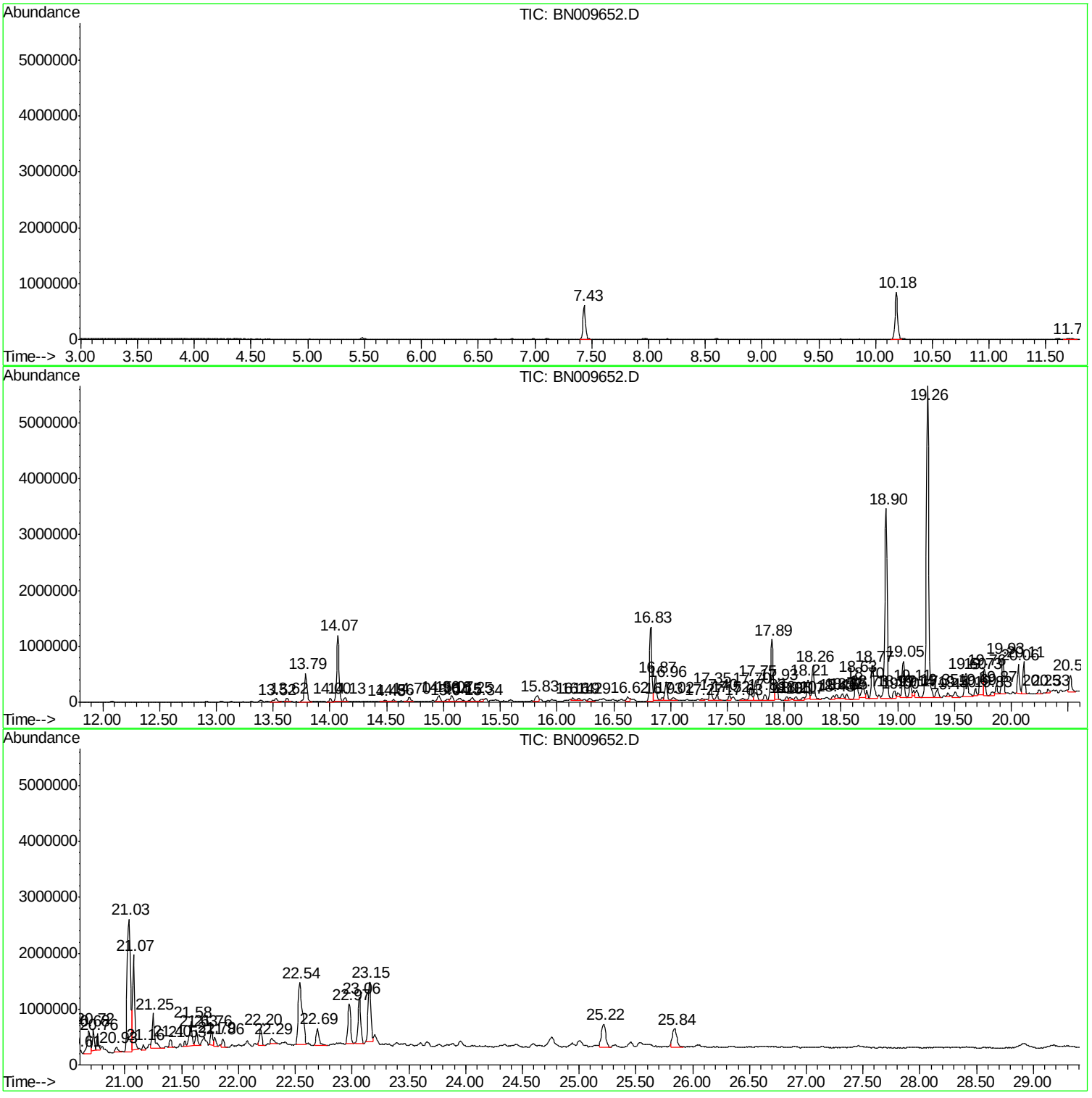
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009652.D
Acq On : 07 Feb 2020 18:38
Operator : CG/JU
Sample : L1324-18DL 30X
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** GAT73DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.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 N\DATA\BN020620\
Data File : BN009652.D
Acq On : 07 Feb 2020 18:38
Operator : CG/JU
Sample : L1324-18DL 30X
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** GAT73DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

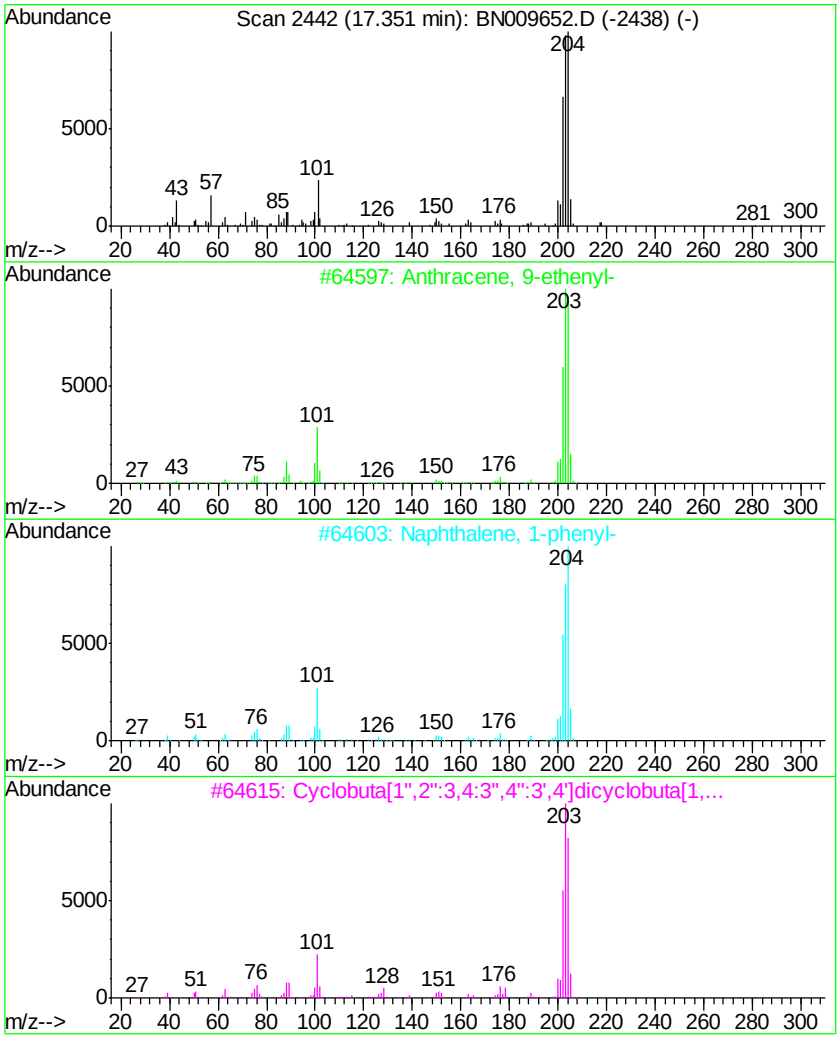
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

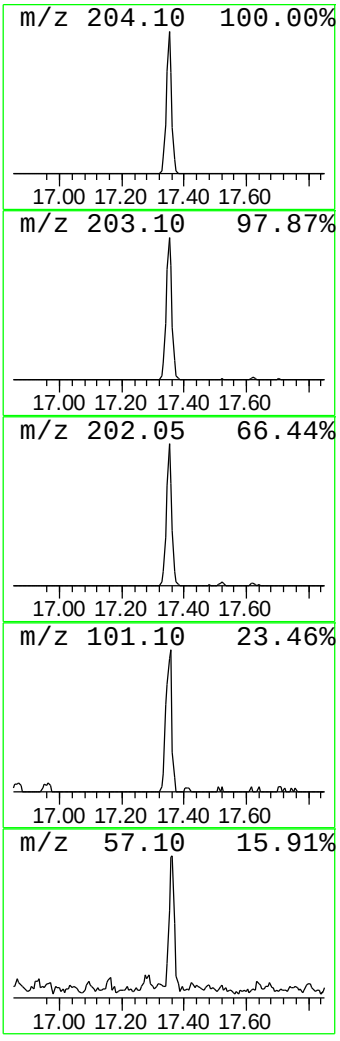
**********

Peak Number 1 Anthracene, 9-ethenyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.35 | 3.30 ng/ul | 315177 | Phenanthrene-d10 | 16.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 9-ethenyl- | 204 | C16H12 | 002444-68-0 | 94 |
| 2 | Naphthalene, 1-phenyl- | 204 | C16H12 | 000605-02-7 | 90 |
| 3 | Cyclobuta[1'',2'':3,4:3'',4'':3'... | 204 | C16H12 | 006574-36-3 | 76 |
| 4 | Dibenzo[a,e]cyclooctene | 204 | C16H12 | 000262-89-5 | 76 |
| 5 | Naphthalene, 1-phenyl- | 204 | C16H12 | 000605-02-7 | 76 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009652.D
Acq On : 07 Feb 2020 18:38
Operator : CG/JU
Sample : L1324-18DL 30X
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** GAT73DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

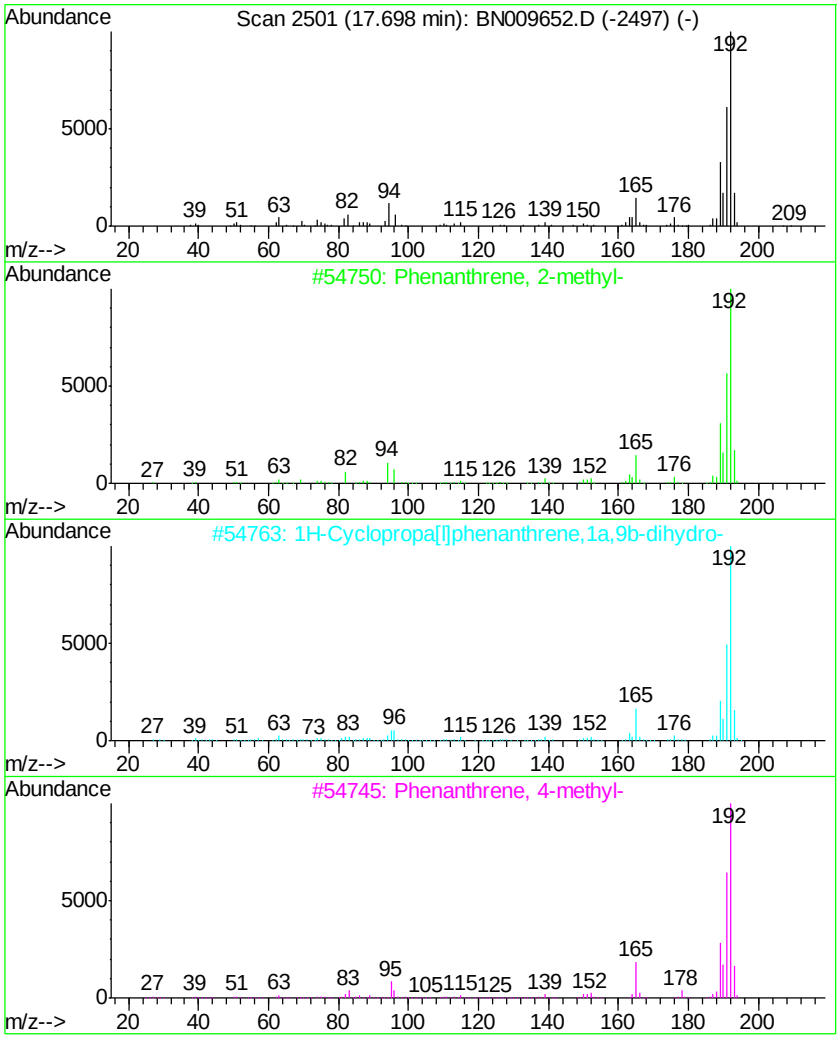
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

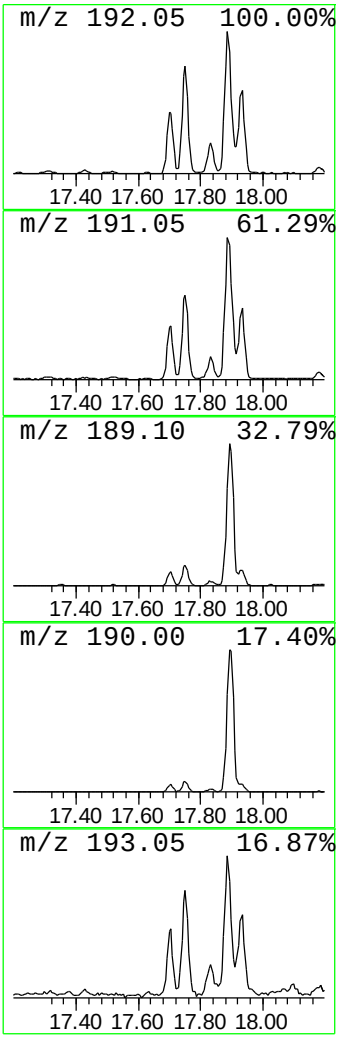
**********

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.70 | 3.71 ng/ul | 354512 | Phenanthrene-d10 | 16.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 2 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 94 |
| 3 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 93 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |
| 5 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009652.D
Acq On : 07 Feb 2020 18:38
Operator : CG/JU
Sample : L1324-18DL 30X
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** GAT73DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

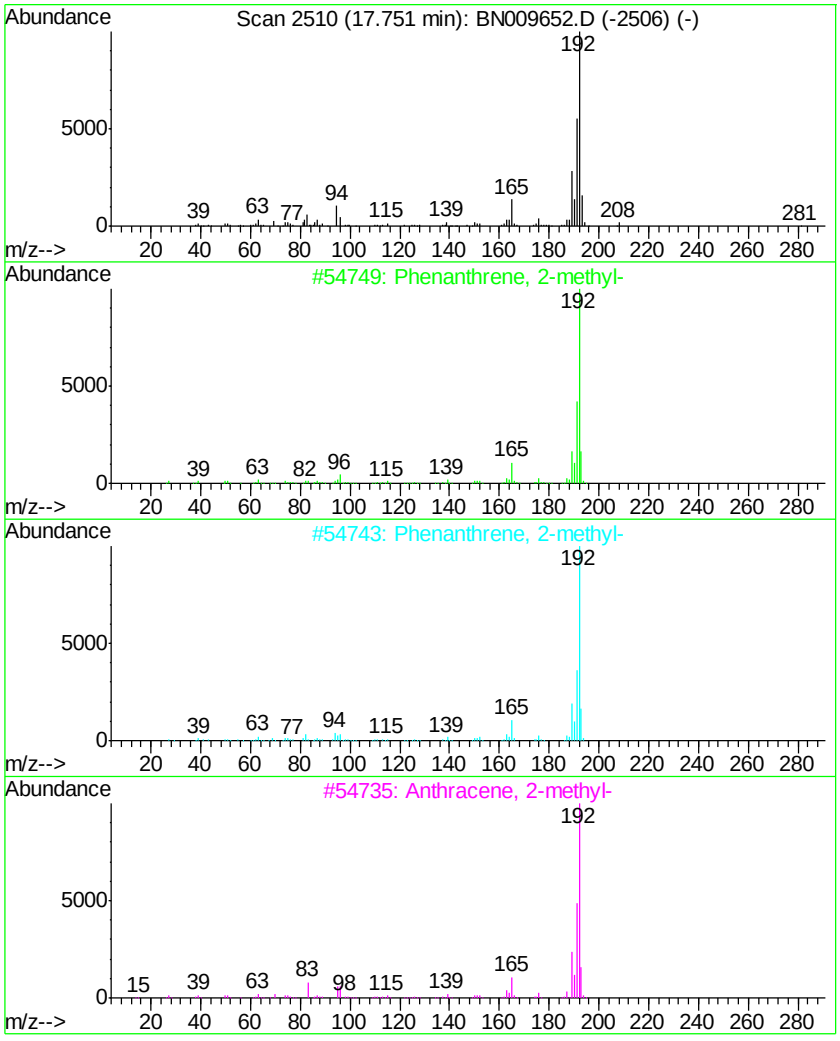
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

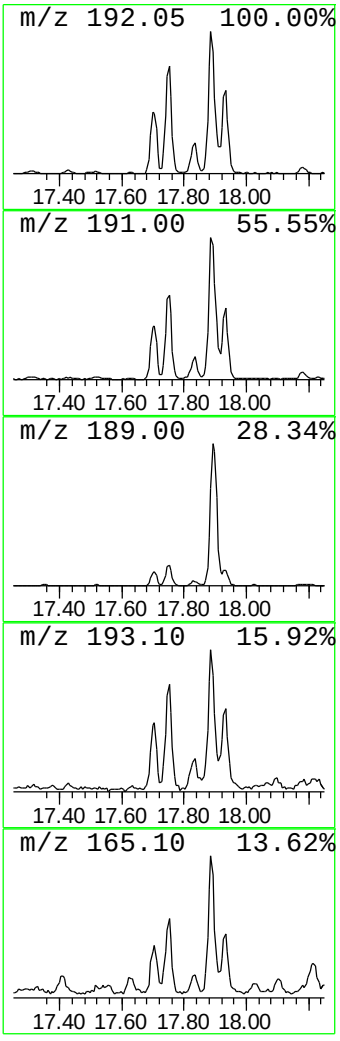
**********

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.75 | 5.47 ng/ul | 522741 | Phenanthrene-d10 | 16.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 94 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |
| 4 | Phenanthrene, 3-methyl- | 192 | C15H12 | 000832-71-3 | 93 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 93 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009652.D
Acq On : 07 Feb 2020 18:38
Operator : CG/JU
Sample : L1324-18DL 30X
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** GAT73DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

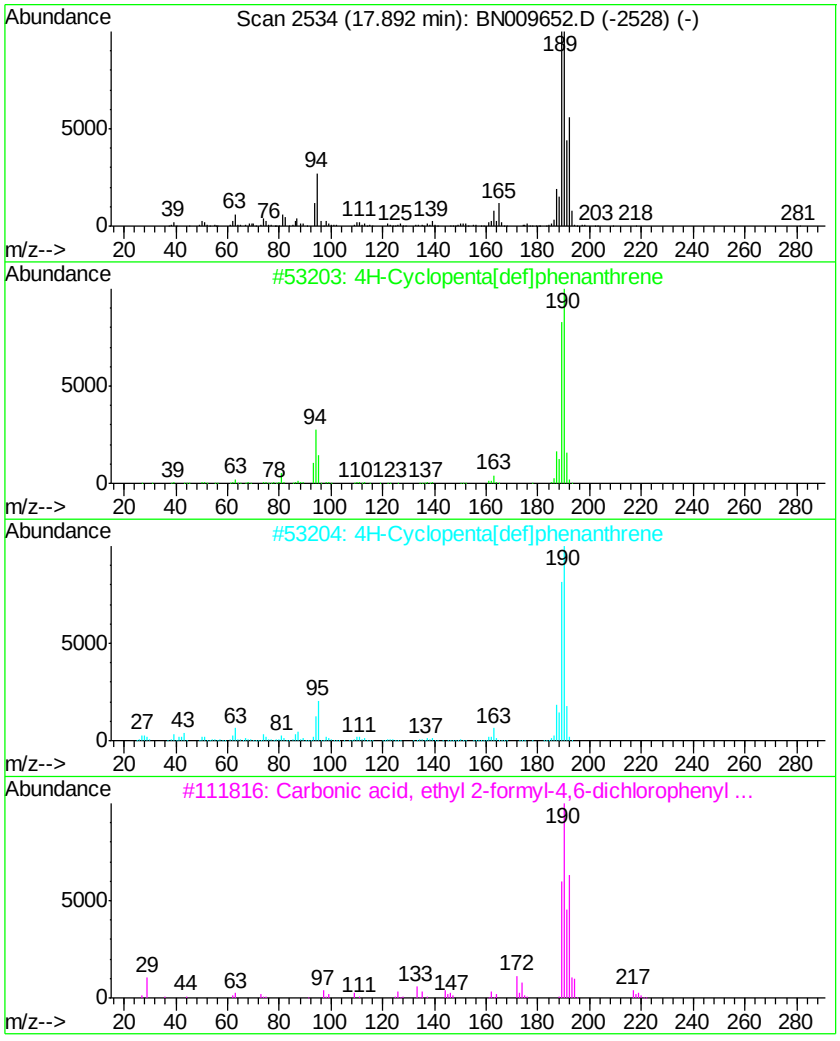
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

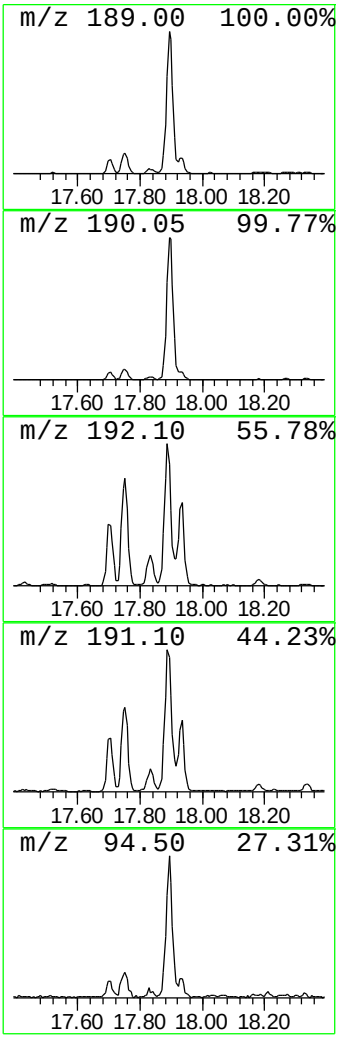
**********

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.89 | 17.76 ng/ul | 1696930 | Phenanthrene-d10 | 16.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 76 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 60 |
| 3 | Carbonic acid, ethyl 2-formyl-4,... | 262 | C10H8Cl2O4 | 1000331-34-4 | 50 |
| 4 | Benzene, 1,1'-(1,2-propadienylid... | 192 | C15H12 | 014251-57-1 | 22 |
| 5 | 5H-Dibenzo[a,d]cycloheptene | 192 | C15H12 | 000256-81-5 | 20 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009652.D
Acq On : 07 Feb 2020 18:38
Operator : CG/JU
Sample : L1324-18DL 30X
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** GAT73DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

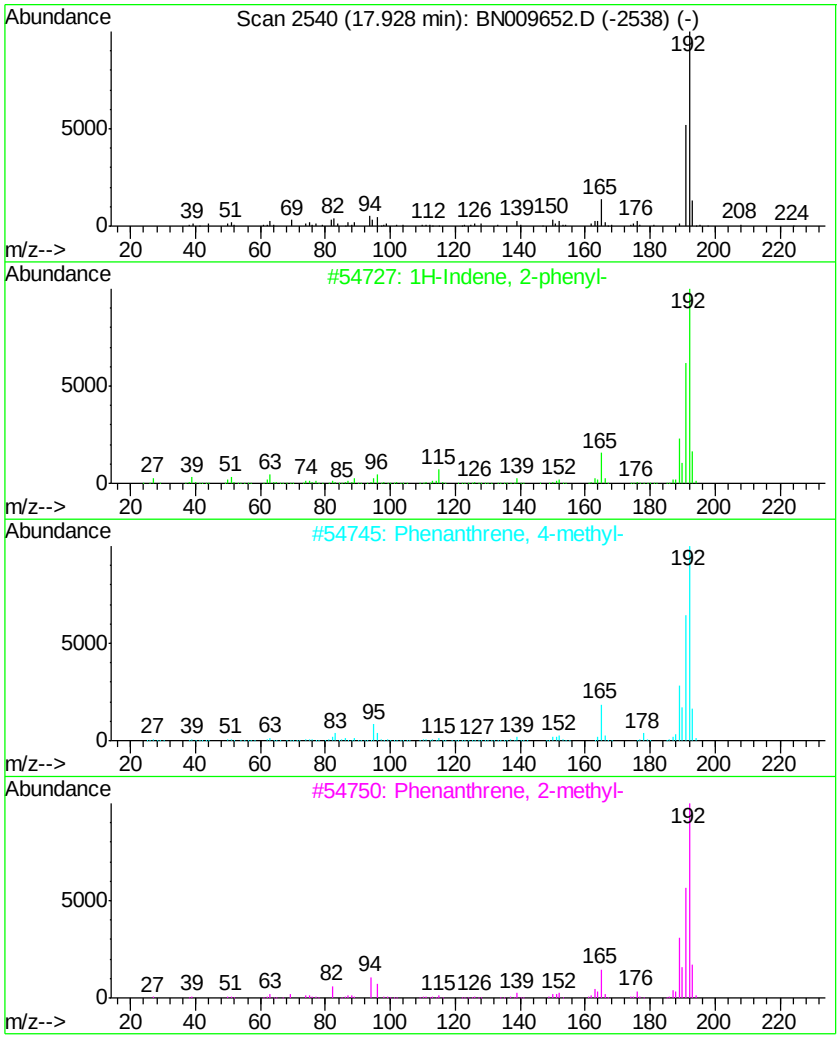
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

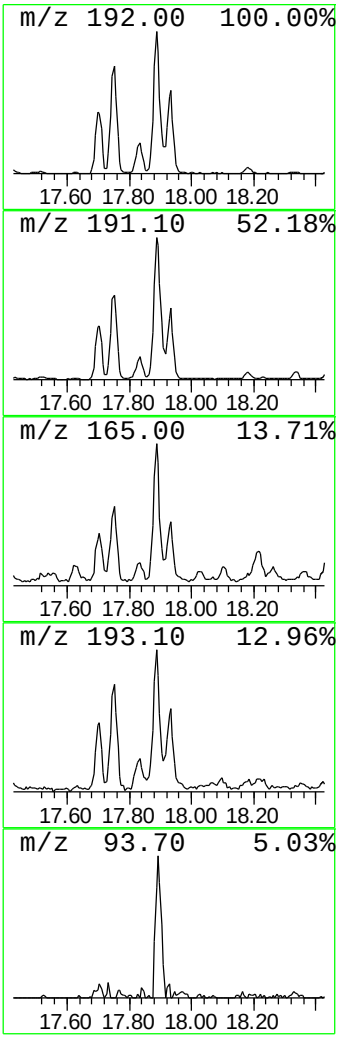
**********

Peak Number 5 1H-Indene, 2-phenyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.93 | 3.60 ng/ul | 343901 | Phenanthrene-d10 | 16.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 90 |
| 2 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 90 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 90 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 90 |
| 5 | 1H-Indene, 1-phenyl- | 192 | C15H12 | 001961-96-2 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009652.D
Acq On : 07 Feb 2020 18:38
Operator : CG/JU
Sample : L1324-18DL 30X
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** GAT73DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

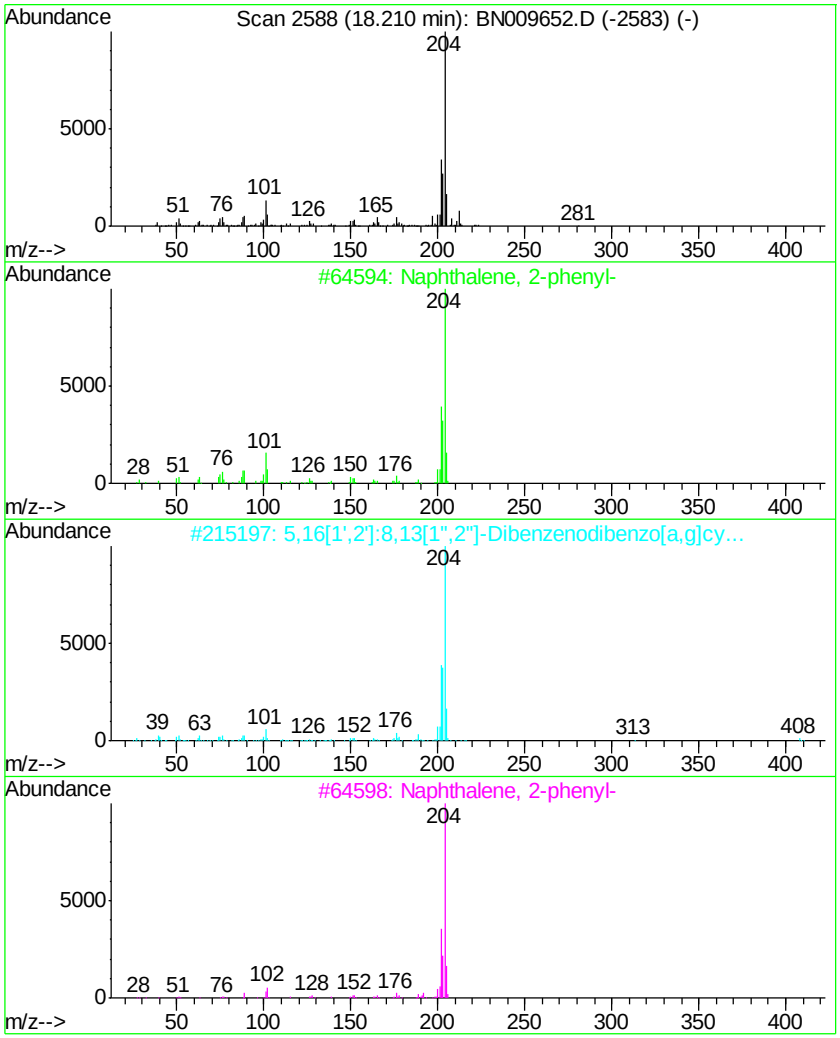
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

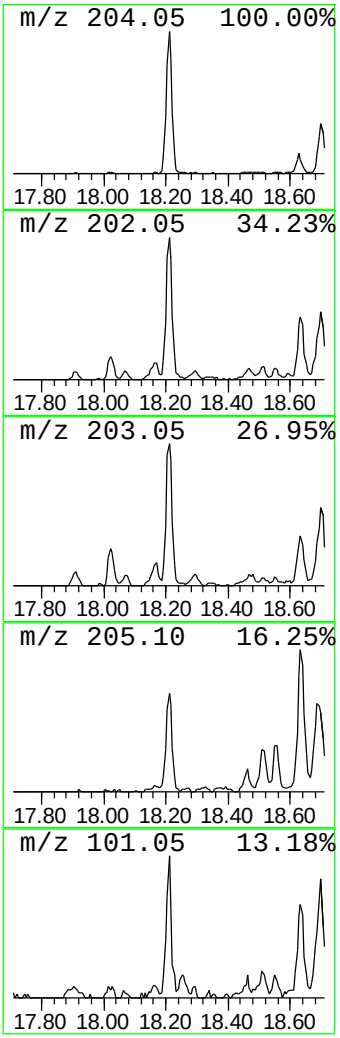
**********

Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.21 | 5.04 ng/ul | 481333 | Phenanthrene-d10 | 16.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 89 |
| 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 | 76 |
| 4 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 76 |
| 5 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 70 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009652.D
Acq On : 07 Feb 2020 18:38
Operator : CG/JU
Sample : L1324-18DL 30X
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** GAT73DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

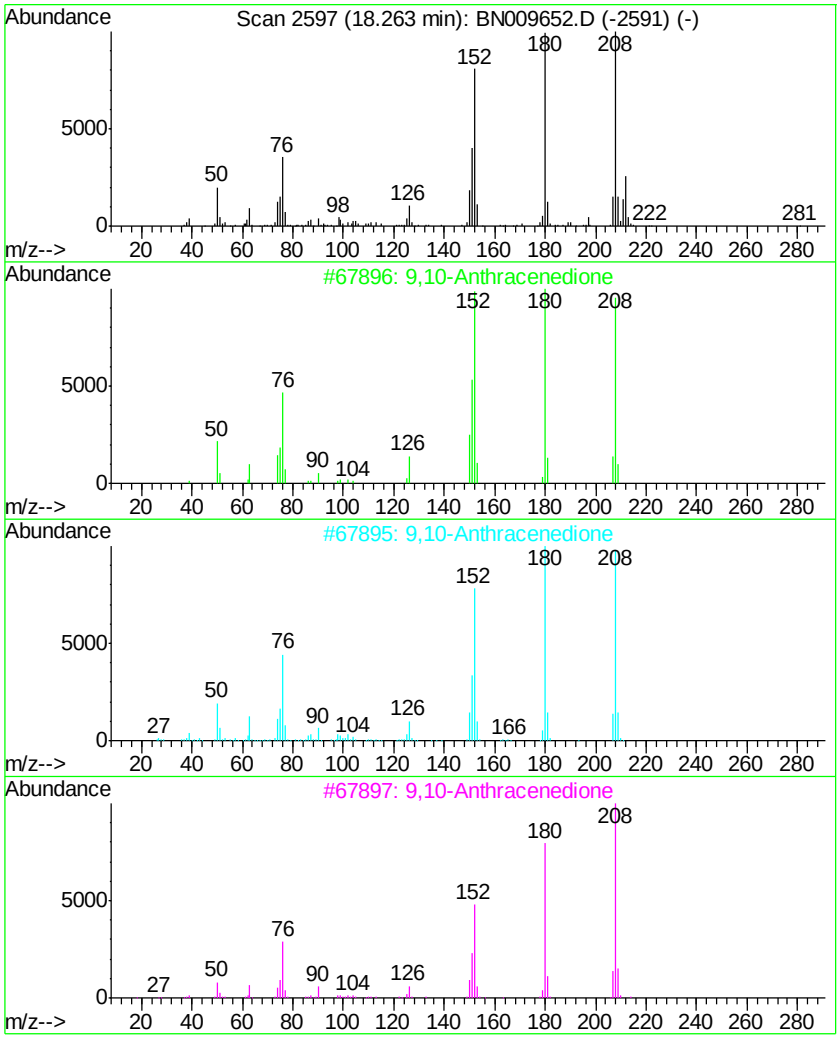
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

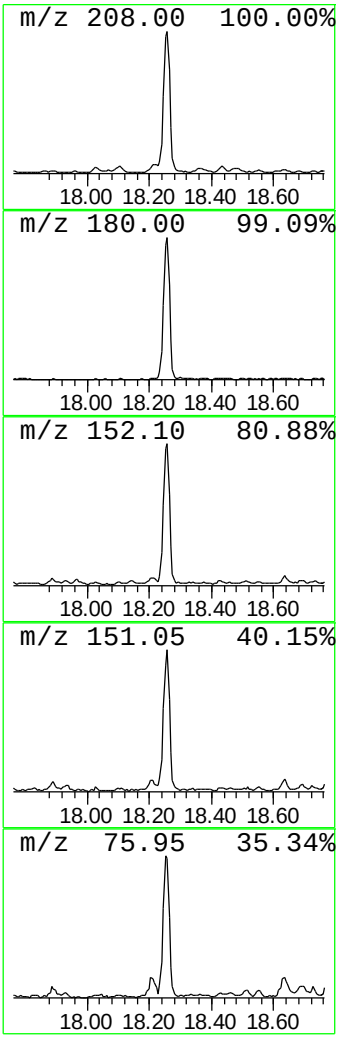
**********

Peak Number 7 9,10-Anthracenedione Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.26 | 9.75 ng/ul | 931886 | Phenanthrene-d10 | 16.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 99 |
| 2 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 98 |
| 3 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 95 |
| 4 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 91 |
| 5 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009652.D
Acq On : 07 Feb 2020 18:38
Operator : CG/JU
Sample : L1324-18DL 30X
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** GAT73DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

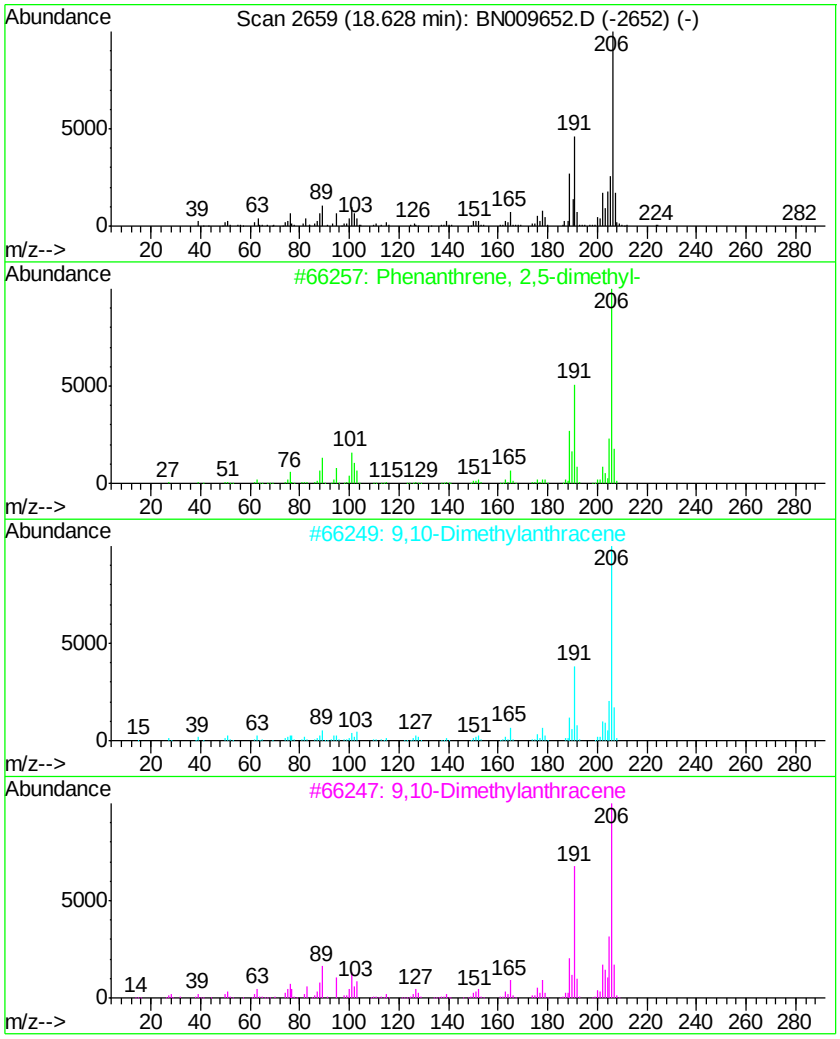
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

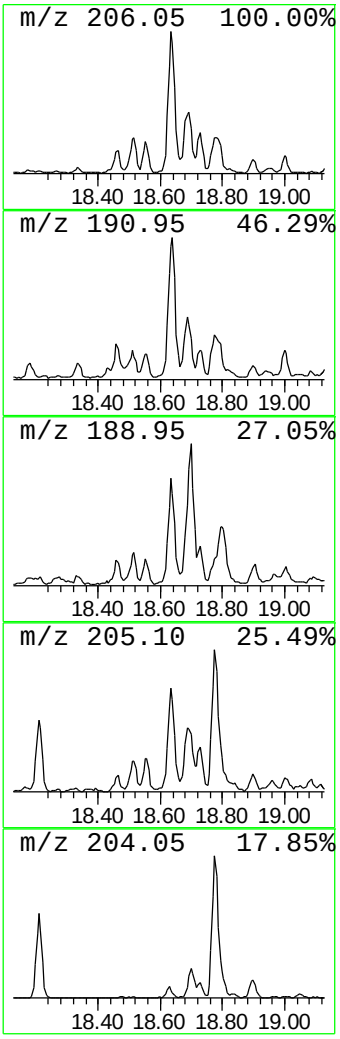
**********

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.63 | 7.22 ng/ul | 689967 | Phenanthrene-d10 | 16.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 97 |
| 2 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 96 |
| 3 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 96 |
| 4 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 93 |
| 5 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 93 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009652.D
Acq On : 07 Feb 2020 18:38
Operator : CG/JU
Sample : L1324-18DL 30X
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** GAT73DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

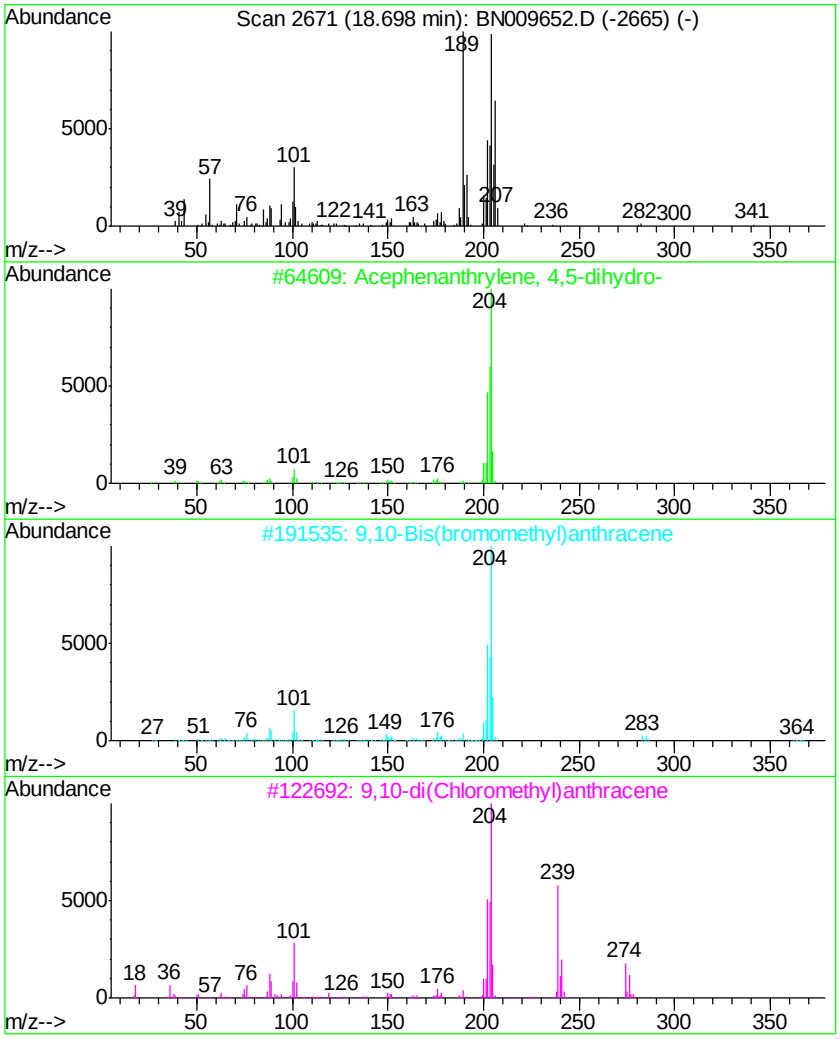
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

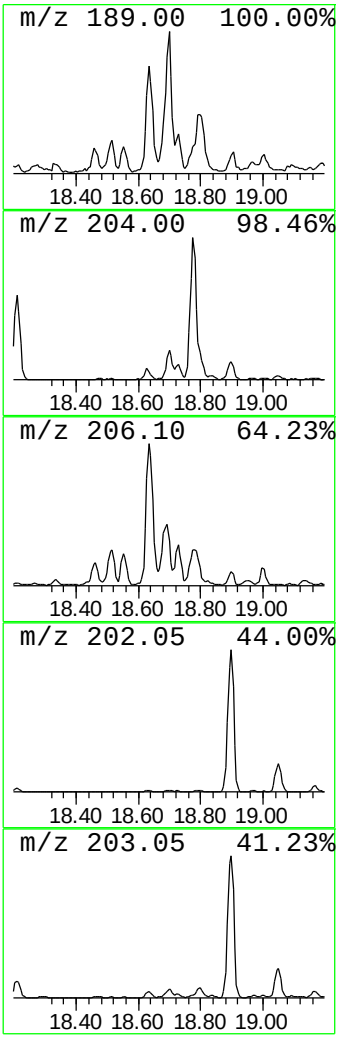
**********

Peak Number 9 Acephenanthrylene, 4,5-dihy... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.70 | 4.97 ng/ul | 474862 | Phenanthrene-d10 | 16.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acephenanthrylene, 4,5-dihydro- | 204 | C16H12 | 006232-48-0 | 56 |
| 2 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 43 |
| 3 | 9,10-di(Chloromethyl)anthracene | 274 | C16H12Cl2 | 010387-13-0 | 38 |
| 4 | Pyrene, 4,5,9,10-tetrahydro- | 206 | C16H14 | 000781-17-9 | 38 |
| 5 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 38 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009652.D
Acq On : 07 Feb 2020 18:38
Operator : CG/JU
Sample : L1324-18DL 30X
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** GAT73DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

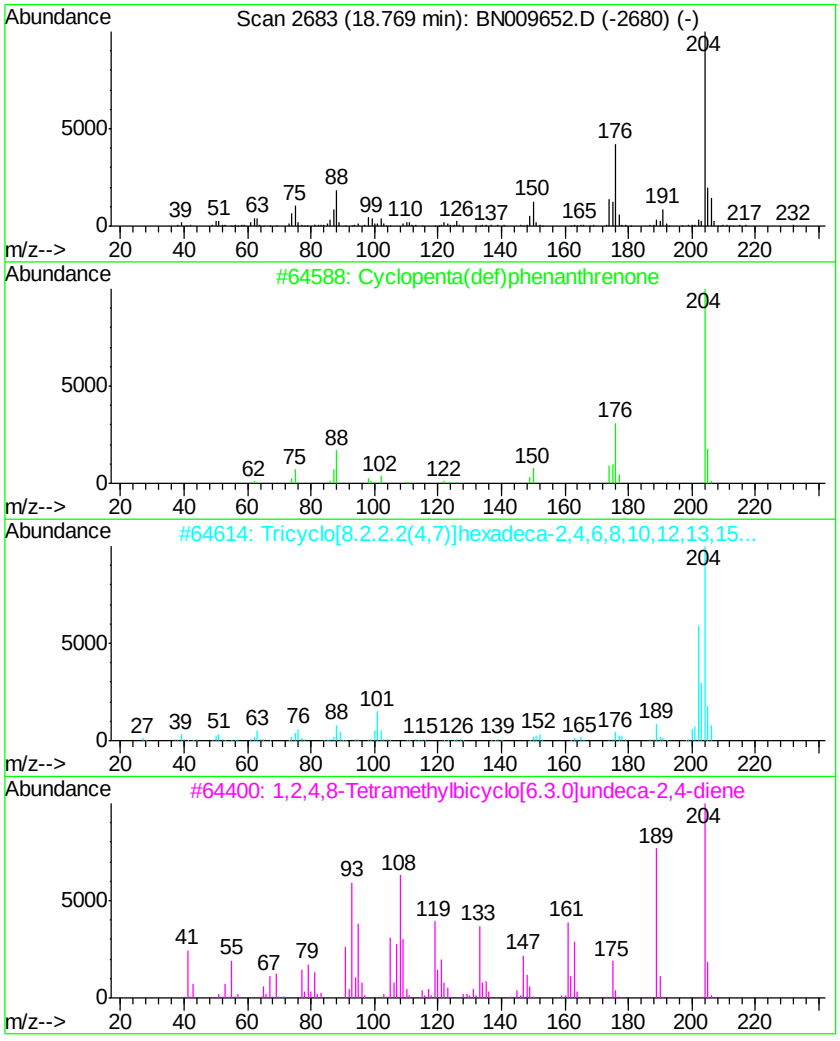
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

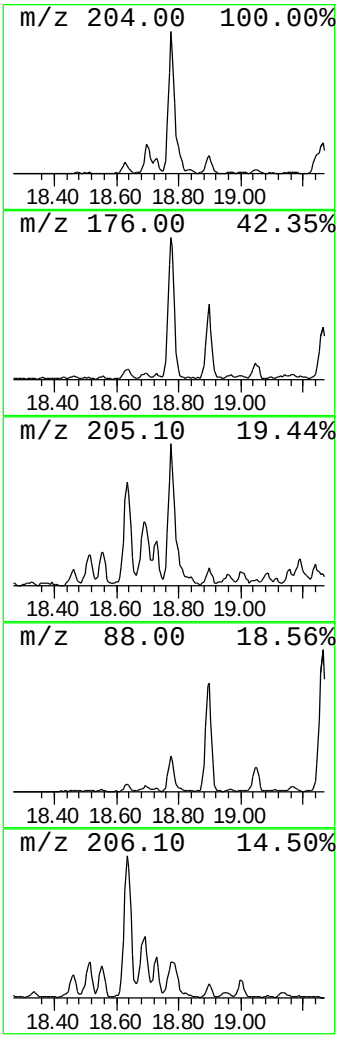
**********

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.77 | 10.32 ng/ul | 985972 | Phenanthrene-d10 | 16.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 97 |
| 2 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 58 |
| 3 | 1,2,4,8-Tetramethylbicyclo[6.3.0... | 204 | C15H24 | 137235-51-9 | 53 |
| 4 | 3,4-Biphenyldicarbonitrile | 204 | C14H8N2 | 004128-63-6 | 50 |
| 5 | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2 | 001591-30-6 | 50 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009652.D
Acq On : 07 Feb 2020 18:38
Operator : CG/JU
Sample : L1324-18DL 30X
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** GAT73DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

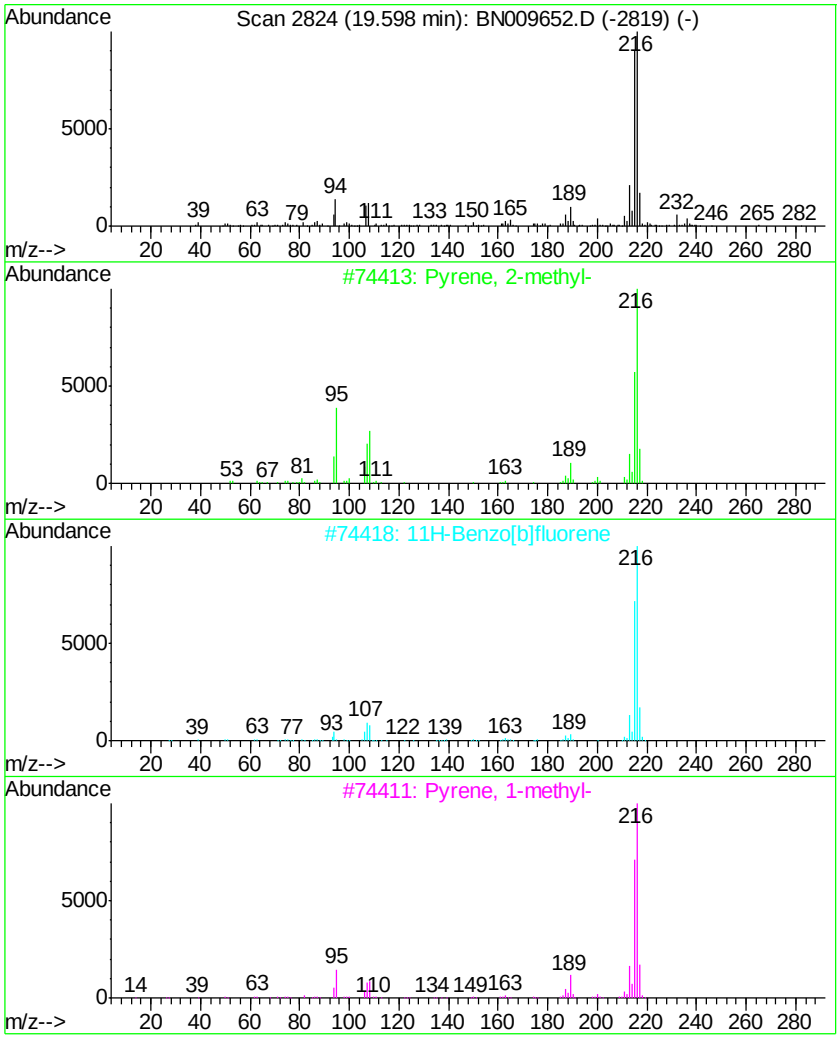
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

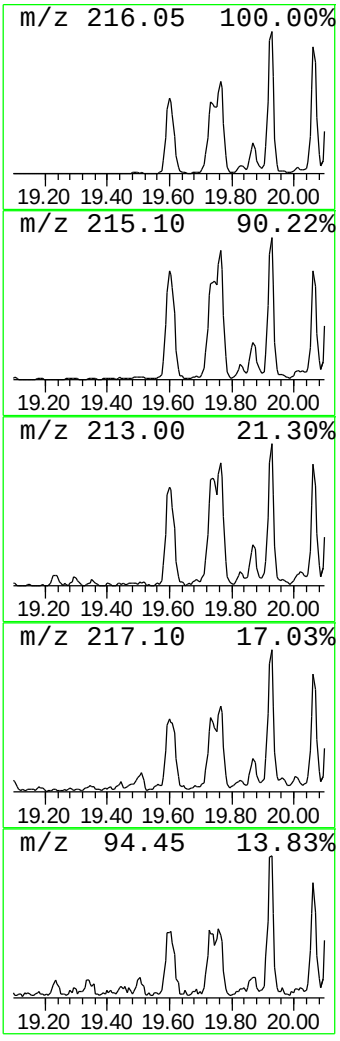
**********

Peak Number 12 Pyrene, 2-methyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.60 | 3.52 ng/ul | 892815 | Chrysene-d12 | 21.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 92 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 87 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 81 |
| 4 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 76 |
| 5 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 76 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009652.D
Acq On : 07 Feb 2020 18:38
Operator : CG/JU
Sample : L1324-18DL 30X
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** GAT73DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

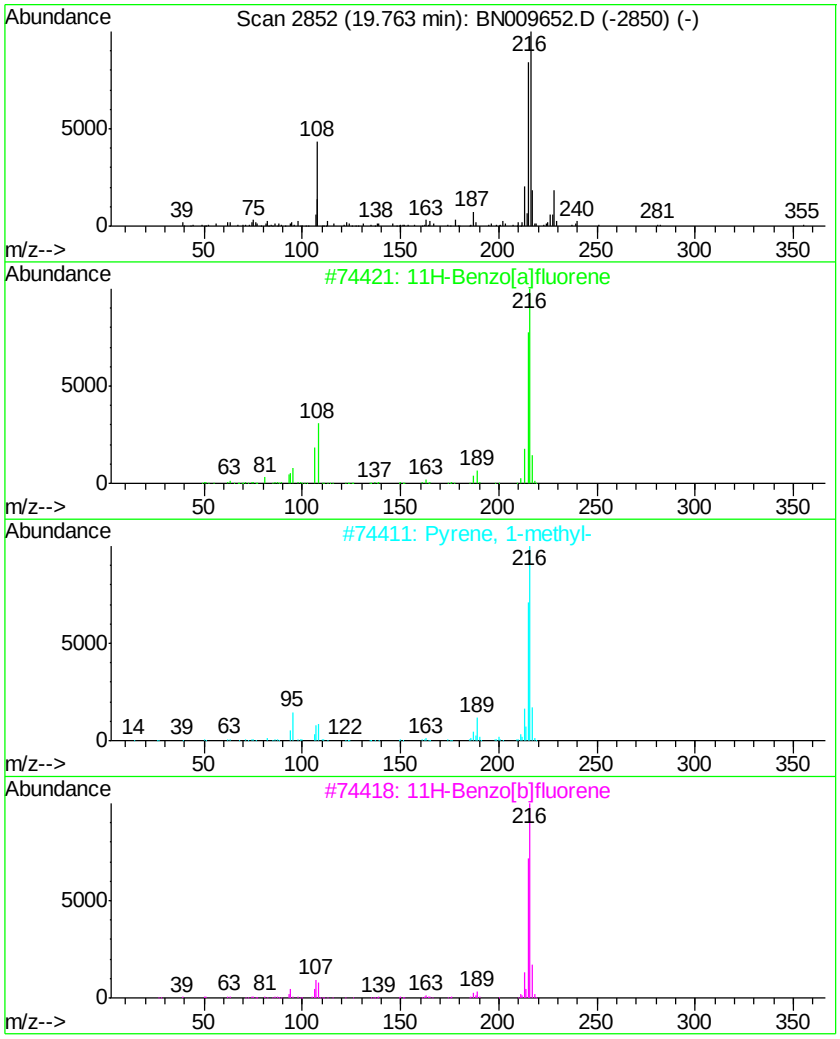
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

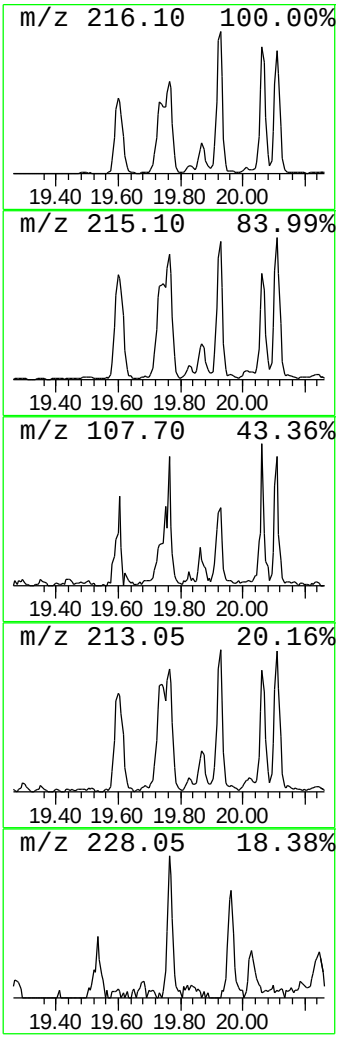
**********

Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.76 | 2.26 ng/ul | 573282 | Chrysene-d12 | 21.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 87 |
| 2 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 74 |
| 3 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 68 |
| 4 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 68 |
| 5 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 58 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009652.D
Acq On : 07 Feb 2020 18:38
Operator : CG/JU
Sample : L1324-18DL 30X
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** GAT73DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

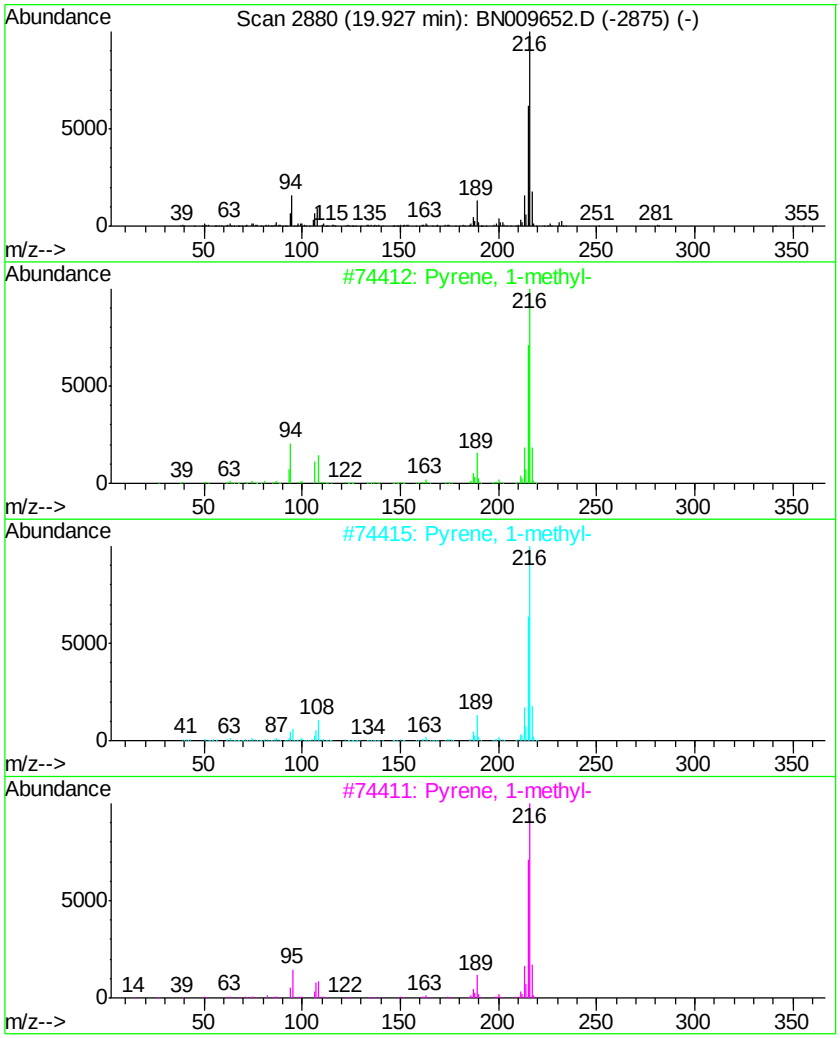
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

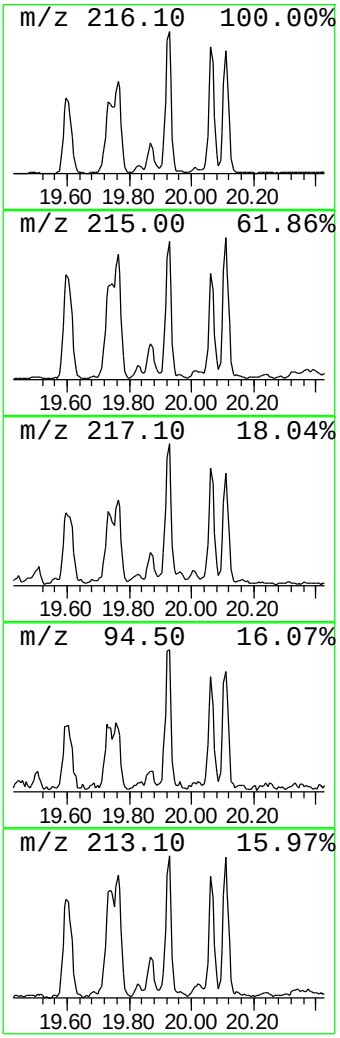
**********

Peak Number 15 Pyrene, 4-methyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.93 | 3.20 ng/ul | 811679 | Chrysene-d12 | 21.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 97 |
| 2 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 96 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 96 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 95 |
| 5 | Pyrene, 4-methyl- | 216 | C17H12 | 003353-12-6 | 95 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009652.D
Acq On : 07 Feb 2020 18:38
Operator : CG/JU
Sample : L1324-18DL 30X
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** GAT73DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

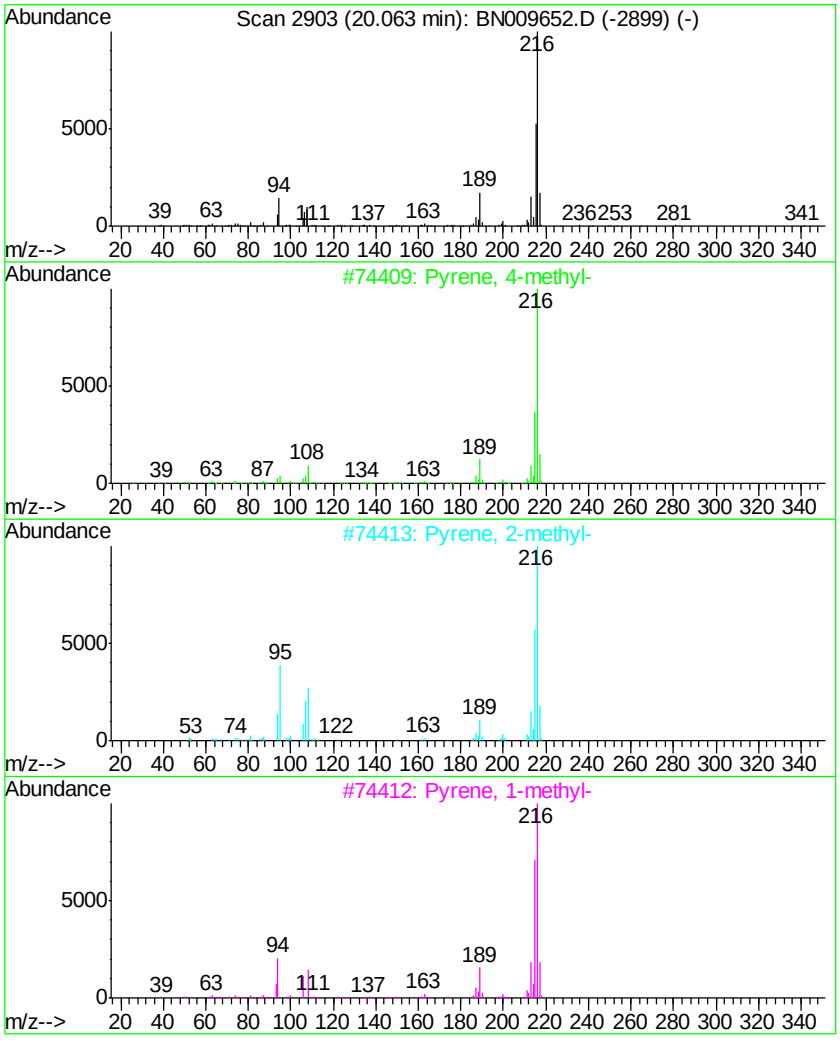
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

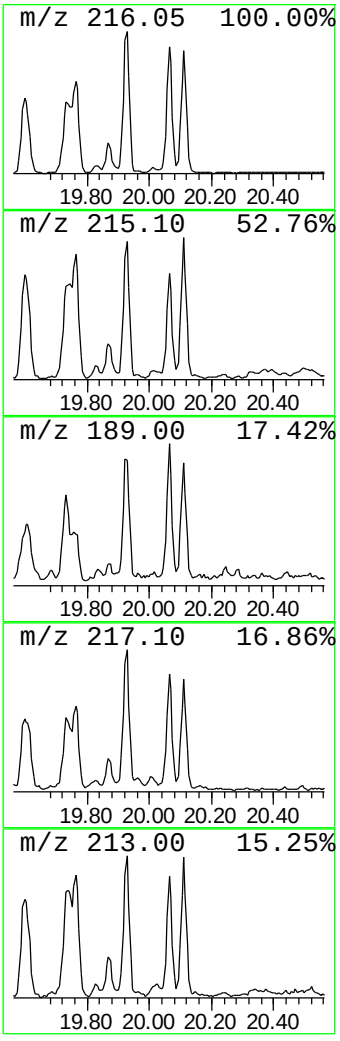
**********

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.06 | 2.42 ng/ul | 613797 | Chrysene-d12 | 21.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 4-methyl- | 216 | C17H12 | 003353-12-6 | 94 |
| 2 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 94 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 94 |
| 4 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 90 |
| 5 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009652.D
Acq On : 07 Feb 2020 18:38
Operator : CG/JU
Sample : L1324-18DL 30X
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** GAT73DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

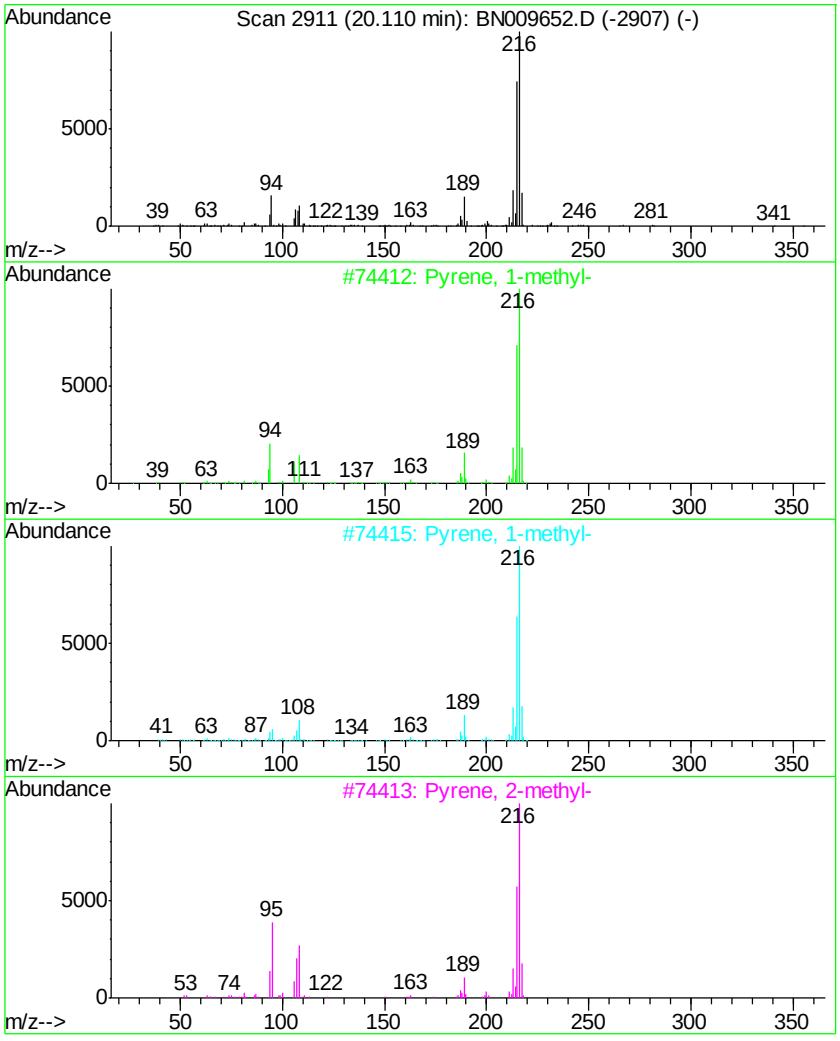
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

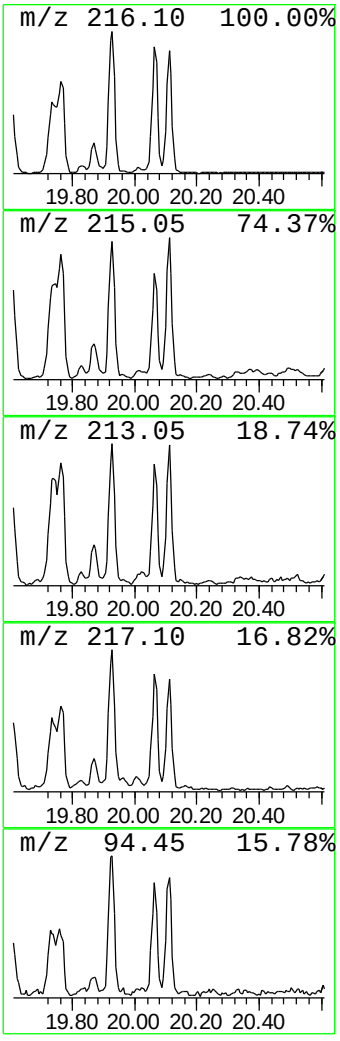
**********

Peak Number 17 Pyrene, 1-methyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.11 | 2.88 ng/ul | 729535 | Chrysene-d12 | 21.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 97 |
| 2 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 96 |
| 3 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 94 |
| 4 | Pyrene, 4-methyl- | 216 | C17H12 | 003353-12-6 | 93 |
| 5 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 93 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009652.D
Acq On : 07 Feb 2020 18:38
Operator : CG/JU
Sample : L1324-18DL 30X
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** GAT73DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

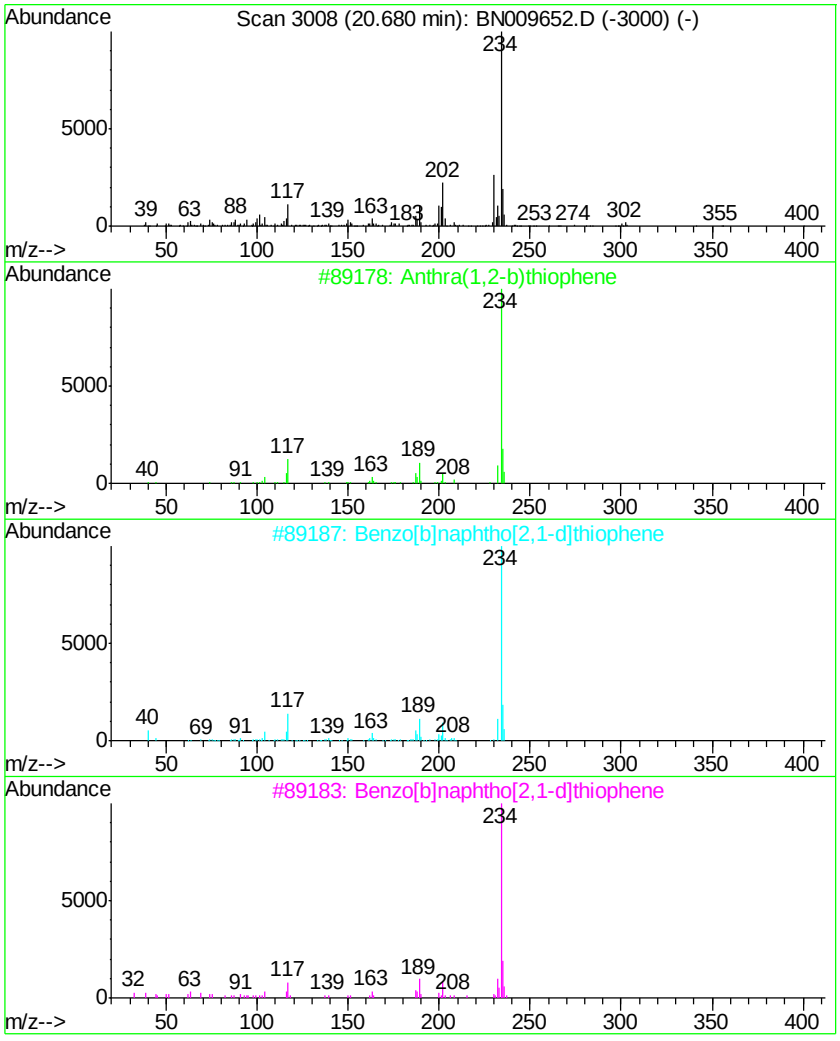
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

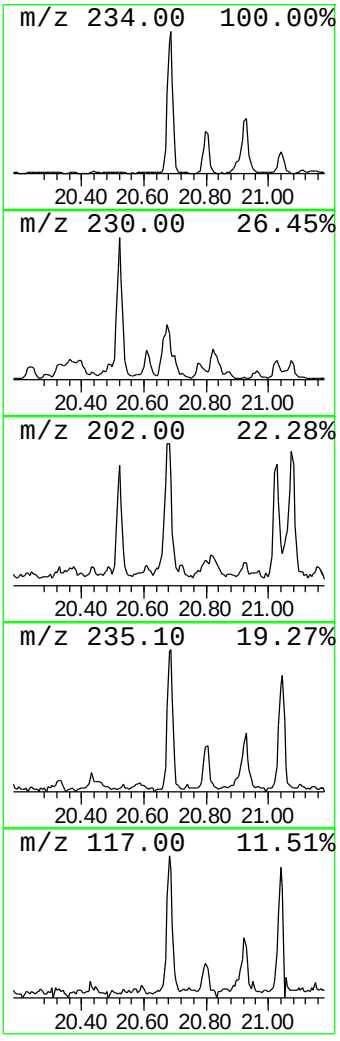
**********

Peak Number 18 Anthra(1,2-b)thiophene Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.68 | 3.01 ng/ul | 762398 | Chrysene-d12 | 21.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthra(1,2-b)thiophene | 234 | C16H10S | 000227-86-1 | 97 |
| 2 | Benzo[b]naphtho[2,1-d]thiophene | 234 | C16H10S | 000239-35-0 | 96 |
| 3 | Benzo[b]naphtho[2,1-d]thiophene | 234 | C16H10S | 000239-35-0 | 94 |
| 4 | Benzo[b]naphtho[2,1-d]thiophene | 234 | C16H10S | 000239-35-0 | 92 |
| 5 | Benzo[b]naphtho[2,3-d]thiophene | 234 | C16H10S | 000243-46-9 | 86 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009652.D
Acq On : 07 Feb 2020 18:38
Operator : CG/JU
Sample : L1324-18DL 30X
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** GAT73DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

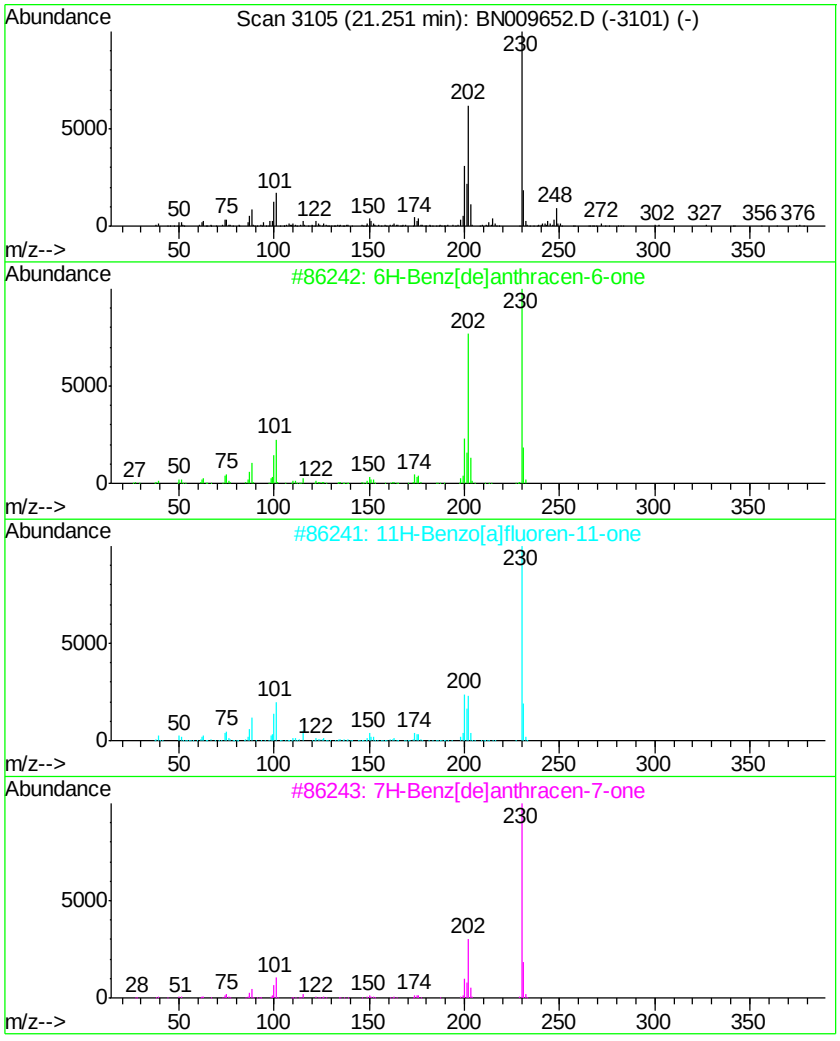
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

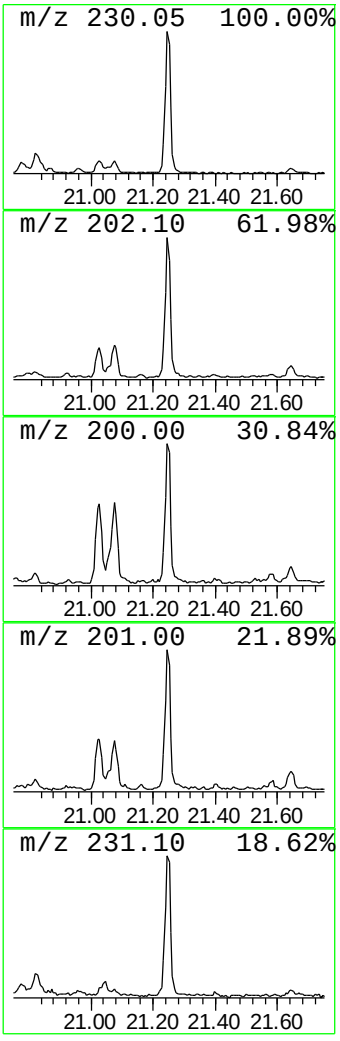
**********

Peak Number 19 6H-Benz[de]anthracen-6-one Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.25 | 3.81 ng/ul | 965739 | Chrysene-d12 | 21.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 6H-Benz[de]anthracen-6-one | 230 | C17H10O | 080252-14-8 | 98 |
| 2 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 98 |
| 3 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 96 |
| 4 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 94 |
| 5 | Fluoranthene | 202 | C16H10 | 000206-44-0 | 89 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009652.D
Acq On : 07 Feb 2020 18:38
Operator : CG/JU
Sample : L1324-18DL 30X
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** GAT73DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

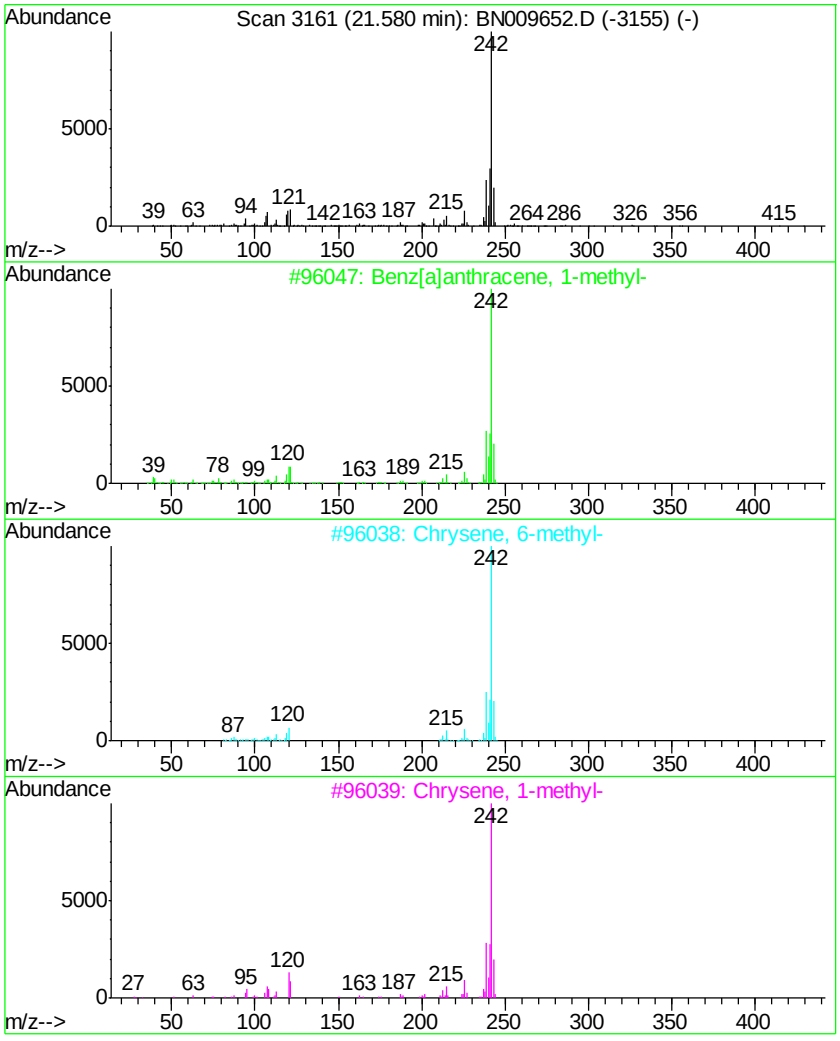
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

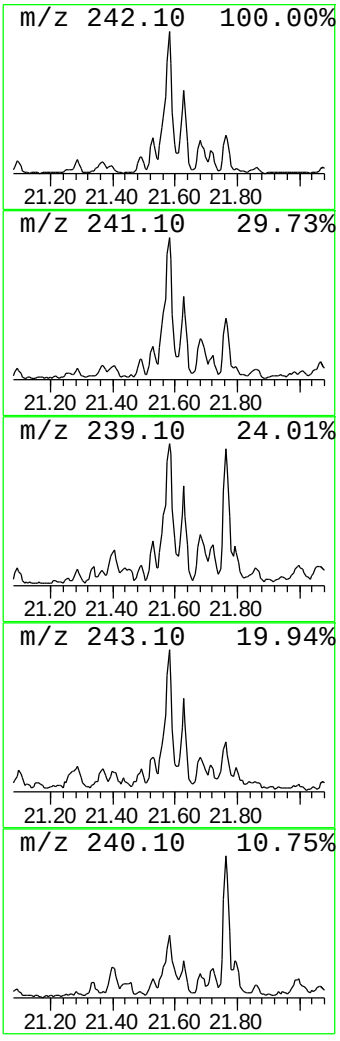
**********

Peak Number 20 Benz[a]anthracene, 1-methyl- Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.58 | 2.74 ng/ul | 693663 | Chrysene-d12 | 21.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benz[a]anthracene, 1-methyl- | 242 | C19H14 | 002498-77-3 | 96 |
| 2 | Chrysene, 6-methyl- | 242 | C19H14 | 001705-85-7 | 95 |
| 3 | Chrysene, 1-methyl- | 242 | C19H14 | 003351-28-8 | 95 |
| 4 | Benz[a]anthracene, 7-methyl- | 242 | C19H14 | 002541-69-7 | 93 |
| 5 | 2-Methylchrysene | 242 | C19H14 | 003351-32-4 | 93 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009652.D
Acq On : 07 Feb 2020 18:38
Operator : CG/JU
Sample : L1324-18DL 30X
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** GAT73DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

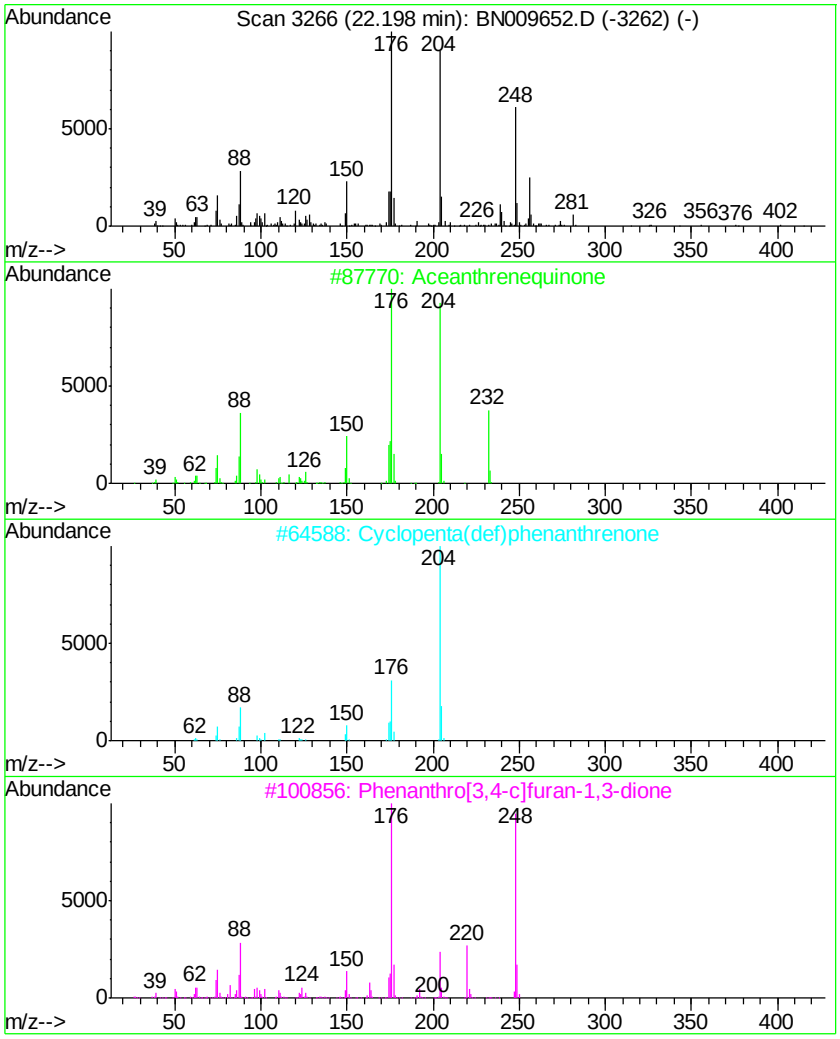
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

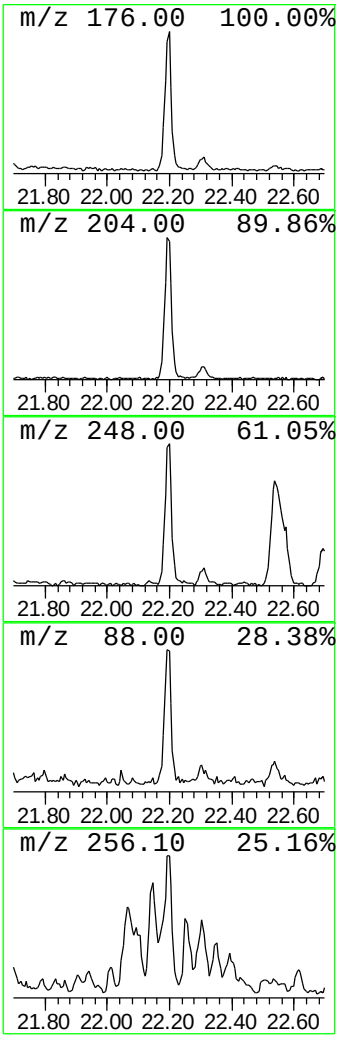
**********

Peak Number 21 Aceanthrenequinone Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.20 | 4.50 ng/ul | 414811 | Perylene-d12 | 23.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Aceanthrenequinone | 232 | C16H8O2 | 006373-11-1 | 64 |
| 2 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 52 |
| 3 | Phenanthro[3,4-c]furan-1,3-dione | 248 | C16H8O3 | 005723-54-6 | 49 |
| 4 | 4-Methyl-6,7-methylenedioxycoumarin | 204 | C11H8O4 | 015071-04-2 | 43 |
| 5 | Pyrido[4,3-d]pyrimidine-8-carbox... | 248 | C11H12N4O3 | 1000350-96-4 | 32 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009652.D
Acq On : 07 Feb 2020 18:38
Operator : CG/JU
Sample : L1324-18DL 30X
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** GAT73DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

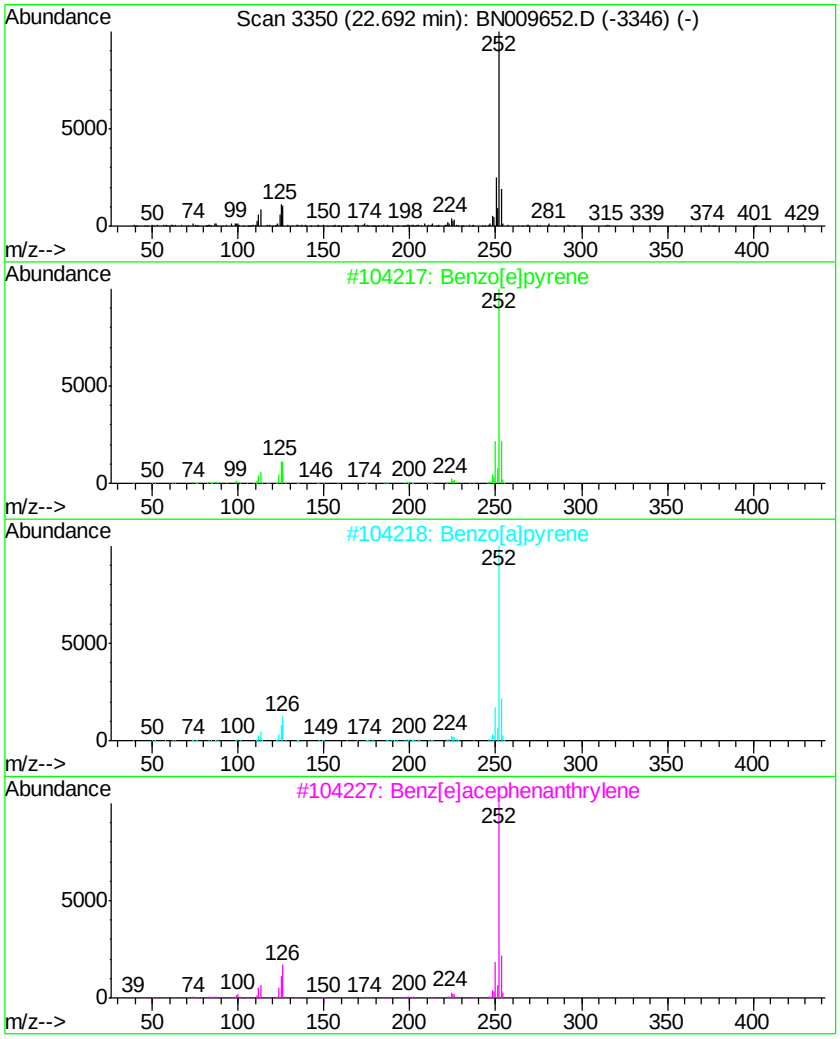
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

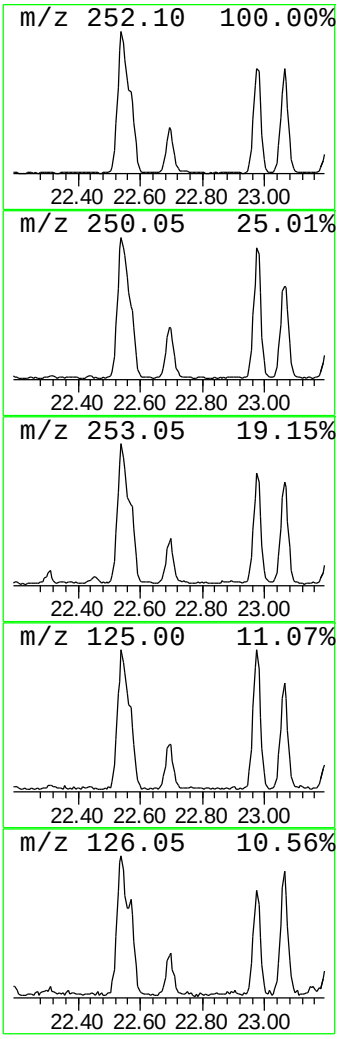
**********

Peak Number 22 Benzo[e]pyrene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.69 | 6.11 ng/ul | 562750 | Perylene-d12 | 23.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 93 |
| 2 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 91 |
| 3 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 90 |
| 4 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 90 |
| 5 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 89 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN020620\
Data File : BN009652.D
Acq On : 07 Feb 2020 18:38
Operator : CG/JU
Sample : L1324-18DL 30X
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** GAT73DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.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 |
| Anthracene, 9-eth... | 17.35 | 3.3 | ng/ul | 315177 | 4 | 16.83 | 1911180 | 20.0 |
| Phenanthrene, 2-m... | 17.70 | 3.7 | ng/ul | 354512 | 4 | 16.83 | 1911180 | 20.0 |
| Anthracene, 2-met... | 17.75 | 5.5 | ng/ul | 522741 | 4 | 16.83 | 1911180 | 20.0 |
| 4H-Cyclopenta[def... | 17.89 | 17.8 | ng/ul | 1696930 | 4 | 16.83 | 1911180 | 20.0 |
| 1H-Indene, 2-phenyl- | 17.93 | 3.6 | ng/ul | 343901 | 4 | 16.83 | 1911180 | 20.0 |
| Naphthalene, 2-ph... | 18.21 | 5.0 | ng/ul | 481333 | 4 | 16.83 | 1911180 | 20.0 |
| 9,10-Anthracenedione | 18.26 | 9.8 | ng/ul | 931886 | 4 | 16.83 | 1911180 | 20.0 |
| Phenanthrene, 2,5... | 18.63 | 7.2 | ng/ul | 689967 | 4 | 16.83 | 1911180 | 20.0 |
| Acephenanthrylene... | 18.70 | 5.0 | ng/ul | 474862 | 4 | 16.83 | 1911180 | 20.0 |
| Cyclopenta(def)ph... | 18.77 | 10.3 | ng/ul | 985972 | 4 | 16.83 | 1911180 | 20.0 |
| Pyrene, 2-methyl- | 19.60 | 3.5 | ng/ul | 892815 | 5 | 21.04 | 5068910 | 20.0 |
| 11H-Benzo[a]fluorene | 19.76 | 2.3 | ng/ul | 573282 | 5 | 21.04 | 5068910 | 20.0 |
| Pyrene, 4-methyl- | 19.93 | 3.2 | ng/ul | 811679 | 5 | 21.04 | 5068910 | 20.0 |
| 11H-Benzo[b]fluorene | 20.06 | 2.4 | ng/ul | 613797 | 5 | 21.04 | 5068910 | 20.0 |
| Pyrene, 1-methyl- | 20.11 | 2.9 | ng/ul | 729535 | 5 | 21.04 | 5068910 | 20.0 |
| Anthra(1,2-b)thio... | 20.68 | 3.0 | ng/ul | 762398 | 5 | 21.04 | 5068910 | 20.0 |
| 6H-Benz[de]anthra... | 21.25 | 3.8 | ng/ul | 965739 | 5 | 21.04 | 5068910 | 20.0 |
| Benz[a]anthracene... | 21.58 | 2.7 | ng/ul | 693663 | 5 | 21.04 | 5068910 | 20.0 |
| Aceanthrenequinone | 22.20 | 4.5 | ng/ul | 414811 | 6 | 23.16 | 1841650 | 20.0 |
| Benzo[e]pyrene | 22.69 | 6.1 | ng/ul | 562750 | 6 | 23.16 | 1841650 | 20.0 |