LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\
Data File : BM020304.D
Acq On : 12 May 2019 18:30
Operator : JU/SJ
Sample : K2768-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** P026-SS013-1218-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BM043019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.346 | 395 | 401 | 410 | rBV | 1160616 | 1666246 | 34.94% | 2.611% |
| 2 | 6.928 | 663 | 670 | 692 | rBV | 1054494 | 1763770 | 36.98% | 2.764% |
| 3 | 7.293 | 725 | 732 | 743 | rBV | 1151523 | 1813041 | 38.01% | 2.841% |
| 4 | 7.763 | 803 | 812 | 819 | rBV | 206976 | 332546 | 6.97% | 0.521% |
| 5 | 8.081 | 858 | 866 | 881 | rVB | 795118 | 1327668 | 27.84% | 2.081% |
| 6 | 8.928 | 1003 | 1010 | 1023 | rBV | 609026 | 1054549 | 22.11% | 1.653% |
| 7 | 10.551 | 1280 | 1286 | 1291 | rBV | 216618 | 372916 | 7.82% | 0.584% |
| 8 | 10.604 | 1291 | 1295 | 1307 | rVB | 79000 | 134497 | 2.82% | 0.211% |
| 9 | 12.222 | 1564 | 1570 | 1576 | rBV | 50687 | 81066 | 1.70% | 0.127% |
| 10 | 12.439 | 1602 | 1607 | 1616 | rVB | 35166 | 56072 | 1.18% | 0.088% |
| 11 | 13.022 | 1700 | 1706 | 1721 | rBV | 1241580 | 1903845 | 39.92% | 2.984% |
| 12 | 13.863 | 1844 | 1849 | 1857 | rBV | 239174 | 349319 | 7.32% | 0.547% |
| 13 | 14.133 | 1888 | 1895 | 1905 | rBV | 274449 | 435138 | 9.12% | 0.682% |
| 14 | 14.410 | 1932 | 1942 | 1949 | rBV | 348242 | 539051 | 11.30% | 0.845% |
| 15 | 15.010 | 2039 | 2044 | 2050 | rBV5 | 30987 | 60210 | 1.26% | 0.094% |
| 16 | 15.280 | 2085 | 2090 | 2095 | rVB | 51912 | 72660 | 1.52% | 0.114% |
| 17 | 15.480 | 2115 | 2124 | 2133 | rVB5 | 36197 | 104425 | 2.19% | 0.164% |
| 18 | 15.904 | 2187 | 2196 | 2209 | rBV | 1229578 | 1837733 | 38.53% | 2.880% |
| 19 | 16.139 | 2226 | 2236 | 2241 | rBV5 | 42735 | 93786 | 1.97% | 0.147% |
| 20 | 16.457 | 2284 | 2290 | 2295 | rBV5 | 24575 | 62625 | 1.31% | 0.098% |
| 21 | 16.739 | 2333 | 2338 | 2343 | rBV | 49459 | 77277 | 1.62% | 0.121% |
| 22 | 16.815 | 2346 | 2351 | 2359 | rVB | 78464 | 128657 | 2.70% | 0.202% |
| 23 | 16.980 | 2374 | 2379 | 2385 | rVB | 66072 | 103795 | 2.18% | 0.163% |
| 24 | 17.157 | 2404 | 2409 | 2413 | rBV2 | 469090 | 711867 | 14.93% | 1.116% |
| 25 | 17.204 | 2413 | 2417 | 2427 | rVB | 924749 | 1382167 | 28.98% | 2.166% |
| 26 | 17.292 | 2427 | 2432 | 2437 | rBV | 213177 | 322249 | 6.76% | 0.505% |
| 27 | 17.351 | 2437 | 2442 | 2447 | rVB2 | 48658 | 94010 | 1.97% | 0.147% |
| 28 | 17.633 | 2485 | 2490 | 2494 | rVV3 | 55120 | 91252 | 1.91% | 0.143% |
| 29 | 17.674 | 2494 | 2497 | 2503 | rVB | 106399 | 136218 | 2.86% | 0.213% |
| 30 | 17.739 | 2503 | 2508 | 2513 | rBV2 | 94631 | 139264 | 2.92% | 0.218% |
| 31 | 17.845 | 2521 | 2526 | 2529 | rBV5 | 34501 | 61594 | 1.29% | 0.097% |
| 32 | 17.880 | 2529 | 2532 | 2541 | rVB | 46223 | 84288 | 1.77% | 0.132% |
| 33 | 17.957 | 2541 | 2545 | 2548 | rBV | 43190 | 60531 | 1.27% | 0.095% |
| 34 | 18.033 | 2553 | 2558 | 2562 | rBV2 | 404622 | 646043 | 13.55% | 1.012% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\
Data File : BM020304.D
Acq On : 12 May 2019 18:30
Operator : JU/SJ
Sample : K2768-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** P026-SS013-1218-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BM043019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 18.080 | 2562 | 2566 | 2571 | rVB | 371521 | 528857 | 11.09% | 0.829% |
| 36 | 18.162 | 2576 | 2580 | 2585 | rVB | 82413 | 113572 | 2.38% | 0.178% |
| 37 | 18.221 | 2585 | 2590 | 2595 | rBV2 | 414759 | 805265 | 16.88% | 1.262% |
| 38 | 18.262 | 2595 | 2597 | 2606 | rVB | 291022 | 380903 | 7.99% | 0.597% |
| 39 | 18.345 | 2606 | 2611 | 2615 | rBV5 | 52452 | 79376 | 1.66% | 0.124% |
| 40 | 18.427 | 2622 | 2625 | 2630 | rVB2 | 60228 | 83457 | 1.75% | 0.131% |
| 41 | 18.533 | 2637 | 2643 | 2647 | rBV | 288558 | 422089 | 8.85% | 0.661% |
| 42 | 18.586 | 2647 | 2652 | 2661 | rVB | 339827 | 536689 | 11.25% | 0.841% |
| 43 | 18.692 | 2662 | 2670 | 2676 | rVB8 | 27822 | 85759 | 1.80% | 0.134% |
| 44 | 18.751 | 2676 | 2680 | 2682 | rBV2 | 49678 | 70627 | 1.48% | 0.111% |
| 45 | 18.780 | 2682 | 2685 | 2690 | rVB3 | 48611 | 63238 | 1.33% | 0.099% |
| 46 | 18.827 | 2690 | 2693 | 2697 | rVB | 76425 | 93660 | 1.96% | 0.147% |
| 47 | 18.868 | 2697 | 2700 | 2706 | rVB2 | 66899 | 91275 | 1.91% | 0.143% |
| 48 | 18.951 | 2709 | 2714 | 2721 | rBV2 | 317602 | 657628 | 13.79% | 1.031% |
| 49 | 19.045 | 2728 | 2730 | 2734 | rVB | 130614 | 143808 | 3.02% | 0.225% |
| 50 | 19.098 | 2734 | 2739 | 2751 | rBV2 | 304316 | 602972 | 12.64% | 0.945% |
| 51 | 19.221 | 2751 | 2760 | 2766 | rVV | 1756267 | 2474458 | 51.88% | 3.878% |
| 52 | 19.280 | 2766 | 2770 | 2774 | rVV | 115560 | 184402 | 3.87% | 0.289% |
| 53 | 19.321 | 2774 | 2777 | 2781 | rVV2 | 128113 | 183745 | 3.85% | 0.288% |
| 54 | 19.374 | 2781 | 2786 | 2790 | rVV | 362226 | 520564 | 10.91% | 0.816% |
| 55 | 19.421 | 2790 | 2794 | 2798 | rVV3 | 165988 | 262284 | 5.50% | 0.411% |
| 56 | 19.468 | 2798 | 2802 | 2803 | rVV2 | 96296 | 135424 | 2.84% | 0.212% |
| 57 | 19.492 | 2803 | 2806 | 2810 | rVV | 156910 | 223210 | 4.68% | 0.350% |
| 58 | 19.592 | 2813 | 2823 | 2830 | rVV | 3274389 | 4769296 | 100.00% | 7.474% |
| 59 | 19.656 | 2830 | 2834 | 2839 | rVB2 | 138685 | 208704 | 4.38% | 0.327% |
| 60 | 19.786 | 2851 | 2856 | 2866 | rVB | 2512175 | 3143394 | 65.91% | 4.926% |
| 61 | 19.909 | 2871 | 2877 | 2886 | rBV3 | 304656 | 793882 | 16.65% | 1.244% |
| 62 | 19.992 | 2887 | 2891 | 2894 | rBV4 | 91082 | 144305 | 3.03% | 0.226% |
| 63 | 20.051 | 2894 | 2901 | 2903 | rBV5 | 360084 | 702921 | 14.74% | 1.102% |
| 64 | 20.180 | 2920 | 2923 | 2929 | rVV2 | 136839 | 200719 | 4.21% | 0.315% |
| 65 | 20.239 | 2929 | 2933 | 2937 | rVB | 559347 | 662541 | 13.89% | 1.038% |
| 66 | 20.339 | 2947 | 2950 | 2952 | rVB2 | 48982 | 52722 | 1.11% | 0.083% |
| 67 | 20.380 | 2952 | 2957 | 2961 | rBV | 489519 | 631308 | 13.24% | 0.989% |
| 68 | 20.427 | 2961 | 2965 | 2973 | rVB | 360086 | 506790 | 10.63% | 0.794% |
| 69 | 20.739 | 3016 | 3018 | 3021 | rBV3 | 48286 | 47755 | 1.00% | 0.075% |
| 70 | 20.827 | 3029 | 3033 | 3039 | rVB | 334519 | 480282 | 10.07% | 0.753% |
| 71 | 20.915 | 3045 | 3048 | 3052 | rVB | 75613 | 94893 | 1.99% | 0.149% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\
Data File : BM020304.D
Acq On : 12 May 2019 18:30
Operator : JU/SJ
Sample : K2768-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** P026-SS013-1218-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BM043019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 20.992 | 3053 | 3061 | 3065 | rVV2 | 307991 | 636403 | 13.34% | 0.997% |
| 73 | 21.039 | 3065 | 3069 | 3072 | rVV2 | 527190 | 817602 | 17.14% | 1.281% |
| 74 | 21.068 | 3072 | 3074 | 3078 | rVV | 329553 | 408567 | 8.57% | 0.640% |
| 75 | 21.127 | 3081 | 3084 | 3090 | rVB2 | 268640 | 365618 | 7.67% | 0.573% |
| 76 | 21.339 | 3114 | 3120 | 3125 | rBV3 | 1697894 | 3613167 | 75.76% | 5.662% |
| 77 | 21.386 | 3125 | 3128 | 3134 | rVB | 1582357 | 2085648 | 43.73% | 3.269% |
| 78 | 21.556 | 3153 | 3157 | 3170 | rVB | 648169 | 1089485 | 22.84% | 1.707% |
| 79 | 21.709 | 3180 | 3183 | 3187 | rBV4 | 122268 | 165141 | 3.46% | 0.259% |
| 80 | 21.850 | 3203 | 3207 | 3209 | rBV2 | 118319 | 157396 | 3.30% | 0.247% |
| 81 | 21.903 | 3210 | 3216 | 3221 | rVV | 376505 | 720027 | 15.10% | 1.128% |
| 82 | 21.956 | 3221 | 3225 | 3231 | rVB2 | 278017 | 505437 | 10.60% | 0.792% |
| 83 | 22.027 | 3233 | 3237 | 3240 | rBV2 | 163634 | 227110 | 4.76% | 0.356% |
| 84 | 22.103 | 3246 | 3250 | 3253 | rBV2 | 196898 | 310470 | 6.51% | 0.487% |
| 85 | 22.133 | 3253 | 3255 | 3260 | rVB2 | 223125 | 276446 | 5.80% | 0.433% |
| 86 | 22.209 | 3265 | 3268 | 3273 | rVB | 183840 | 239485 | 5.02% | 0.375% |
| 87 | 22.950 | 3388 | 3394 | 3406 | rVB2 | 1137156 | 3372749 | 70.72% | 5.286% |
| 88 | 23.121 | 3418 | 3423 | 3431 | rVB | 261692 | 532347 | 11.16% | 0.834% |
| 89 | 23.439 | 3471 | 3477 | 3487 | rVB | 1068853 | 1962618 | 41.15% | 3.076% |
| 90 | 23.539 | 3488 | 3494 | 3501 | rVV | 1221789 | 2241522 | 47.00% | 3.513% |
| 91 | 23.639 | 3506 | 3511 | 3516 | rVB | 419262 | 737892 | 15.47% | 1.156% |
| 92 | 24.527 | 3657 | 3662 | 3676 | rVB2 | 171049 | 467519 | 9.80% | 0.733% |
| 93 | 25.962 | 3898 | 3906 | 3918 | rVB2 | 596680 | 1768677 | 37.08% | 2.772% |
| 94 | 26.680 | 4020 | 4028 | 4048 | rVB2 | 517533 | 1825422 | 38.27% | 2.861% |

Sum of corrected areas: 63809897

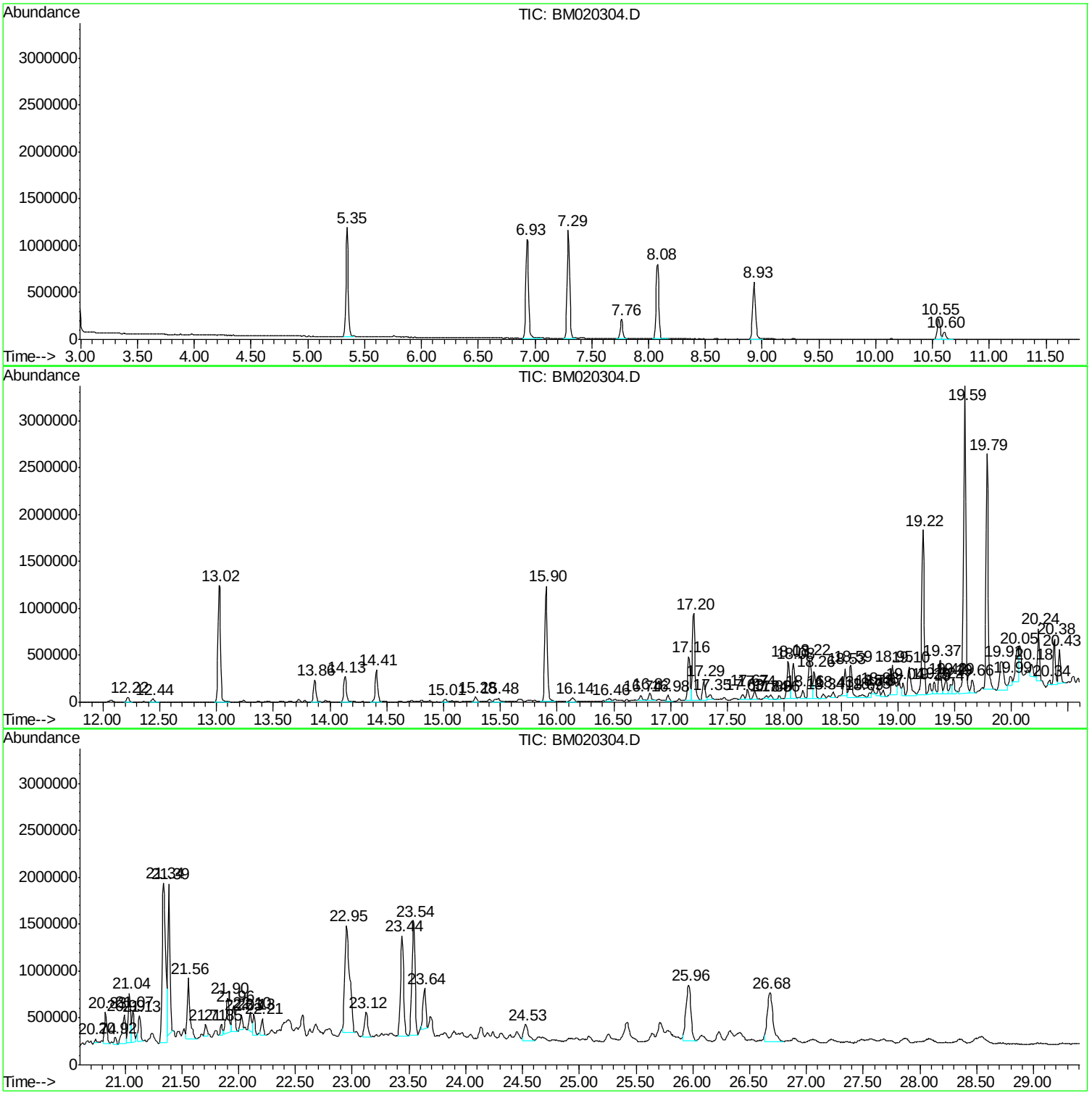
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\
Data File : BM020304.D
Acq On : 12 May 2019 18:30
Operator : JU/SJ
Sample : K2768-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** P026-SS013-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\
Data File : BM020304.D
Acq On : 12 May 2019 18:30
Operator : JU/SJ
Sample : K2768-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** P026-SS013-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

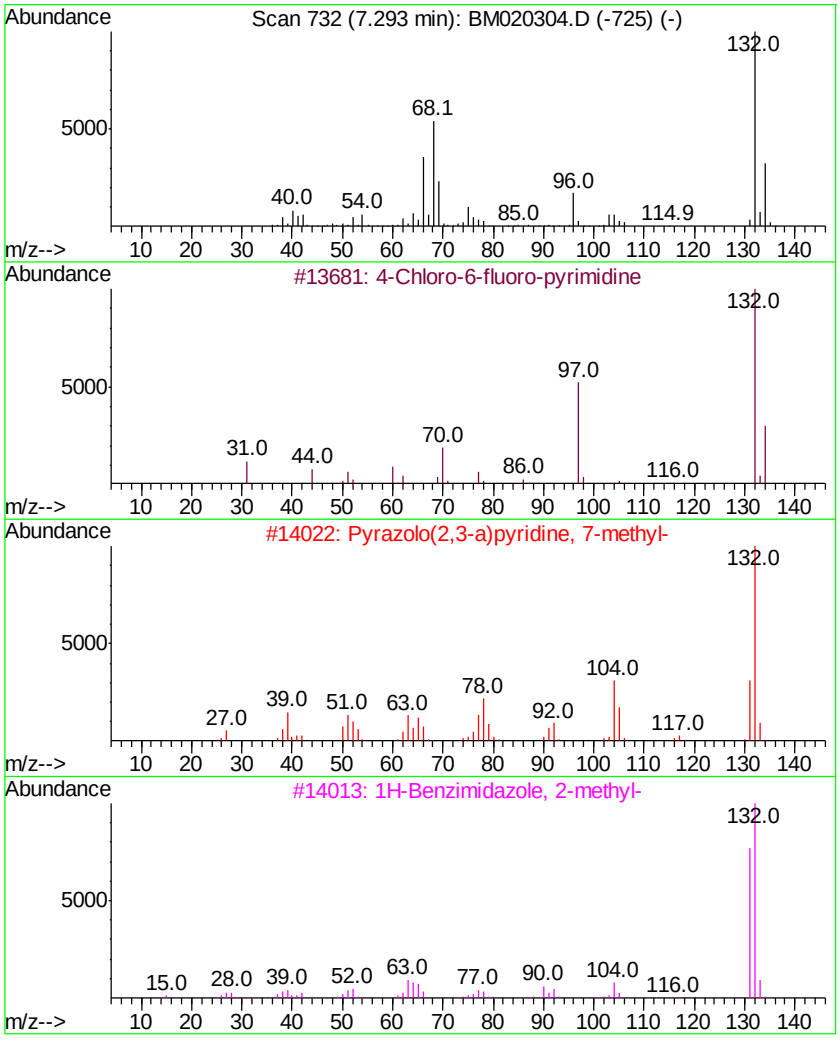
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

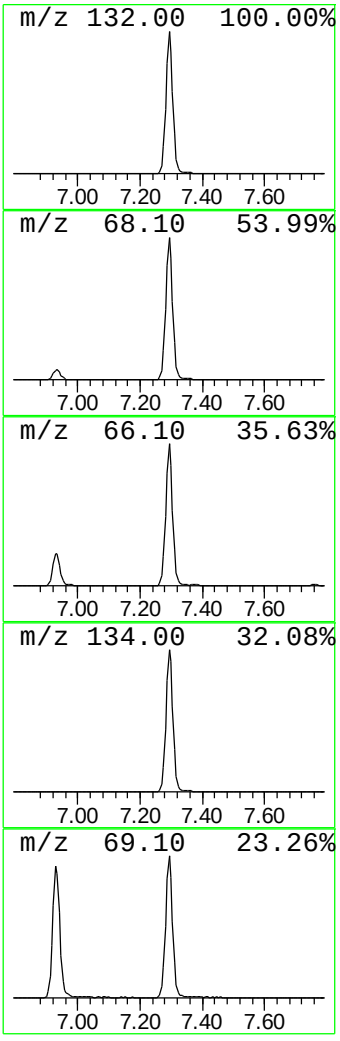
**********

Peak Number 1 unknown7.29 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.29 | 109.04 ng | 1813040 | 1,4-Dichlorobenzene-d4 | 7.76 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 27 |
| 2 | Pyrazolo(2,3-a)pyridine, 7-methyl- | 132 | C8H8N2 | 034760-58-2 | 22 |
| 3 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 22 |
| 4 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 16 |
| 5 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 12 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\
Data File : BM020304.D
Acq On : 12 May 2019 18:30
Operator : JU/SJ
Sample : K2768-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** P026-SS013-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

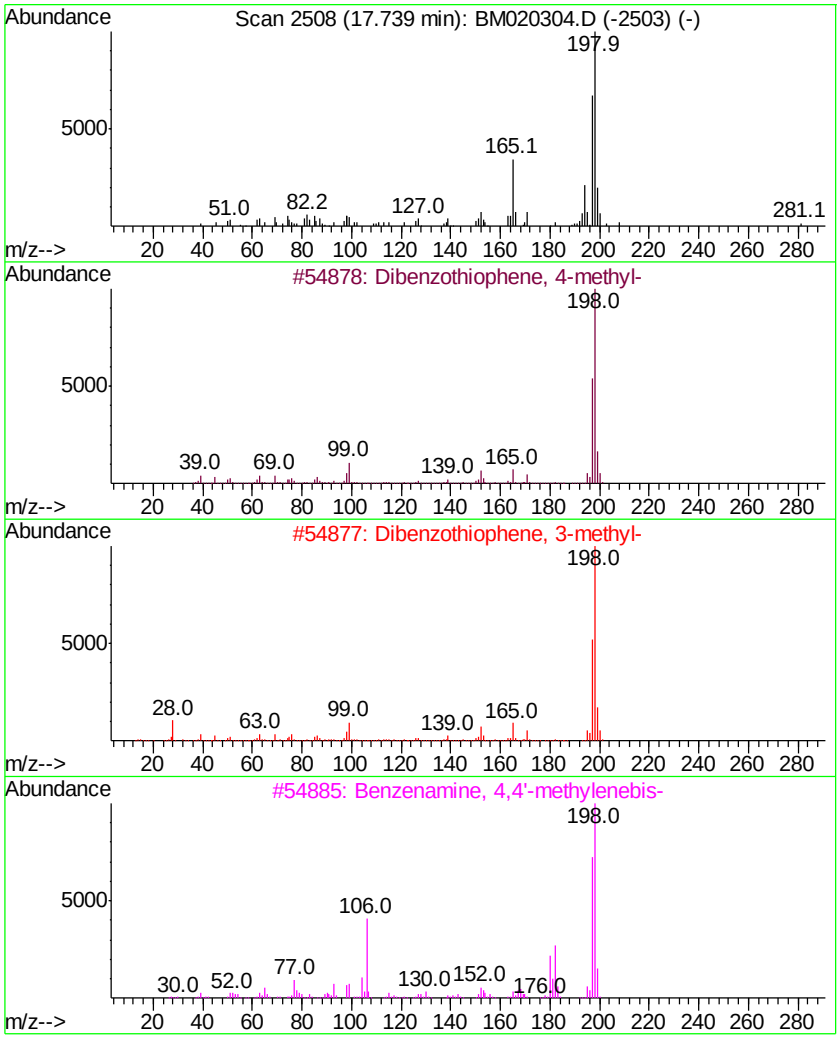
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

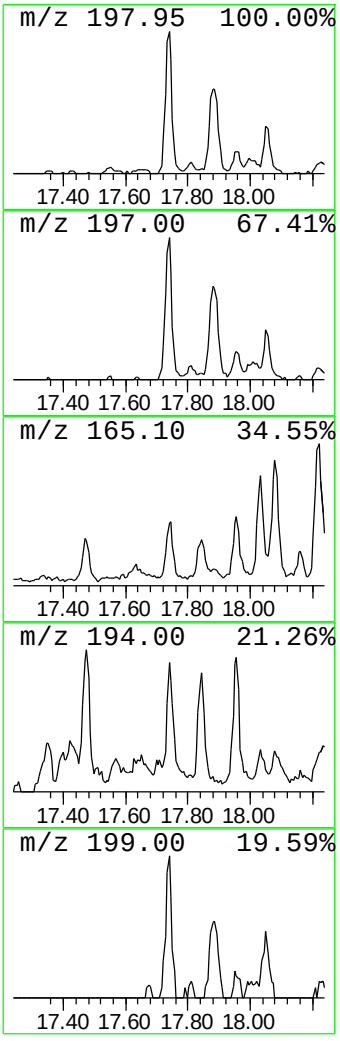
**********

Peak Number 3 Dibenzothiophene, 4-methyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.74 | 3.91 ng | 139264 | Phenanthrene-d10 | 17.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene, 4-methyl- | 198 | C13H10S | 007372-88-5 | 81 |
| 2 | Dibenzothiophene, 3-methyl- | 198 | C13H10S | 016587-52-3 | 76 |
| 3 | Benzenamine, 4,4'-methylenebis- | 198 | C13H14N2 | 000101-77-9 | 64 |
| 4 | Thioxanthene | 198 | C13H10S | 000261-31-4 | 64 |
| 5 | Benzene, 1,1'-(1-fluoro-1,2-ethe... | 198 | C14H11F | 000671-19-2 | 59 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\
Data File : BM020304.D
Acq On : 12 May 2019 18:30
Operator : JU/SJ
Sample : K2768-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** P026-SS013-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

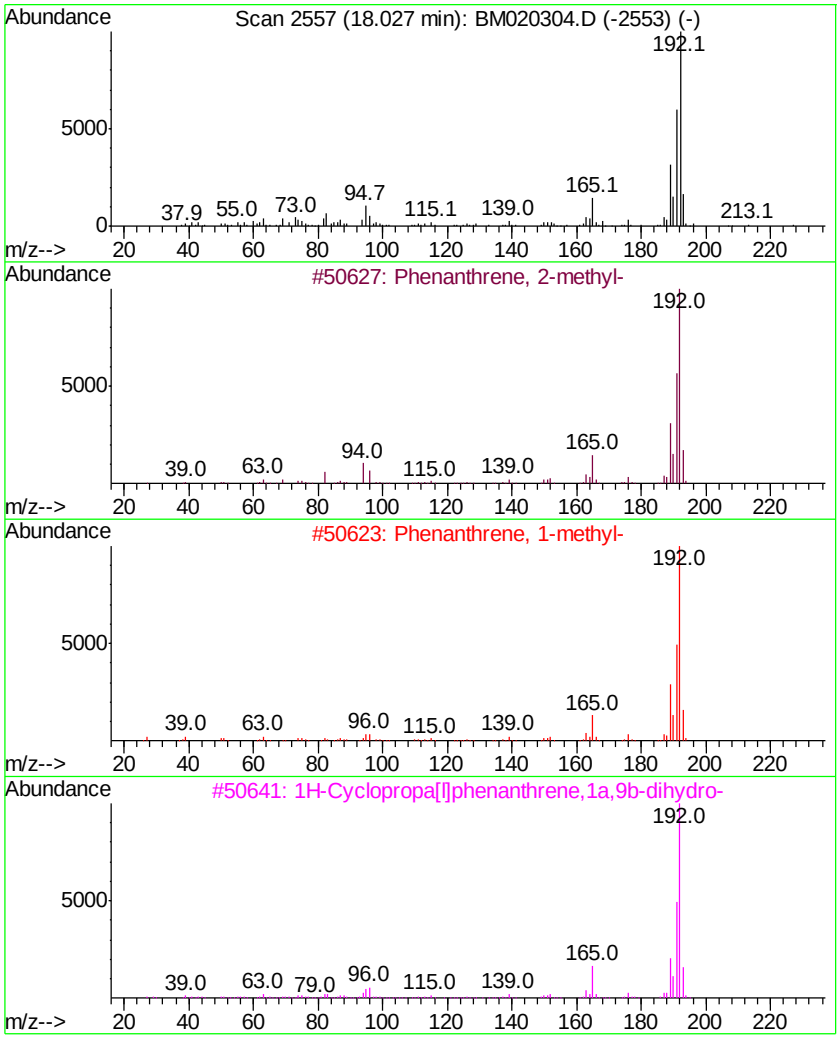
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

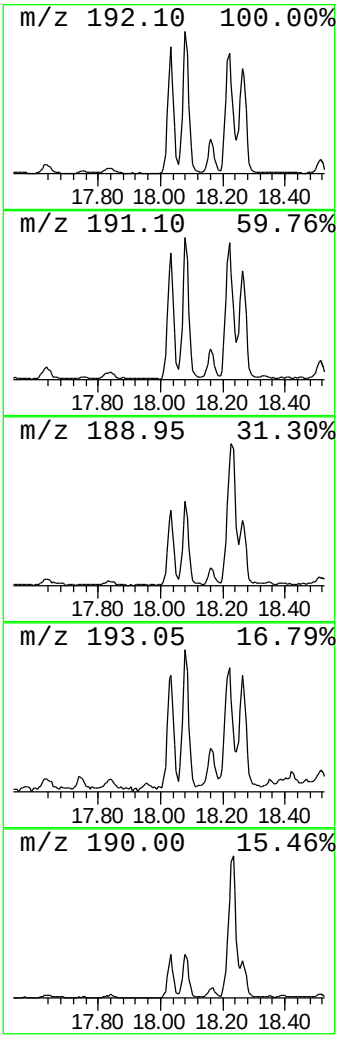
**********

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.03 | 18.15 ng | 646043 | Phenanthrene-d10 | 17.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 98 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 97 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 96 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |
| 5 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 95 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\
Data File : BM020304.D
Acq On : 12 May 2019 18:30
Operator : JU/SJ
Sample : K2768-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** P026-SS013-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

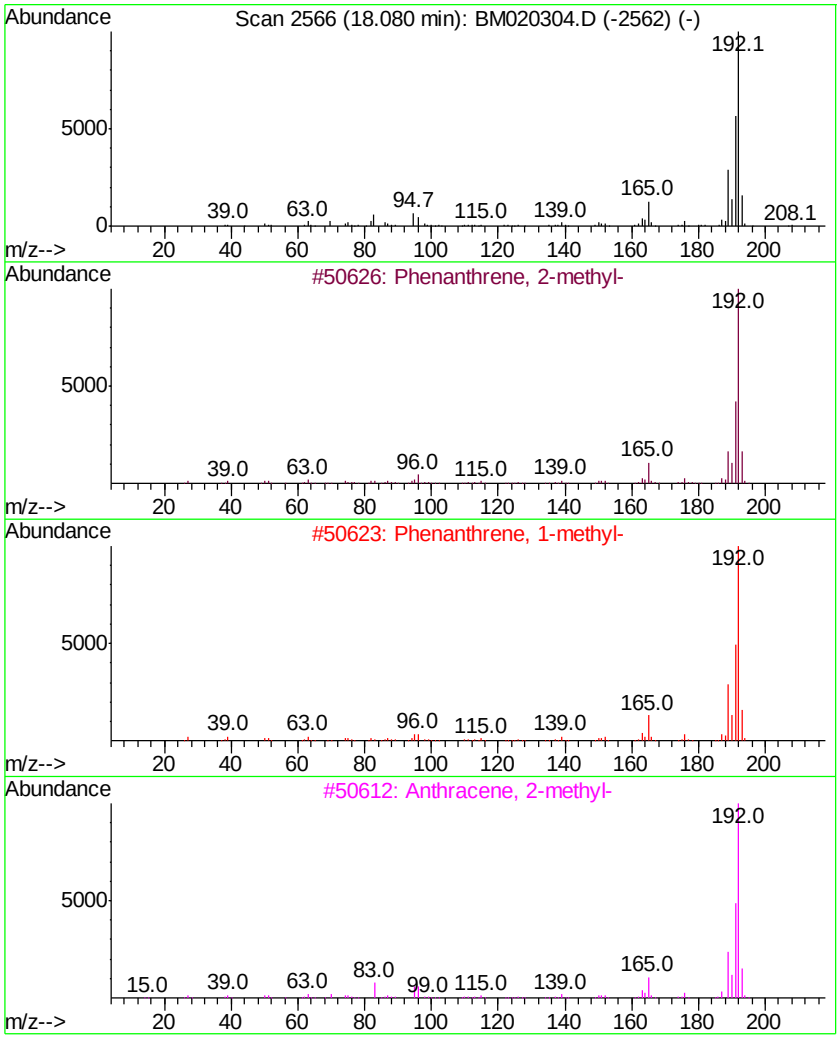
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

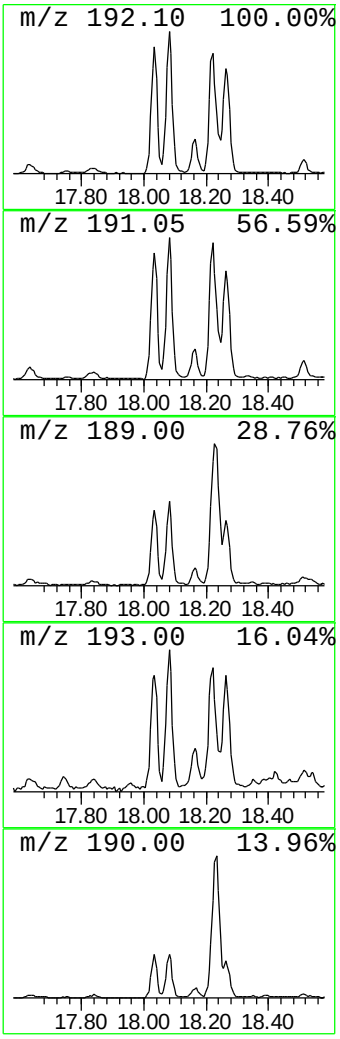
**********

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.08 | 14.86 ng | 528857 | Phenanthrene-d10 | 17.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 97 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 96 |
| 4 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 95 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 93 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\
Data File : BM020304.D
Acq On : 12 May 2019 18:30
Operator : JU/SJ
Sample : K2768-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** P026-SS013-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

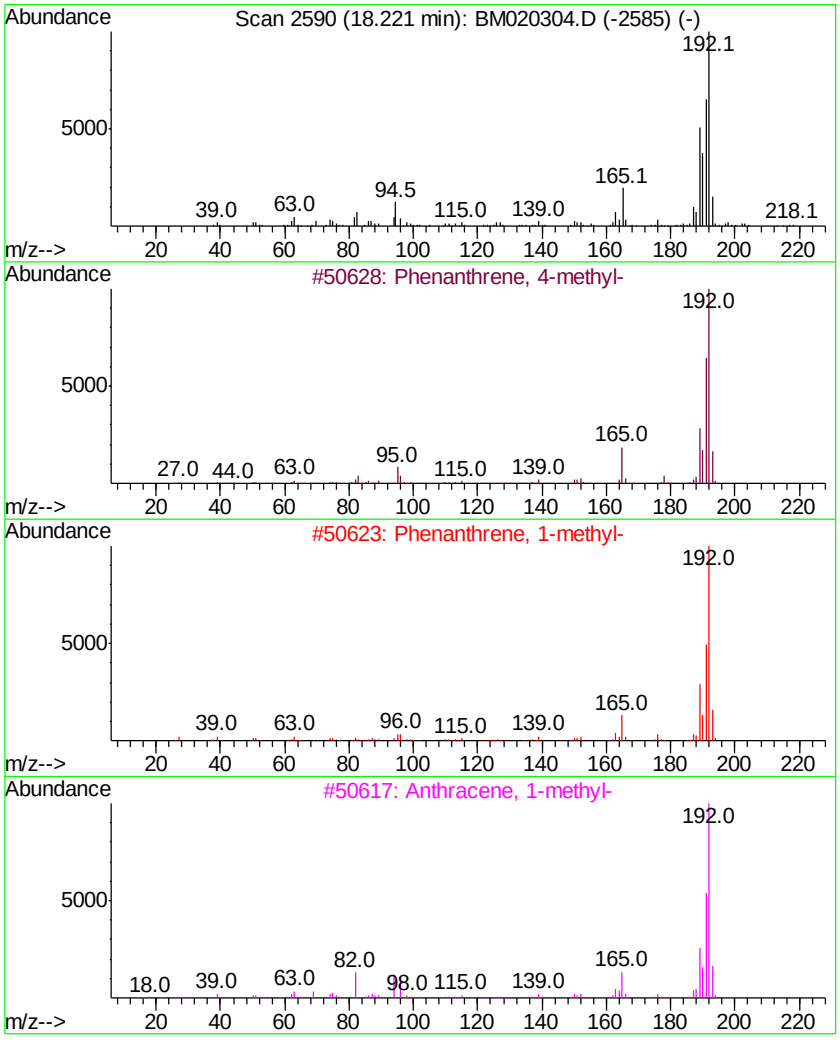
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

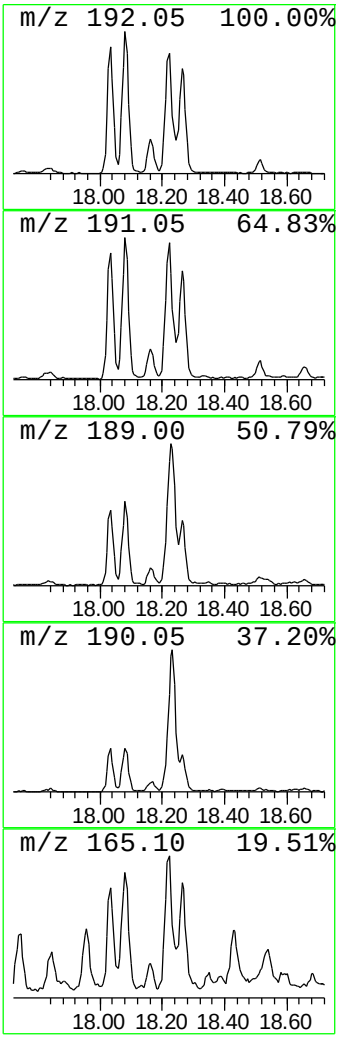
**********

Peak Number 6 Phenanthrene, 4-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.22 | 22.62 ng | 805265 | Phenanthrene-d10 | 17.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 91 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 91 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 83 |
| 4 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 70 |
| 5 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 70 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\
Data File : BM020304.D
Acq On : 12 May 2019 18:30
Operator : JU/SJ
Sample : K2768-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** P026-SS013-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

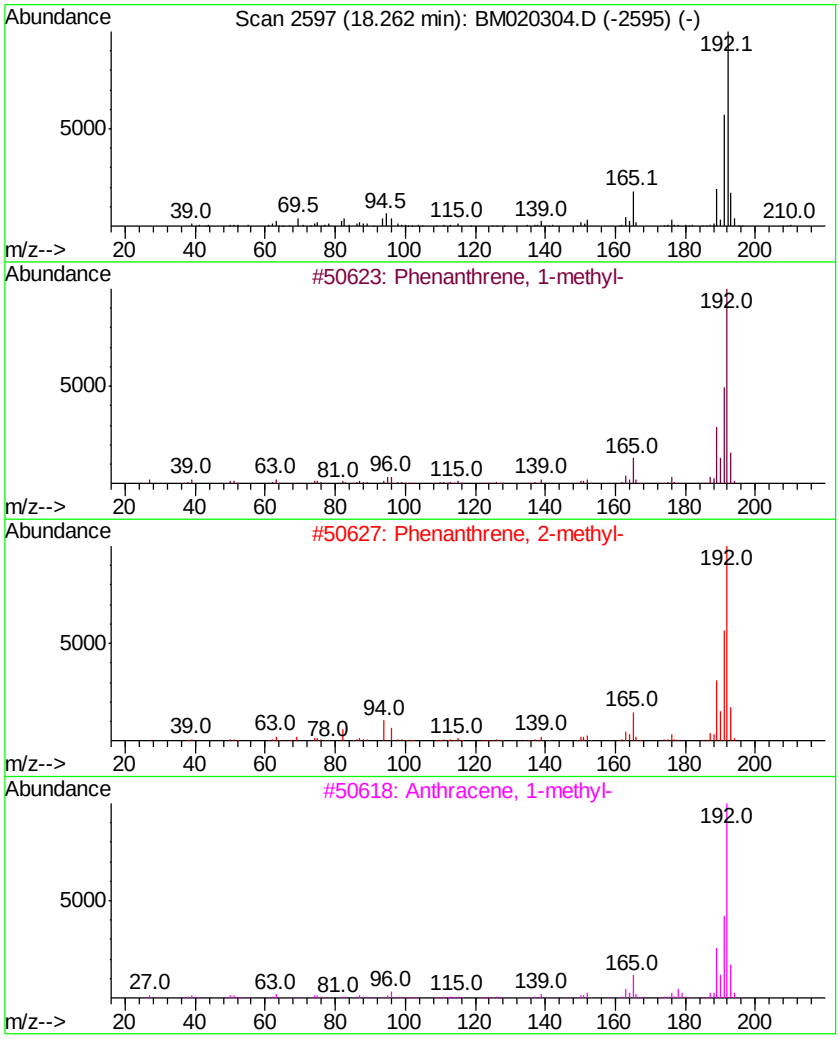
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

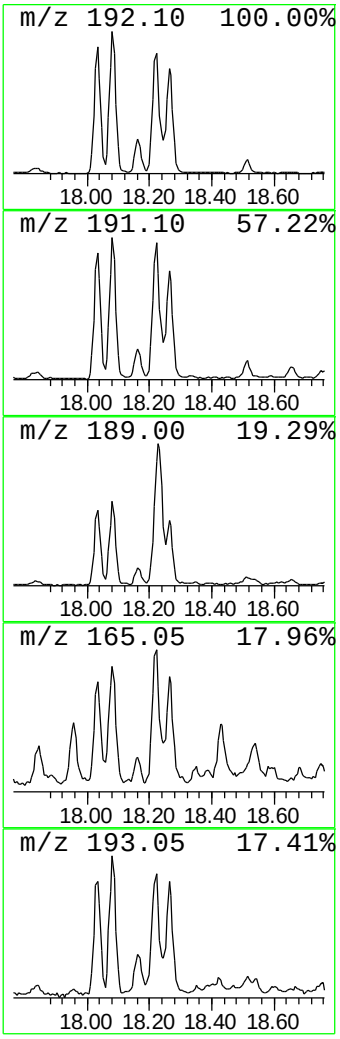
**********

Peak Number 7 Anthracene, 1-methyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.26 | 10.70 ng | 380903 | Phenanthrene-d10 | 17.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 91 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 87 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 83 |
| 4 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 83 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 81 |



# Library Search Compound Report

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Data File : BM020304.D
Acq On : 12 May 2019 18:30
Operator : JU/SJ
Sample : K2768-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** P026-SS013-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

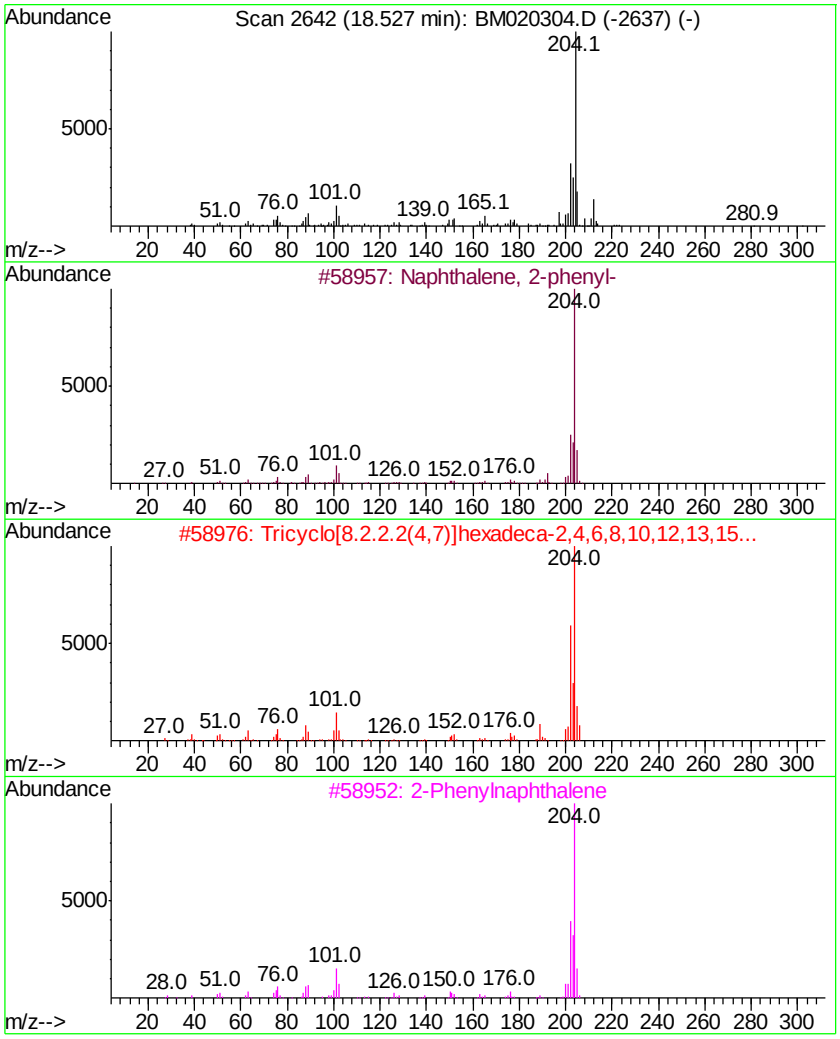
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

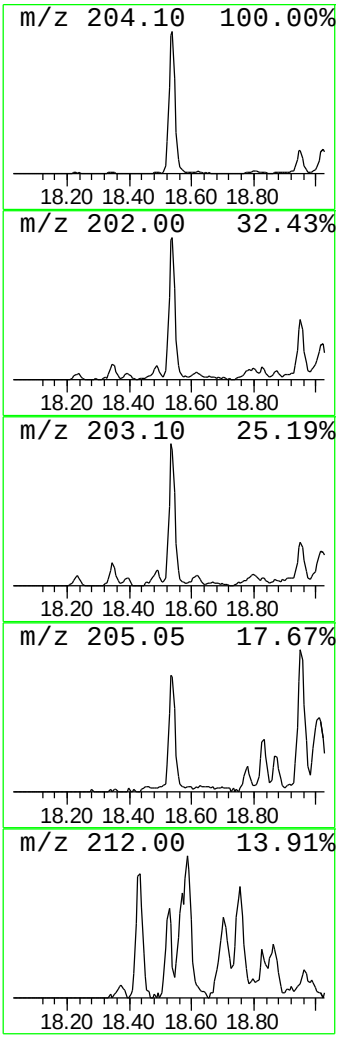
**********

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.53 | 11.86 ng | 422089 | Phenanthrene-d10 | 17.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 81 |
| 2 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 81 |
| 3 | 2-Phenylnaphthalene | 204 | C16H12 | 035465-71-5 | 76 |
| 4 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 72 |
| 5 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 58 |



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Data File : BM020304.D
Acq On : 12 May 2019 18:30
Operator : JU/SJ
Sample : K2768-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** P026-SS013-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

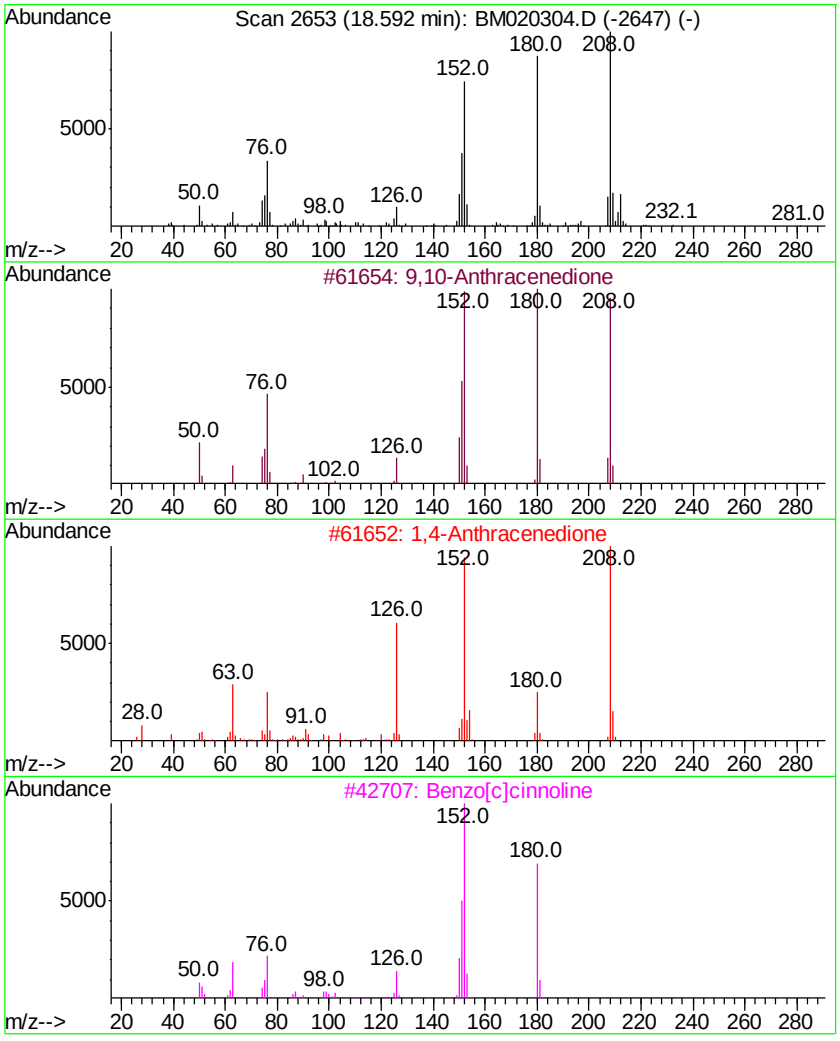
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

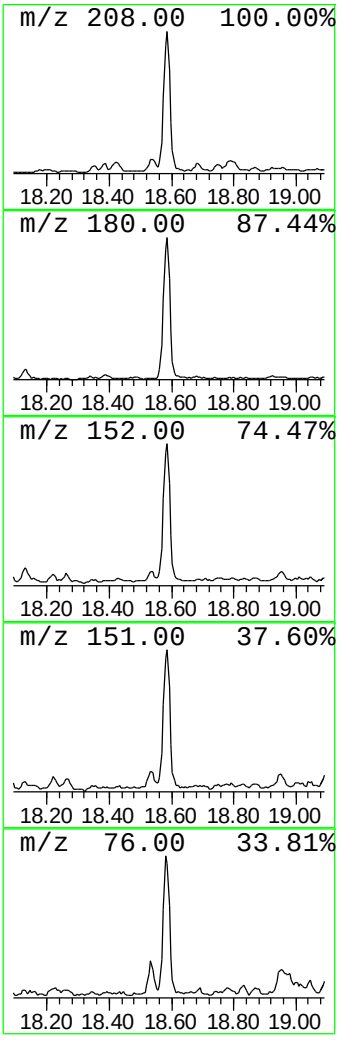
**********

Peak Number 9 9,10-Anthracenedione Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.59 | 15.08 ng | 536689 | Phenanthrene-d10 | 17.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 95 |
| 2 | 1,4-Anthracenedione | 208 | C14H8O2 | 000635-12-1 | 70 |
| 3 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 60 |
| 4 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 60 |
| 5 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 52 |



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Data File : BM020304.D
Acq On : 12 May 2019 18:30
Operator : JU/SJ
Sample : K2768-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** P026-SS013-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

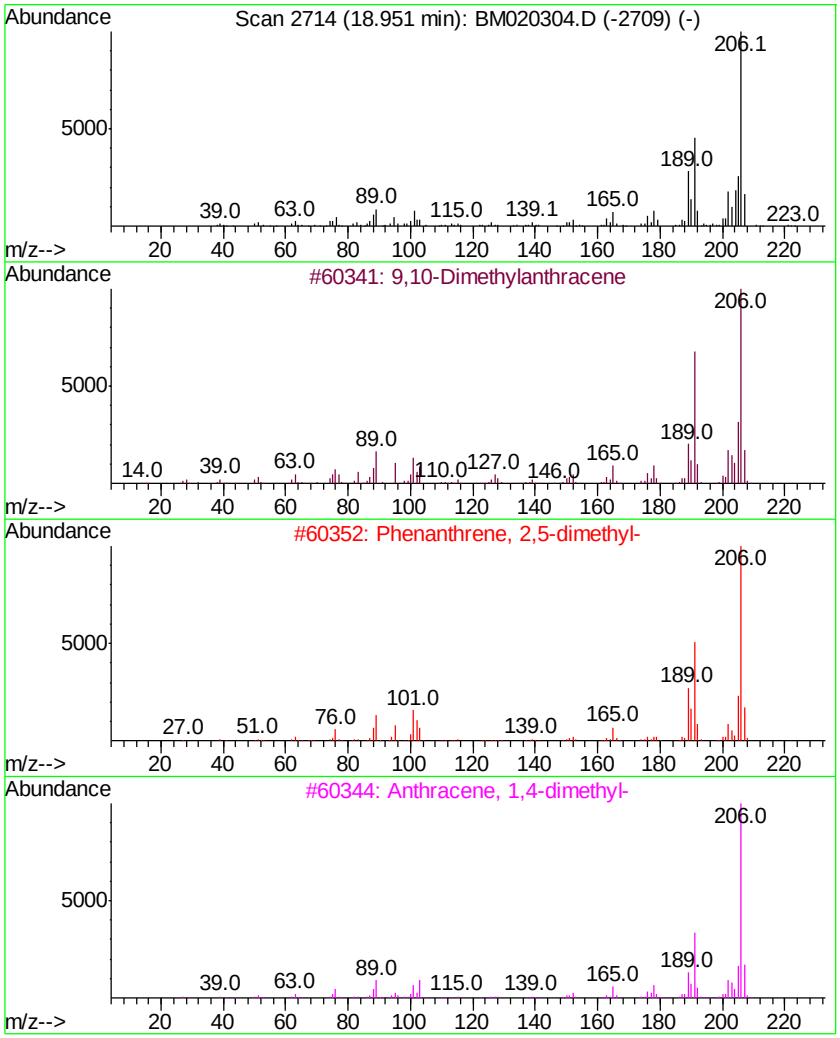
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

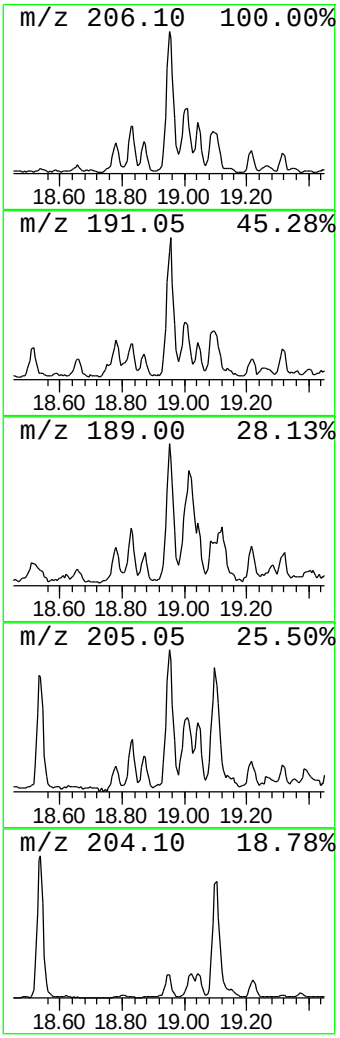
**********

Peak Number 10 9,10-Dimethylanthracene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.95 | 18.48 ng | 657628 | Phenanthrene-d10 | 17.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 95 |
| 2 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 91 |
| 3 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 90 |
| 4 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 87 |
| 5 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 81 |



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Data File : BM020304.D
Acq On : 12 May 2019 18:30
Operator : JU/SJ
Sample : K2768-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** P026-SS013-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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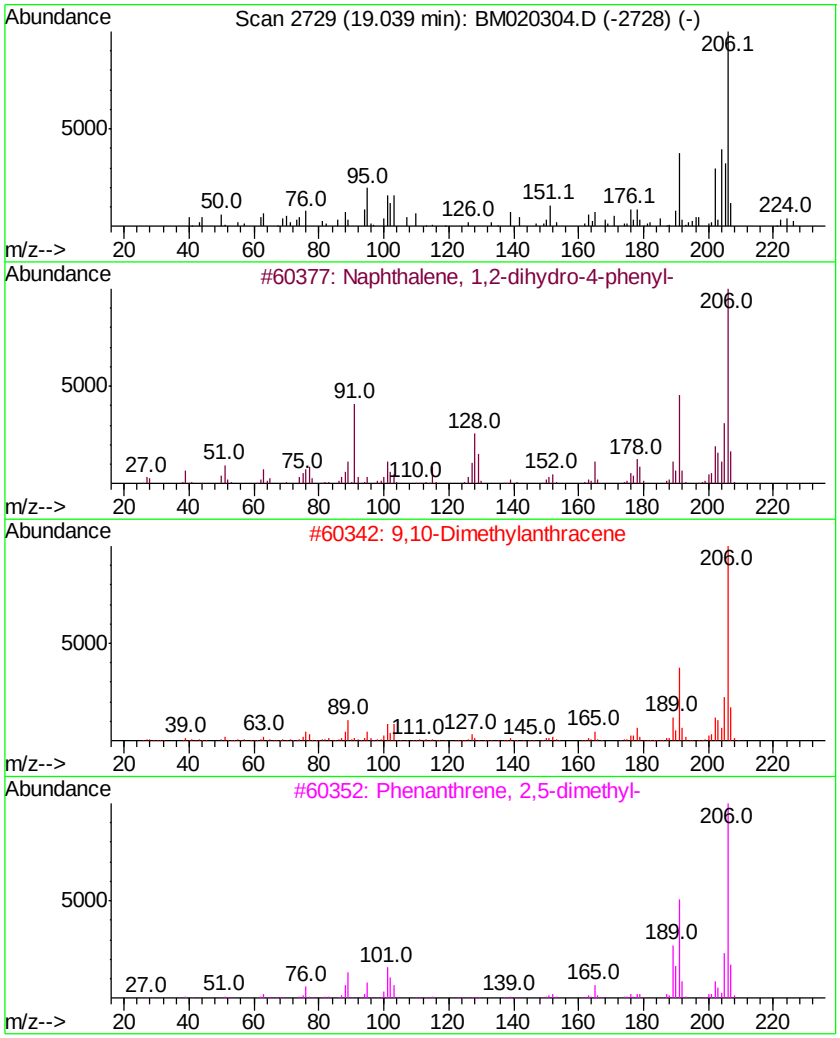
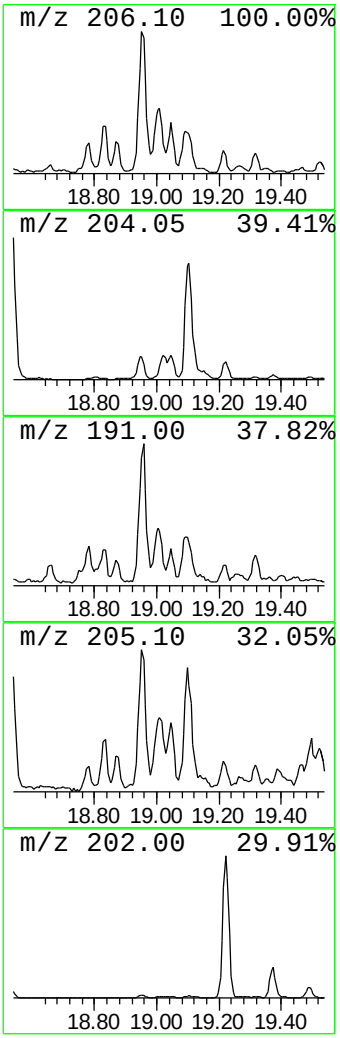
Peak Number 11 Naphthalene, 1,2-dihydro-4-... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.04 | 4.04 ng | 143808 | Phenanthrene-d10 | 17.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2-dihydro-4-phenyl- | 206 | C16H14 | 007469-40-1 | 90 |
| 2 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 76 |
| 3 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 58 |
| 4 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 58 |
| 5 | 1,4-Diphenyl-1,3-butadiene | 206 | C16H14 | 000886-65-7 | 53 |



Library Search Compound Report

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Data File : BM020304.D
Acq On : 12 May 2019 18:30
Operator : JU/SJ
Sample : K2768-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** P026-SS013-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

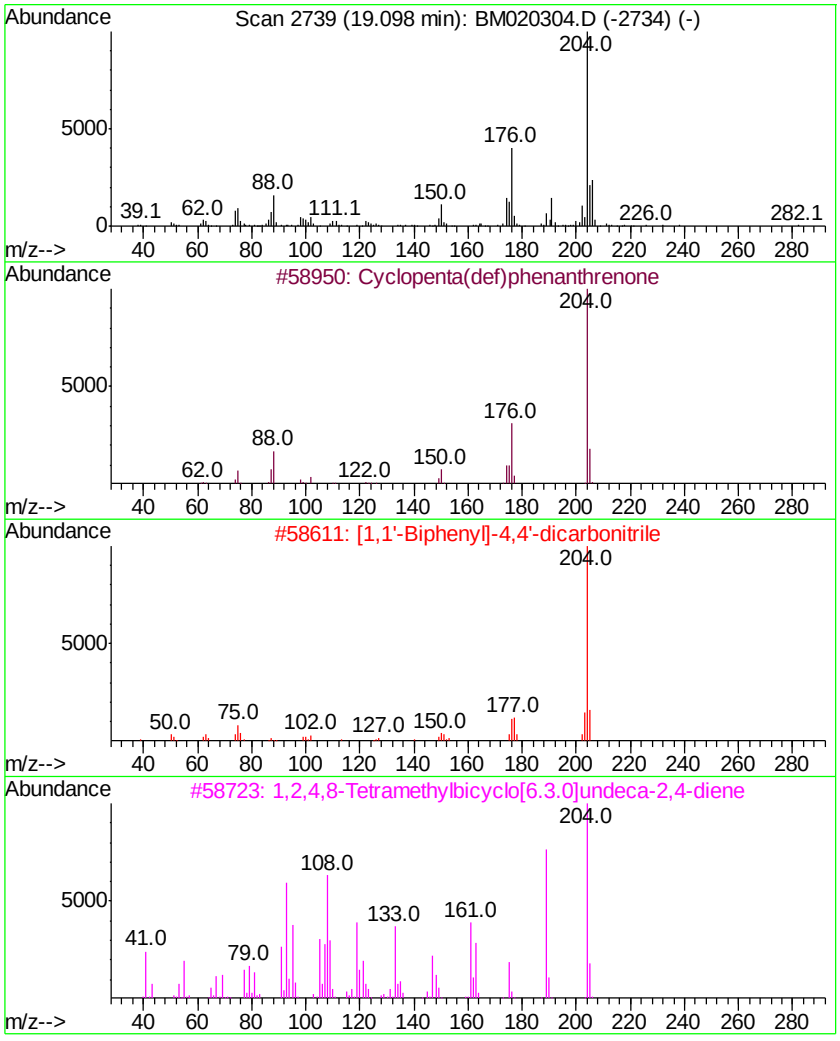
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

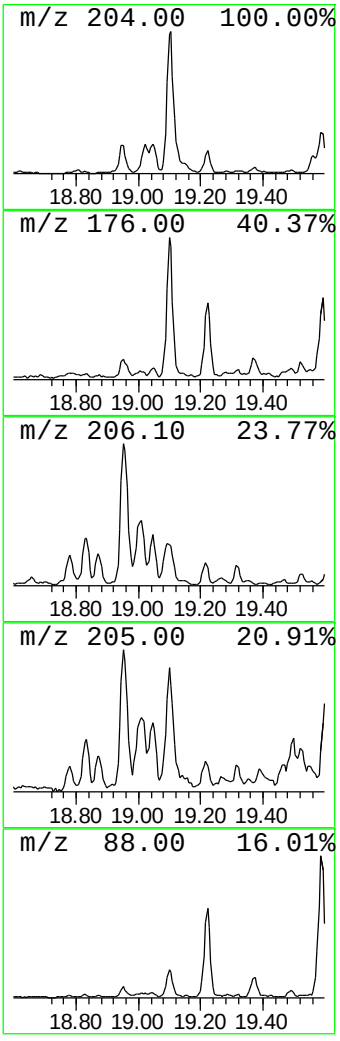
**********

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.10 | 16.94 ng | 602972 | Phenanthrene-d10 | 17.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 94 |
| 2 | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2 | 001591-30-6 | 50 |
| 3 | 1,2,4,8-Tetramethylbicyclo[6.3.0... | 204 | C15H24 | 137235-51-9 | 45 |
| 4 | [1,1'-Biphenyl]-4-ol, 4'-chloro- | 204 | C12H9ClO | 028034-99-3 | 43 |
| 5 | 3,4-Biphenyldicarbonitrile | 204 | C14H8N2 | 004128-63-6 | 42 |



# Library Search Compound Report

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Data File : BM020304.D
Acq On : 12 May 2019 18:30
Operator : JU/SJ
Sample : K2768-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** P026-SS013-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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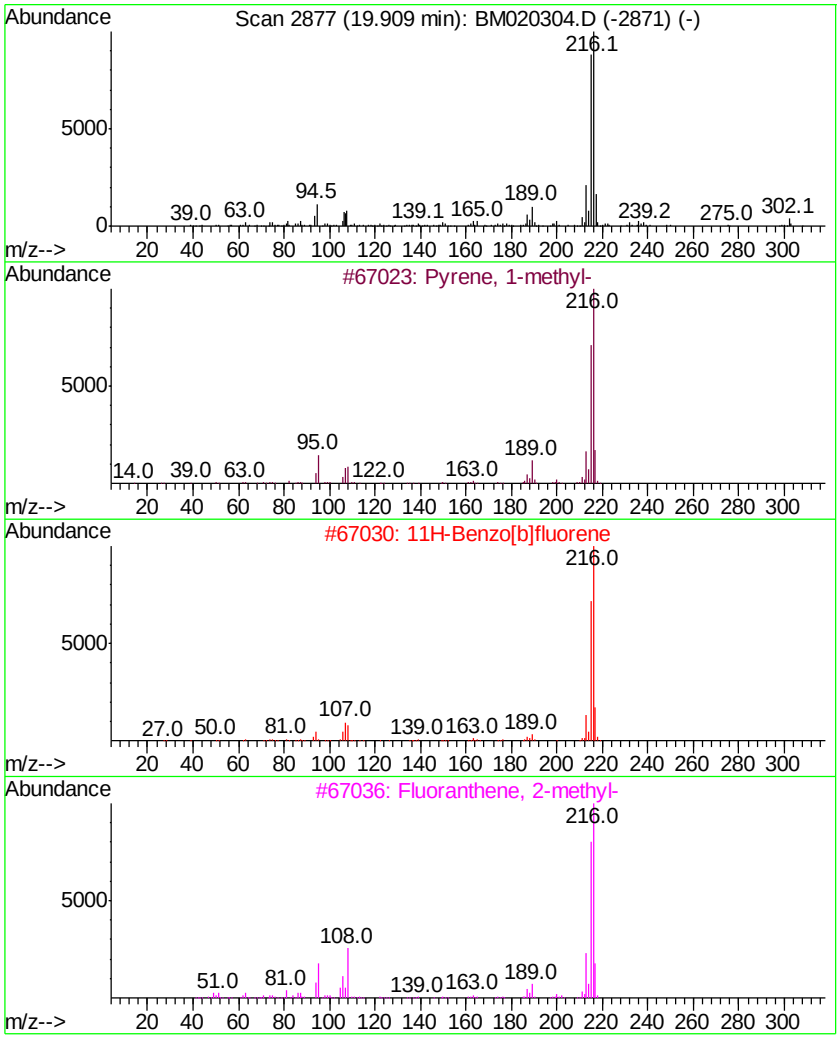
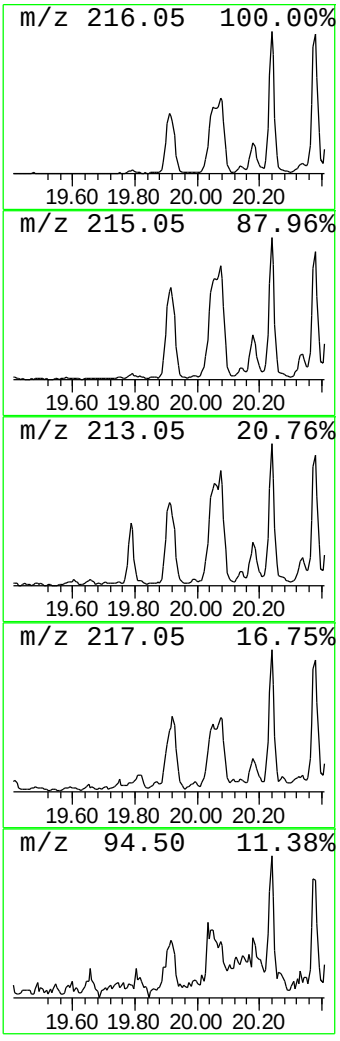
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.91 | 4.39 ng | 793882 | Chrysene-d12 | 21.35 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 95 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 94 |
| 3 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 93 |
| 4 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 93 |
| 5 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 89 |



Library Search Compound Report

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Data File : BM020304.D
Acq On : 12 May 2019 18:30
Operator : JU/SJ
Sample : K2768-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** P026-SS013-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

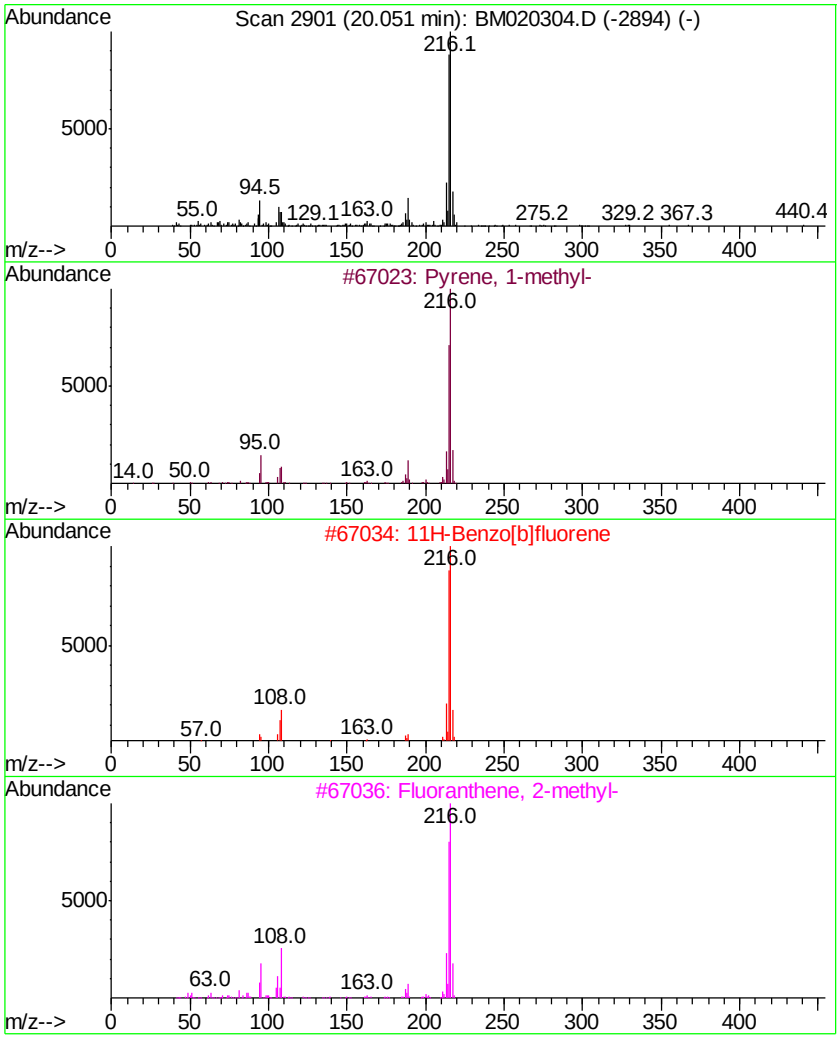
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

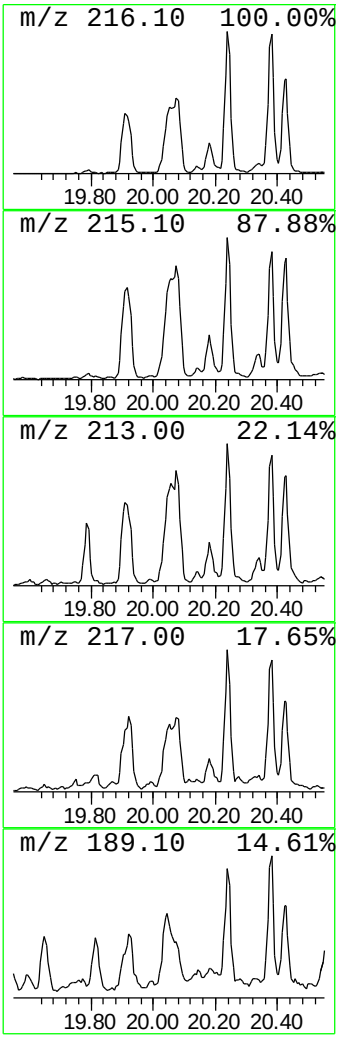
**********

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.05 | 3.89 ng | 702921 | Chrysene-d12 | 21.35 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 95 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 90 |
| 3 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 81 |
| 4 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 81 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 72 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\
Data File : BM020304.D
Acq On : 12 May 2019 18:30
Operator : JU/SJ
Sample : K2768-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** P026-SS013-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

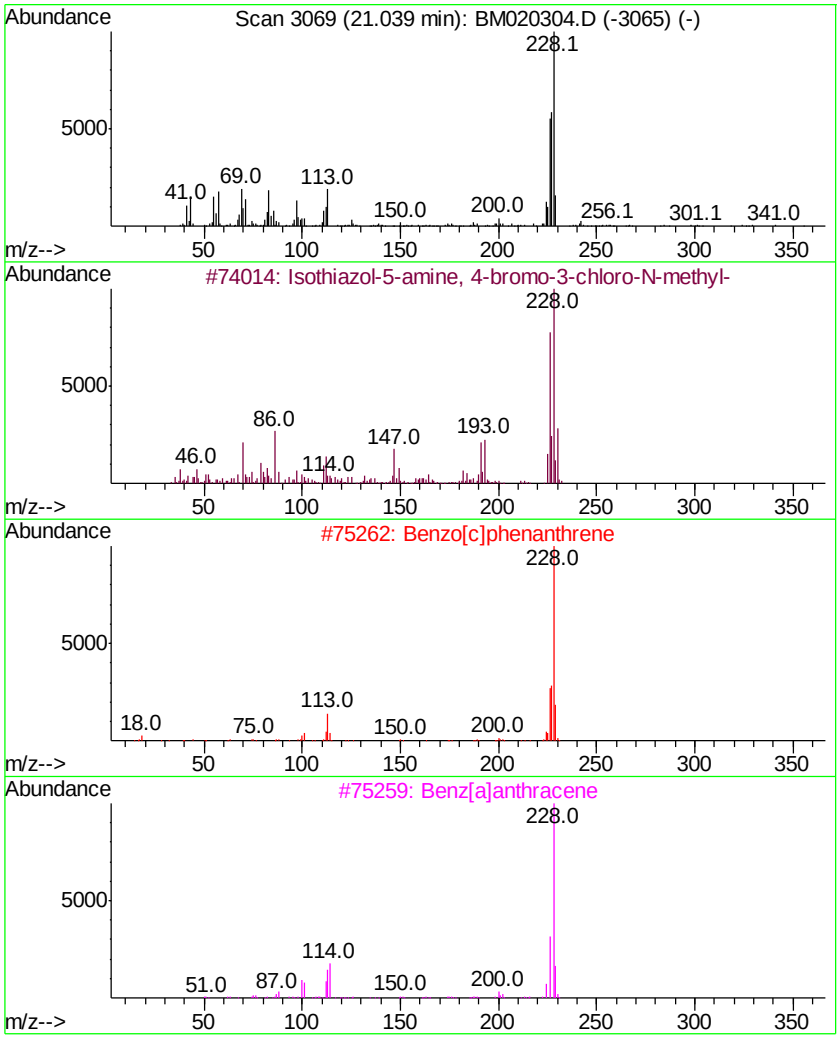
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

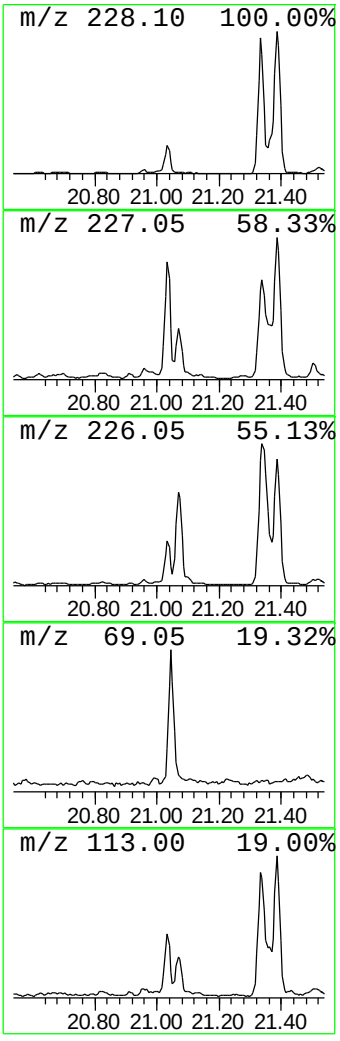
**********

Peak Number 15 Isothiazol-5-amine, 4-bromo... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.04 | 4.53 ng | 817602 | Chrysene-d12 | 21.35 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Isothiazol-5-amine, 4-bromo-3-ch... | 226 | C4H4BrClN2S | 1000272-59-9 | 58 |
| 2 | Benzo[c]phenanthrene | 228 | C18H12 | 000195-19-7 | 52 |
| 3 | Benz[a]anthracene | 228 | C18H12 | 000056-55-3 | 50 |
| 4 | Chrysene | 228 | C18H12 | 000218-01-9 | 49 |
| 5 | Triphenylene | 228 | C18H12 | 000217-59-4 | 46 |



# Library Search Compound Report

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Data File : BM020304.D
Acq On : 12 May 2019 18:30
Operator : JU/SJ
Sample : K2768-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** P026-SS013-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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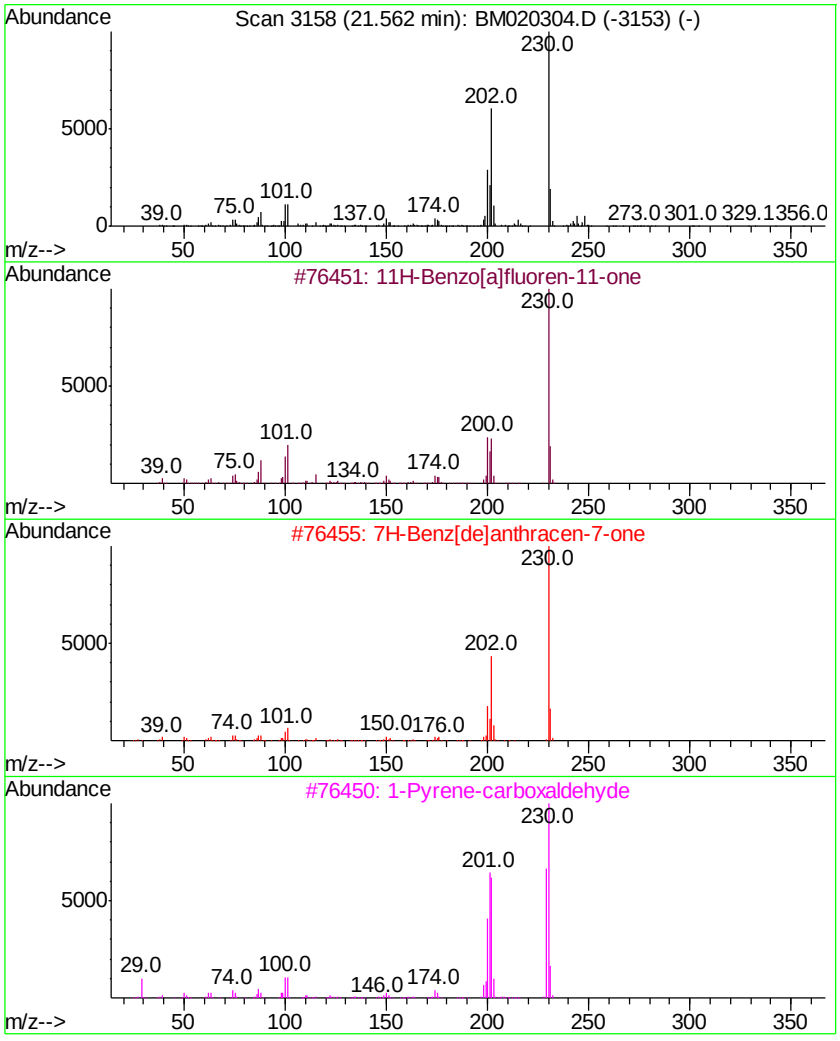
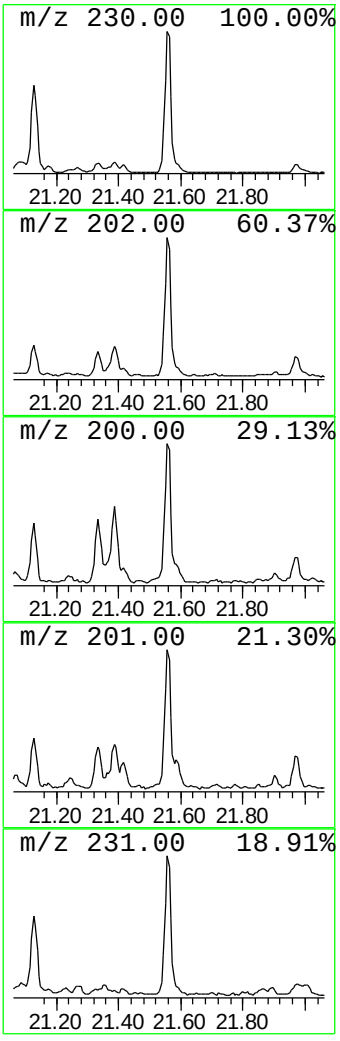
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.56 | 6.03 ng | 1089490 | Chrysene-d12 | 21.35 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 96 |
| 2 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 95 |
| 3 | 1-Pyrene-carboxaldehyde | 230 | C17H10O | 003029-19-4 | 89 |
| 4 | Fluoranthene | 202 | C16H10 | 000206-44-0 | 78 |
| 5 | Pyrene, 1,3-dimethyl- | 230 | C18H14 | 064401-21-4 | 47 |



Library Search Compound Report

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Data File : BM020304.D
Acq On : 12 May 2019 18:30
Operator : JU/SJ
Sample : K2768-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** P026-SS013-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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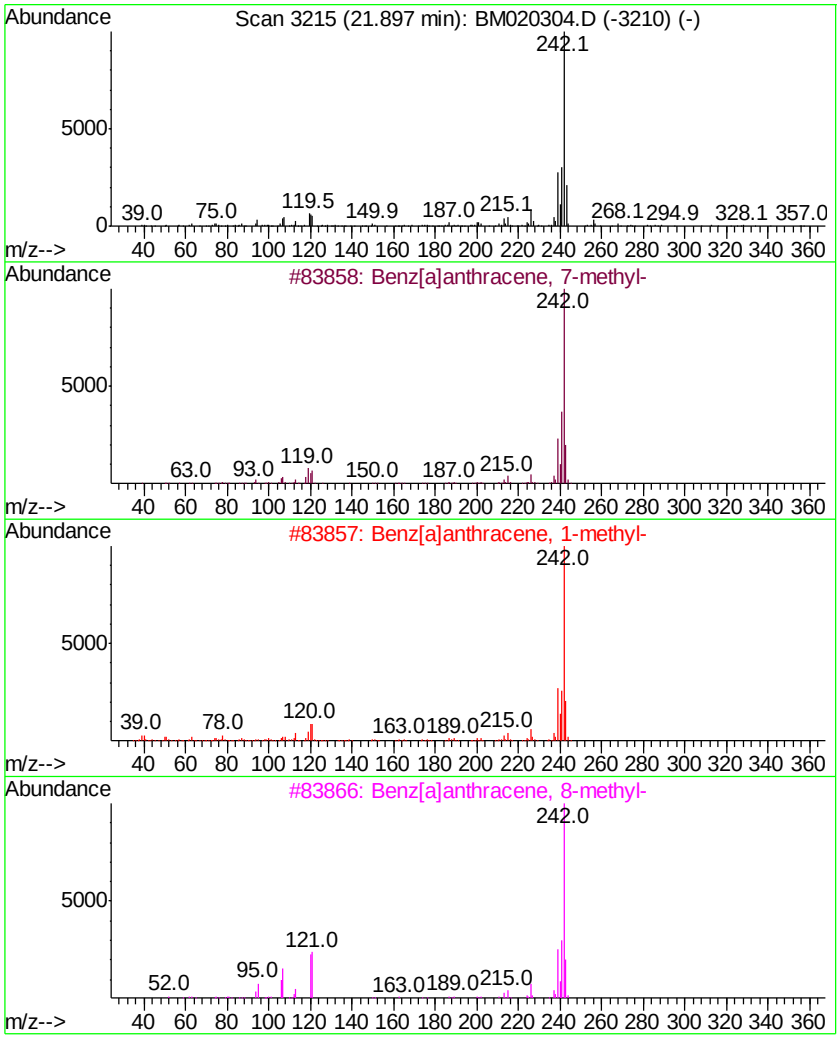
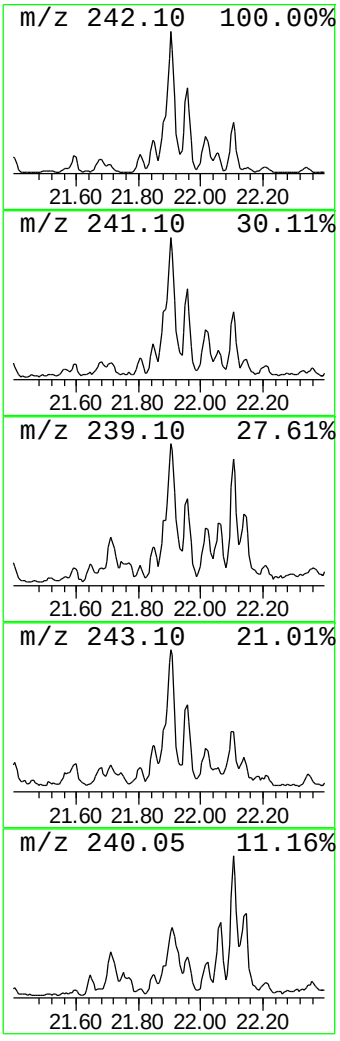
Peak Number 17 Benz[a]anthracene, 7-methyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.90 | 3.99 ng | 720027 | Chrysene-d12 | 21.35 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benz[a]anthracene, 7-methyl- | 242 | C19H14 | 002541-69-7 | 95 |
| 2 | Benz[a]anthracene, 1-methyl- | 242 | C19H14 | 002498-77-3 | 95 |
| 3 | Benz[a]anthracene, 8-methyl- | 242 | C19H14 | 002381-31-9 | 95 |
| 4 | Triphenylene, 2-methyl- | 242 | C19H14 | 001705-84-6 | 93 |
| 5 | Chrysene, 6-methyl- | 242 | C19H14 | 003697-24-3 | 91 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\
Data File : BM020304.D
Acq On : 12 May 2019 18:30
Operator : JU/SJ
Sample : K2768-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** P026-SS013-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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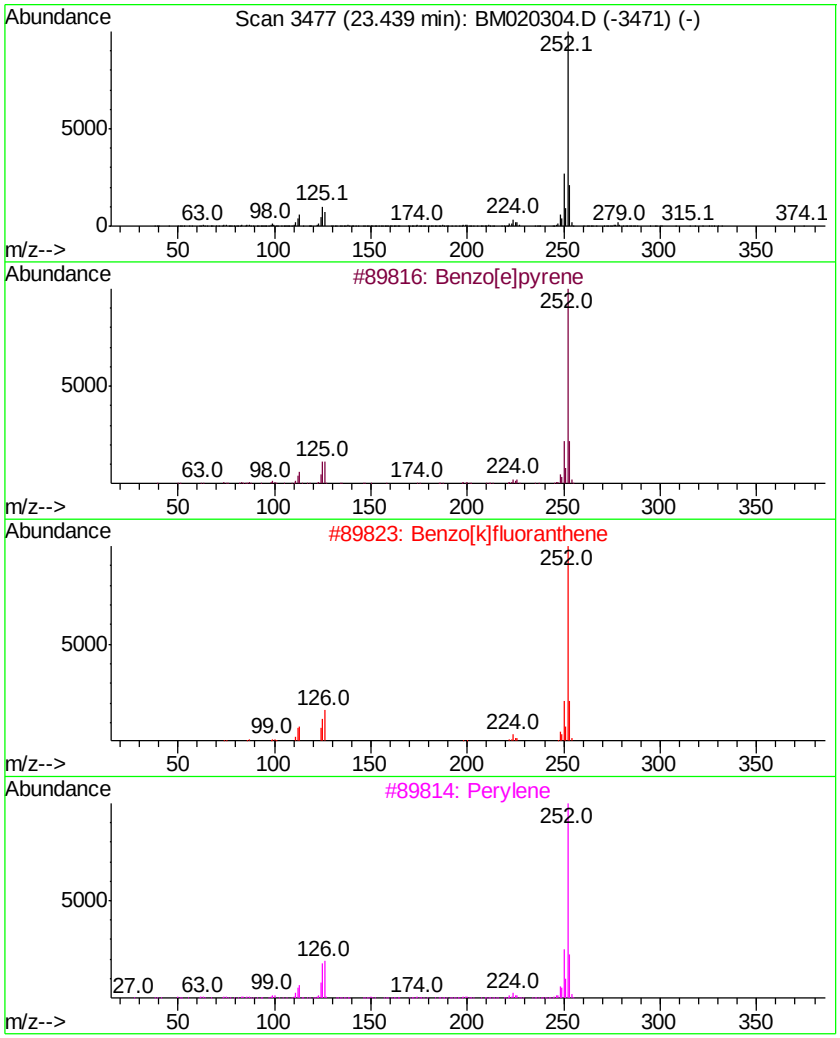
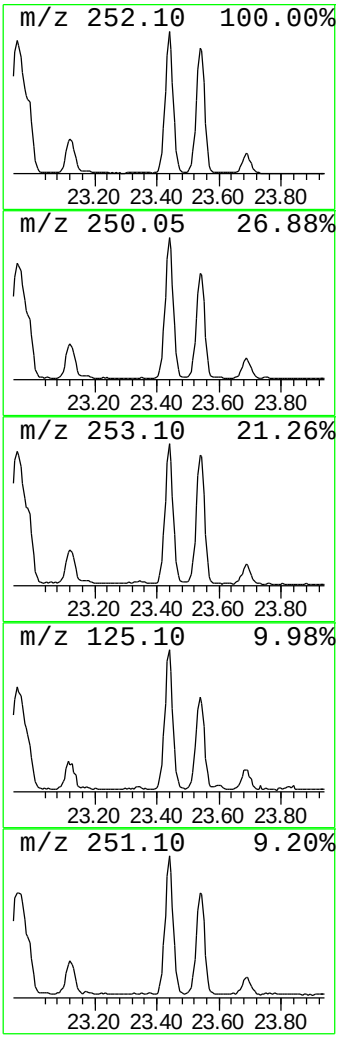
Peak Number 19 Benzo[e]pyrene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.44 | 53.20 ng | 1962620 | Perylene-d12 | 23.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 97 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 97 |
| 3 | Perylene | 252 | C20H12 | 000198-55-0 | 94 |
| 4 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 94 |
| 5 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 93 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\
Data File : BM020304.D
Acq On : 12 May 2019 18:30
Operator : JU/SJ
Sample : K2768-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** P026-SS013-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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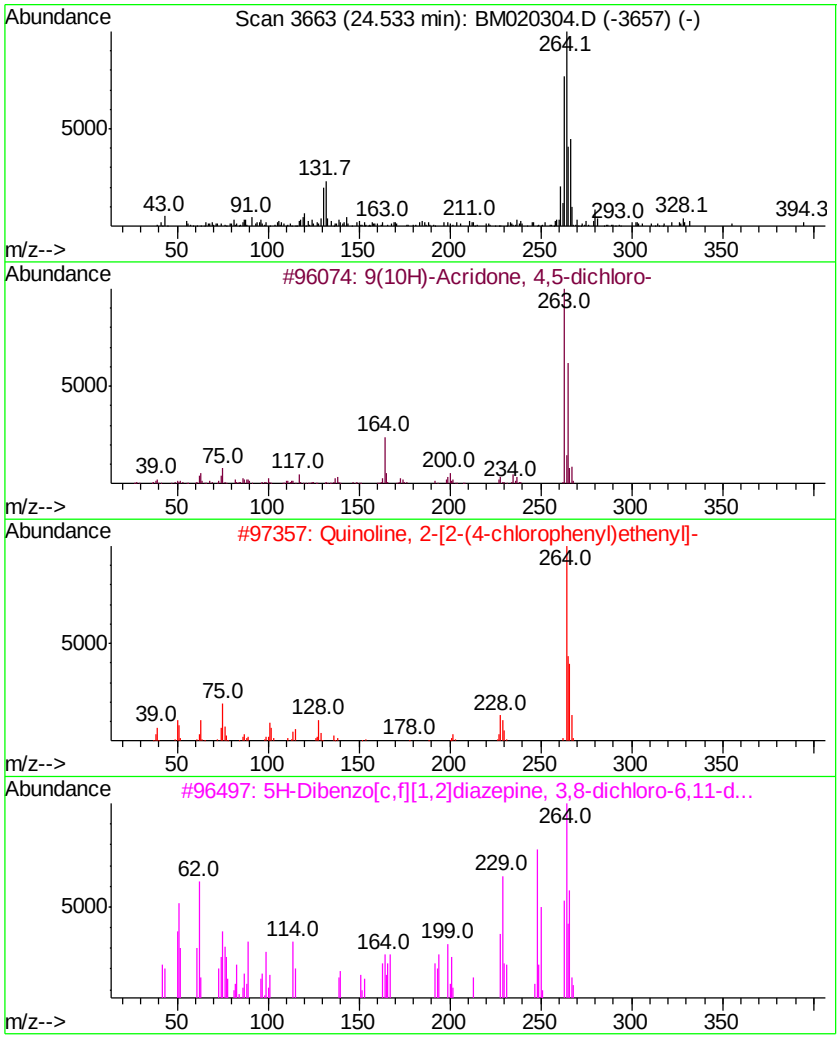
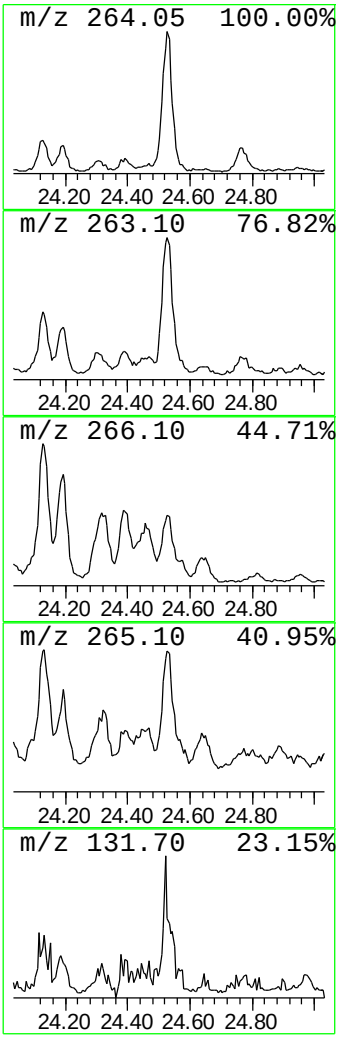
Peak Number 20 unknown24.53 Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.53 | 12.67 ng | 467519 | Perylene-d12 | 23.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9(10H)-Acridone, 4,5-dichloro- | 263 | C13H7Cl2NO | 1000163-26-5 | 46 |
| 2 | Quinoline, 2-[2-(4-chlorophenyl)... | 265 | C17H12ClN | 005392-19-8 | 46 |
| 3 | 5H-Dibenzo[c,f][1,2]diazepine, 3... | 264 | C13H10Cl2N2 | 000955-66-8 | 43 |
| 4 | 1H-Pyrazole-4-carbonitrile, 3-(4... | 263 | C12H10ClN3S | 068364-67-0 | 35 |
| 5 | Lycopodan-5-one, 12-hydroxy-15-m... | 263 | C16H25NO2 | 021061-90-5 | 35 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051219\
Data File : BM020304.D
Acq On : 12 May 2019 18:30
Operator : JU/SJ
Sample : K2768-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** P026-SS013-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| unknown7.29 | 7.29 | 109.0 | ng | 1813040 | 1 | 7.76 | 332546 | 20.0 |
| Dibenzothiophene,... | 17.74 | 3.9 | ng | 139264 | 4 | 17.16 | 711867 | 20.0 |
| Phenanthrene, 2-m... | 18.03 | 18.1 | ng | 646043 | 4 | 17.16 | 711867 | 20.0 |
| Phenanthrene, 1-m... | 18.08 | 14.9 | ng | 528857 | 4 | 17.16 | 711867 | 20.0 |
| Phenanthrene, 4-m... | 18.22 | 22.6 | ng | 805265 | 4 | 17.16 | 711867 | 20.0 |
| Anthracene, 1-met... | 18.26 | 10.7 | ng | 380903 | 4 | 17.16 | 711867 | 20.0 |
| Naphthalene, 2-ph... | 18.53 | 11.9 | ng | 422089 | 4 | 17.16 | 711867 | 20.0 |
| 9,10-Anthracenedione | 18.59 | 15.1 | ng | 536689 | 4 | 17.16 | 711867 | 20.0 |
| 9,10-Dimethylanth... | 18.95 | 18.5 | ng | 657628 | 4 | 17.16 | 711867 | 20.0 |
| Naphthalene, 1,2-... | 19.04 | 4.0 | ng | 143808 | 4 | 17.16 | 711867 | 20.0 |
| Cyclopenta(def)ph... | 19.10 | 16.9 | ng | 602972 | 4 | 17.16 | 711867 | 20.0 |
| Pyrene, 1-methyl- | 19.91 | 4.4 | ng | 793882 | 5 | 21.35 | 3613170 | 20.0 |
| 11H-Benzo[b]fluorene | 20.05 | 3.9 | ng | 702921 | 5 | 21.35 | 3613170 | 20.0 |
| Isothiazol-5-amin... | 21.04 | 4.5 | ng | 817602 | 5 | 21.35 | 3613170 | 20.0 |
| 11H-Benzo[a]fluor... | 21.56 | 6.0 | ng | 1089490 | 5 | 21.35 | 3613170 | 20.0 |
| Benz[a]anthracene... | 21.90 | 4.0 | ng | 720027 | 5 | 21.35 | 3613170 | 20.0 |
| Benzo[e]pyrene | 23.44 | 53.2 | ng | 1962620 | 6 | 23.64 | 737892 | 20.0 |
| unknown24.53 | 24.53 | 12.7 | ng | 467519 | 6 | 23.64 | 737892 | 20.0 |