LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.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 | 6.975 | 738 | 746 | 756 | rBV | 836693 | 1442104 | 8.47% | 0.485% |
| 2 | 7.146 | 768 | 775 | 784 | rBV | 646260 | 996286 | 5.85% | 0.335% |
| 3 | 7.346 | 800 | 809 | 816 | rBV | 868556 | 1379248 | 8.10% | 0.464% |
| 4 | 7.810 | 879 | 888 | 896 | rBV | 1543538 | 2503576 | 14.71% | 0.843% |
| 5 | 8.504 | 999 | 1006 | 1014 | rBV | 991628 | 1614820 | 9.49% | 0.544% |
| 6 | 8.963 | 1078 | 1084 | 1094 | rVB | 823072 | 1355231 | 7.96% | 0.456% |
| 7 | 9.681 | 1199 | 1206 | 1214 | rVB | 649702 | 1086962 | 6.39% | 0.366% |
| 8 | 10.216 | 1287 | 1297 | 1306 | rVB | 1127660 | 1950799 | 11.46% | 0.657% |
| 9 | 10.598 | 1354 | 1362 | 1368 | rBV | 2283415 | 3899228 | 22.91% | 1.312% |
| 10 | 10.734 | 1378 | 1385 | 1397 | rVV | 713142 | 1285511 | 7.55% | 0.433% |
| 11 | 13.763 | 1893 | 1900 | 1905 | rVV | 774673 | 1360184 | 7.99% | 0.458% |
| 12 | 13.851 | 1911 | 1915 | 1919 | rVV | 1956160 | 2955563 | 17.36% | 0.995% |
| 13 | 13.898 | 1919 | 1923 | 1933 | rVB | 2296906 | 3361579 | 19.75% | 1.131% |
| 14 | 14.133 | 1957 | 1963 | 1966 | rBV | 2151661 | 3479928 | 20.44% | 1.171% |
| 15 | 14.163 | 1966 | 1968 | 1981 | rVB | 1374201 | 1890490 | 11.11% | 0.636% |
| 16 | 14.445 | 2005 | 2016 | 2022 | rBV2 | 3342945 | 5396546 | 31.70% | 1.816% |
| 17 | 14.627 | 2042 | 2047 | 2060 | rBV3 | 775353 | 1685092 | 9.90% | 0.567% |
| 18 | 14.845 | 2072 | 2084 | 2091 | rVB | 599958 | 1159585 | 6.81% | 0.390% |
| 19 | 14.916 | 2091 | 2096 | 2101 | rVB | 732317 | 1068528 | 6.28% | 0.360% |
| 20 | 15.057 | 2113 | 2120 | 2126 | rBV3 | 621112 | 1387302 | 8.15% | 0.467% |
| 21 | 15.233 | 2142 | 2150 | 2153 | rBV2 | 425754 | 993383 | 5.84% | 0.334% |
| 22 | 15.439 | 2179 | 2185 | 2189 | rVV | 2855971 | 4419376 | 25.96% | 1.488% |
| 23 | 15.486 | 2189 | 2193 | 2197 | rVV2 | 497589 | 858856 | 5.05% | 0.289% |
| 24 | 15.780 | 2237 | 2243 | 2254 | rVB4 | 302697 | 819835 | 4.82% | 0.276% |
| 25 | 16.163 | 2303 | 2308 | 2318 | rVB2 | 899965 | 1523559 | 8.95% | 0.513% |
| 26 | 16.492 | 2357 | 2364 | 2369 | rVV4 | 626920 | 1549570 | 9.10% | 0.522% |
| 27 | 16.539 | 2369 | 2372 | 2378 | rVV2 | 604495 | 998264 | 5.86% | 0.336% |
| 28 | 16.839 | 2419 | 2423 | 2431 | rVV5 | 504224 | 1071354 | 6.29% | 0.361% |
| 29 | 17.004 | 2447 | 2451 | 2460 | rVB | 906230 | 1477839 | 8.68% | 0.497% |
| 30 | 17.186 | 2476 | 2482 | 2486 | rBV | 3793298 | 5798634 | 34.07% | 1.952% |
| 31 | 17.227 | 2486 | 2489 | 2494 | rVV | 6343376 | 8844591 | 51.96% | 2.977% |
| 32 | 17.286 | 2494 | 2499 | 2502 | rVV | 2957719 | 4274905 | 25.11% | 1.439% |
| 33 | 17.321 | 2502 | 2505 | 2509 | rVB | 863875 | 1124823 | 6.61% | 0.379% |
| 34 | 17.380 | 2509 | 2515 | 2520 | rBV2 | 628900 | 1386575 | 8.15% | 0.467% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 17.768 | 2576 | 2581 | 2588 | rVB | 1628474 | 2465946 | 14.49% | 0.830% |
| 36 | 17.910 | 2600 | 2605 | 2612 | rVB | 973844 | 1776541 | 10.44% | 0.598% |
| 37 | 18.063 | 2625 | 2631 | 2635 | rBV | 4248788 | 6912284 | 40.61% | 2.327% |
| 38 | 18.110 | 2635 | 2639 | 2646 | rVB | 5443534 | 8048461 | 47.28% | 2.709% |
| 39 | 18.192 | 2648 | 2653 | 2657 | rBV2 | 787777 | 1287529 | 7.56% | 0.433% |
| 40 | 18.251 | 2657 | 2663 | 2667 | rBV2 | 4220036 | 6944660 | 40.80% | 2.338% |
| 41 | 18.292 | 2667 | 2670 | 2677 | rVB | 3278771 | 4631032 | 27.21% | 1.559% |
| 42 | 18.457 | 2694 | 2698 | 2703 | rVB3 | 955264 | 1415625 | 8.32% | 0.476% |
| 43 | 18.562 | 2707 | 2716 | 2719 | rVV2 | 1782021 | 2990917 | 17.57% | 1.007% |
| 44 | 18.604 | 2719 | 2723 | 2734 | rVB2 | 1489675 | 3603811 | 21.17% | 1.213% |
| 45 | 18.780 | 2749 | 2753 | 2755 | rBV | 841228 | 1168118 | 6.86% | 0.393% |
| 46 | 18.810 | 2755 | 2758 | 2762 | rVV | 1666761 | 2240523 | 13.16% | 0.754% |
| 47 | 18.862 | 2762 | 2767 | 2770 | rVV | 2602152 | 3483175 | 20.46% | 1.172% |
| 48 | 18.898 | 2770 | 2773 | 2778 | rVB2 | 2015077 | 2685153 | 15.77% | 0.904% |
| 49 | 18.986 | 2778 | 2788 | 2792 | rBV | 5575013 | 9550840 | 56.11% | 3.215% |
| 50 | 19.039 | 2792 | 2797 | 2801 | rVV3 | 2215411 | 4057566 | 23.84% | 1.366% |
| 51 | 19.074 | 2801 | 2803 | 2807 | rVB | 1974048 | 2057262 | 12.09% | 0.692% |
| 52 | 19.121 | 2807 | 2811 | 2817 | rBV2 | 2211776 | 4330506 | 25.44% | 1.458% |
| 53 | 19.174 | 2818 | 2820 | 2824 | rVB | 691255 | 776029 | 4.56% | 0.261% |
| 54 | 19.245 | 2827 | 2832 | 2838 | rVB | 6961446 | 9159754 | 53.81% | 3.083% |
| 55 | 19.309 | 2838 | 2843 | 2846 | rBV | 1178864 | 1792145 | 10.53% | 0.603% |
| 56 | 19.345 | 2846 | 2849 | 2851 | rBV2 | 765122 | 885305 | 5.20% | 0.298% |
| 57 | 19.445 | 2862 | 2866 | 2869 | rVB3 | 821503 | 1141376 | 6.71% | 0.384% |
| 58 | 19.486 | 2869 | 2873 | 2876 | rBV2 | 1097173 | 1459010 | 8.57% | 0.491% |
| 59 | 19.521 | 2876 | 2879 | 2884 | rVB4 | 801160 | 1146090 | 6.73% | 0.386% |
| 60 | 19.580 | 2884 | 2889 | 2890 | rBV2 | 3450335 | 4161334 | 24.45% | 1.401% |
| 61 | 19.609 | 2890 | 2894 | 2902 | rVB | 10018011 | 17021957 | 100.00% | 5.729% |
| 62 | 19.686 | 2902 | 2907 | 2912 | rVB2 | 2795317 | 4282697 | 25.16% | 1.442% |
| 63 | 19.774 | 2918 | 2922 | 2925 | rVV2 | 930494 | 1653744 | 9.72% | 0.557% |
| 64 | 19.804 | 2925 | 2927 | 2930 | rVV2 | 883416 | 1055978 | 6.20% | 0.355% |
| 65 | 19.845 | 2930 | 2934 | 2940 | rVB4 | 1246859 | 2230366 | 13.10% | 0.751% |
| 66 | 19.933 | 2943 | 2949 | 2959 | rBV5 | 2096029 | 5943902 | 34.92% | 2.001% |
| 67 | 20.021 | 2960 | 2964 | 2967 | rBV4 | 943275 | 1341029 | 7.88% | 0.451% |
| 68 | 20.068 | 2967 | 2972 | 2974 | rVV4 | 1861052 | 2943246 | 17.29% | 0.991% |
| 69 | 20.098 | 2975 | 2977 | 2982 | rVB | 2345932 | 3038118 | 17.85% | 1.023% |
| 70 | 20.204 | 2992 | 2995 | 2999 | rVB2 | 941189 | 1100522 | 6.47% | 0.370% |
| 71 | 20.262 | 3000 | 3005 | 3010 | rVV | 3242428 | 4285982 | 25.18% | 1.443% |

LSC Area Percent Report

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Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 20.404 | 3025 | 3029 | 3033 | rBV | 2928785 | 3806613 | 22.36% | 1.281% |
| 73 | 20.451 | 3033 | 3037 | 3040 | rVV | 2467100 | 3243488 | 19.05% | 1.092% |
| 74 | 20.486 | 3040 | 3043 | 3050 | rVB3 | 920351 | 1380948 | 8.11% | 0.465% |
| 75 | 20.568 | 3052 | 3057 | 3061 | rBV3 | 709640 | 1101873 | 6.47% | 0.371% |
| 76 | 20.698 | 3075 | 3079 | 3081 | rBV3 | 532791 | 787238 | 4.62% | 0.265% |
| 77 | 20.851 | 3101 | 3105 | 3112 | rVB | 1872030 | 3058784 | 17.97% | 1.030% |
| 78 | 20.939 | 3117 | 3120 | 3124 | rVB | 993605 | 1269550 | 7.46% | 0.427% |
| 79 | 20.998 | 3125 | 3130 | 3131 | rBV | 1321646 | 1775386 | 10.43% | 0.598% |
| 80 | 21.021 | 3131 | 3134 | 3137 | rVV2 | 1649949 | 2151825 | 12.64% | 0.724% |
| 81 | 21.056 | 3137 | 3140 | 3143 | rVB | 790725 | 825913 | 4.85% | 0.278% |
| 82 | 21.092 | 3143 | 3146 | 3150 | rBV2 | 1071309 | 1602852 | 9.42% | 0.540% |
| 83 | 21.362 | 3186 | 3192 | 3197 | rBV2 | 6046085 | 13289345 | 78.07% | 4.473% |
| 84 | 21.409 | 3197 | 3200 | 3209 | rVB | 4580334 | 6695074 | 39.33% | 2.254% |
| 85 | 21.486 | 3209 | 3213 | 3217 | rVB3 | 1022459 | 1416432 | 8.32% | 0.477% |
| 86 | 21.574 | 3225 | 3228 | 3231 | rBV | 808006 | 1256026 | 7.38% | 0.423% |
| 87 | 21.874 | 3275 | 3279 | 3281 | rBV | 648858 | 848224 | 4.98% | 0.286% |
| 88 | 21.927 | 3281 | 3288 | 3293 | rVV | 2484538 | 4585904 | 26.94% | 1.544% |
| 89 | 21.980 | 3293 | 3297 | 3302 | rVB | 1843728 | 2587143 | 15.20% | 0.871% |
| 90 | 22.127 | 3318 | 3322 | 3325 | rBV | 1370684 | 1773875 | 10.42% | 0.597% |
| 91 | 22.233 | 3336 | 3340 | 3345 | rVB2 | 659079 | 1067678 | 6.27% | 0.359% |
| 92 | 22.968 | 3459 | 3465 | 3470 | rBV2 | 2227170 | 5245811 | 30.82% | 1.766% |
| 93 | 23.139 | 3490 | 3494 | 3500 | rVB | 615710 | 1074079 | 6.31% | 0.362% |
| 94 | 23.450 | 3542 | 3547 | 3551 | rBV | 1807421 | 3231811 | 18.99% | 1.088% |
| 95 | 23.503 | 3551 | 3556 | 3560 | rVV | 1863628 | 3460514 | 20.33% | 1.165% |
| 96 | 23.550 | 3560 | 3564 | 3572 | rVB | 2841040 | 5049187 | 29.66% | 1.700% |
| 97 | 23.650 | 3574 | 3581 | 3586 | rBV | 2673617 | 5409843 | 31.78% | 1.821% |
| 98 | 24.209 | 3671 | 3676 | 3684 | rVB3 | 690402 | 1595386 | 9.37% | 0.537% |
| 99 | 25.944 | 3965 | 3971 | 3981 | rVB | 1123265 | 3209695 | 18.86% | 1.080% |
| 100 | 26.644 | 4084 | 4090 | 4102 | rVB2 | 922911 | 2827415 | 16.61% | 0.952% |

Sum of corrected areas: 297096571

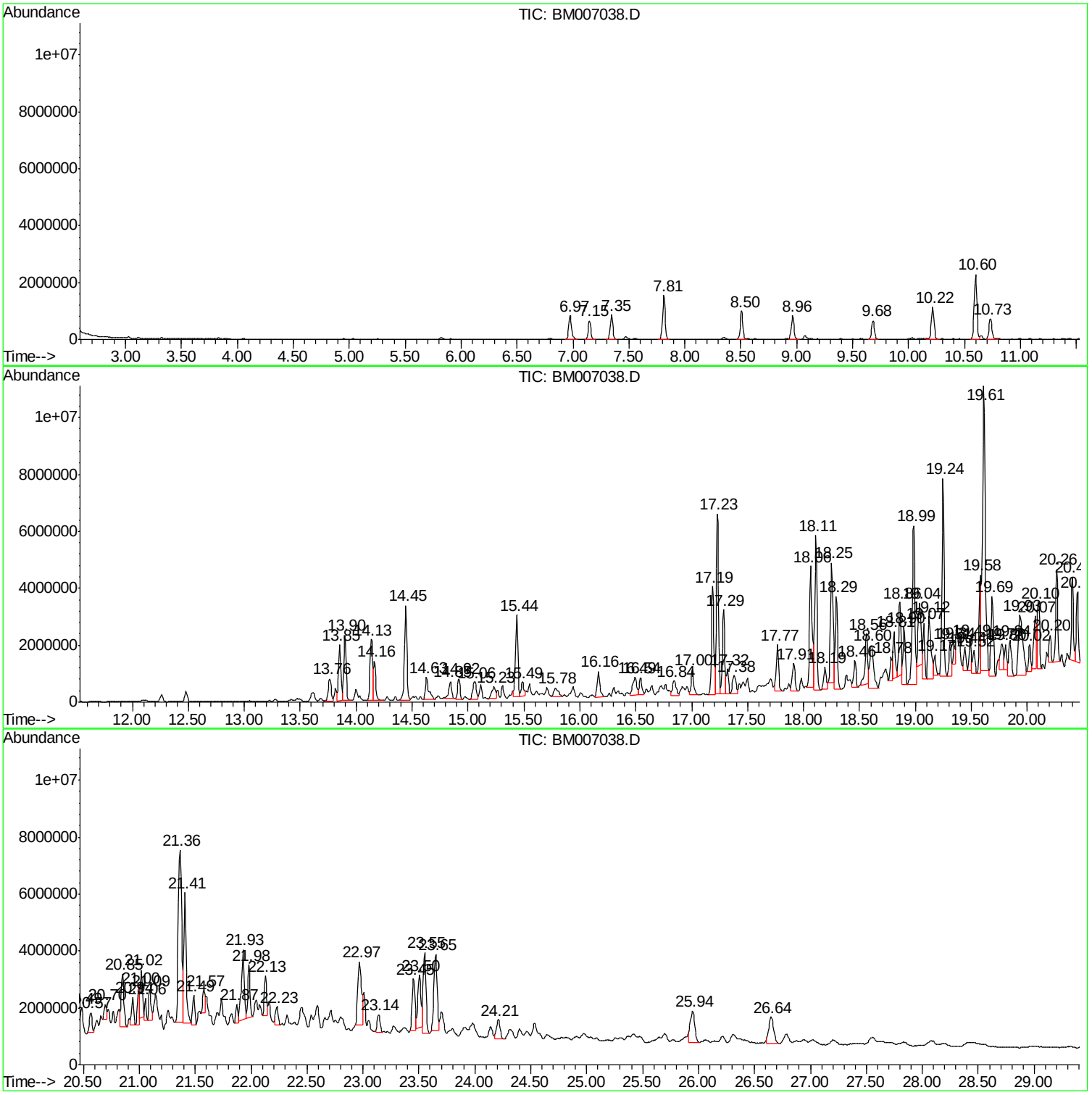
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

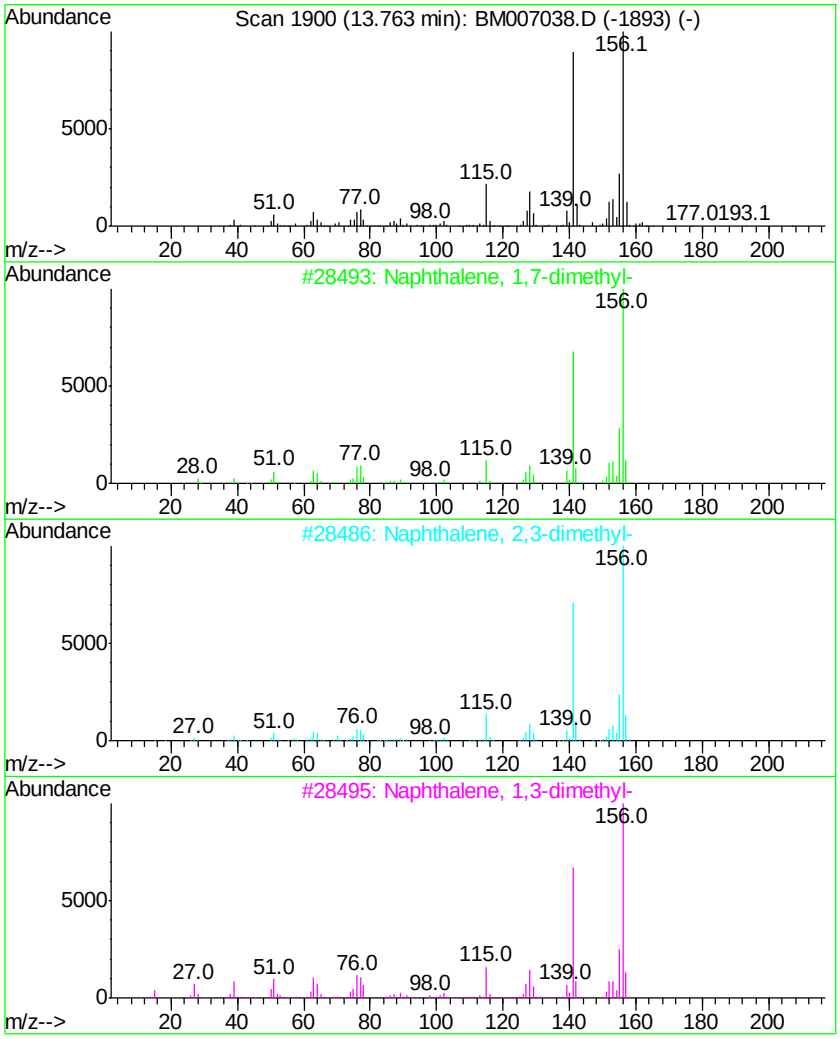
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

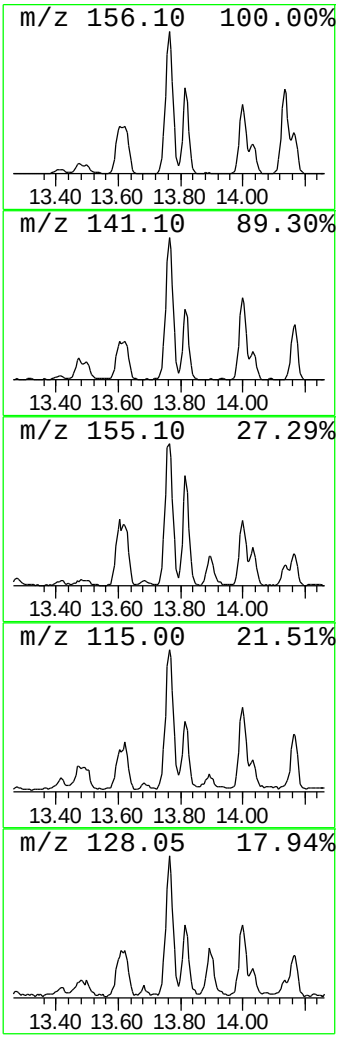
**********

Peak Number 1 Naphthalene, 1,7-dimethyl- Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.76 | 5.04 ng/ul | 1360180 | Acenaphthene-d10 | 14.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 97 |
| 2 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 97 |
| 3 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 96 |
| 4 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 96 |
| 5 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 96 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

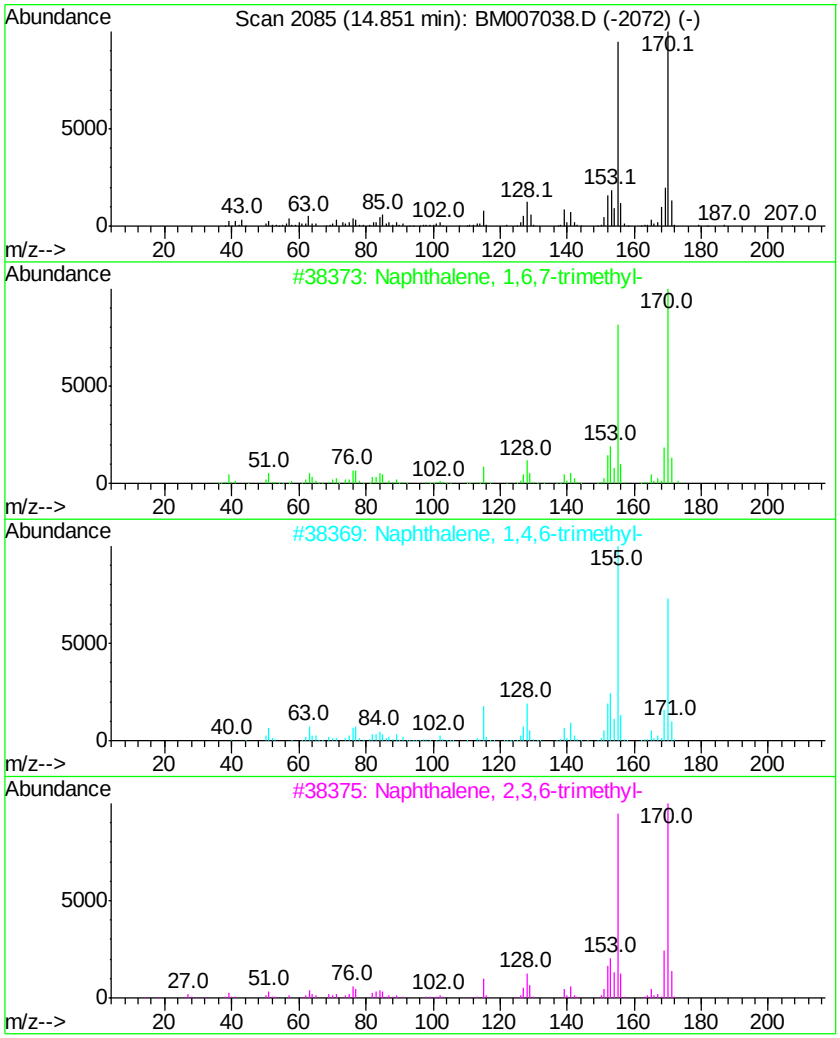
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

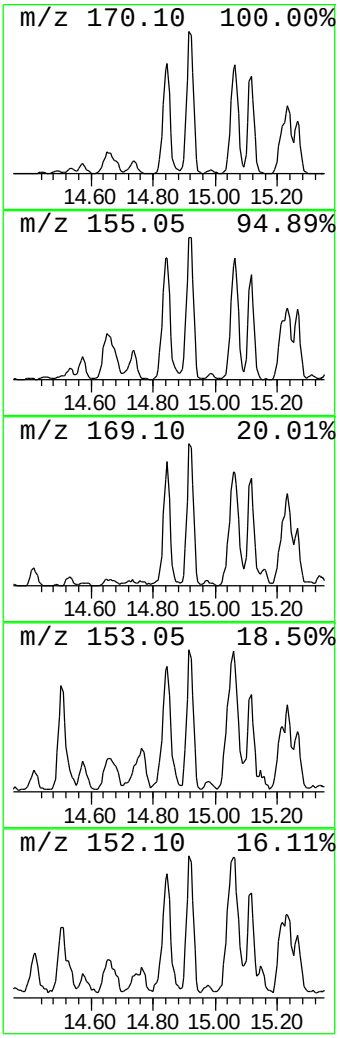
**********

Peak Number 2 Naphthalene, 1,6,7-trimethyl- Concentration Rank 35

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.85 | 4.30 ng/ul | 1159590 | Acenaphthene-d10 | 14.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 97 |
| 2 | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14 | 002131-42-2 | 97 |
| 3 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 96 |
| 4 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 96 |
| 5 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 94 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

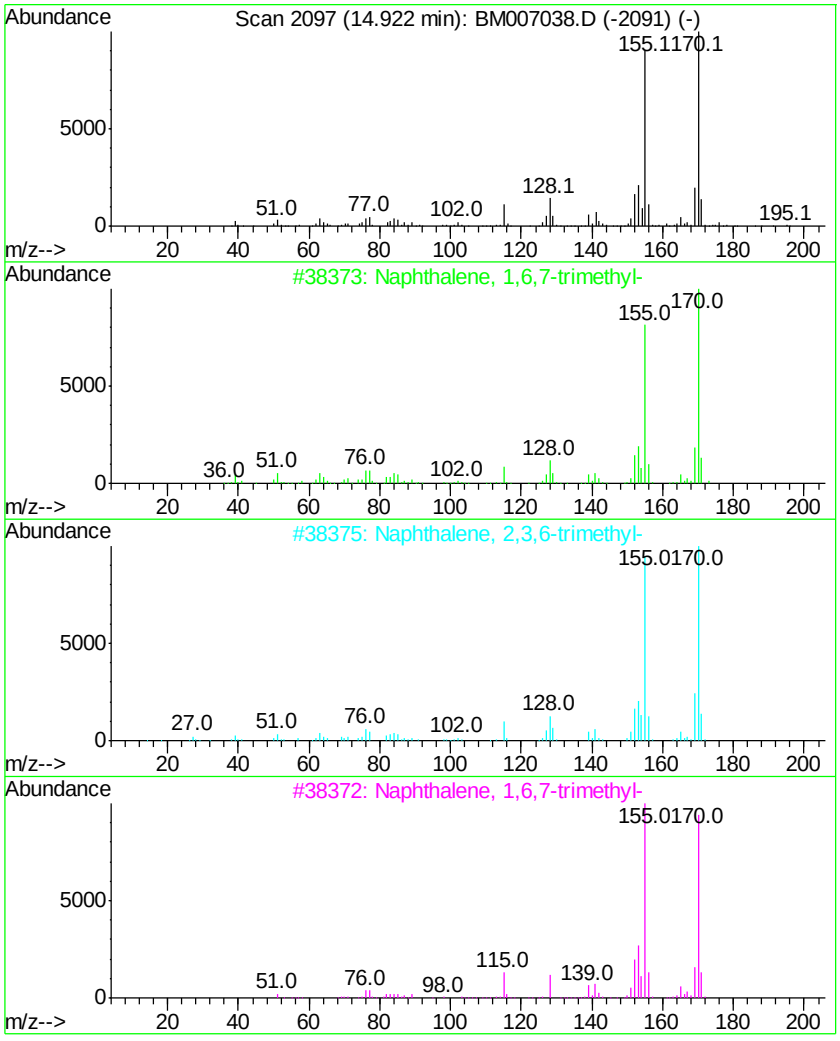
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

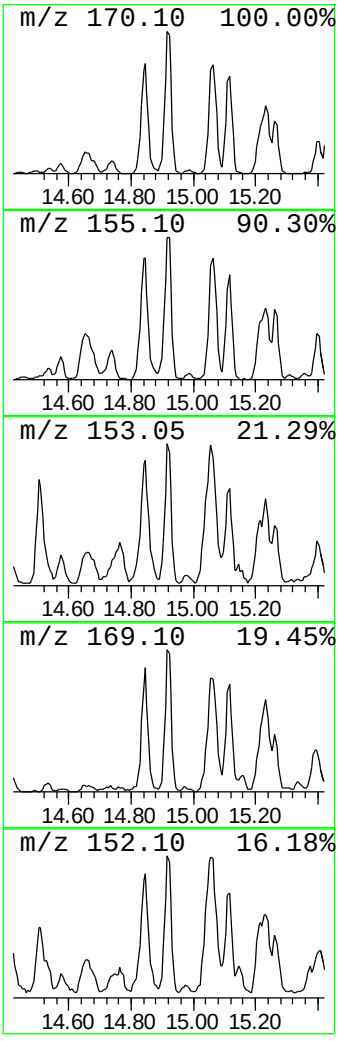
**********

Peak Number 3 Naphthalene, 2,3,6-trimethyl- Concentration Rank 38

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.92 | 3.96 ng/ul | 1068530 | Acenaphthene-d10 | 14.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 97 |
| 2 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 97 |
| 3 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 97 |
| 4 | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14 | 002131-42-2 | 97 |
| 5 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 96 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

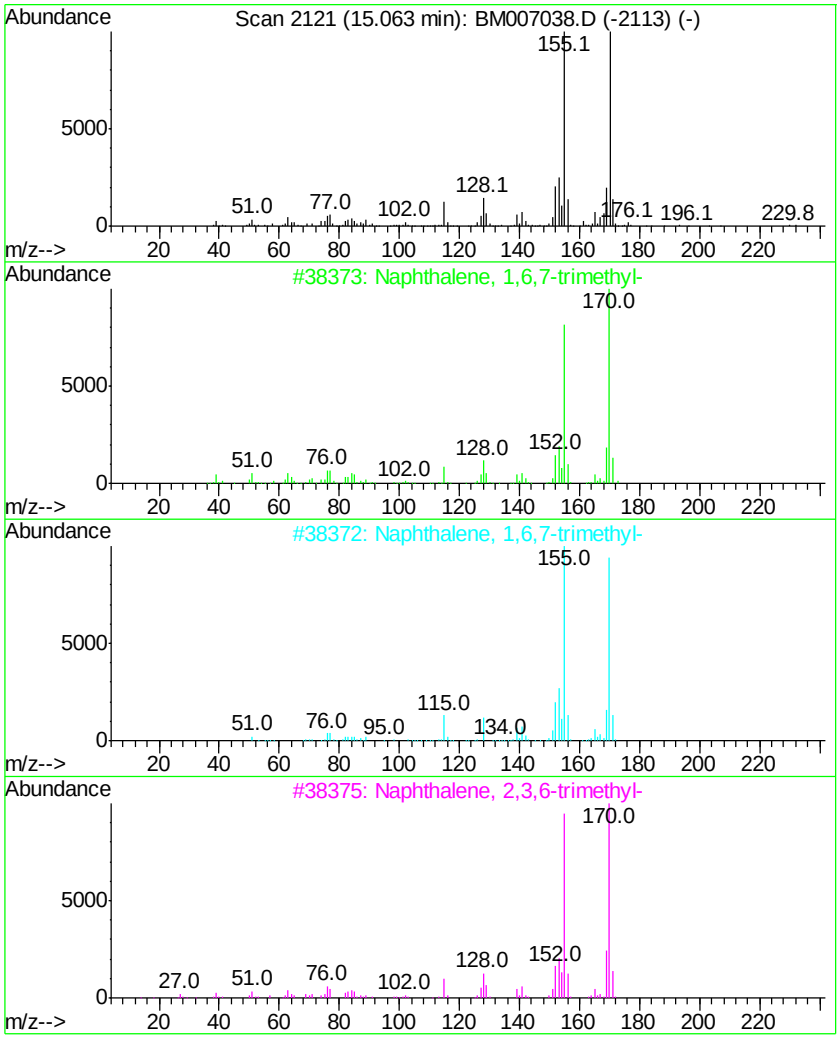
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

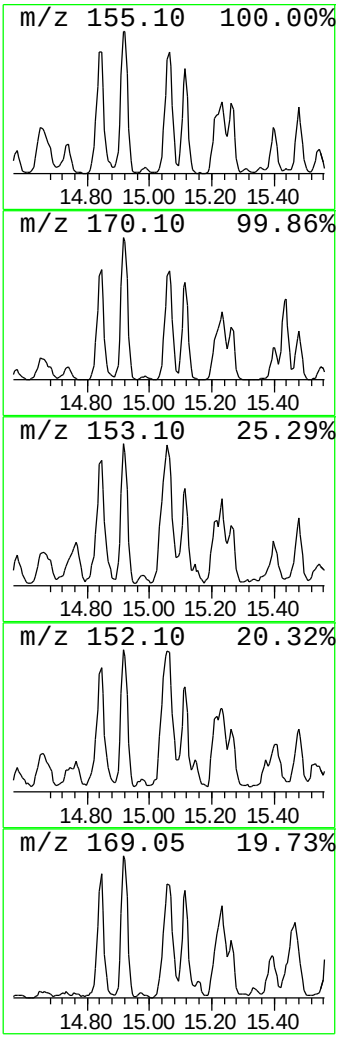
**********

Peak Number 4 Naphthalene, 1,4,5-trimethyl- Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.06 | 5.14 ng/ul | 1387300 | Acenaphthene-d10 | 14.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 97 |
| 2 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 96 |
| 3 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 96 |
| 4 | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14 | 002131-41-1 | 96 |
| 5 | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14 | 002131-42-2 | 96 |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

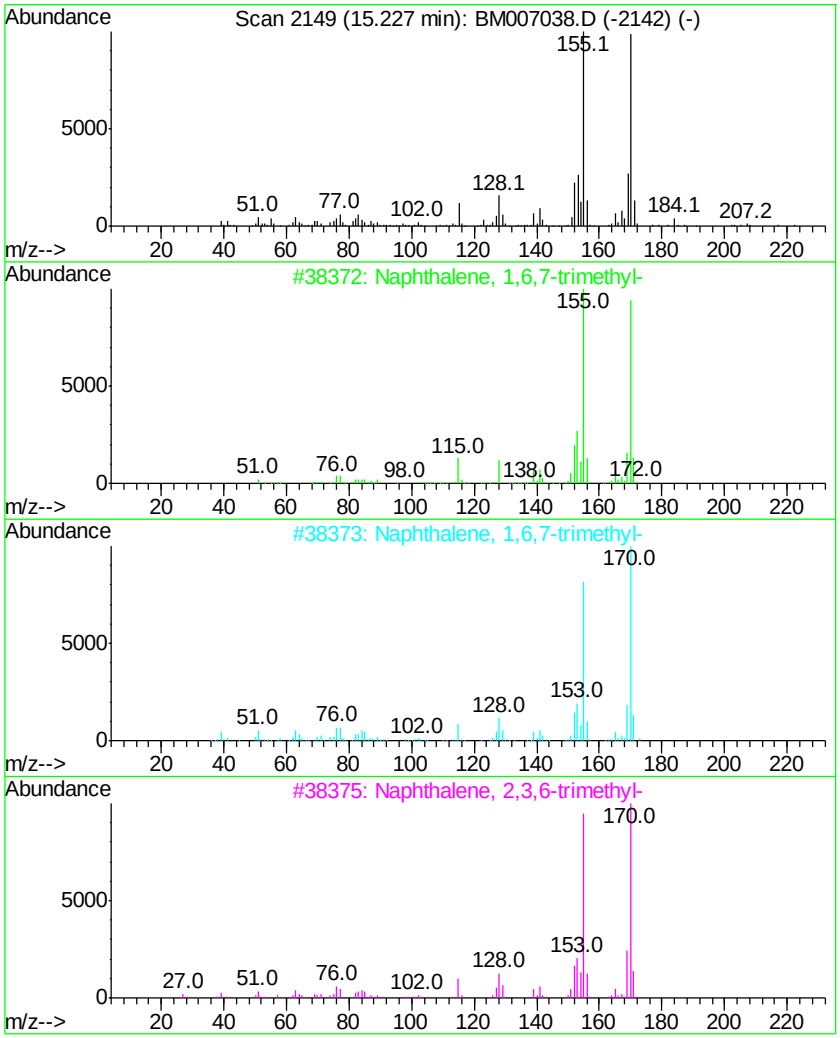
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

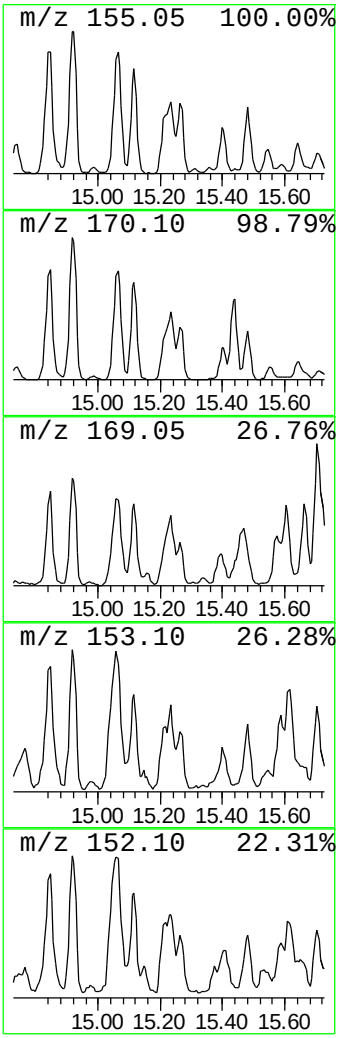
**********

Peak Number 5 Naphthalene, 1,4,6-trimethyl- Concentration Rank 41

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.23 | 3.68 ng/ul | 993383 | Acenaphthene-d10 | 14.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 98 |
| 2 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 97 |
| 3 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 97 |
| 4 | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14 | 002131-41-1 | 96 |
| 5 | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14 | 002131-42-2 | 96 |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

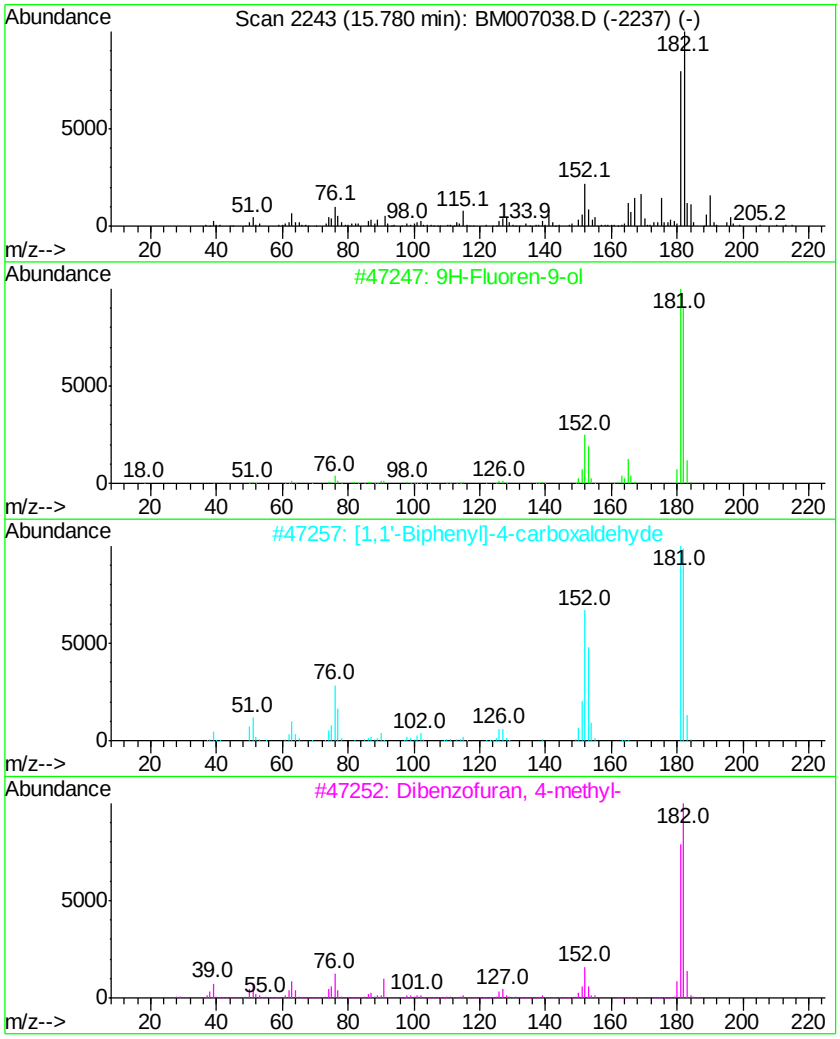
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

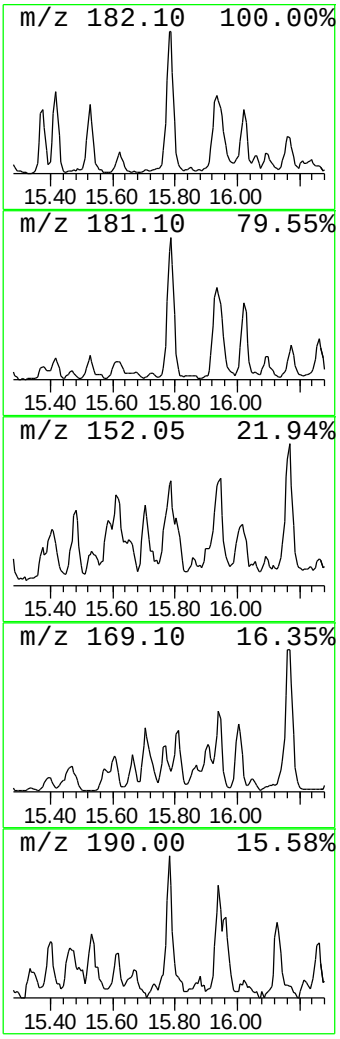
**********

Peak Number 6 9H-Fluoren-9-ol Concentration Rank 45

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.78 | 3.04 ng/ul | 819835 | Acenaphthene-d10 | 14.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 74 |
| 2 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 74 |
| 3 | Dibenzofuran, 4-methyl- | 182 | C13H10O | 007320-53-8 | 64 |
| 4 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 58 |
| 5 | Pyrido[2,3-b]indole, 6-methyl- | 182 | C12H10N2 | 108349-67-3 | 58 |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

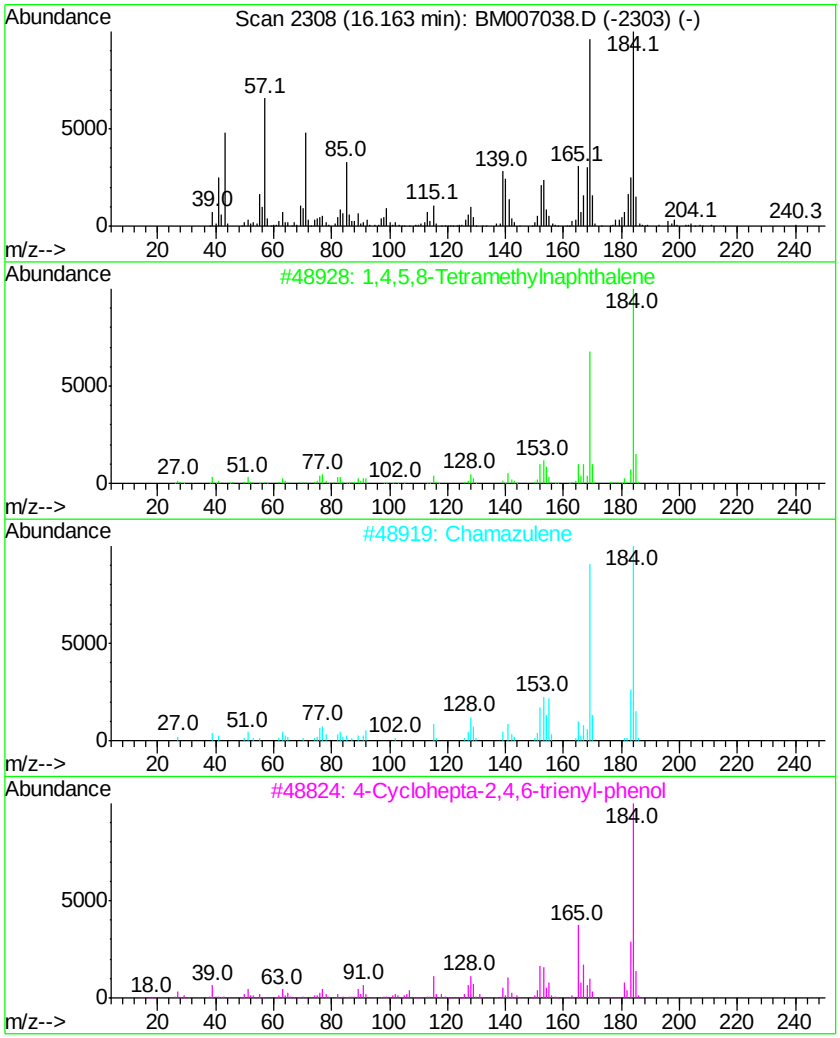
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

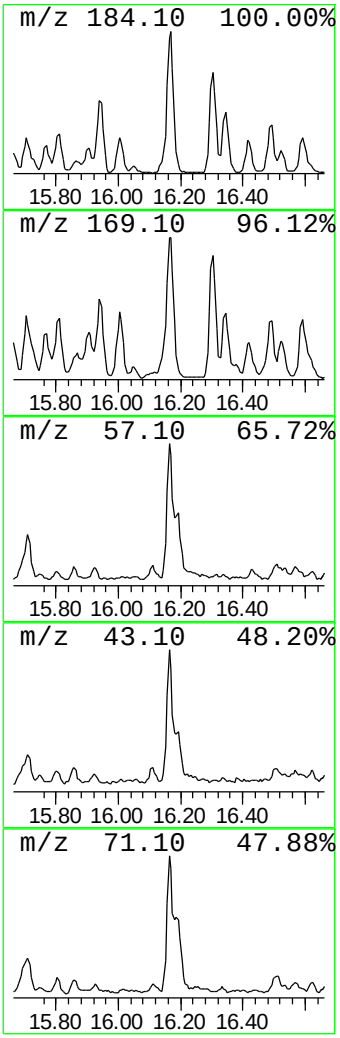
**********

Peak Number 7 1,4,5,8-Tetramethylnaphthalene Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.16 | 5.25 ng/ul | 1523560 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,4,5,8-Tetramethylnaphthalene | 184 | C14H16 | 002717-39-7 | 89 |
| 2 | Chamazulene | 184 | C14H16 | 000529-05-5 | 89 |
| 3 | 4-Cyclohepta-2,4,6-trienyl-phenol | 184 | C13H12O | 091902-42-0 | 86 |
| 4 | 1,1'-Biphenyl, 2-methoxy- | 184 | C13H12O | 000086-26-0 | 81 |
| 5 | 1,1'-Biphenyl, 2-methoxy- | 184 | C13H12O | 000086-26-0 | 81 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

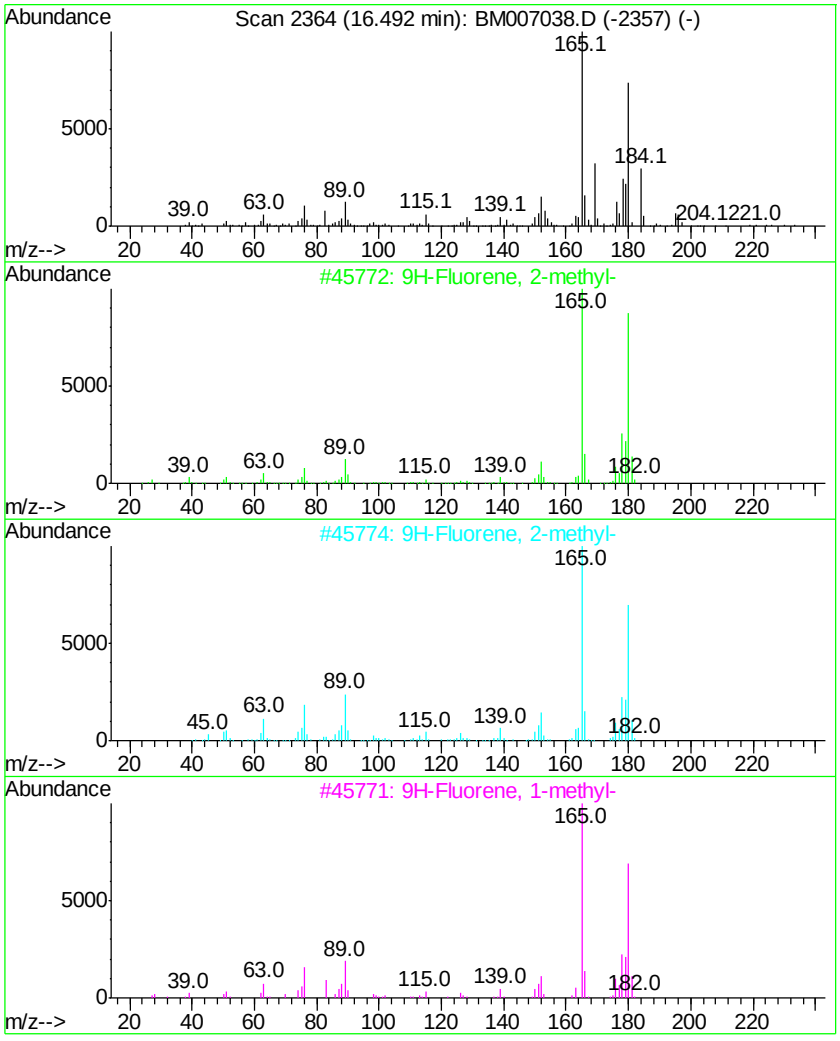
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

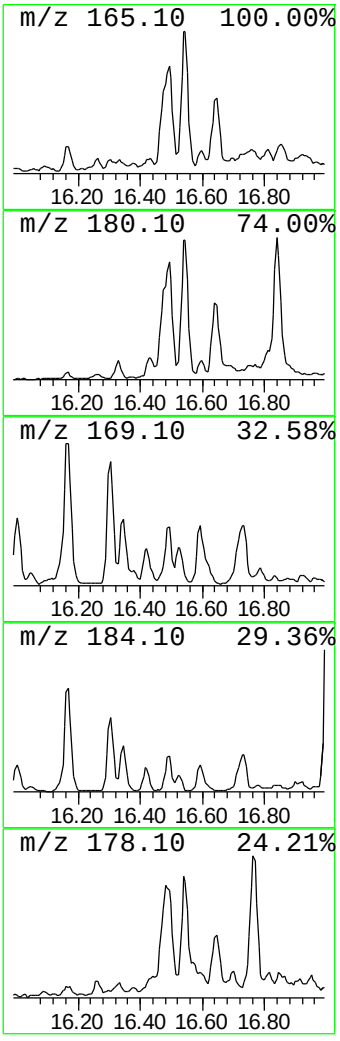
**********

Peak Number 8 9H-Fluorene, 2-methyl- Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.49 | 5.34 ng/ul | 1549570 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 93 |
| 2 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 92 |
| 3 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 86 |
| 4 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 86 |
| 5 | 9H-Fluorene, 3-methyl- | 180 | C14H12 | 002523-39-9 | 70 |



# Library Search Compound Report

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Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

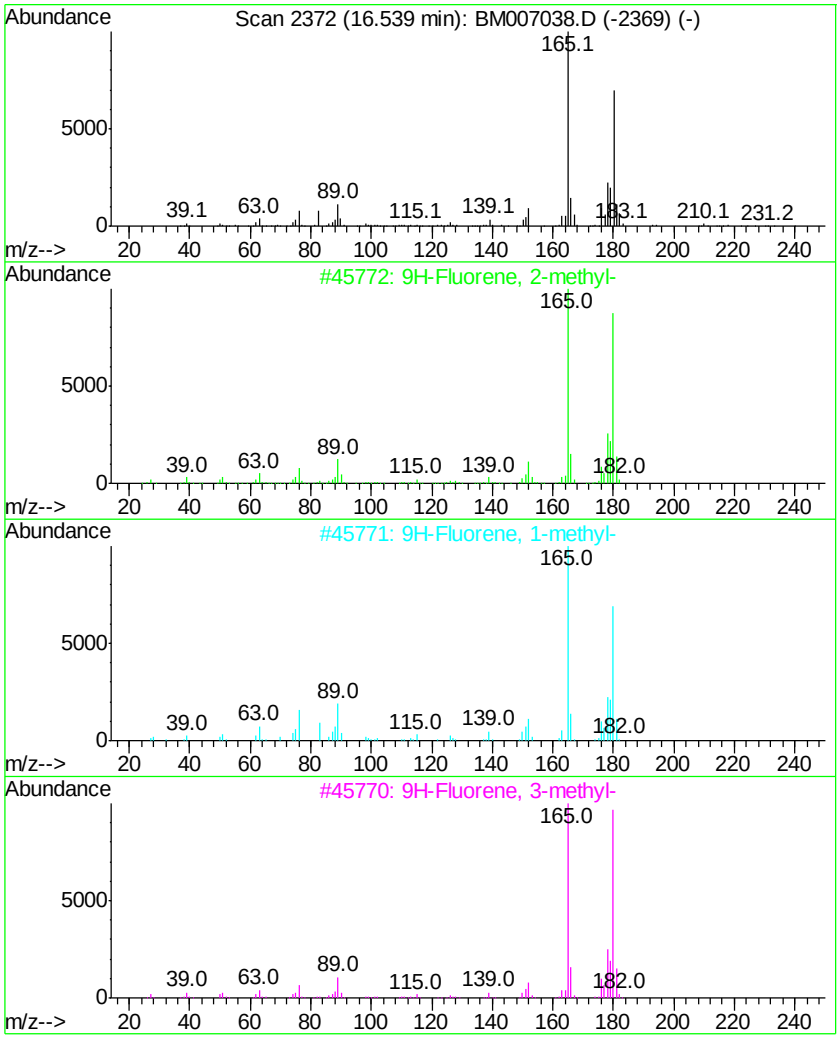
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

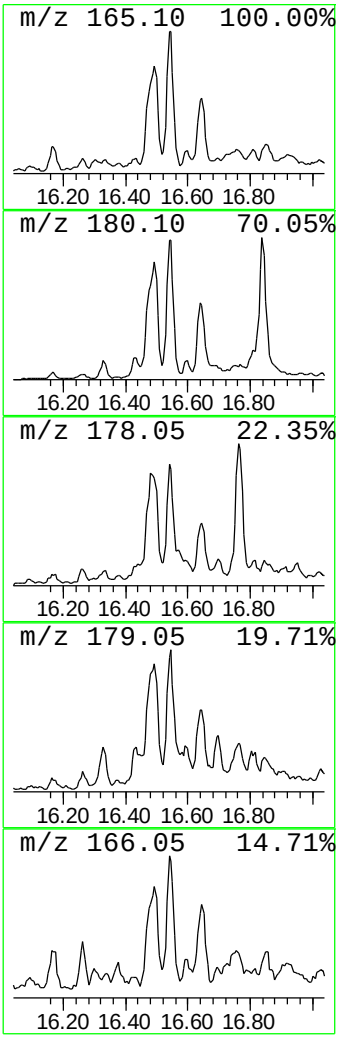
**********

Peak Number 9 9H-Fluorene, 1-methyl- Concentration Rank 42

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.54 | 3.44 ng/ul | 998264 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 96 |
| 2 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 95 |
| 3 | 9H-Fluorene, 3-methyl- | 180 | C14H12 | 002523-39-9 | 95 |
| 4 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 93 |
| 5 | 9H-Fluorene, 9-methyl- | 180 | C14H12 | 002523-37-7 | 89 |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

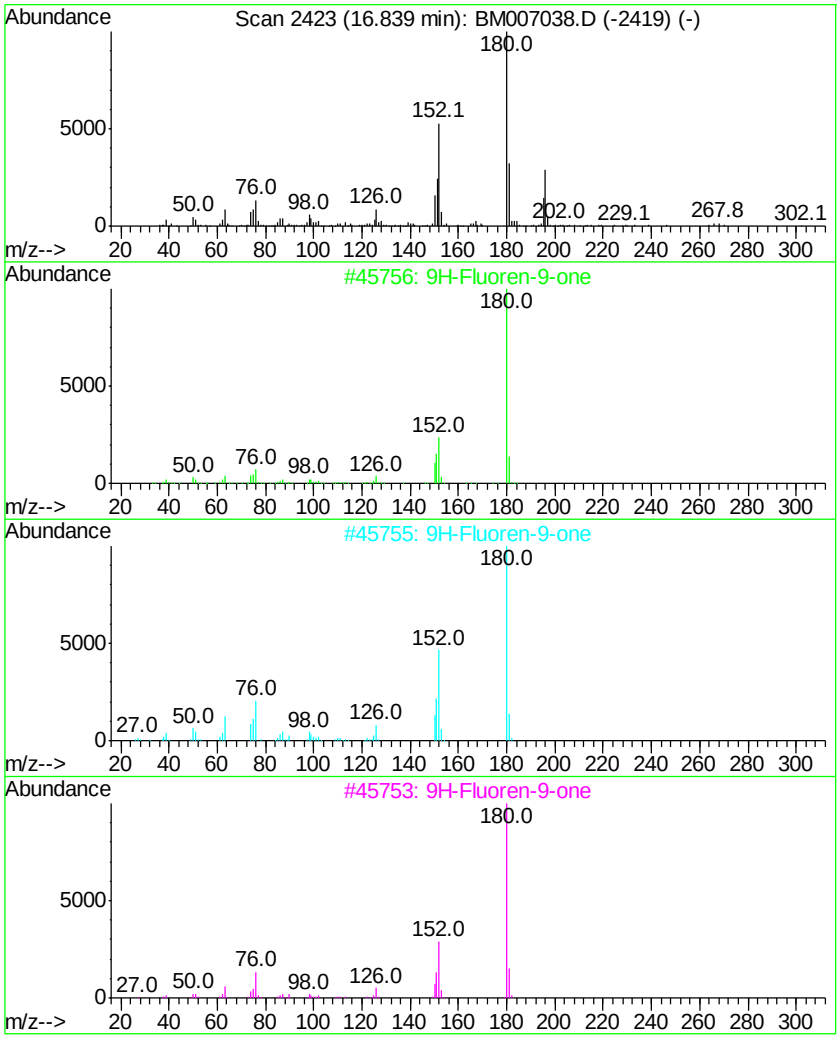
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

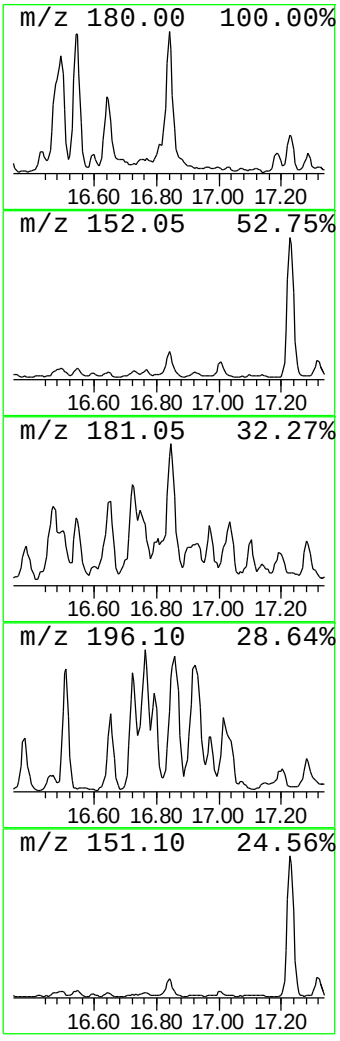
**********

Peak Number 10 9H-Fluoren-9-one Concentration Rank 40

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.84 | 3.70 ng/ul | 1071350 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 93 |
| 2 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 90 |
| 3 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 81 |
| 4 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 74 |
| 5 | Benzo[h]cinnoline | 180 | C12H8N2 | 000230-31-9 | 64 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

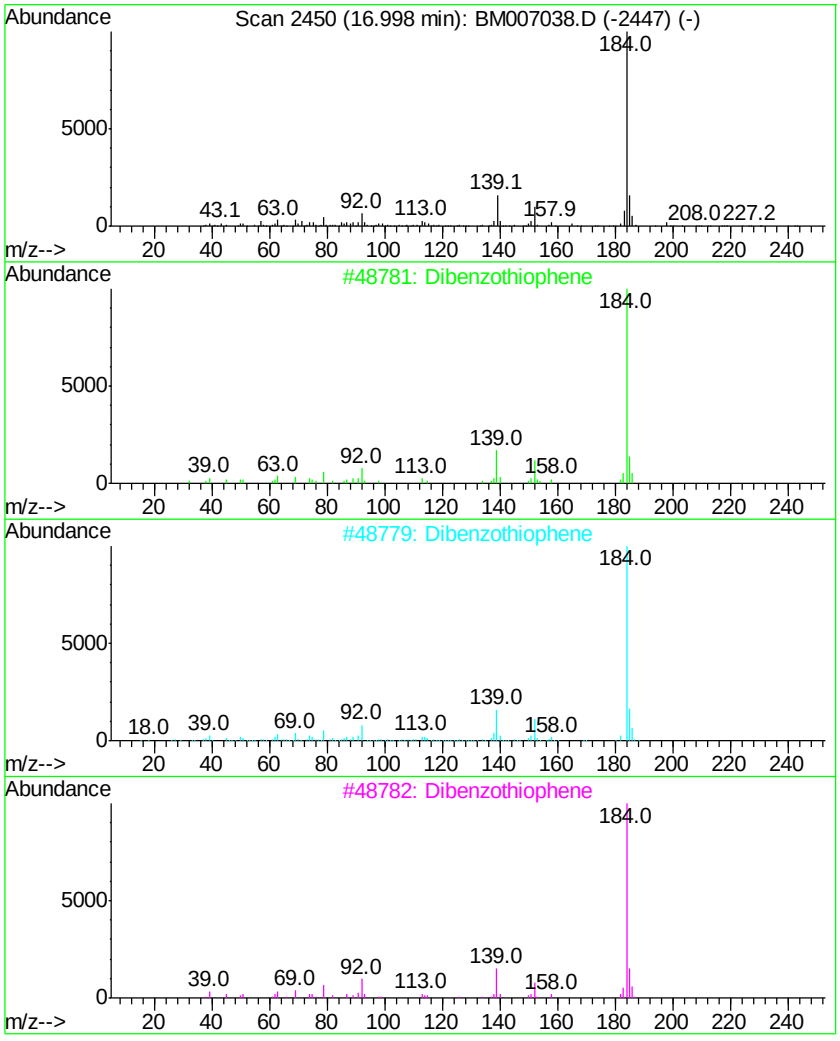
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

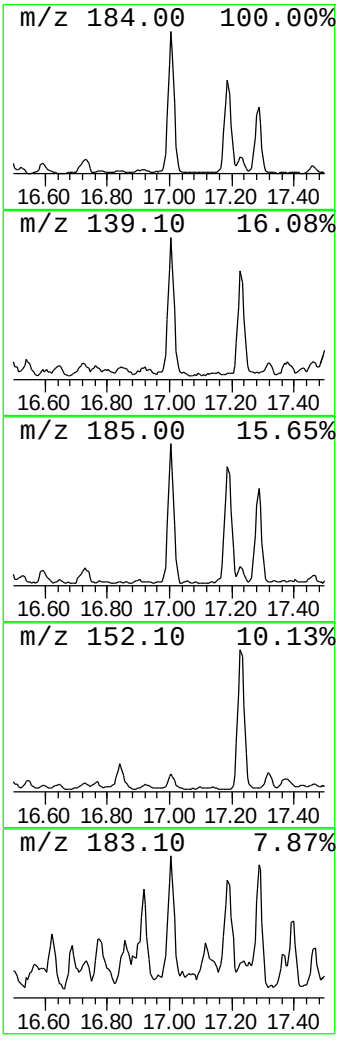
**********

Peak Number 11 Dibenzothiophene Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.00 | 5.10 ng/ul | 1477840 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 94 |
| 2 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 93 |
| 3 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 93 |
| 4 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 91 |
| 5 | Azuleno(2,1-b)thiophene | 184 | C12H8S | 000248-13-5 | 91 |



# Library Search Compound Report

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Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

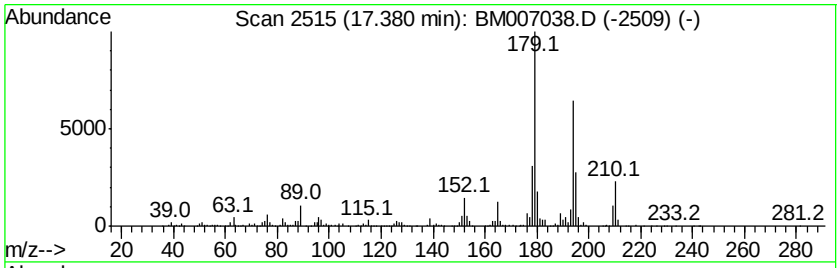
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

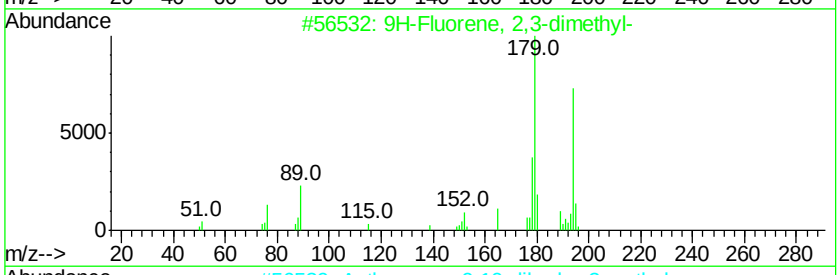
**********

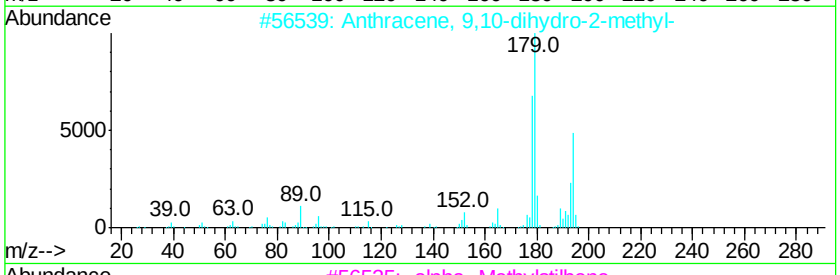
Peak Number 12 9H-Fluorene, 2,3-dimethyl- Concentration Rank 30

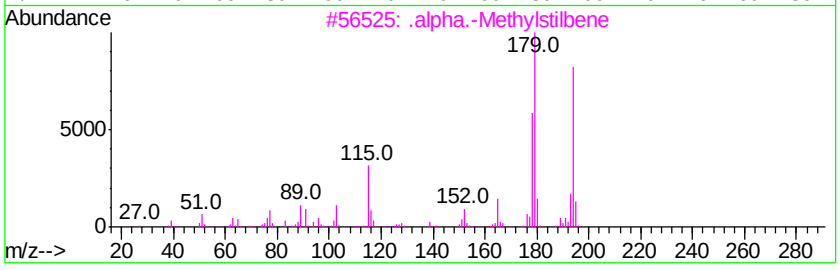
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.38 | 4.78 ng/ul | 1386580 | Phenanthrene-d10 | 17.19 |

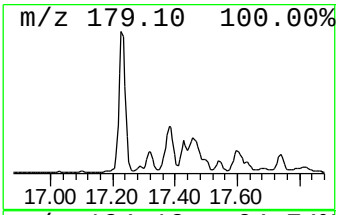
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluorene, 2,3-dimethyl- | 194 | C15H14 | 004612-63-9 | 90 |
| 2 | Anthracene, 9,10-dihydro-2-methyl- | 194 | C15H14 | 000948-67-4 | 58 |
| 3 | .alpha.-Methylstilbene | 194 | C15H14 | 000779-51-1 | 58 |
| 4 | Benzo[h]quinoline | 179 | C13H9N | 000230-27-3 | 46 |
| 5 | Benzo[f]isoquinoline | 179 | C13H9N | 000229-67-4 | 45 |

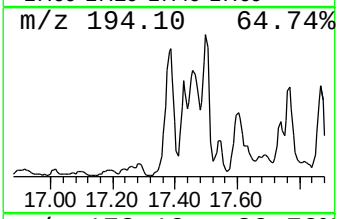


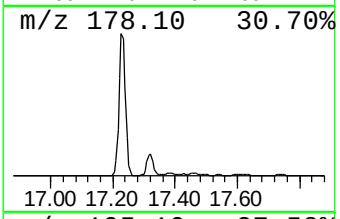



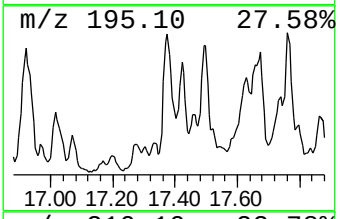



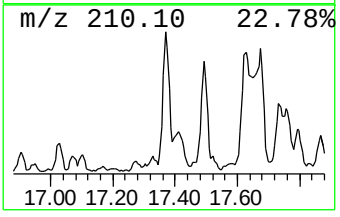



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

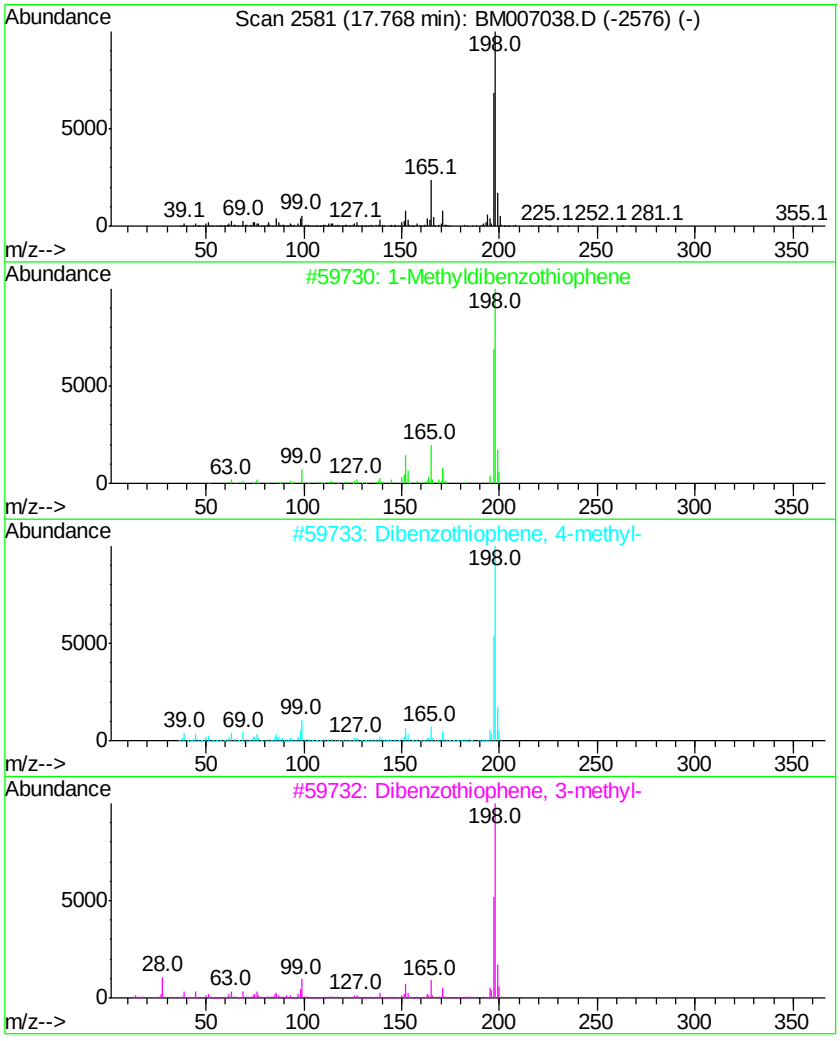
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

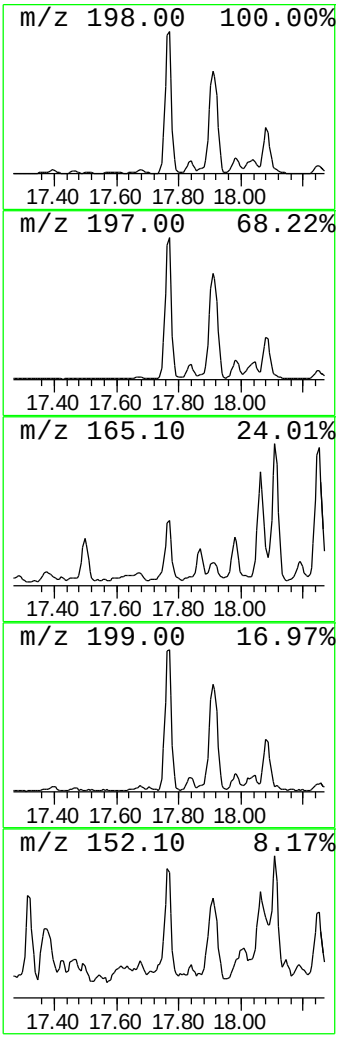
**********

Peak Number 13 1-Methyldibenzothiophene Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.77 | 8.51 ng/ul | 2465950 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Methyldibenzothiophene | 198 | C13H10S | 031317-07-4 | 87 |
| 2 | Dibenzothiophene, 4-methyl- | 198 | C13H10S | 007372-88-5 | 74 |
| 3 | Dibenzothiophene, 3-methyl- | 198 | C13H10S | 016587-52-3 | 72 |
| 4 | Benzene, 1,1'-(1-fluoro-1,2-ethe... | 198 | C14H11F | 000671-19-2 | 64 |
| 5 | Benzeneacetonitrile, 4-(1,2,3,6-... | 198 | C13H14N2 | 1000115-51-2 | 64 |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

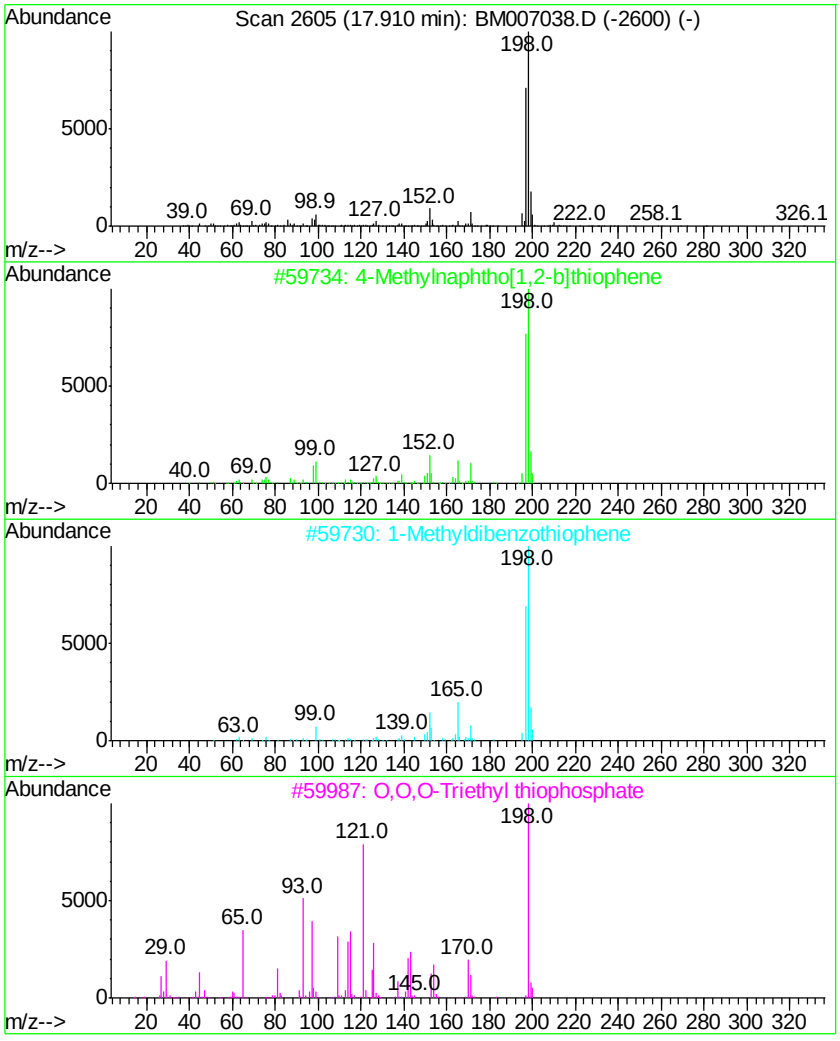
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

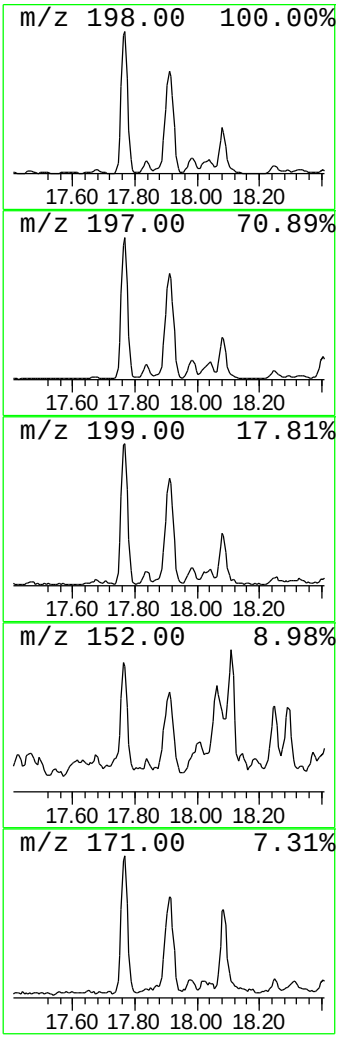
**********

Peak Number 14 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.91 | 6.13 ng/ul | 1776540 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Methylnaphtho[1,2-b]thiophene | 198 | C13H10S | 067388-11-8 | 94 |
| 2 | 1-Methyldibenzothiophene | 198 | C13H10S | 031317-07-4 | 91 |
| 3 | O,O,O-Triethyl thiophosphate | 198 | C6H15O3PS | 000126-68-1 | 90 |
| 4 | Dibenzothiophene, 3-methyl- | 198 | C13H10S | 016587-52-3 | 87 |
| 5 | Dibenzothiophene, 4-methyl- | 198 | C13H10S | 007372-88-5 | 87 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

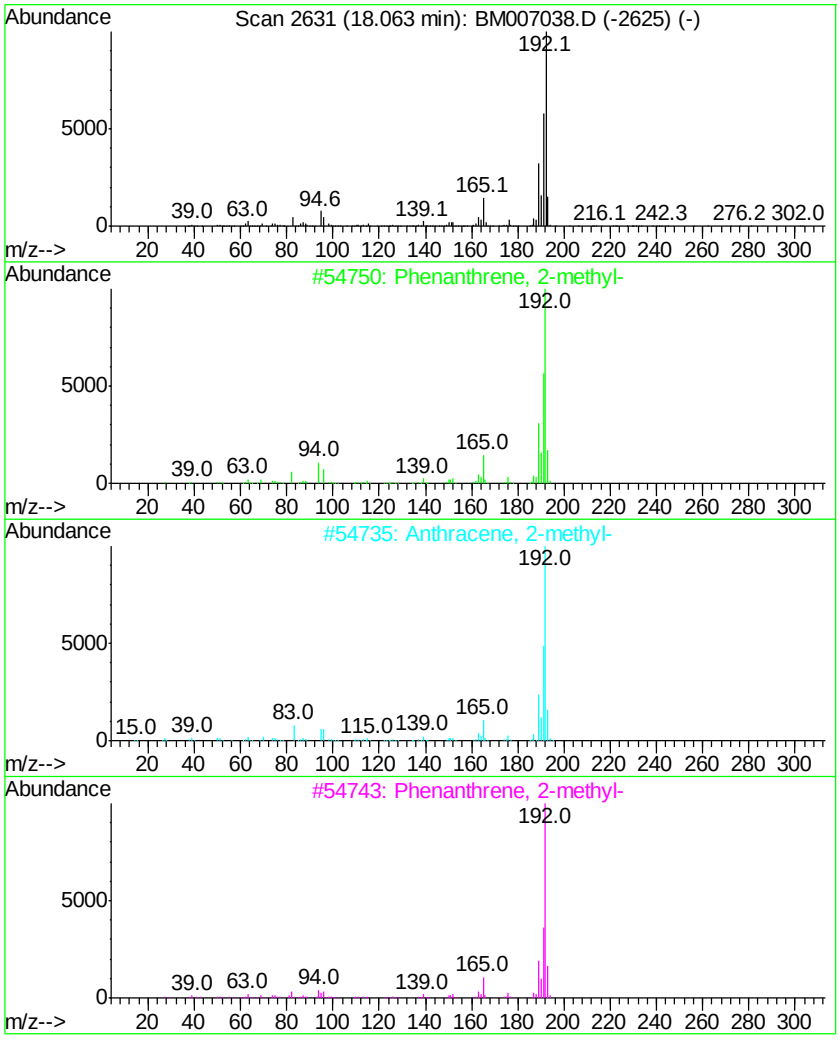
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

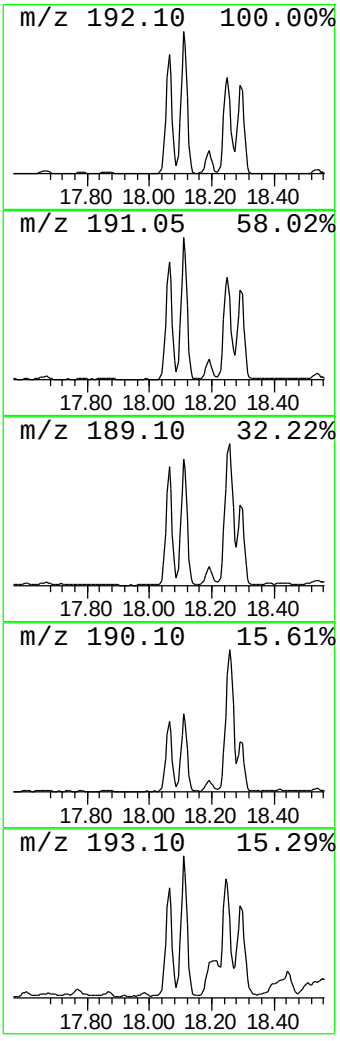
**********

Peak Number 15 Phenanthrene, 2-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.06 | 23.84 ng/ul | 6912280 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 95 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 94 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

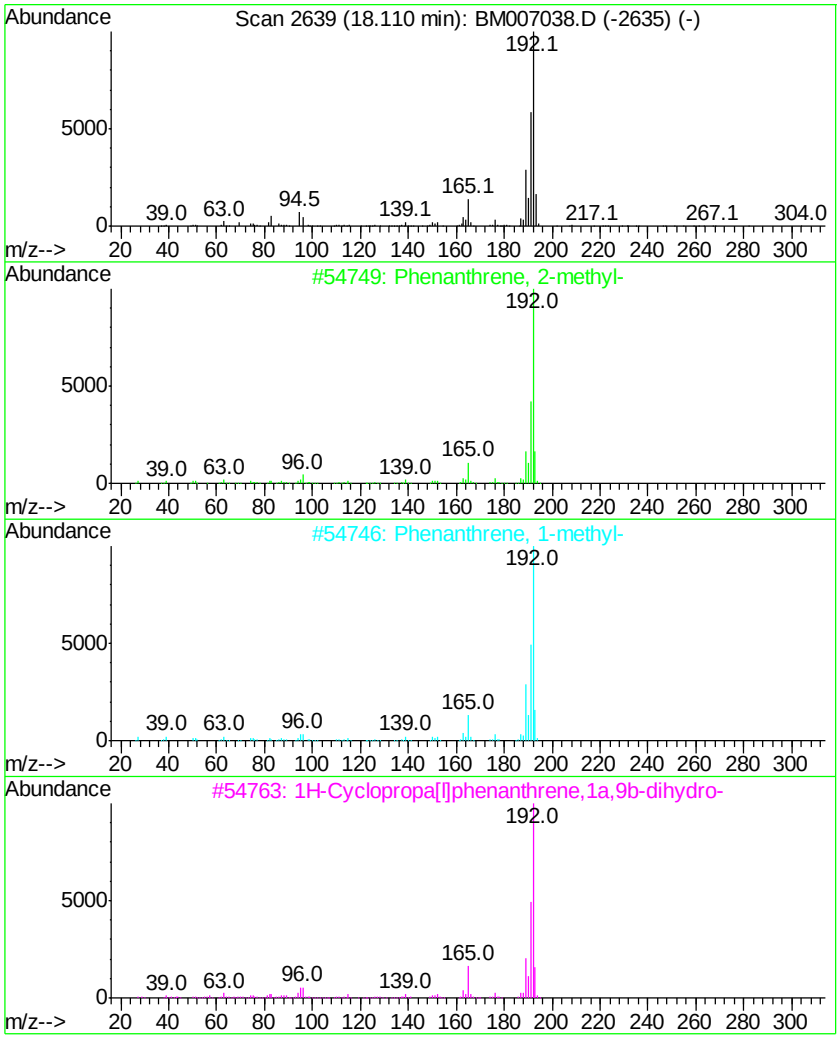
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

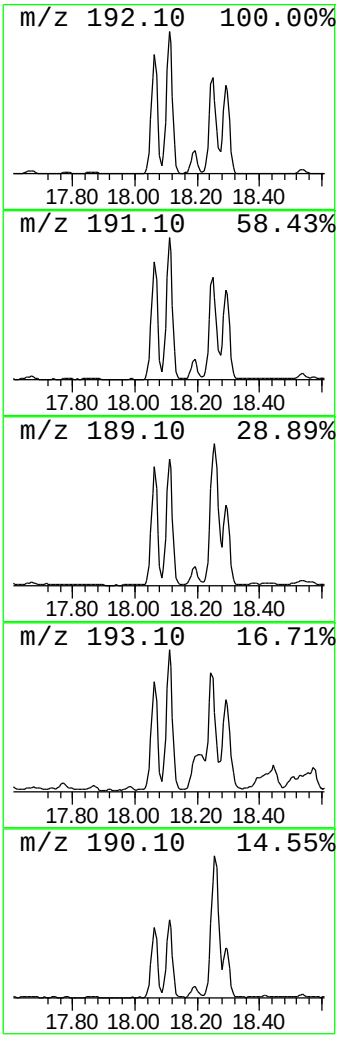
**********

Peak Number 16 Phenanthrene, 1-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.11 | 27.76 ng/ul | 8048460 | Phenanthrene-d10 | 17.19 |

| 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 | 97 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 96 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 95 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

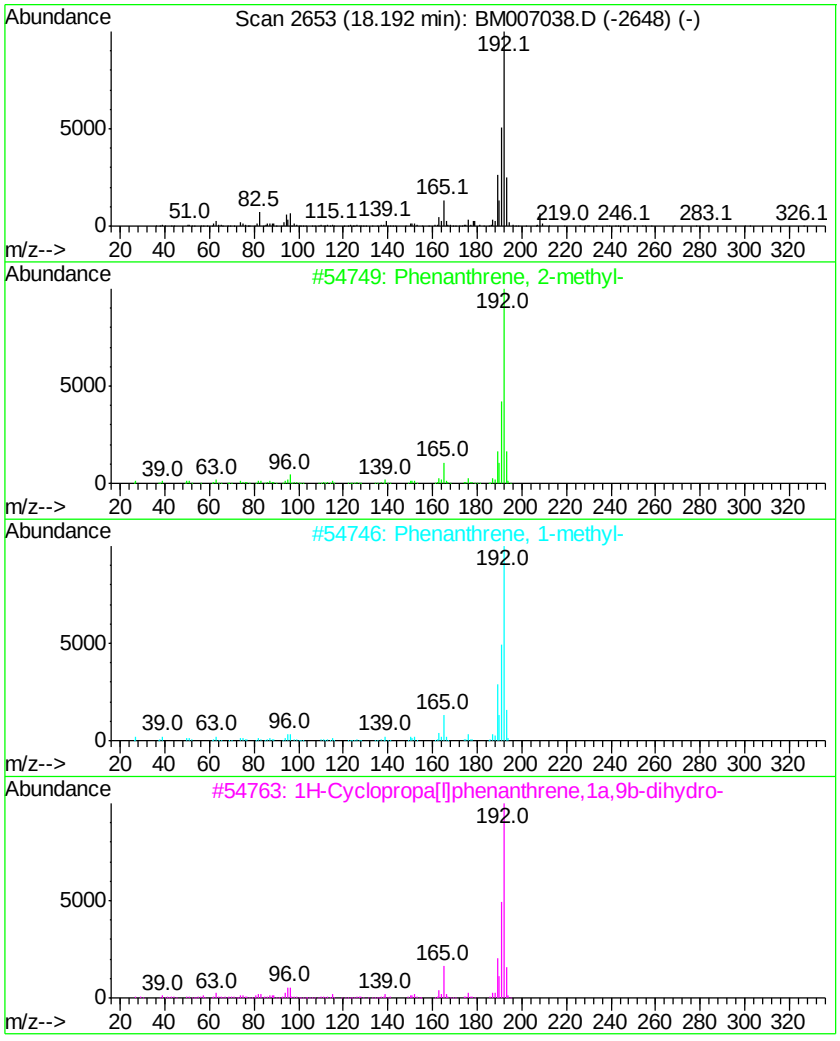
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

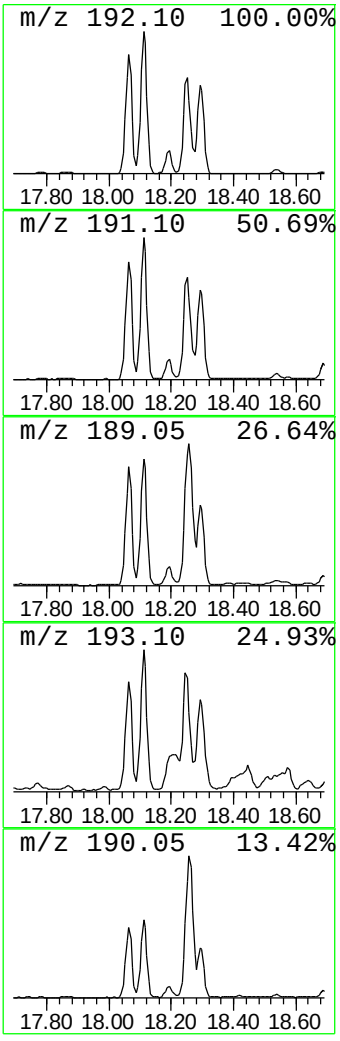
**********

Peak Number 17 1H-Cyclopropa[l]phenanthren... Concentration Rank 33

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.19 | 4.44 ng/ul | 1287530 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 94 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 93 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 93 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 93 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

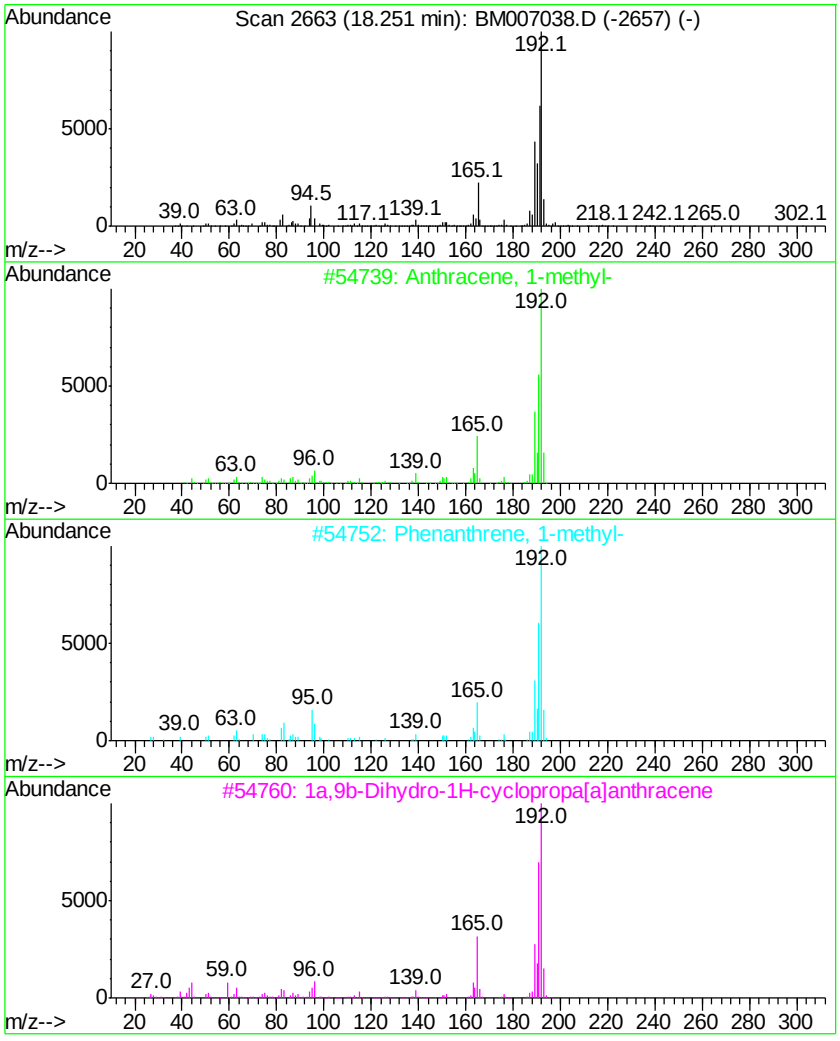
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

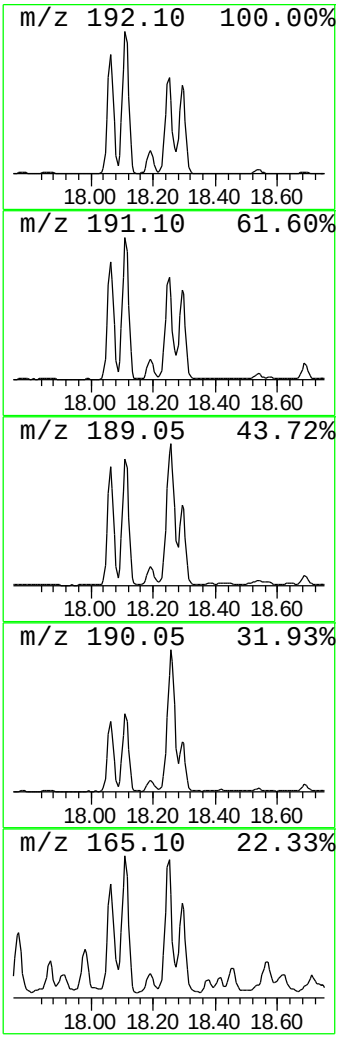
**********

Peak Number 18 Anthracene, 1-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.25 | 23.95 ng/ul | 6944660 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 92 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 83 |
| 3 | 1a,9b-Dihydro-1H-cyclopropa[a]an... | 192 | C15H12 | 006109-24-6 | 83 |
| 4 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 70 |
| 5 | 1H-Indene, 1-phenyl- | 192 | C15H12 | 001961-96-2 | 70 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

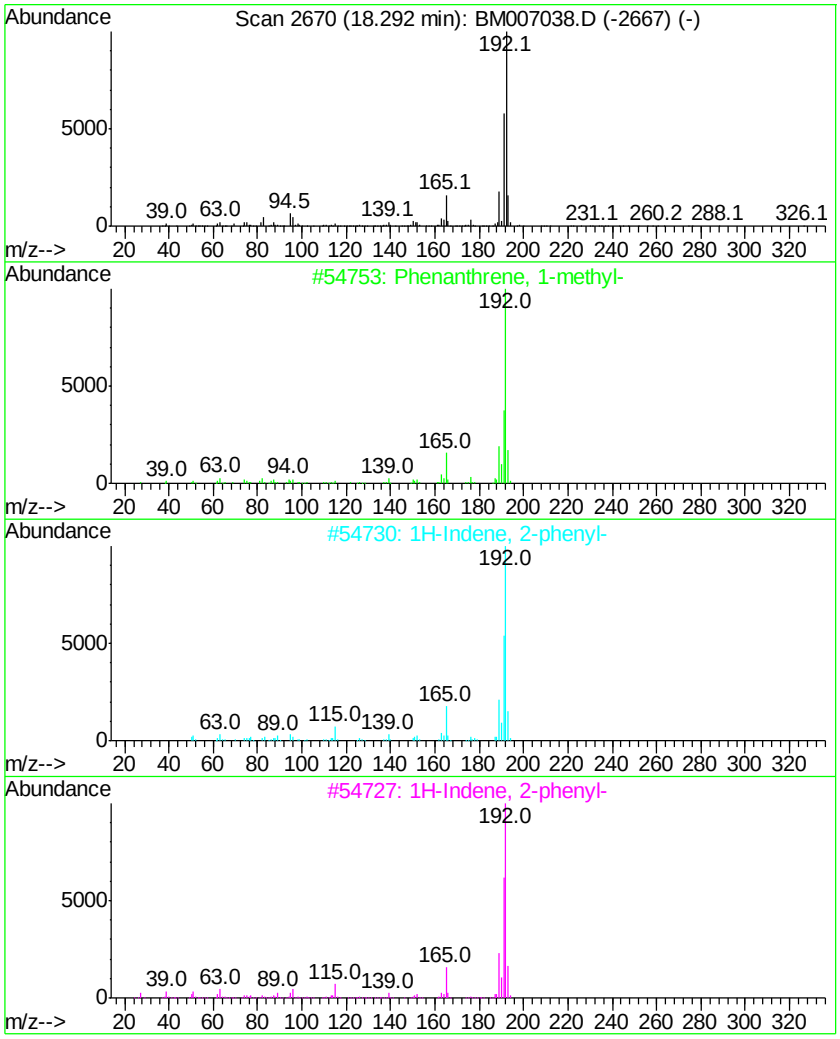
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

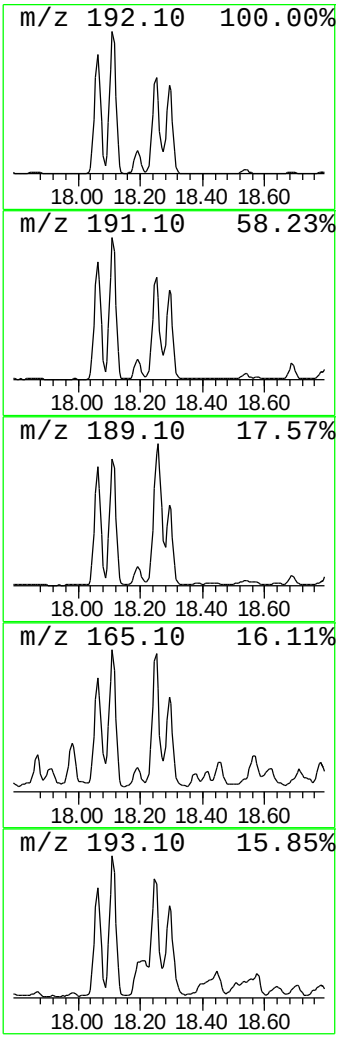
**********

Peak Number 19 unknown-01 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.29 | 15.97 ng/ul | 4631030 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 2 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 93 |
| 3 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 93 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |
| 5 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 93 |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

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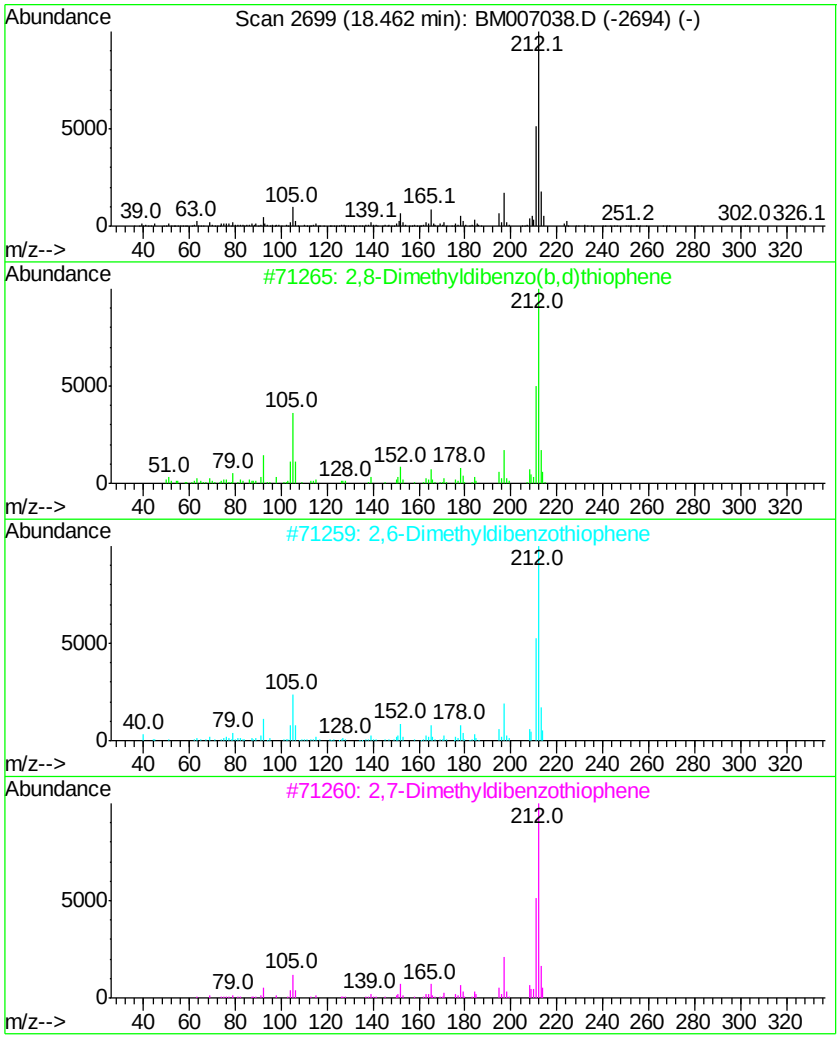
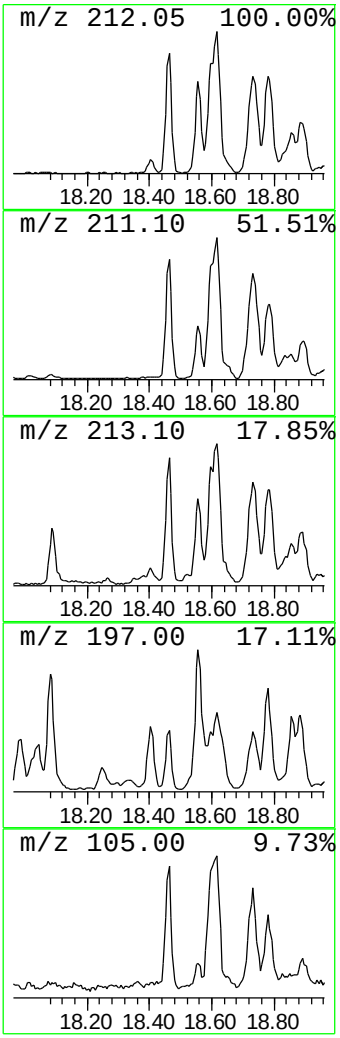
Peak Number 20 2,8-Dimethyldibenzo(b,d)thi... Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.46 | 4.88 ng/ul | 1415630 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,8-Dimethyldibenzo(b,d)thiophene | 212 | C14H12S | 001207-15-4 | 94 |
| 2 | 2,6-Dimethyldibenzothiophene | 212 | C14H12S | 089816-75-1 | 93 |
| 3 | 2,7-Dimethyldibenzothiophene | 212 | C14H12S | 031317-19-8 | 93 |
| 4 | Dibenzothiophene, 4,6-dimethyl- | 212 | C14H12S | 001207-12-1 | 93 |
| 5 | 3,7-Dimethyldibenzothiophene | 212 | C14H12S | 001136-85-2 | 83 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

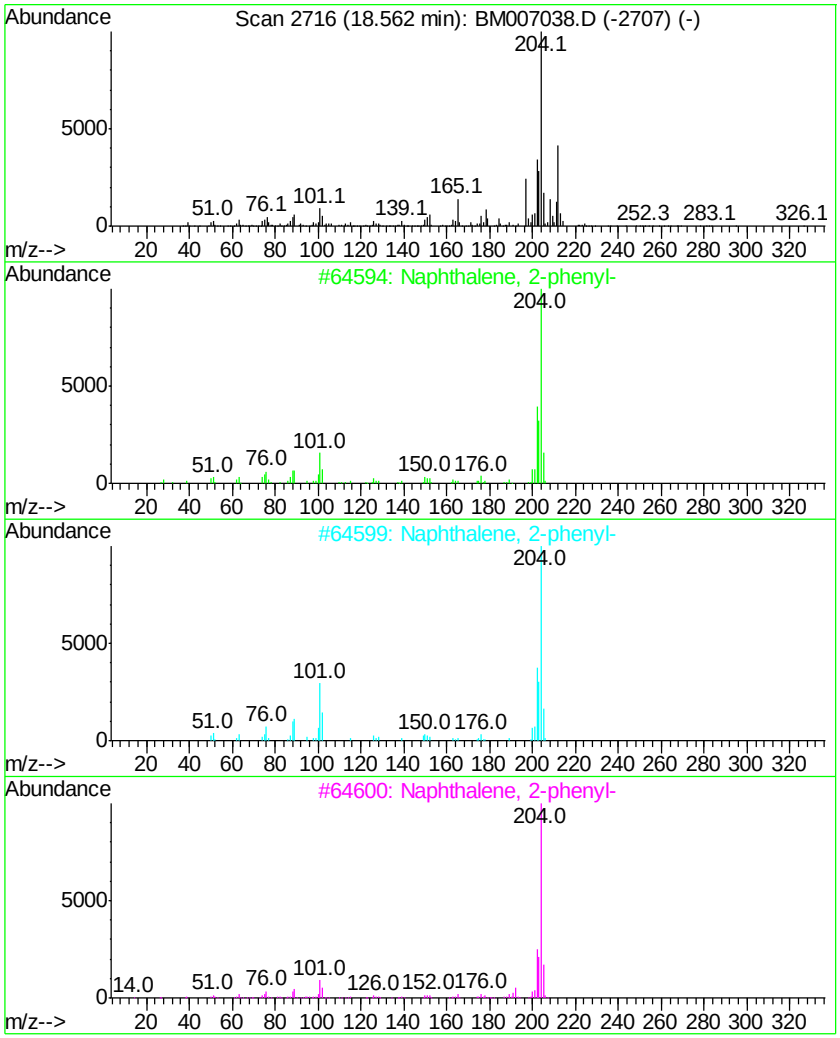
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

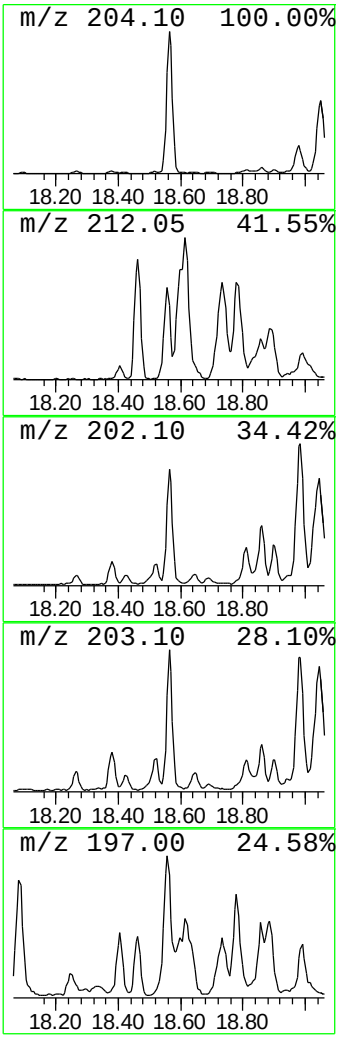
**********

Peak Number 21 Naphthalene, 2-phenyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.56 | 10.32 ng/ul | 2990920 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 87 |
| 2 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 50 |
| 3 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 46 |
| 4 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 43 |
| 5 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 43 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

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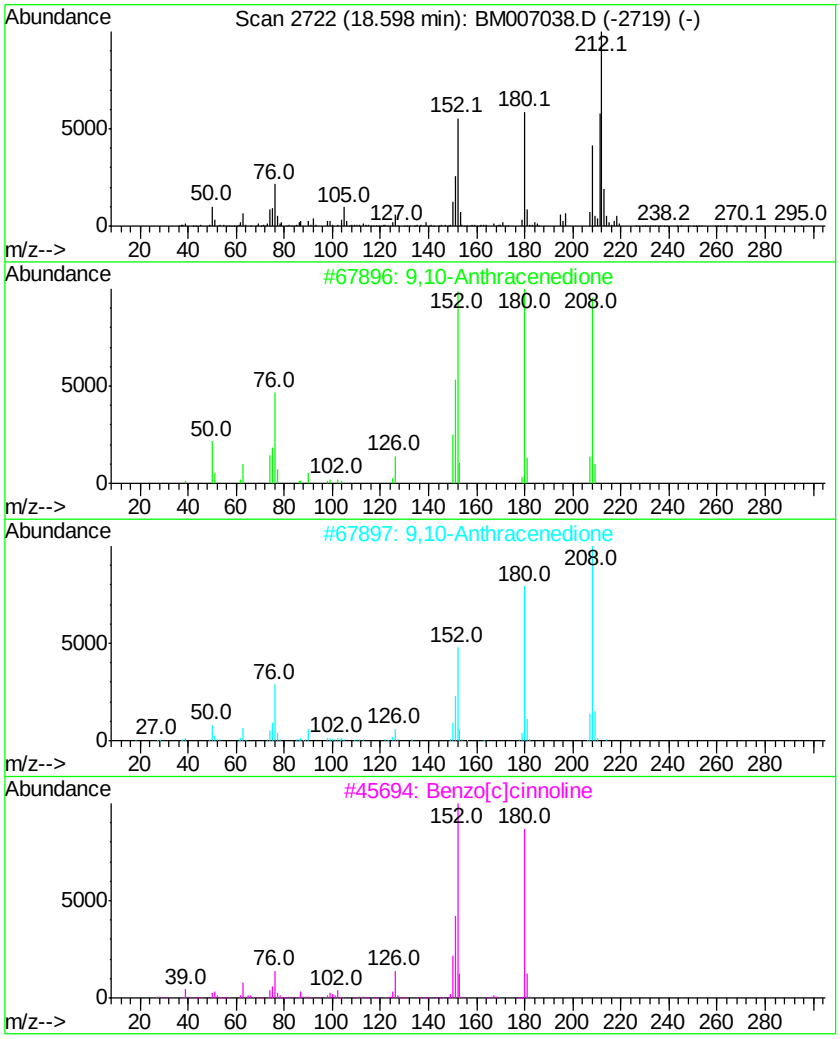
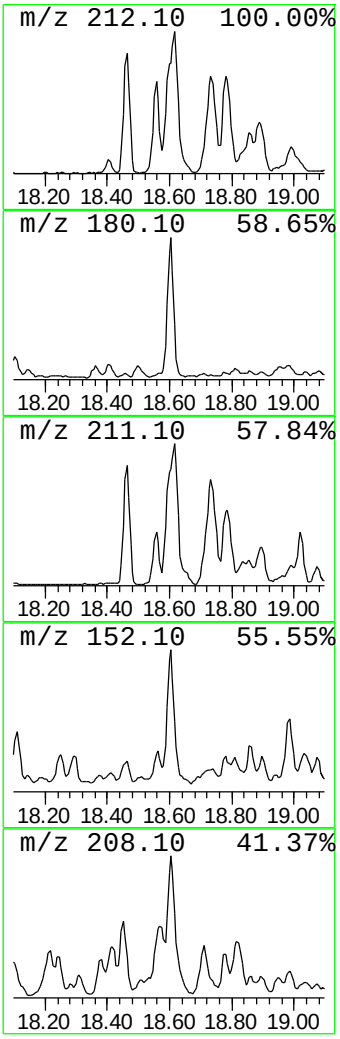
Peak Number 22 9,10-Anthracenedione Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.60 | 12.43 ng/ul | 3603810 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 95 |
| 2 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 64 |
| 3 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 52 |
| 4 | 2,7-Dimethyldibenzothiophene | 212 | C14H12S | 031317-19-8 | 43 |
| 5 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 42 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

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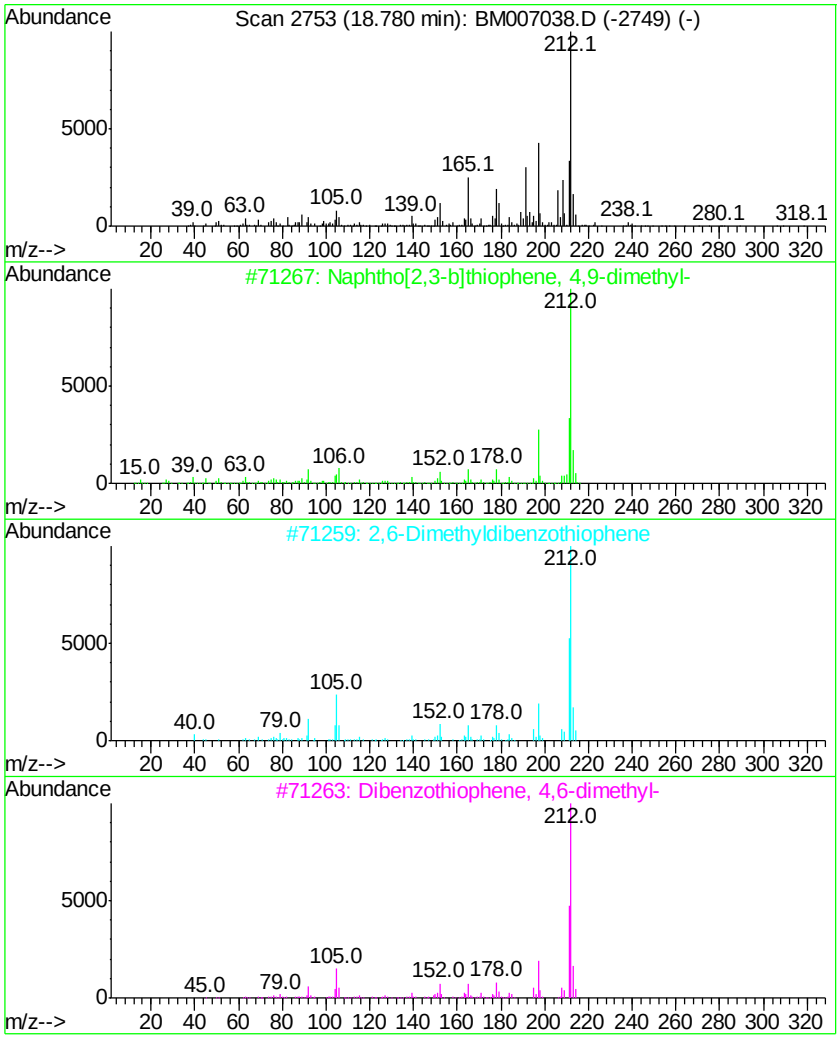
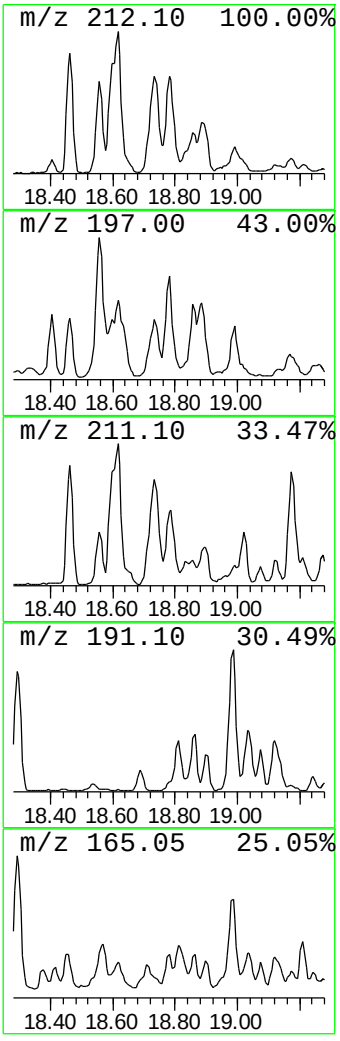
Peak Number 23 Naphtho[2,3-b]thiophene, 4,... Concentration Rank 36

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.78 | 4.03 ng/ul | 1168120 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphtho[2,3-b]thiophene, 4,9-dim... | 212 | C14H12S | 016587-34-1 | 89 |
| 2 | 2,6-Dimethyldibenzothiophene | 212 | C14H12S | 089816-75-1 | 62 |
| 3 | Dibenzothiophene, 4,6-dimethyl- | 212 | C14H12S | 001207-12-1 | 62 |
| 4 | 2,3,6-Trimethoxybenzoic acid | 212 | C10H12O5 | 060241-74-9 | 53 |
| 5 | 1,7-Dimethyldibenzothiophene | 212 | C14H12S | 089816-53-5 | 50 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

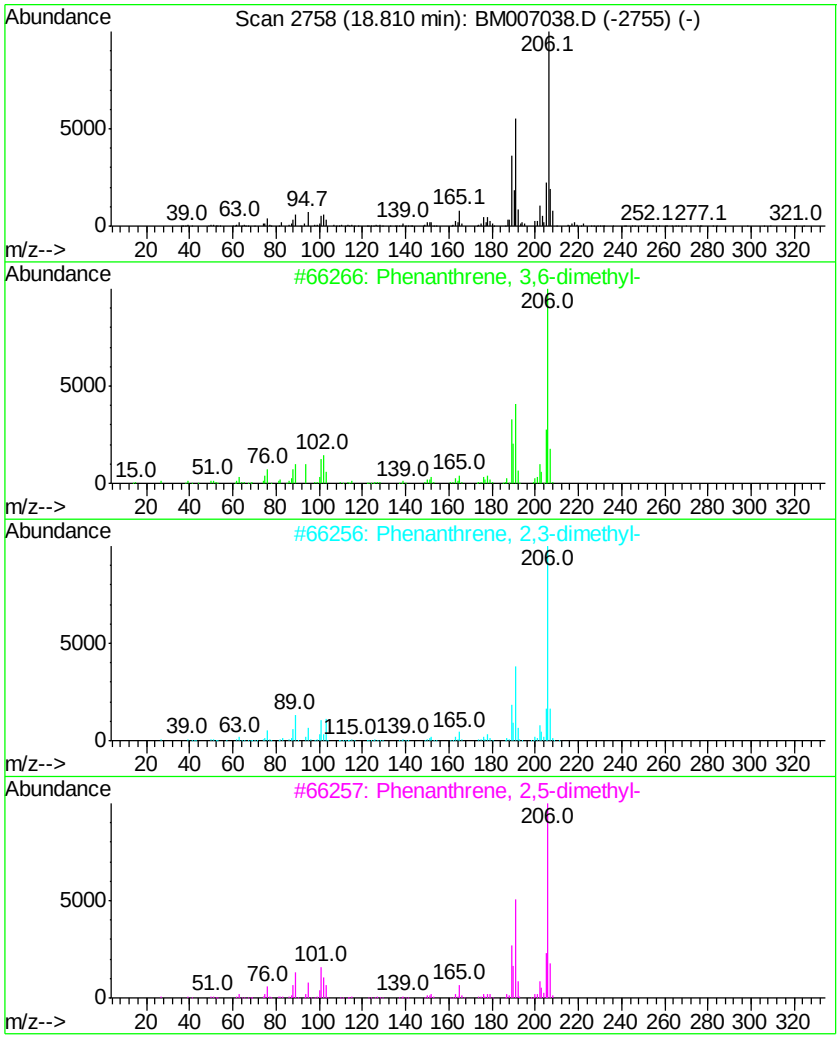
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

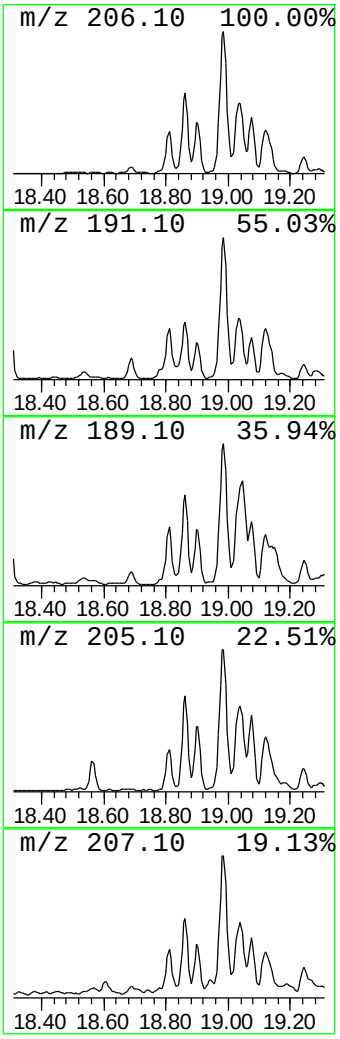
**********

Peak Number 24 Phenanthrene, 3,6-dimethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.81 | 7.73 ng/ul | 2240520 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 94 |
| 2 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 93 |
| 3 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 93 |
| 4 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 91 |
| 5 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 90 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

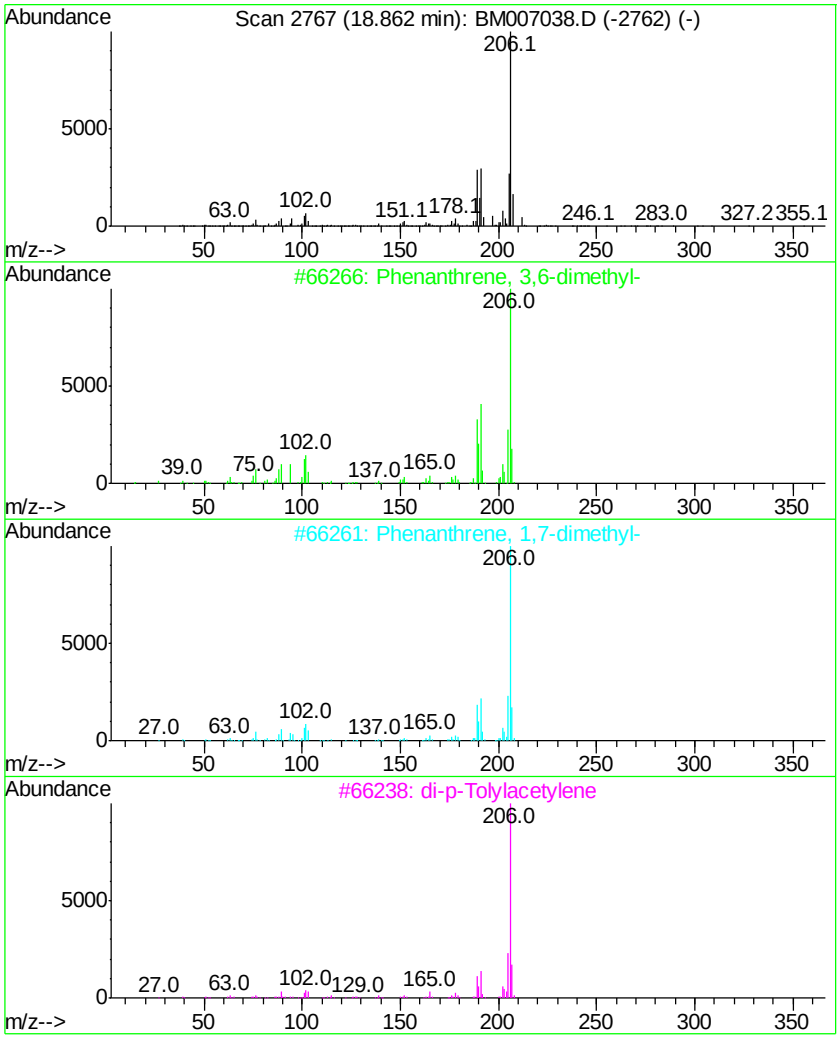
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

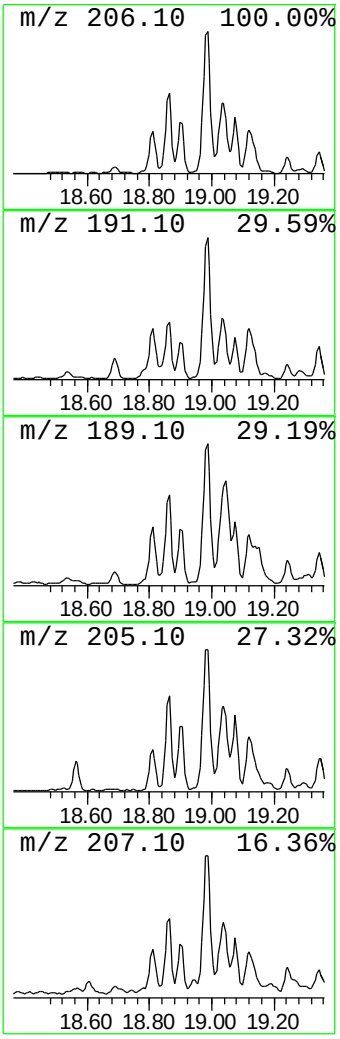
**********

Peak Number 25 Phenanthrene, 1,7-dimethyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.86 | 12.01 ng/ul | 3483180 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 95 |
| 2 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 94 |
| 3 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 91 |
| 4 | Phenanthrene, 2,7-dimethyl- | 206 | C16H14 | 001576-69-8 | 91 |
| 5 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 90 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

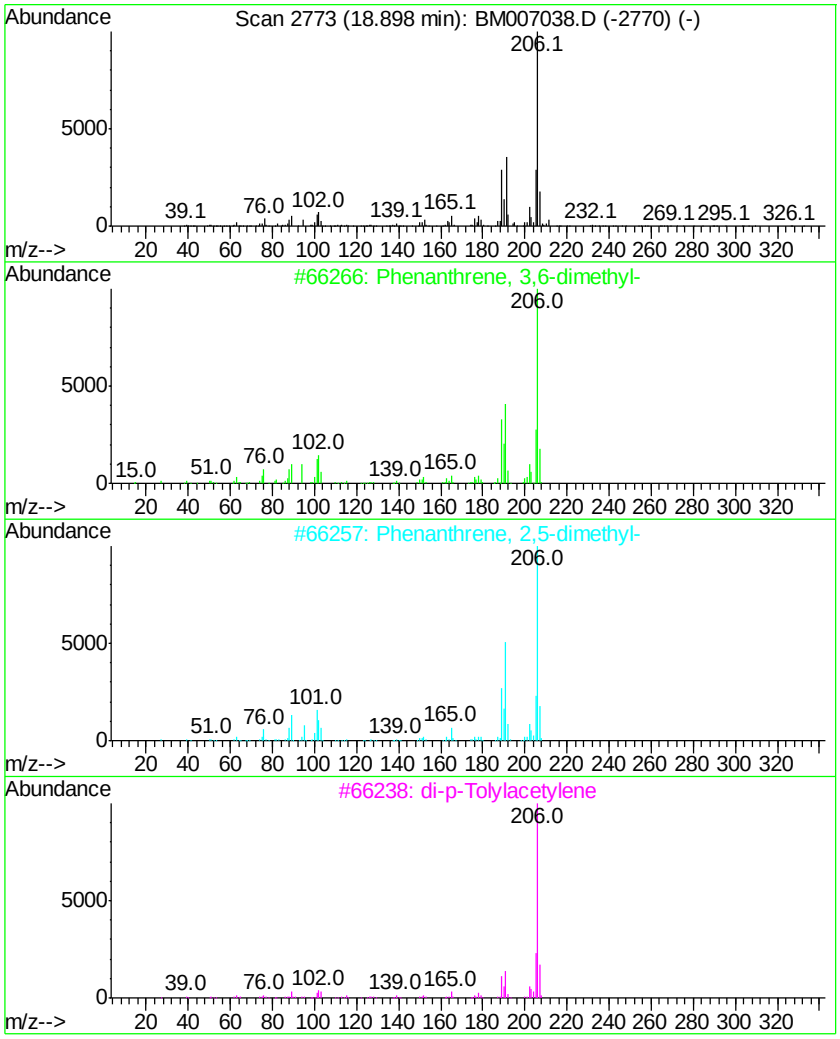
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

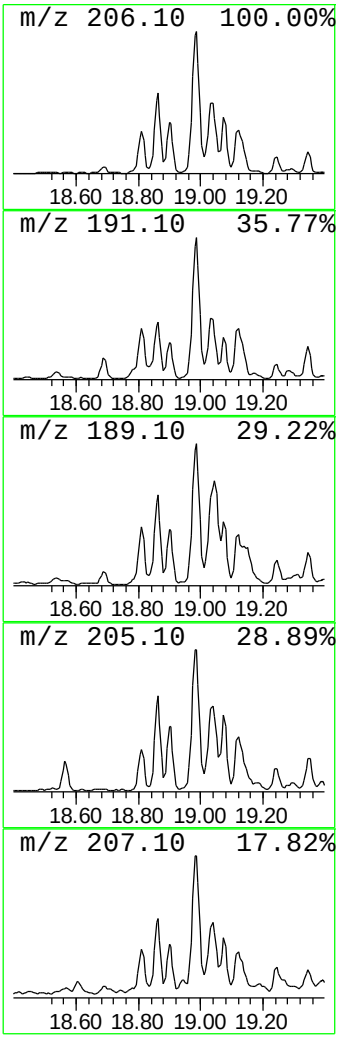
**********

Peak Number 26 di-p-Tolylacetylene Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.90 | 9.26 ng/ul | 2685150 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 95 |
| 2 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 94 |
| 3 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 94 |
| 4 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 93 |
| 5 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 93 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

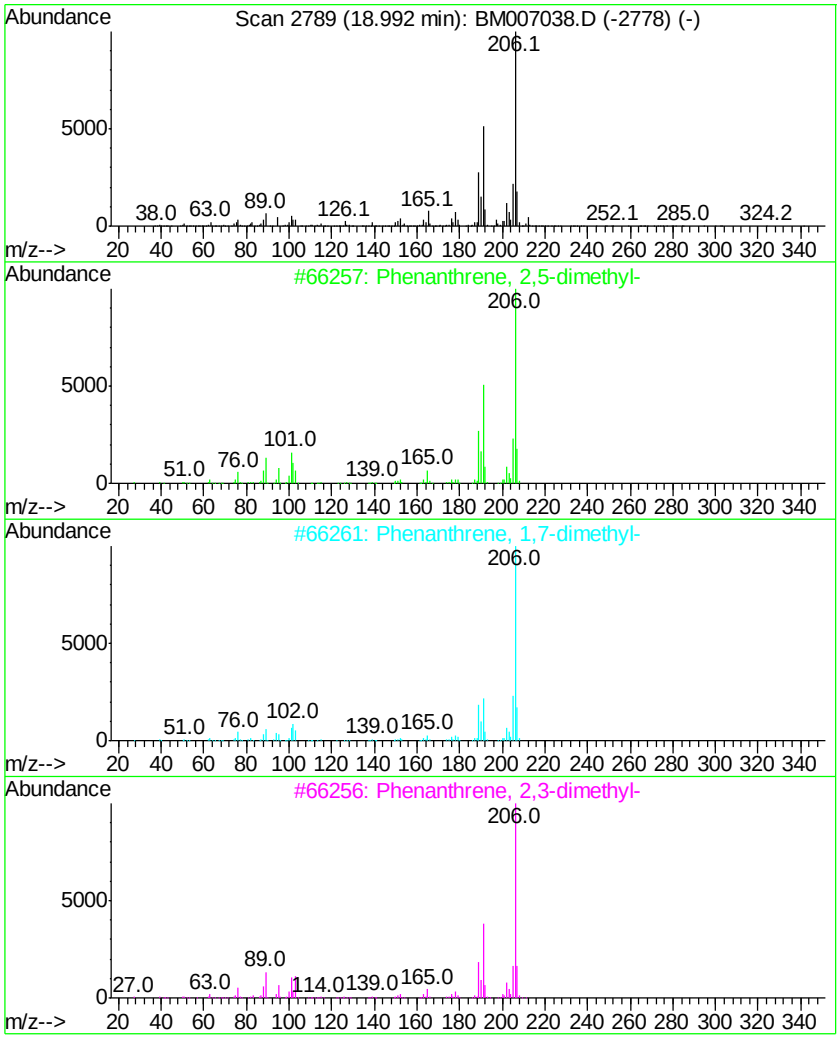
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

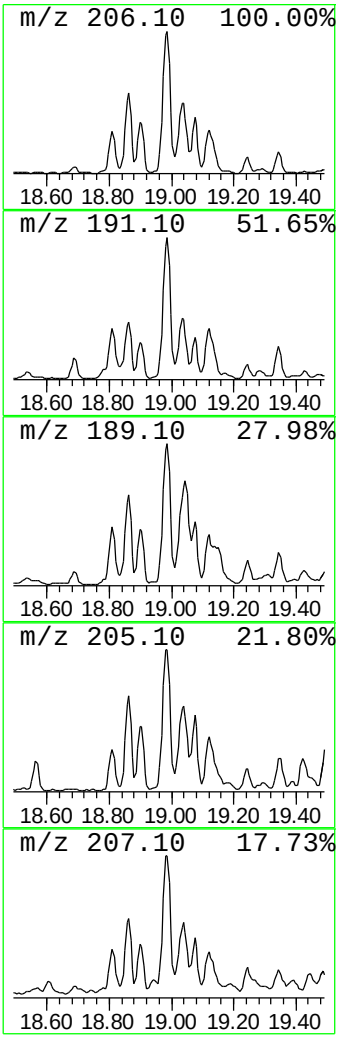
**********

Peak Number 27 Phenanthrene, 2,5-dimethyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.99 | 32.94 ng/ul | 9550840 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 95 |
| 2 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 93 |
| 3 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 93 |
| 4 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 92 |
| 5 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 91 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

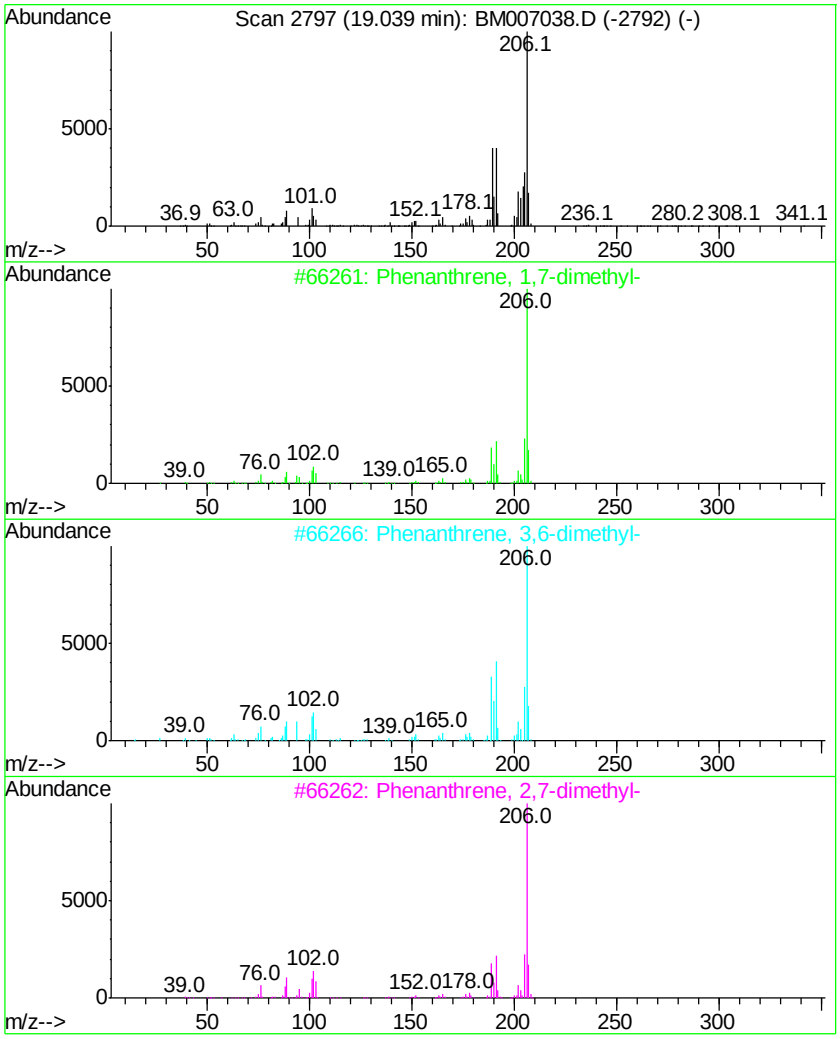
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

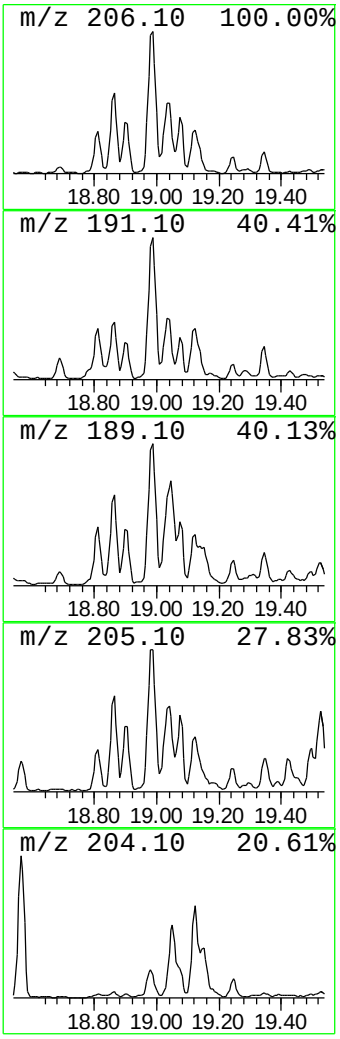
**********

Peak Number 28 unknown-02 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.04 | 13.99 ng/ul | 4057570 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 91 |
| 2 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 89 |
| 3 | Phenanthrene, 2,7-dimethyl- | 206 | C16H14 | 001576-69-8 | 87 |
| 4 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 87 |
| 5 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 86 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

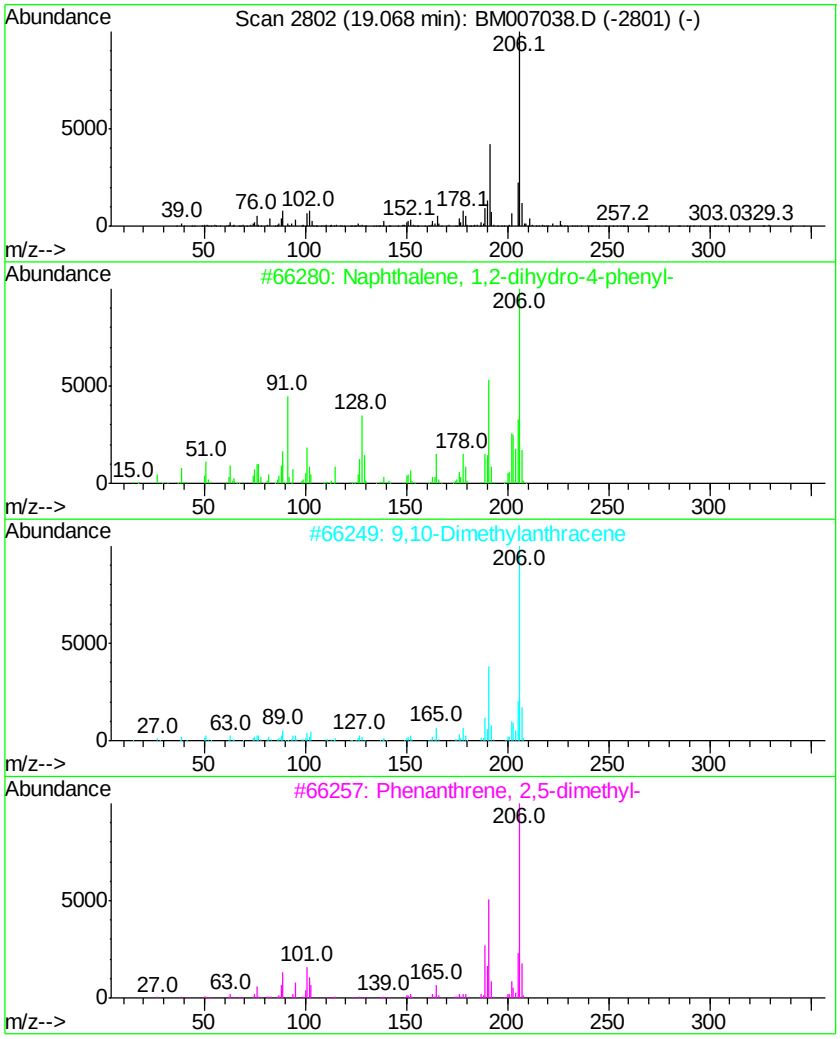
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

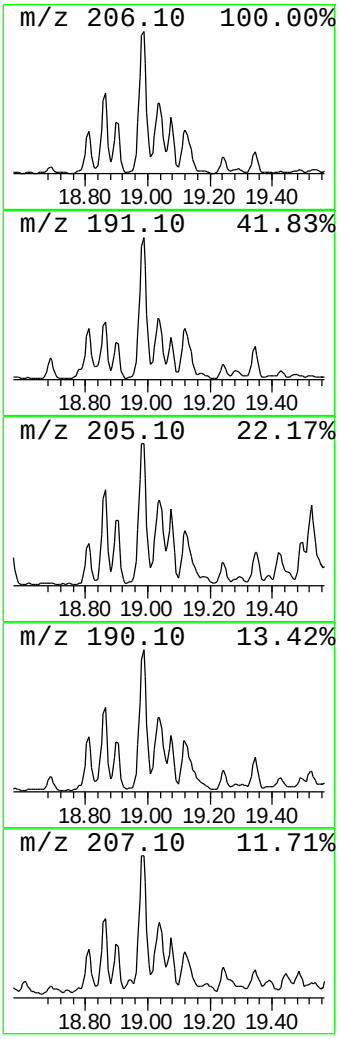
**********

Peak Number 29 Naphthalene, 1,2-dihydro-4-... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.07 | 7.10 ng/ul | 2057260 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2-dihydro-4-phenyl- | 206 | C16H14 | 007469-40-1 | 94 |
| 2 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 94 |
| 3 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 93 |
| 4 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 91 |
| 5 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 90 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

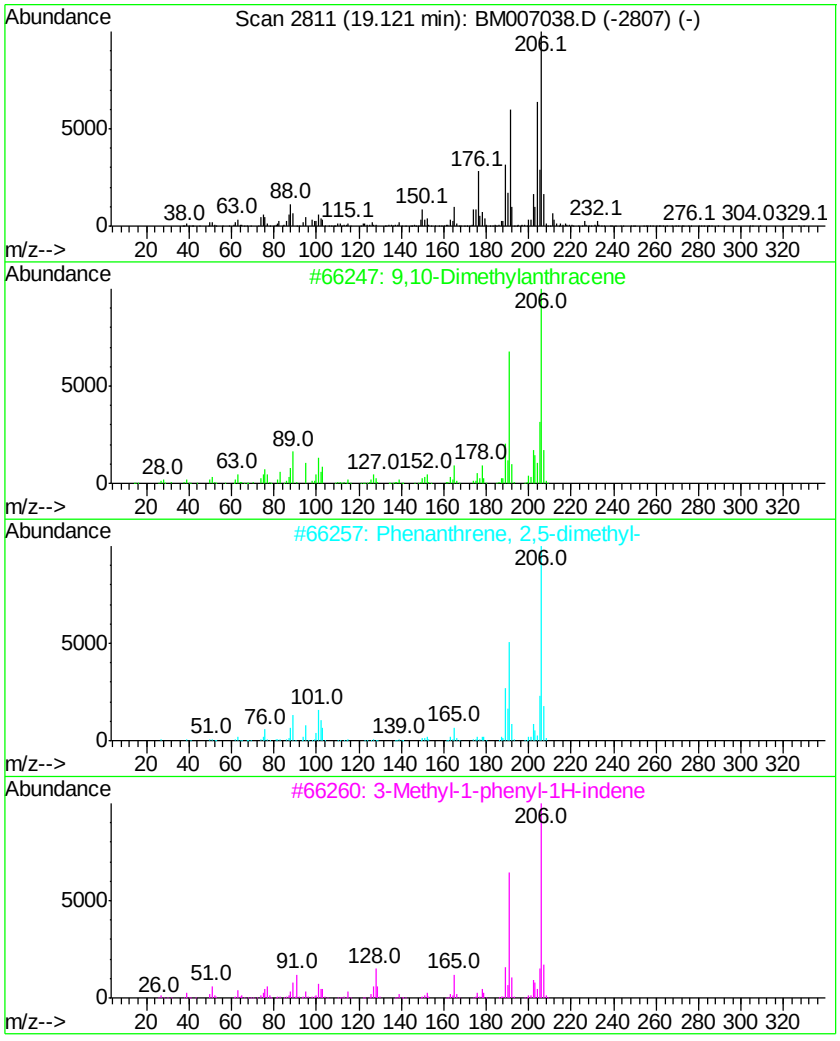
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

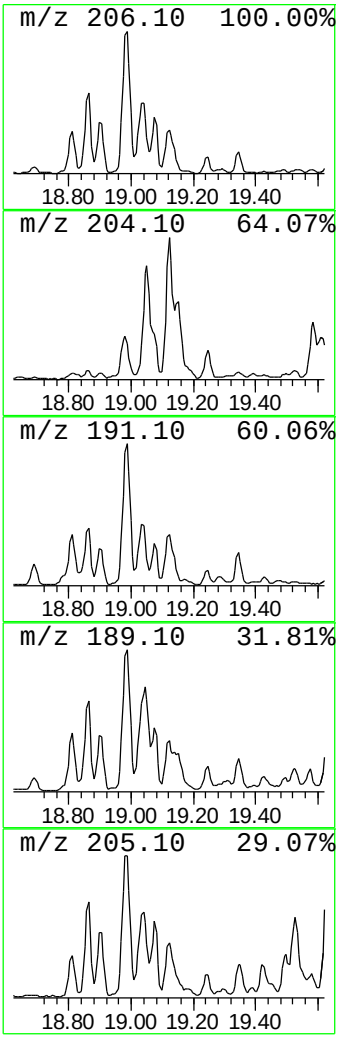
**********

Peak Number 30 9,10-Dimethylanthracene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.12 | 14.94 ng/ul | 4330510 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 93 |
| 2 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 86 |
| 3 | 3-Methyl-1-phenyl-1H-indene | 206 | C16H14 | 022360-63-0 | 83 |
| 4 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 70 |
| 5 | Phenanthrene, 4,5-dimethyl- | 206 | C16H14 | 003674-69-9 | 70 |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

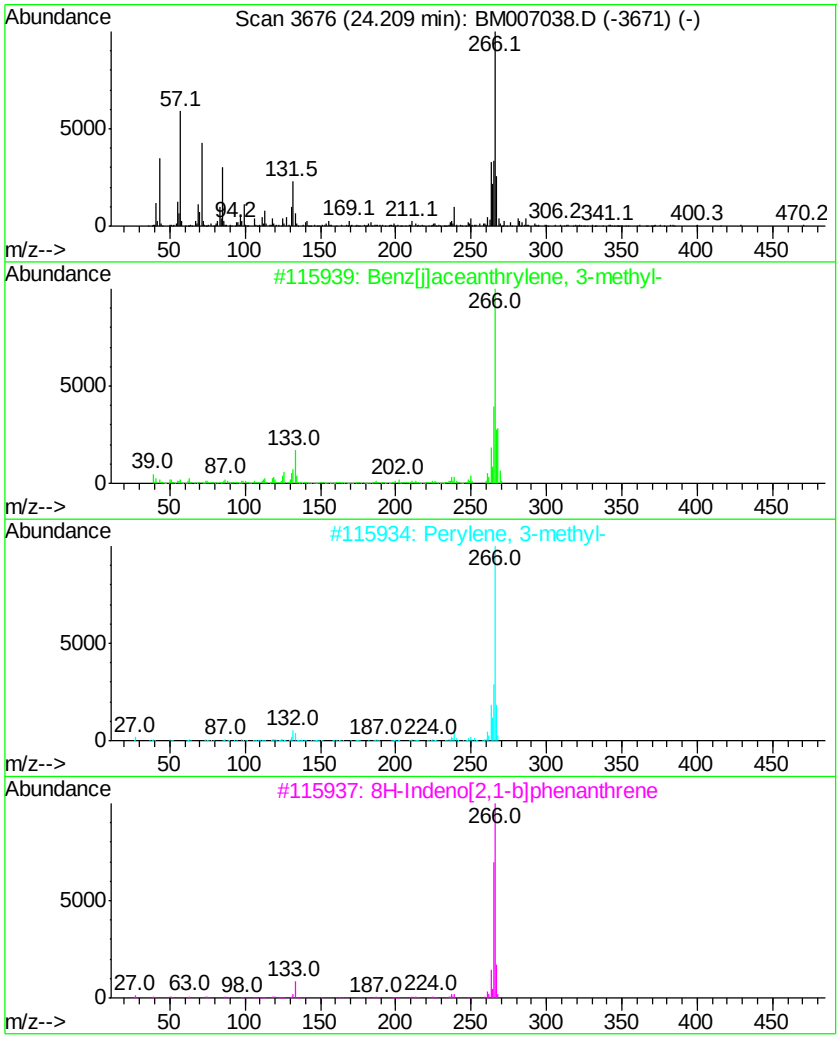
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

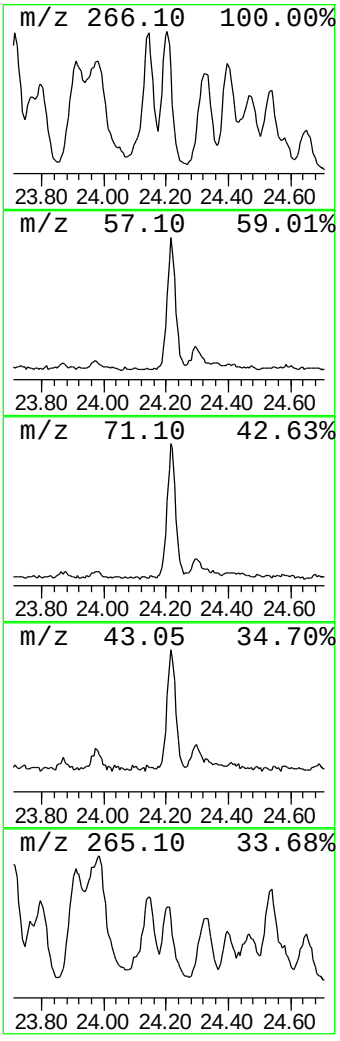
**********

Peak Number 55 Benz[j]aceanthrylene, 3-met... Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.21 | 5.90 ng/ul | 1595390 | Perylene-d12 | 23.65 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benz[j]aceanthrylene, 3-methyl- | 266 | C21H14 | 003343-10-0 | 50 |
| 2 | Perylene, 3-methyl- | 266 | C21H14 | 024471-47-4 | 46 |
| 3 | 8H-Indeno[2,1-b]phenanthrene | 266 | C21H14 | 000241-28-1 | 46 |
| 4 | 4,5-Dihydro-3H-dinaphtho[2,1-c:1... | 295 | C22H17N | 1000297-99-2 | 45 |
| 5 | Benzo[1,2-b:4,3-b']dithiophene, ... | 266 | C16H10S2 | 016587-58-9 | 43 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PR002-SS001-1218-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.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 |
| Naphthalene, 1,7-... | 13.76 | 5.0 | ng/ul | 1360180 | 3 | 14.45 | 5396550 | 20.0 |
| Naphthalene, 1,6,... | 14.85 | 4.3 | ng/ul | 1159590 | 3 | 14.45 | 5396550 | 20.0 |
| Naphthalene, 2,3,... | 14.92 | 4.0 | ng/ul | 1068530 | 3 | 14.45 | 5396550 | 20.0 |
| Naphthalene, 1,4,... | 15.06 | 5.1 | ng/ul | 1387300 | 3 | 14.45 | 5396550 | 20.0 |
| Naphthalene, 1,4,... | 15.23 | 3.7 | ng/ul | 993383 | 3 | 14.45 | 5396550 | 20.0 |
| 9H-Fluoren-9-ol | 15.78 | 3.0 | ng/ul | 819835 | 3 | 14.45 | 5396550 | 20.0 |
| 1,4,5,8-Tetrameth... | 16.16 | 5.3 | ng/ul | 1523560 | 4 | 17.19 | 5798630 | 20.0 |
| 9H-Fluorene, 2-me... | 16.49 | 5.3 | ng/ul | 1549570 | 4 | 17.19 | 5798630 | 20.0 |
| 9H-Fluorene, 1-me... | 16.54 | 3.4 | ng/ul | 998264 | 4 | 17.19 | 5798630 | 20.0 |
| 9H-Fluoren-9-one | 16.84 | 3.7 | ng/ul | 1071350 | 4 | 17.19 | 5798630 | 20.0 |
| Dibenzothiophene | 17.00 | 5.1 | ng/ul | 1477840 | 4 | 17.19 | 5798630 | 20.0 |
| 9H-Fluorene, 2,3-... | 17.38 | 4.8 | ng/ul | 1386580 | 4 | 17.19 | 5798630 | 20.0 |
| 1-Methyldibenzoth... | 17.77 | 8.5 | ng/ul | 2465950 | 4 | 17.19 | 5798630 | 20.0 |
| 4-Methylnaphtho[1... | 17.91 | 6.1 | ng/ul | 1776540 | 4 | 17.19 | 5798630 | 20.0 |
| Phenanthrene, 2-m... | 18.06 | 23.8 | ng/ul | 6912280 | 4 | 17.19 | 5798630 | 20.0 |
| Phenanthrene, 1-m... | 18.11 | 27.8 | ng/ul | 8048460 | 4 | 17.19 | 5798630 | 20.0 |
| 1H-Cyclopropa[l]p... | 18.19 | 4.4 | ng/ul | 1287530 | 4 | 17.19 | 5798630 | 20.0 |
| Anthracene, 1-met... | 18.25 | 23.9 | ng/ul | 6944660 | 4 | 17.19 | 5798630 | 20.0 |
| unknown-01 | 18.29 | 16.0 | ng/ul | 4631030 | 4 | 17.19 | 5798630 | 20.0 |
| 2,8-Dimethyldiben... | 18.46 | 4.9 | ng/ul | 1415630 | 4 | 17.19 | 5798630 | 20.0 |
| Naphthalene, 2-ph... | 18.56 | 10.3 | ng/ul | 2990920 | 4 | 17.19 | 5798630 | 20.0 |
| 9,10-Anthracenedione | 18.60 | 12.4 | ng/ul | 3603810 | 4 | 17.19 | 5798630 | 20.0 |
| Naphtho[2,3-b]thi... | 18.78 | 4.0 | ng/ul | 1168120 | 4 | 17.19 | 5798630 | 20.0 |
| Phenanthrene, 3,6... | 18.81 | 7.7 | ng/ul | 2240520 | 4 | 17.19 | 5798630 | 20.0 |
| Phenanthrene, 1,7... | 18.86 | 12.0 | ng/ul | 3483180 | 4 | 17.19 | 5798630 | 20.0 |
| di-p-Tolylacetylene | 18.90 | 9.3 | ng/ul | 2685150 | 4 | 17.19 | 5798630 | 20.0 |
| Phenanthrene, 2,5... | 18.99 | 32.9 | ng/ul | 9550840 | 4 | 17.19 | 5798630 | 20.0 |
| unknown-02 | 19.04 | 14.0 | ng/ul | 4057570 | 4 | 17.19 | 5798630 | 20.0 |
| Naphthalene, 1,2-... | 19.07 | 7.1 | ng/ul | 2057260 | 4 | 17.19 | 5798630 | 20.0 |
| 9,10-Dimethylanth... | 19.12 | 14.9 | ng/ul | 4330510 | 4 | 17.19 | 5798630 | 20.0 |
| Benz[j]aceanthryl... | 24.21 | 5.9 | ng/ul | 1595390 | 6 | 23.65 | 5409840 | 20.0 |