LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013382.D
Acq On : 13 Dec 2017 20:11
Operator : SJ/JU
Sample : I6758-13ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9B14ME

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\SOM-EPA-BM113017.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 | 6.857 | 633 | 641 | 647 | rBV | 326533 | 587408 | 1.53% | 0.212% |
| 2 | 7.216 | 693 | 702 | 710 | rVB | 359796 | 576433 | 1.50% | 0.208% |
| 3 | 7.681 | 773 | 781 | 793 | rBV | 461936 | 769216 | 2.01% | 0.278% |
| 4 | 8.051 | 835 | 844 | 850 | rBV | 292900 | 466213 | 1.22% | 0.168% |
| 5 | 8.386 | 894 | 901 | 910 | rBV | 466923 | 745828 | 1.95% | 0.269% |
| 6 | 8.833 | 971 | 977 | 985 | rBV2 | 378538 | 707279 | 1.84% | 0.255% |
| 7 | 9.551 | 1090 | 1099 | 1105 | rBV | 321006 | 533961 | 1.39% | 0.193% |
| 8 | 9.863 | 1145 | 1152 | 1162 | rBV3 | 181940 | 471749 | 1.23% | 0.170% |
| 9 | 10.086 | 1181 | 1190 | 1200 | rVB | 473269 | 822658 | 2.15% | 0.297% |
| 10 | 10.463 | 1243 | 1254 | 1257 | rBV | 618691 | 1200335 | 3.13% | 0.433% |
| 11 | 10.522 | 1257 | 1264 | 1271 | rVV | 17303285 | 28829506 | 75.19% | 10.405% |
| 12 | 10.627 | 1271 | 1282 | 1294 | rVB2 | 588703 | 1671777 | 4.36% | 0.603% |
| 13 | 12.133 | 1527 | 1538 | 1545 | rBV | 6201495 | 9752537 | 25.44% | 3.520% |
| 14 | 12.351 | 1564 | 1575 | 1585 | rVB | 3028207 | 4749835 | 12.39% | 1.714% |
| 15 | 13.151 | 1704 | 1711 | 1717 | rBV | 1633834 | 2348883 | 6.13% | 0.848% |
| 16 | 13.351 | 1739 | 1745 | 1755 | rVB | 612900 | 1180105 | 3.08% | 0.426% |
| 17 | 13.486 | 1757 | 1768 | 1769 | rBV | 973787 | 1528653 | 3.99% | 0.552% |
| 18 | 13.645 | 1788 | 1795 | 1800 | rBV | 1481279 | 2648815 | 6.91% | 0.956% |
| 19 | 13.698 | 1800 | 1804 | 1807 | rVV | 1011385 | 1471481 | 3.84% | 0.531% |
| 20 | 13.739 | 1807 | 1811 | 1815 | rVV | 994253 | 1436677 | 3.75% | 0.518% |
| 21 | 13.880 | 1828 | 1835 | 1839 | rBV | 719181 | 1132434 | 2.95% | 0.409% |
| 22 | 14.015 | 1852 | 1858 | 1861 | rBV | 1110355 | 1815082 | 4.73% | 0.655% |
| 23 | 14.045 | 1861 | 1863 | 1870 | rVB | 886733 | 1088375 | 2.84% | 0.393% |
| 24 | 14.304 | 1899 | 1907 | 1908 | rBV | 934863 | 1203524 | 3.14% | 0.434% |
| 25 | 14.321 | 1908 | 1910 | 1916 | rVV2 | 1065673 | 1610852 | 4.20% | 0.581% |
| 26 | 14.392 | 1916 | 1922 | 1930 | rVV | 6672837 | 10100811 | 26.34% | 3.645% |
| 27 | 14.539 | 1940 | 1947 | 1955 | rBV2 | 593506 | 1233592 | 3.22% | 0.445% |
| 28 | 14.633 | 1955 | 1963 | 1968 | rBV2 | 333847 | 600907 | 1.57% | 0.217% |
| 29 | 14.727 | 1968 | 1979 | 1987 | rVB | 5360225 | 7873488 | 20.54% | 2.842% |
| 30 | 14.804 | 1987 | 1992 | 1996 | rBV | 411446 | 569843 | 1.49% | 0.206% |
| 31 | 14.945 | 2008 | 2016 | 2021 | rBV4 | 339441 | 683844 | 1.78% | 0.247% |
| 32 | 14.998 | 2021 | 2025 | 2030 | rVB | 378295 | 490342 | 1.28% | 0.177% |
| 33 | 15.121 | 2037 | 2046 | 2048 | rBV2 | 305778 | 607412 | 1.58% | 0.219% |
| 34 | 15.321 | 2073 | 2080 | 2084 | rBV2 | 1512173 | 2204743 | 5.75% | 0.796% |

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013382.D
Acq On : 13 Dec 2017 20:11
Operator : SJ/JU
Sample : I6758-13ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9B14ME

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\SOM-EPA-BM113017.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 15.380 | 2084 | 2090 | 2099 | rVB | 7652653 | 10846577 | 28.29% | 3.915% |
| 36 | 15.462 | 2099 | 2104 | 2108 | rBV2 | 453510 | 903340 | 2.36% | 0.326% |
| 37 | 15.504 | 2108 | 2111 | 2113 | rVV | 538787 | 704401 | 1.84% | 0.254% |
| 38 | 15.539 | 2113 | 2117 | 2122 | rVV2 | 962021 | 1404062 | 3.66% | 0.507% |
| 39 | 15.627 | 2128 | 2132 | 2135 | rVV | 471461 | 708850 | 1.85% | 0.256% |
| 40 | 15.674 | 2135 | 2140 | 2149 | rVB | 1272818 | 1927841 | 5.03% | 0.696% |
| 41 | 15.821 | 2156 | 2165 | 2172 | rVB | 1228464 | 2671411 | 6.97% | 0.964% |
| 42 | 15.909 | 2172 | 2180 | 2185 | rVB2 | 250692 | 557044 | 1.45% | 0.201% |
| 43 | 16.045 | 2195 | 2203 | 2212 | rVB3 | 464320 | 1154234 | 3.01% | 0.417% |
| 44 | 16.380 | 2248 | 2260 | 2265 | rBV2 | 984740 | 2253800 | 5.88% | 0.813% |
| 45 | 16.427 | 2265 | 2268 | 2274 | rVB2 | 418257 | 609016 | 1.59% | 0.220% |
| 46 | 16.533 | 2280 | 2286 | 2290 | rVB2 | 399419 | 690863 | 1.80% | 0.249% |
| 47 | 16.651 | 2302 | 2306 | 2309 | rVB2 | 382044 | 474127 | 1.24% | 0.171% |
| 48 | 16.733 | 2316 | 2320 | 2327 | rVB2 | 434694 | 666160 | 1.74% | 0.240% |
| 49 | 16.809 | 2327 | 2333 | 2334 | rBV | 489204 | 677206 | 1.77% | 0.244% |
| 50 | 16.892 | 2342 | 2347 | 2358 | rVB | 2018757 | 2954630 | 7.71% | 1.066% |
| 51 | 17.080 | 2373 | 2379 | 2381 | rBV2 | 1332609 | 2076837 | 5.42% | 0.750% |
| 52 | 17.127 | 2381 | 2387 | 2392 | rVV | 25370405 | 38341001 | 100.00% | 13.837% |
| 53 | 17.174 | 2392 | 2395 | 2398 | rVV | 1761347 | 2609109 | 6.81% | 0.942% |
| 54 | 17.209 | 2398 | 2401 | 2406 | rVB | 3619992 | 4672377 | 12.19% | 1.686% |
| 55 | 17.480 | 2441 | 2447 | 2451 | rBV | 1658065 | 2292065 | 5.98% | 0.827% |
| 56 | 17.598 | 2461 | 2467 | 2472 | rBV3 | 287385 | 542144 | 1.41% | 0.196% |
| 57 | 17.651 | 2472 | 2476 | 2486 | rVB2 | 337529 | 712246 | 1.86% | 0.257% |
| 58 | 17.792 | 2496 | 2500 | 2509 | rVB2 | 269156 | 486433 | 1.27% | 0.176% |
| 59 | 17.951 | 2518 | 2527 | 2531 | rBV | 2070900 | 3055943 | 7.97% | 1.103% |
| 60 | 17.998 | 2531 | 2535 | 2541 | rVB | 2723987 | 3737279 | 9.75% | 1.349% |
| 61 | 18.080 | 2542 | 2549 | 2554 | rBV | 929980 | 1453406 | 3.79% | 0.525% |
| 62 | 18.145 | 2554 | 2560 | 2564 | rBV3 | 2927529 | 5086407 | 13.27% | 1.836% |
| 63 | 18.180 | 2564 | 2566 | 2572 | rVB | 1056036 | 1273641 | 3.32% | 0.460% |
| 64 | 18.456 | 2608 | 2613 | 2617 | rBV | 1323003 | 1794797 | 4.68% | 0.648% |
| 65 | 18.498 | 2617 | 2620 | 2625 | rVB2 | 402830 | 539607 | 1.41% | 0.195% |
| 66 | 18.750 | 2658 | 2663 | 2666 | rVV | 337194 | 468601 | 1.22% | 0.169% |
| 67 | 18.868 | 2678 | 2683 | 2688 | rBV2 | 642955 | 1201717 | 3.13% | 0.434% |
| 68 | 18.933 | 2688 | 2694 | 2698 | rVV4 | 285719 | 522665 | 1.36% | 0.189% |
| 69 | 19.015 | 2703 | 2708 | 2715 | rBV5 | 320959 | 657706 | 1.72% | 0.237% |
| 70 | 19.145 | 2723 | 2730 | 2735 | rBV | 14283082 | 19273984 | 50.27% | 6.956% |
| 71 | 19.203 | 2735 | 2740 | 2743 | rVV2 | 328149 | 471066 | 1.23% | 0.170% |

LSC Area Percent Report

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Data File : BM013382.D
Acq On : 13 Dec 2017 20:11
Operator : SJ/JU
Sample : I6758-13ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9B14ME

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\SOM-EPA-BM113017.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 19.380 | 2766 | 2770 | 2774 | rBV | 354019 | 490622 | 1.28% | 0.177% |
| 73 | 19.474 | 2780 | 2786 | 2788 | rBV3 | 4330979 | 6417783 | 16.74% | 2.316% |
| 74 | 19.503 | 2788 | 2791 | 2799 | rVV | 8631328 | 11893181 | 31.02% | 4.292% |
| 75 | 19.574 | 2799 | 2803 | 2809 | rVB2 | 490866 | 808966 | 2.11% | 0.292% |
| 76 | 19.680 | 2816 | 2821 | 2828 | rVB | 565303 | 830618 | 2.17% | 0.300% |
| 77 | 19.827 | 2840 | 2846 | 2852 | rBV3 | 619108 | 1480246 | 3.86% | 0.534% |
| 78 | 19.956 | 2864 | 2868 | 2871 | rVV5 | 498743 | 972535 | 2.54% | 0.351% |
| 79 | 19.997 | 2871 | 2875 | 2882 | rVB | 1949284 | 2727560 | 7.11% | 0.984% |
| 80 | 20.097 | 2887 | 2892 | 2896 | rBV | 1901545 | 2376895 | 6.20% | 0.858% |
| 81 | 20.156 | 2896 | 2902 | 2906 | rVV2 | 700103 | 1241837 | 3.24% | 0.448% |
| 82 | 20.344 | 2929 | 2934 | 2938 | rVB3 | 371538 | 542279 | 1.41% | 0.196% |
| 83 | 20.909 | 3026 | 3030 | 3034 | rBV | 719479 | 957907 | 2.50% | 0.346% |
| 84 | 20.950 | 3034 | 3037 | 3039 | rVV | 594968 | 685122 | 1.79% | 0.247% |
| 85 | 20.986 | 3039 | 3043 | 3048 | rVV2 | 1028581 | 1570288 | 4.10% | 0.567% |
| 86 | 21.039 | 3050 | 3052 | 3060 | rVB | 339709 | 482114 | 1.26% | 0.174% |
| 87 | 21.256 | 3082 | 3089 | 3094 | rBV3 | 4408383 | 9055623 | 23.62% | 3.268% |
| 88 | 21.303 | 3094 | 3097 | 3106 | rVB | 2793392 | 3494676 | 9.11% | 1.261% |
| 89 | 21.421 | 3113 | 3117 | 3122 | rBV | 534393 | 783079 | 2.04% | 0.283% |
| 90 | 21.580 | 3139 | 3144 | 3149 | rBV2 | 366506 | 597851 | 1.56% | 0.216% |
| 91 | 21.809 | 3180 | 3183 | 3188 | rVB | 452139 | 603454 | 1.57% | 0.218% |
| 92 | 21.862 | 3189 | 3192 | 3197 | rVB | 348586 | 474138 | 1.24% | 0.171% |
| 93 | 22.821 | 3350 | 3355 | 3361 | rBV | 1492903 | 3427238 | 8.94% | 1.237% |
| 94 | 22.991 | 3380 | 3384 | 3389 | rVB | 313508 | 499101 | 1.30% | 0.180% |
| 95 | 23.297 | 3431 | 3436 | 3440 | rBV | 663535 | 1163429 | 3.03% | 0.420% |
| 96 | 23.350 | 3440 | 3445 | 3449 | rVV | 1634116 | 2928012 | 7.64% | 1.057% |
| 97 | 23.391 | 3449 | 3452 | 3458 | rVB | 1137414 | 1895457 | 4.94% | 0.684% |
| 98 | 23.491 | 3462 | 3469 | 3474 | rBV | 1505370 | 2865153 | 7.47% | 1.034% |
| 99 | 25.715 | 3842 | 3847 | 3861 | rVB2 | 376417 | 1131087 | 2.95% | 0.408% |
| 100 | 26.403 | 3960 | 3964 | 3974 | rVB5 | 189256 | 502809 | 1.31% | 0.181% |

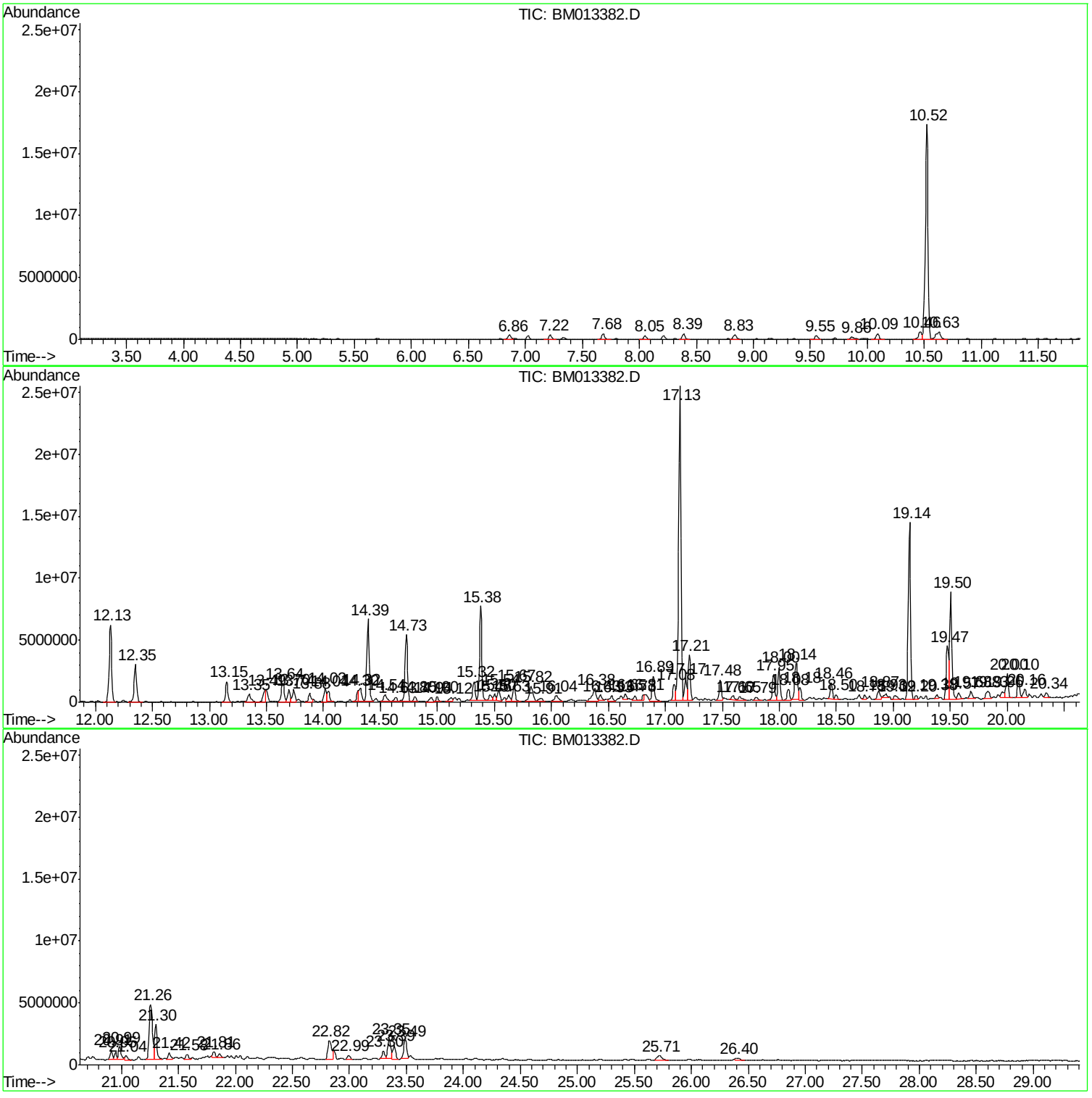
Sum of corrected areas: 277086251

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013382.D
Acq On : 13 Dec 2017 20:11
Operator : SJ/JU
Sample : I6758-13ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
F9B14ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013382.D
Acq On : 13 Dec 2017 20:11
Operator : SJ/JU
Sample : I6758-13ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

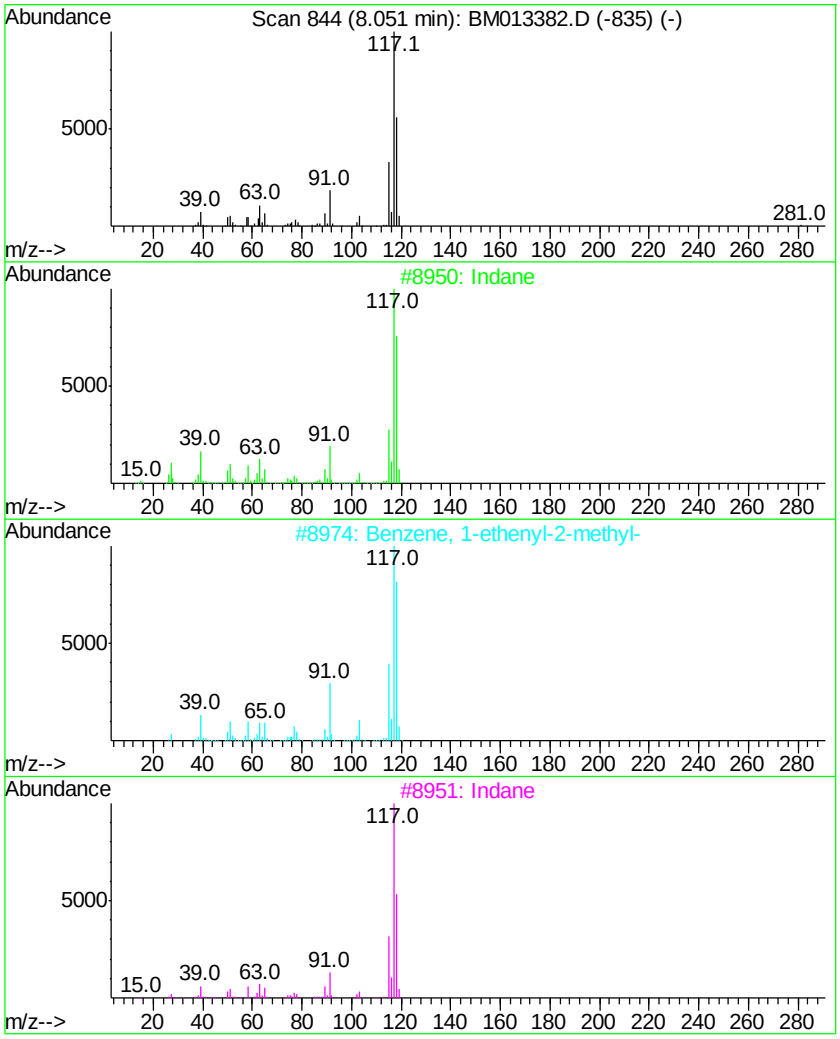
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

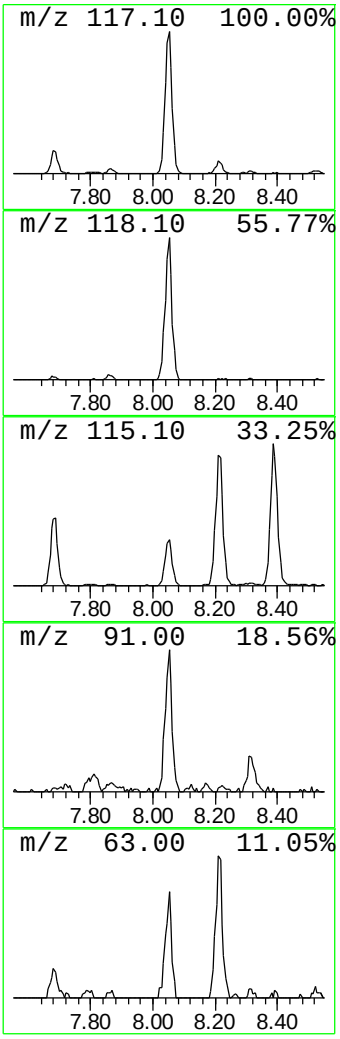
**********

Peak Number 1 Indane Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.05 | 12.12 ng/ul | 466213 | 1,4-Dichlorobenzene-d4 | 7.68 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 90 |
| 2 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 90 |
| 3 | Indane | 118 | C9H10 | 000496-11-7 | 87 |
| 4 | Indane | 118 | C9H10 | 000496-11-7 | 81 |
| 5 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 81 |



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013382.D
Acq On : 13 Dec 2017 20:11
Operator : SJ/JU
Sample : I6758-13ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9B14ME

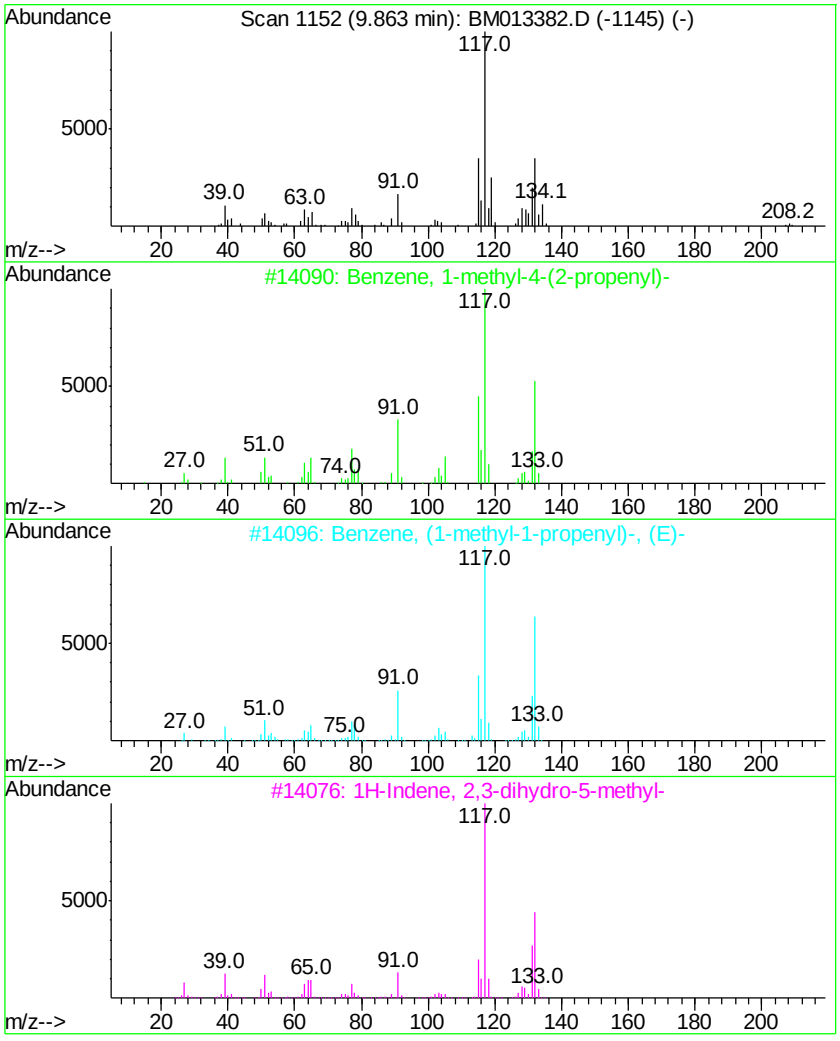
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

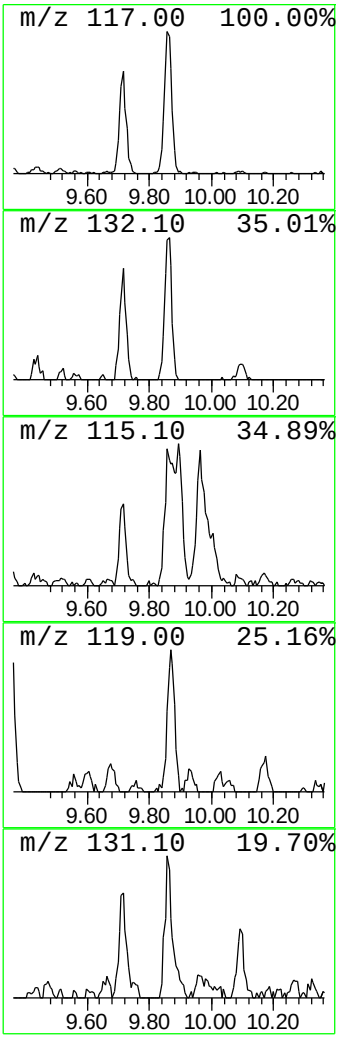
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Benzene, 1-methyl-4-(2-prop... Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.86 | 7.86 ng/ul | 471749 | Naphthalene-d8 | 10.46 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12 | 003333-13-9 | 76 |
| 2 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 76 |
| 3 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 74 |
| 4 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 72 |
| 5 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 70 |



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013382.D
Acq On : 13 Dec 2017 20:11
Operator : SJ/JU
Sample : I6758-13ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9B14ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

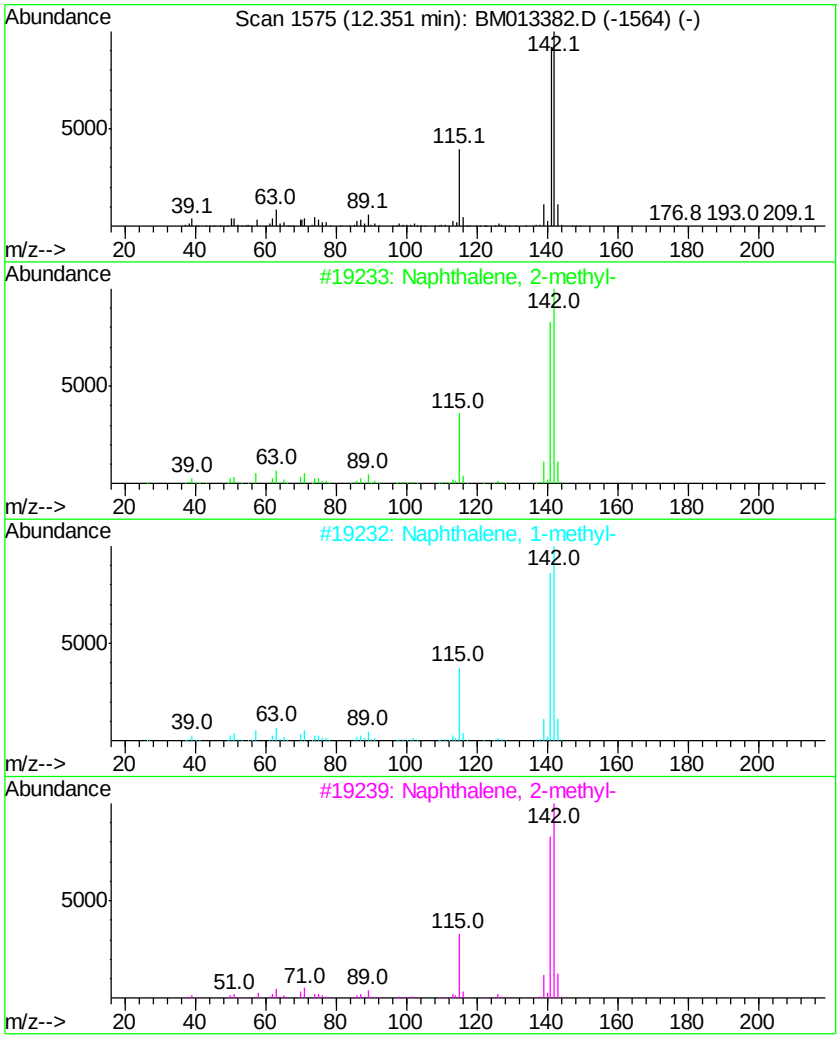
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

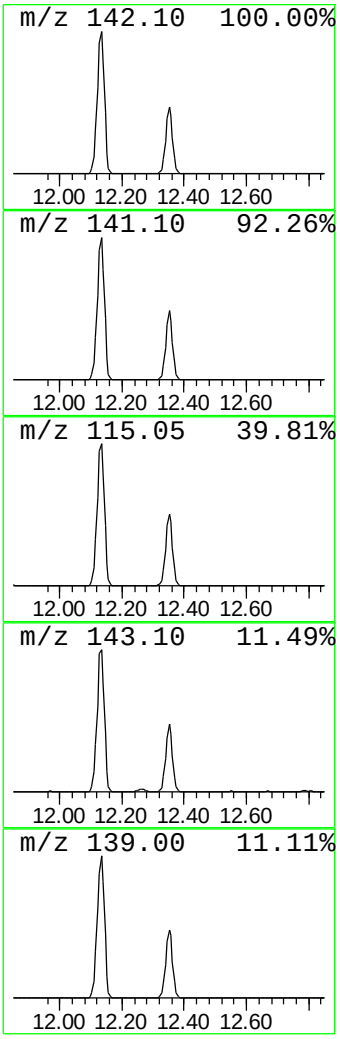
**********

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.35 | 79.14 ng/ul | 4749840 | Naphthalene-d8 | 10.46 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 2 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 96 |
| 3 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 95 |
| 4 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 94 |
| 5 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 93 |



# Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013382.D
Acq On : 13 Dec 2017 20:11
Operator : SJ/JU
Sample : I6758-13ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9B14ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

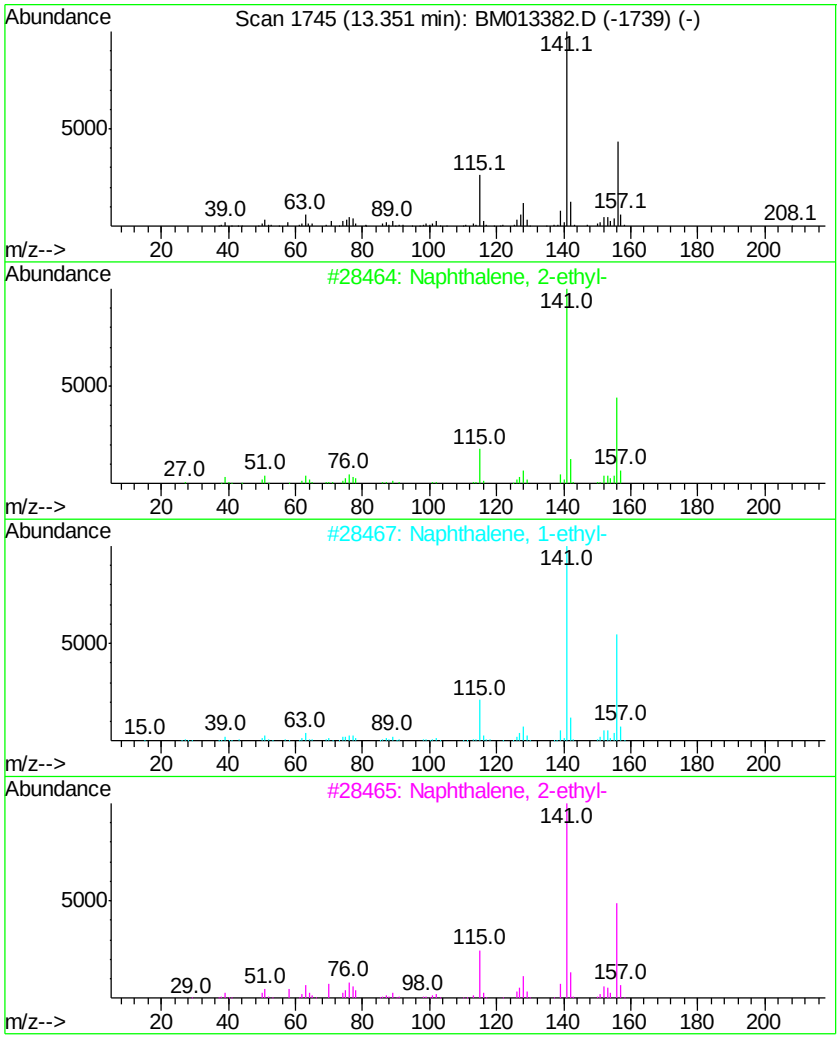
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

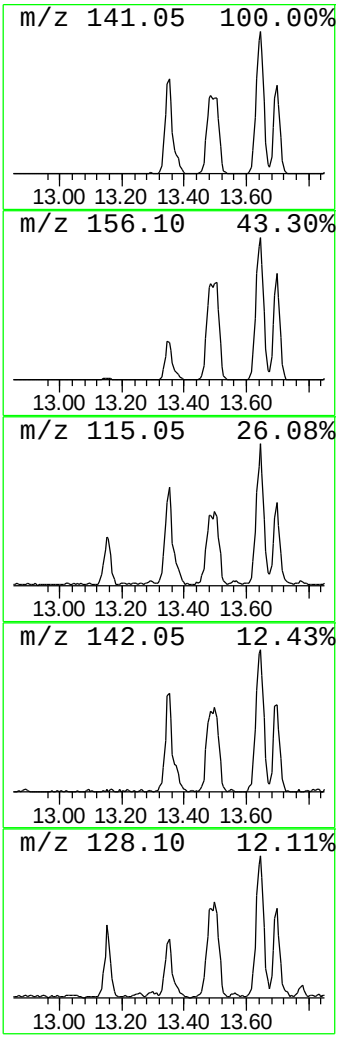
**********

Peak Number 4 Naphthalene, 2-ethyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.35 | 14.65 ng/ul | 1180110 | Acenaphthene-d10 | 14.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-ethyl- | 156 | C12H12 | 000939-27-5 | 95 |
| 2 | Naphthalene, 1-ethyl- | 156 | C12H12 | 001127-76-0 | 95 |
| 3 | Naphthalene, 2-ethyl- | 156 | C12H12 | 000939-27-5 | 94 |
| 4 | Naphthalene, 1-ethyl- | 156 | C12H12 | 001127-76-0 | 94 |
| 5 | Naphthalene, 2-ethyl- | 156 | C12H12 | 000939-27-5 | 94 |



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013382.D
Acq On : 13 Dec 2017 20:11
Operator : SJ/JU
Sample : I6758-13ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9B14ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

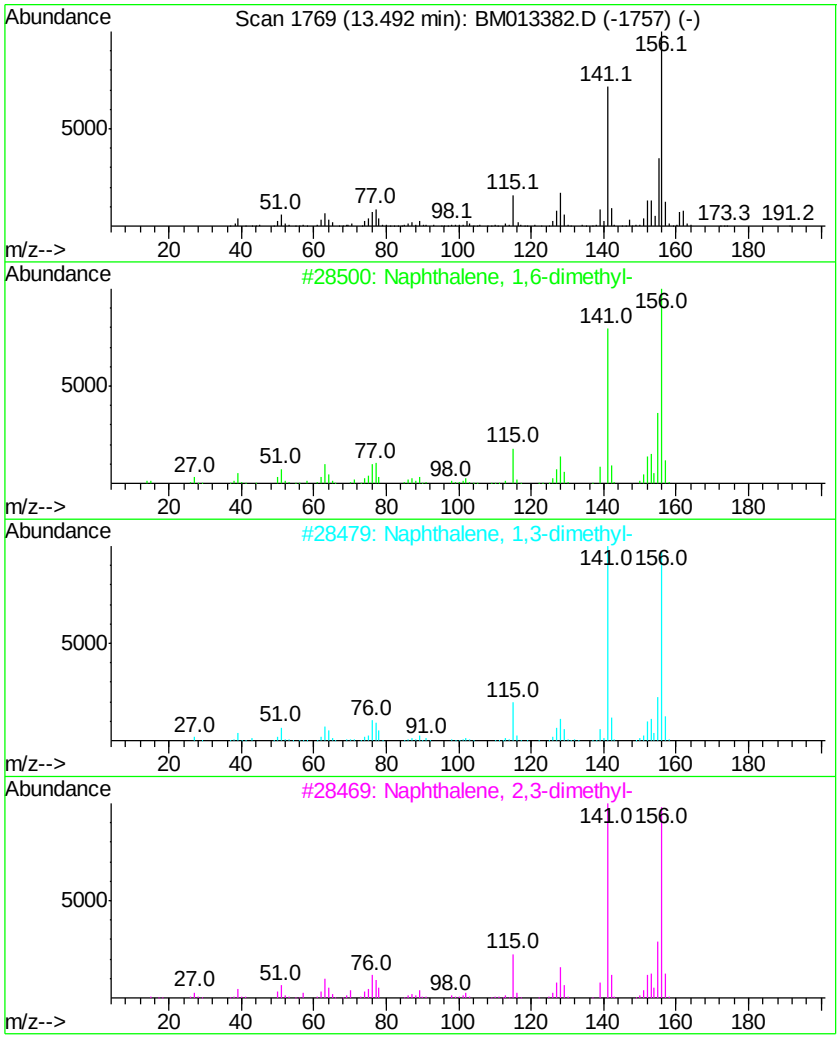
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

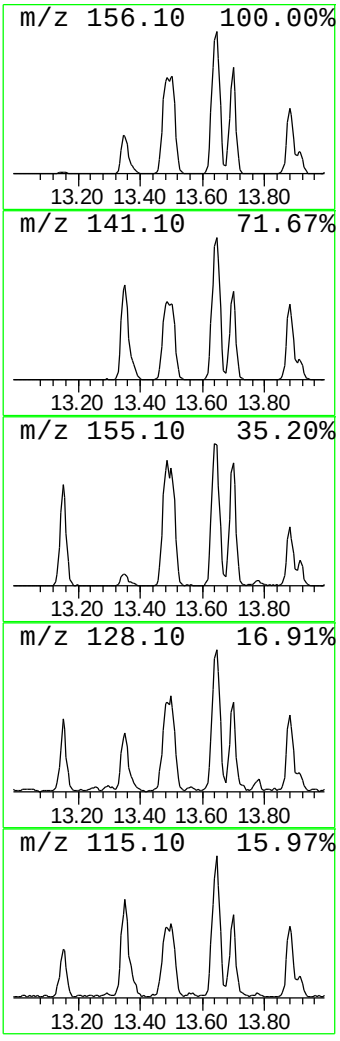
**********

Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.49 | 18.98 ng/ul | 1528650 | Acenaphthene-d10 | 14.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 96 |
| 2 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 96 |
| 3 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 96 |
| 4 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 96 |
| 5 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 96 |



Library Search Compound Report

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Data File : BM013382.D
Acq On : 13 Dec 2017 20:11
Operator : SJ/JU
Sample : I6758-13ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9B14ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

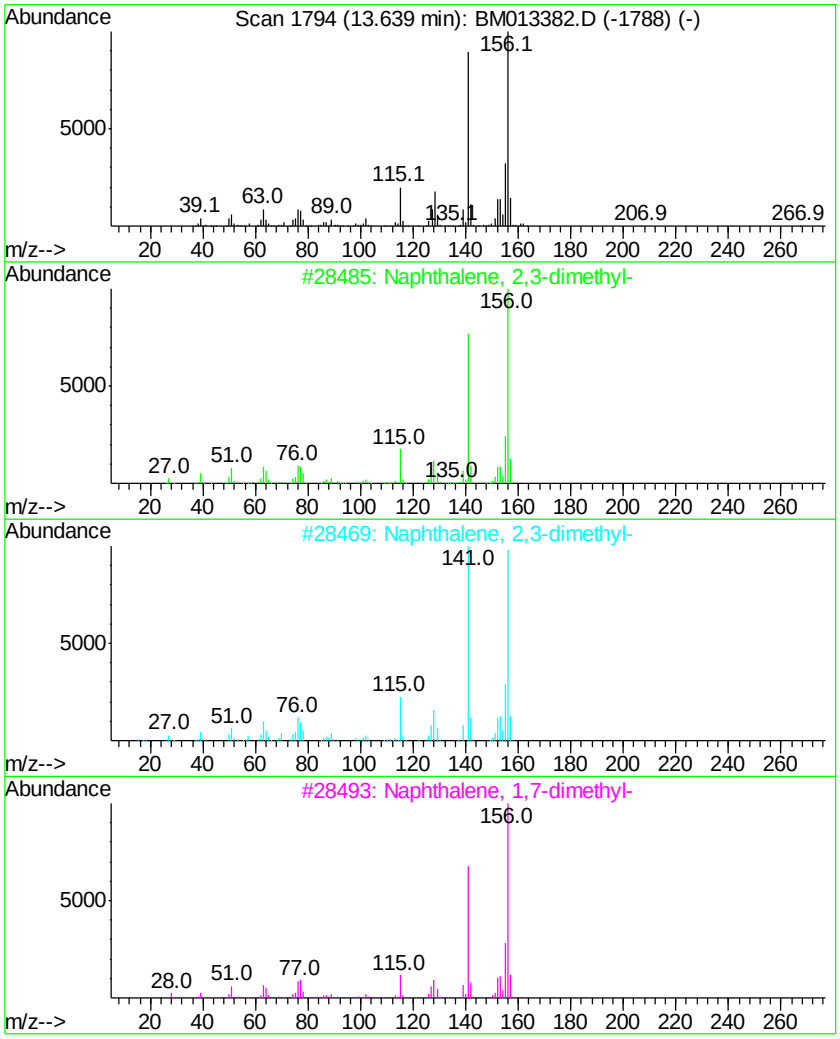
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

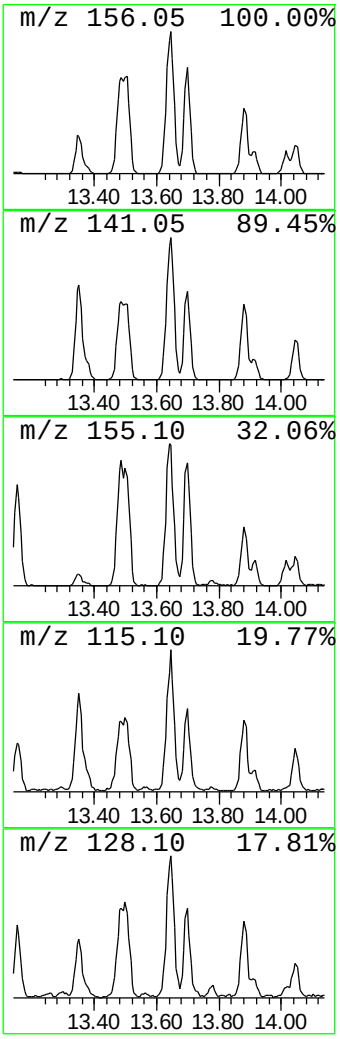
**********

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.64 | 32.89 ng/ul | 2648820 | Acenaphthene-d10 | 14.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 97 |
| 2 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 97 |
| 3 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 97 |
| 4 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 97 |
| 5 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 96 |



Library Search Compound Report

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Acq On : 13 Dec 2017 20:11
Operator : SJ/JU
Sample : I6758-13ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9B14ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

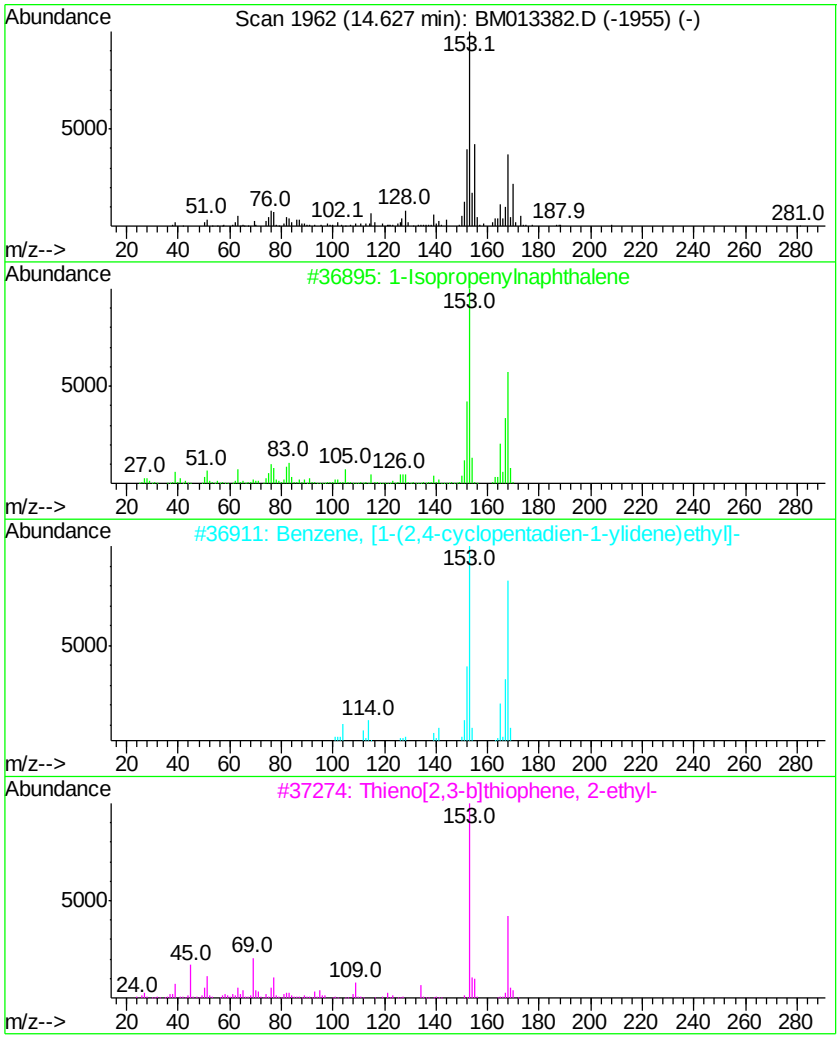
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

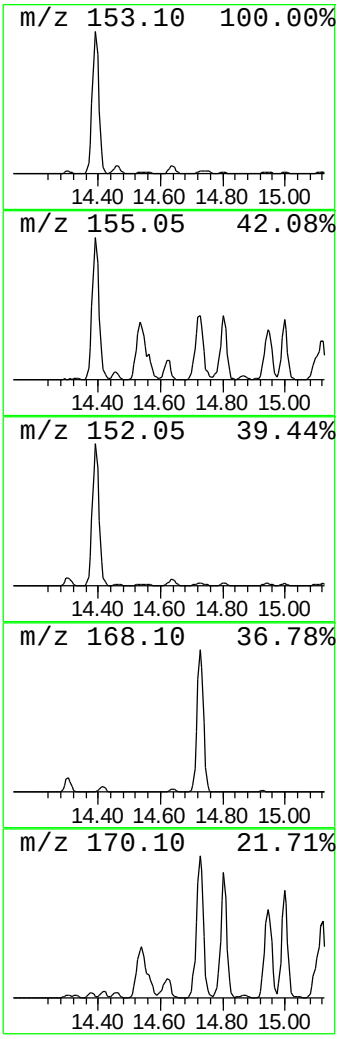
**********

Peak Number 8 1-Isopropenylnaphthalene Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.63 | 7.46 ng/ul | 600907 | Acenaphthene-d10 | 14.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Isopropenylnaphthalene | 168 | C13H12 | 001855-47-6 | 83 |
| 2 | Benzene, [1-(2,4-cyclopentadien-... | 168 | C13H12 | 002320-32-3 | 72 |
| 3 | Thieno[2,3-b]thiophene, 2-ethyl- | 168 | C8H8S2 | 005912-01-6 | 50 |
| 4 | Ethanone, 1-(2,4,6-trihydroxyphe... | 168 | C8H8O4 | 000480-66-0 | 47 |
| 5 | Acetophenone, 3'-fluoro-4'-methoxy- | 168 | C9H9FO2 | 000455-91-4 | 47 |



Library Search Compound Report

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Operator : SJ/JU
Sample : I6758-13ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9B14ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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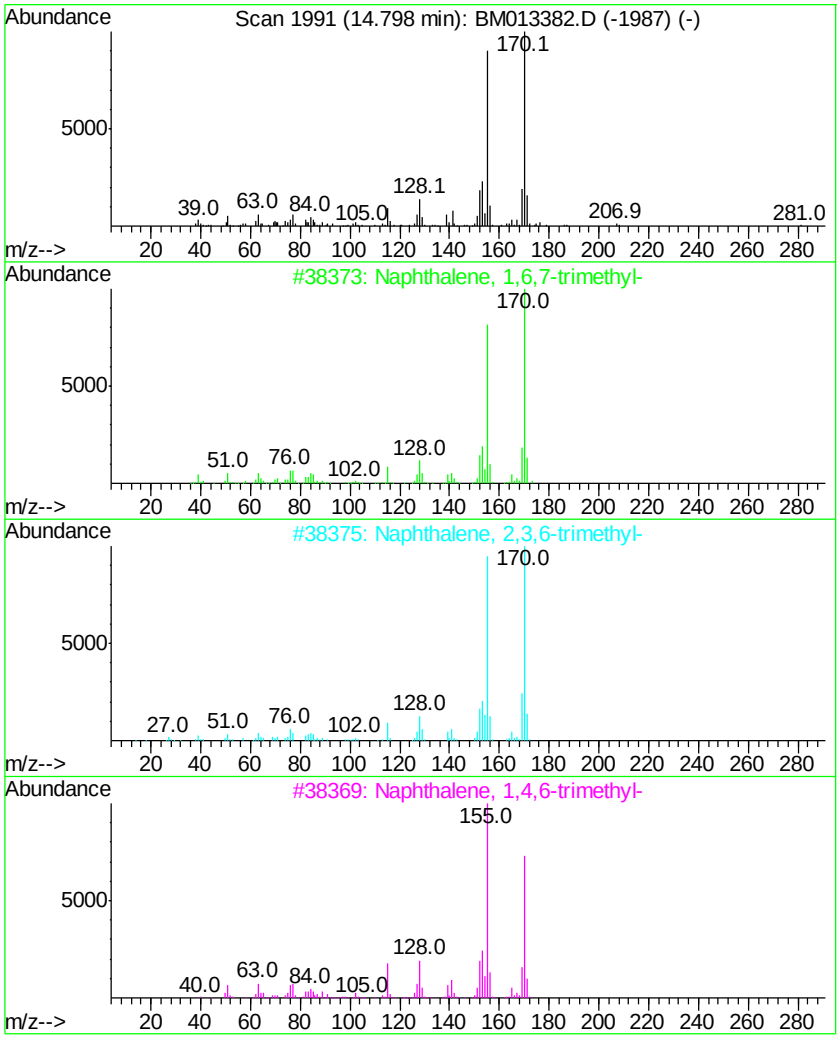
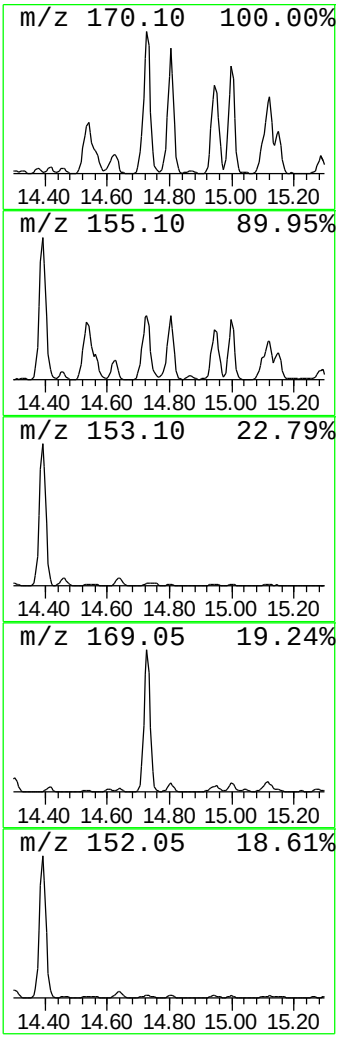
Peak Number 9 Naphthalene, 1,6,7-trimethyl- Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.80 | 7.08 ng/ul | 569843 | Acenaphthene-d10 | 14.32 |

| 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, 1,4,6-trimethyl- | 170 | C13H14 | 002131-42-2 | 97 |
| 4 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 97 |
| 5 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 97 |



# Library Search Compound Report

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Data File : BM013382.D
Acq On : 13 Dec 2017 20:11
Operator : SJ/JU
Sample : I6758-13ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9B14ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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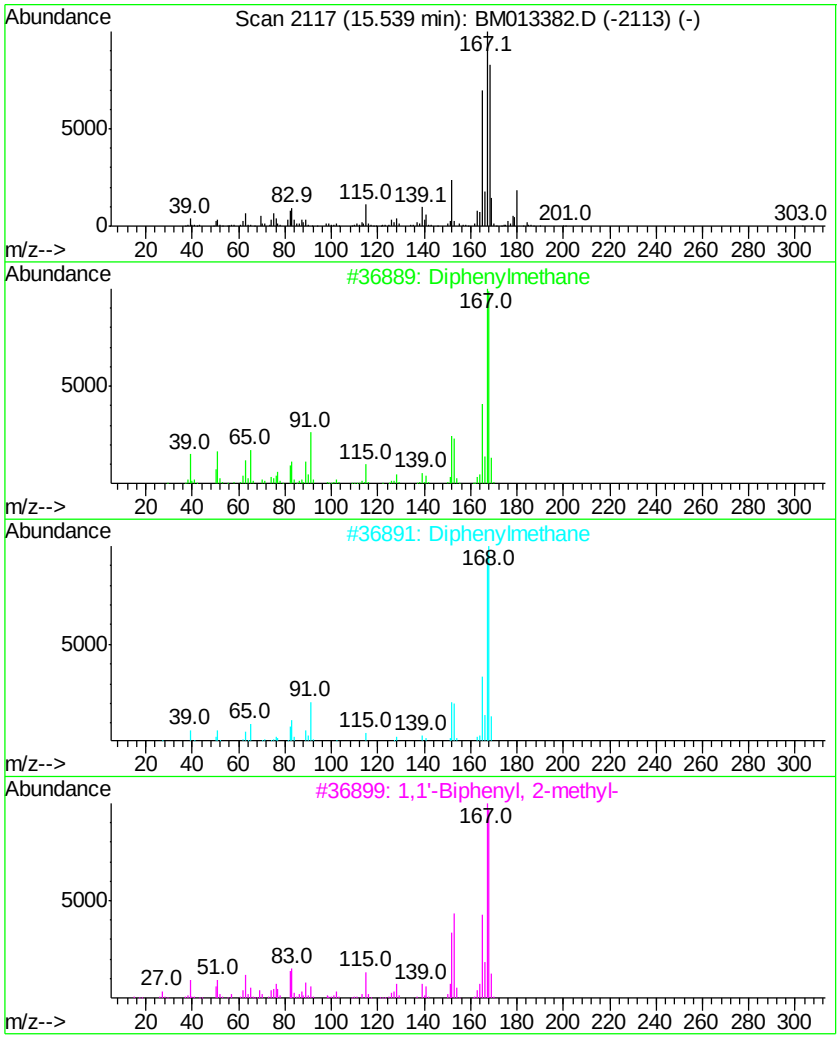
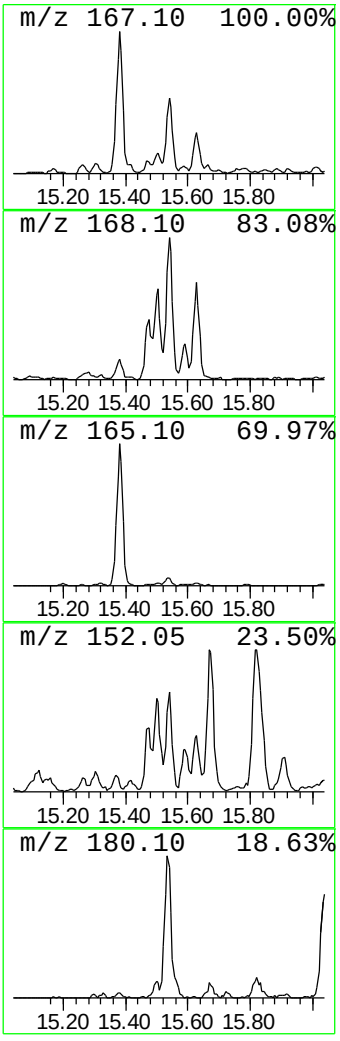
Peak Number 12 Diphenylmethane Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.54 | 17.43 ng/ul | 1404060 | Acenaphthene-d10 | 14.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Diphenylmethane | 168 | C13H12 | 000101-81-5 | 76 |
| 2 | Diphenylmethane | 168 | C13H12 | 000101-81-5 | 64 |
| 3 | 1,1'-Biphenyl, 2-methyl- | 168 | C13H12 | 000643-58-3 | 62 |
| 4 | 1,1'-Biphenyl, 4-methyl- | 168 | C13H12 | 000644-08-6 | 60 |
| 5 | Fluorene, 1,4-dihydro- | 168 | C13H12 | 041593-21-9 | 59 |



# Library Search Compound Report

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Acq On : 13 Dec 2017 20:11
Operator : SJ/JU
Sample : I6758-13ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9B14ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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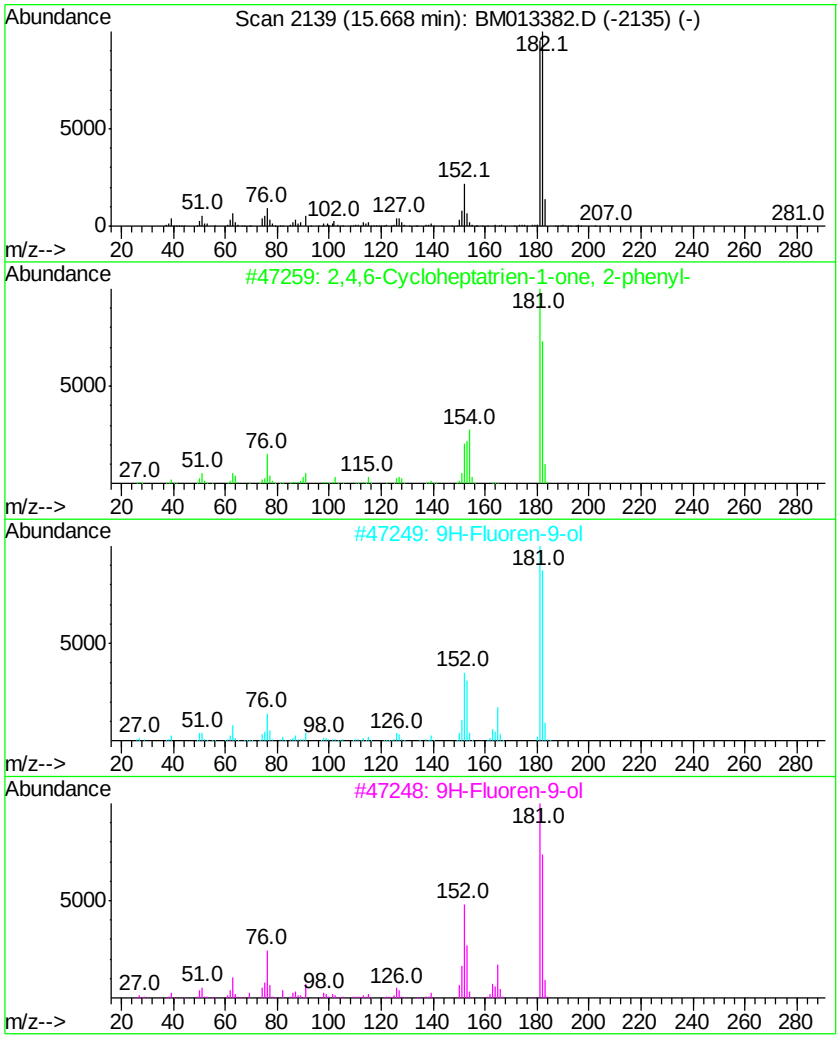
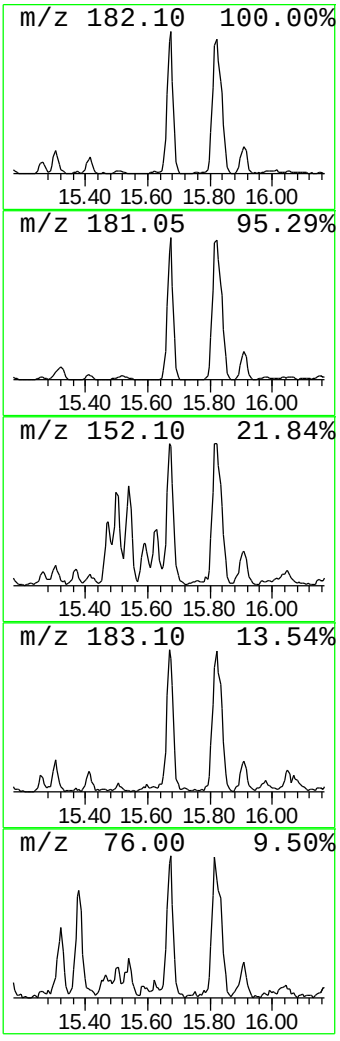
Peak Number 14 2,4,6-Cycloheptatrien-1-one... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.67 | 23.94 ng/ul | 1927840 | Acenaphthene-d10 | 14.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4,6-Cycloheptatrien-1-one, 2-p... | 182 | C13H10O | 014562-09-5 | 86 |
| 2 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 80 |
| 3 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 78 |
| 4 | 3-(2-Naphthyl)acrylaldehyde | 182 | C13H10O | 020884-05-3 | 72 |
| 5 | Dibenzofuran, 4-methyl- | 182 | C13H10O | 007320-53-8 | 70 |



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Data File : BM013382.D
Acq On : 13 Dec 2017 20:11
Operator : SJ/JU
Sample : I6758-13ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9B14ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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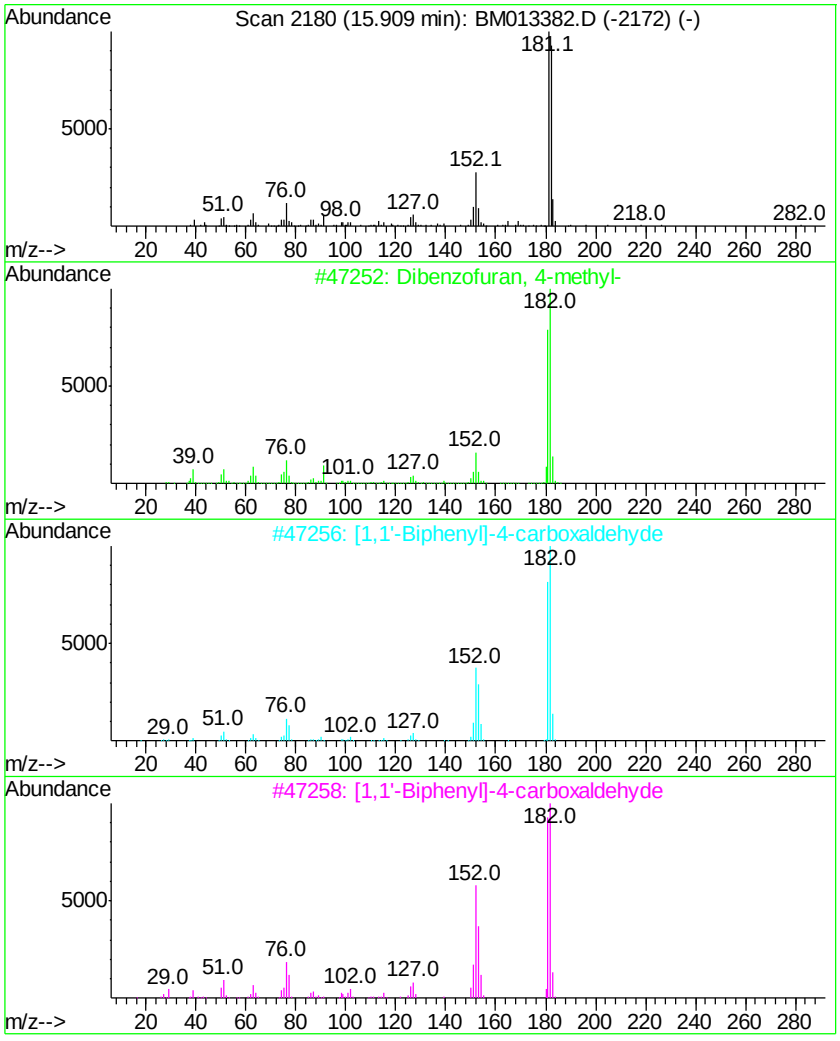
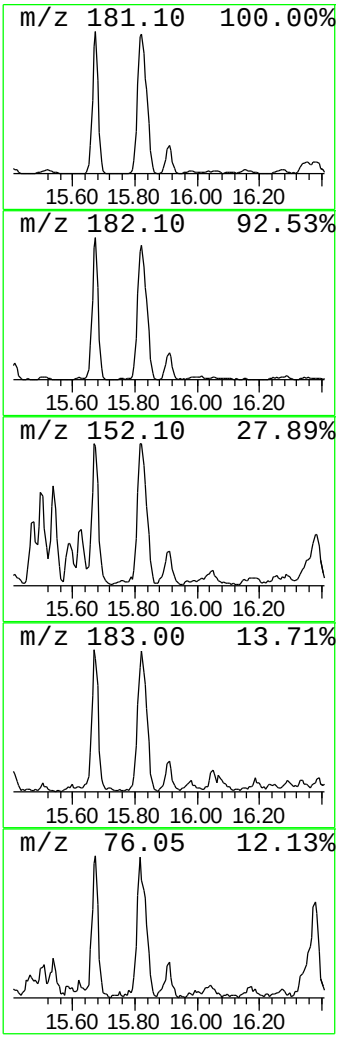
Peak Number 16 Dibenzofuran, 4-methyl- Concentration Rank 34

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.91 | 5.36 ng/ul | 557044 | Phenanthrene-d10 | 17.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzofuran, 4-methyl- | 182 | C13H10O | 007320-53-8 | 93 |
| 2 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 91 |
| 3 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 91 |
| 4 | 2,4,6-Cycloheptatrien-1-one, 2-p... | 182 | C13H10O | 014562-09-5 | 86 |
| 5 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 86 |



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Acq On : 13 Dec 2017 20:11
Operator : SJ/JU
Sample : I6758-13ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9B14ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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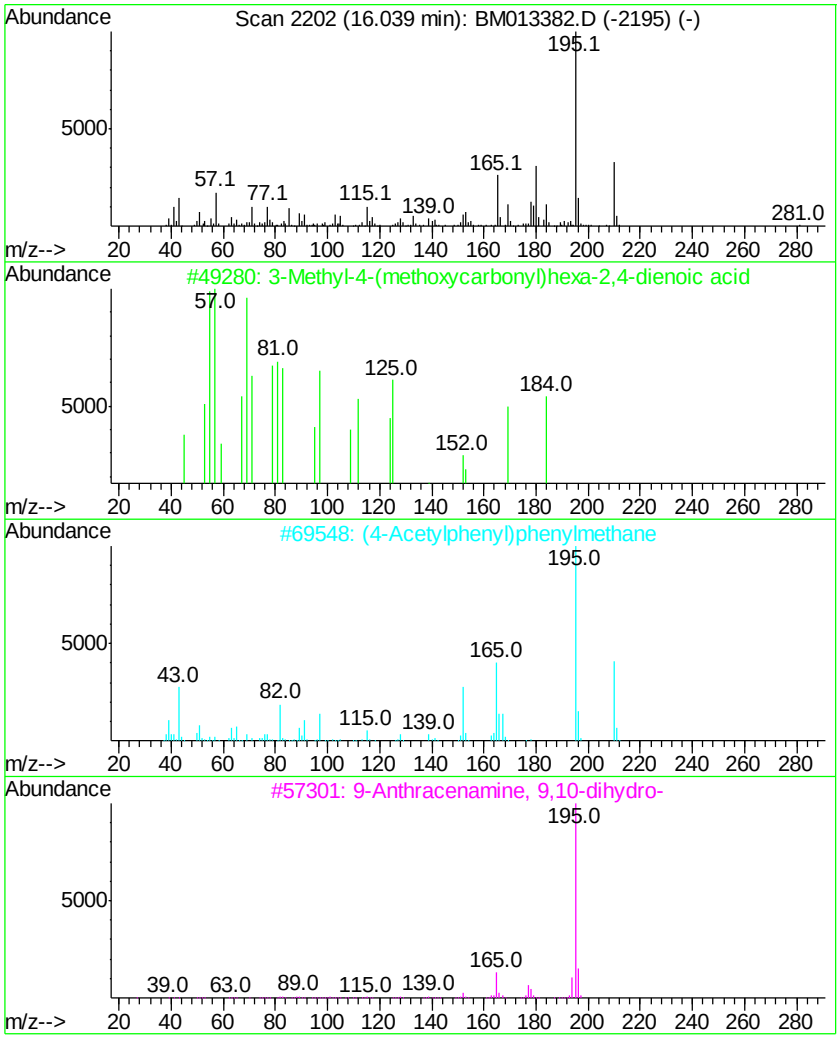
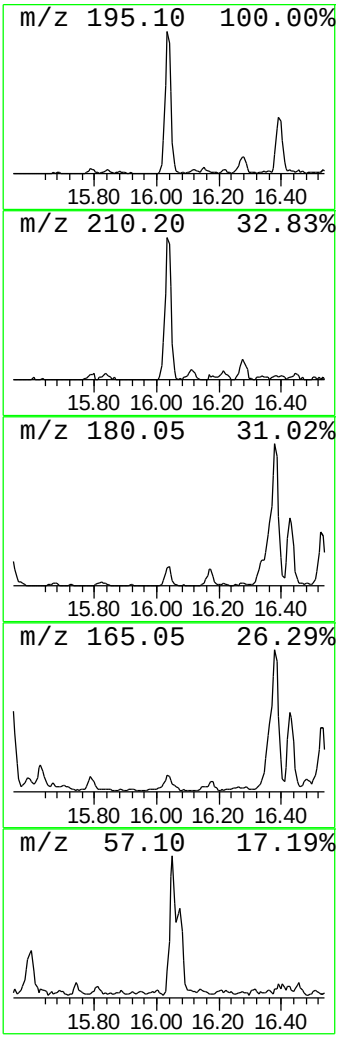
Peak Number 17 3-Methyl-4-(methoxycarbonyl... Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.04 | 11.12 ng/ul | 1154230 | Phenanthrene-d10 | 17.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Methyl-4-(methoxycarbonyl)hexa... | 184 | C9H12O4 | 1000104-10-8 | 53 |
| 2 | (4-Acetylphenyl)phenylmethane | 210 | C15H14O | 000782-92-3 | 43 |
| 3 | 9-Anthracenamine, 9,10-dihydro- | 195 | C14H13N | 097825-91-7 | 43 |
| 4 | 1-(4-Ethylpiperazin-1-yl)-2,2,2-... | 210 | C8H13F3N2O | 1000373-19-2 | 38 |
| 5 | 3-Methyl-2-azafluorenone | 195 | C13H9NO | 018631-14-6 | 38 |



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Acq On : 13 Dec 2017 20:11
Operator : SJ/JU
Sample : I6758-13ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9B14ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

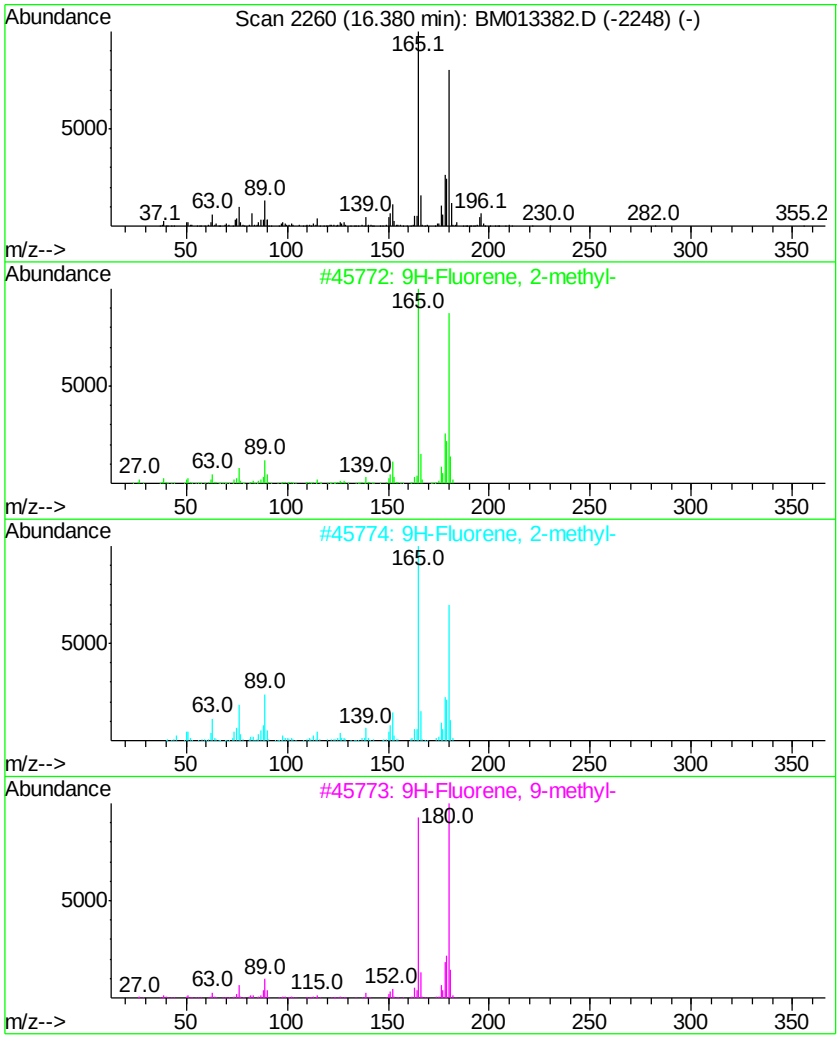
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

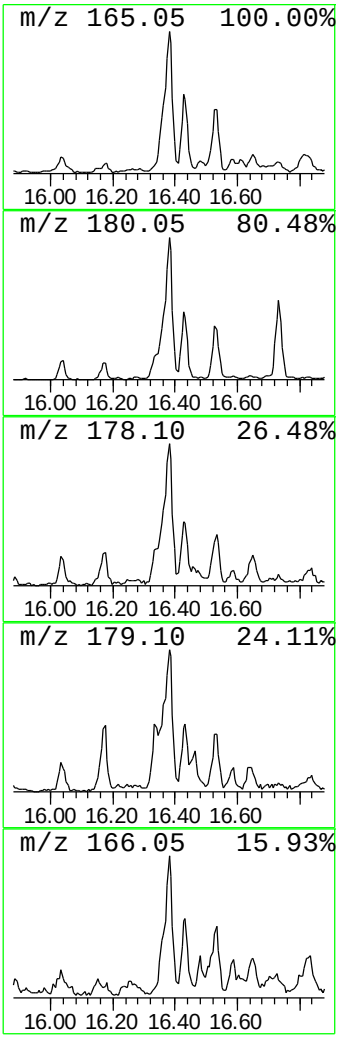
**********

Peak Number 18 9H-Fluorene, 2-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.38 | 21.70 ng/ul | 2253800 | Phenanthrene-d10 | 17.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 97 |
| 2 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 96 |
| 3 | 9H-Fluorene, 9-methyl- | 180 | C14H12 | 002523-37-7 | 94 |
| 4 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 93 |
| 5 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 93 |



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Acq On : 13 Dec 2017 20:11
Operator : SJ/JU
Sample : I6758-13ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9B14ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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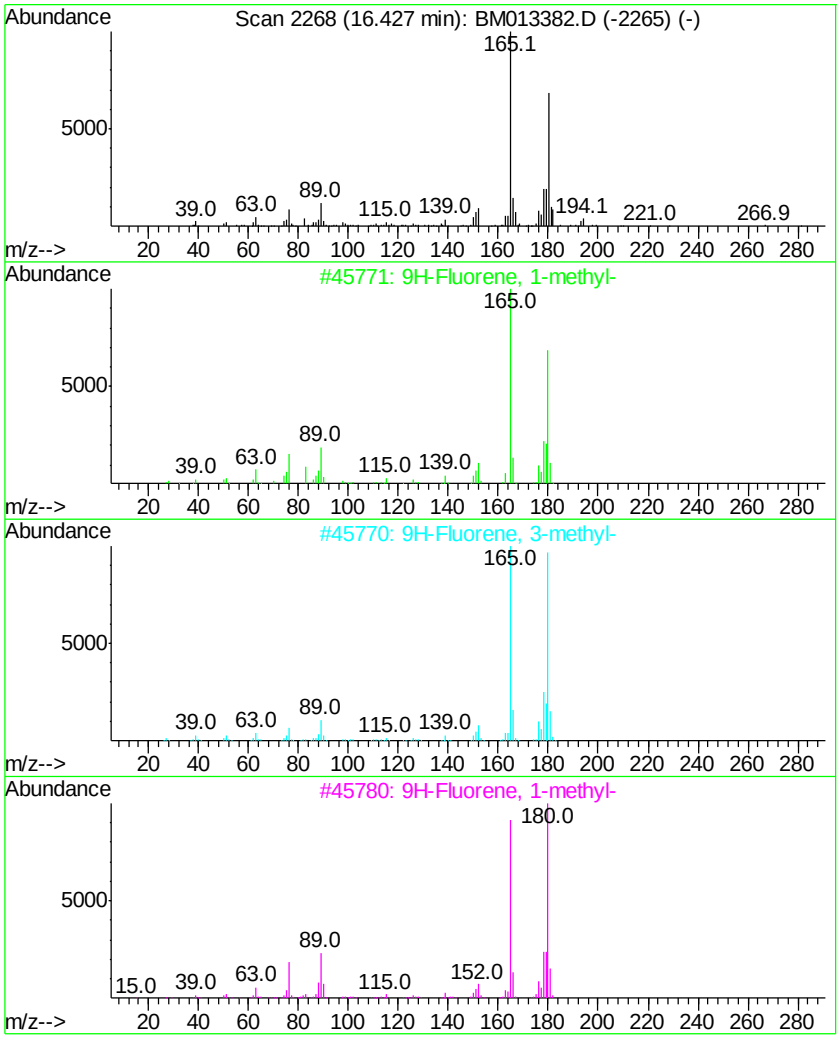
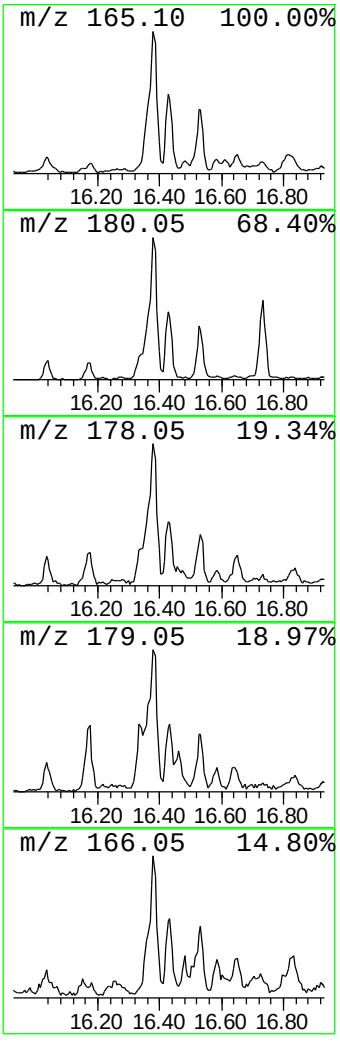
Peak Number 19 9H-Fluorene, 1-methyl- Concentration Rank 33

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.43 | 5.86 ng/ul | 609016 | Phenanthrene-d10 | 17.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 95 |
| 2 | 9H-Fluorene, 3-methyl- | 180 | C14H12 | 002523-39-9 | 91 |
| 3 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 91 |
| 4 | 9H-Fluorene, 9-methyl- | 180 | C14H12 | 002523-37-7 | 87 |
| 5 | 9H-Fluorene, 9-methyl- | 180 | C14H12 | 002523-37-7 | 87 |



Library Search Compound Report

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Data File : BM013382.D
Acq On : 13 Dec 2017 20:11
Operator : SJ/JU
Sample : I6758-13ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9B14ME

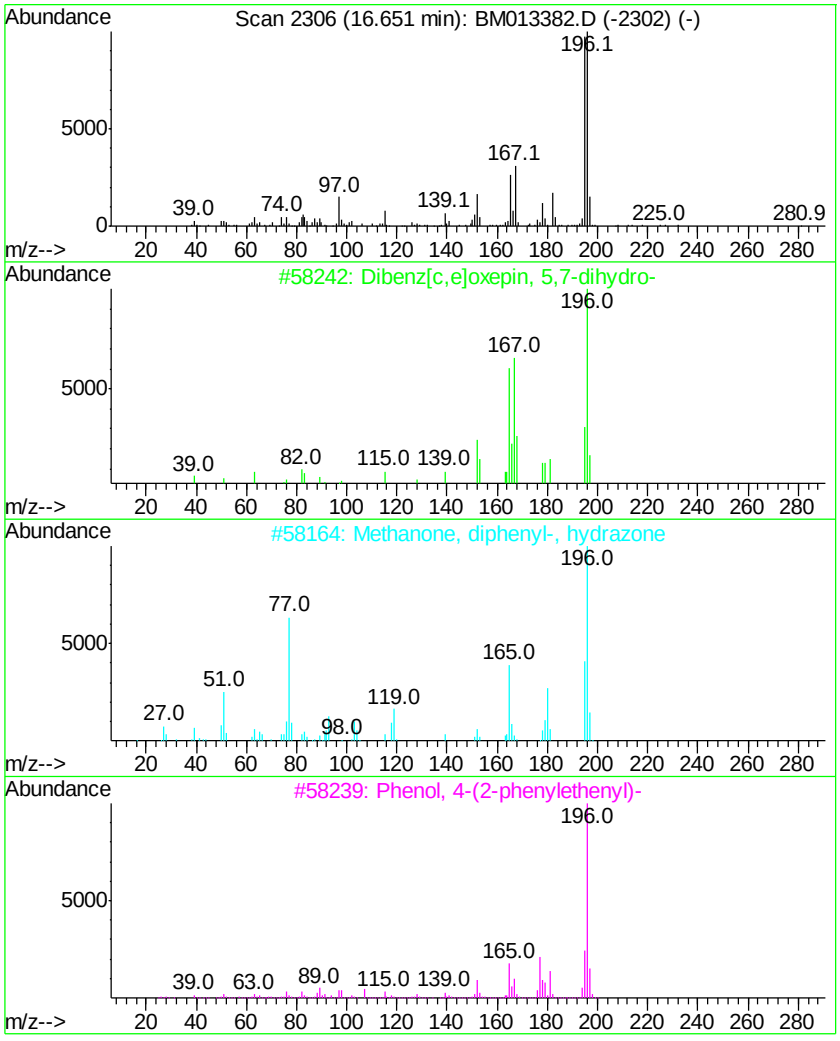
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

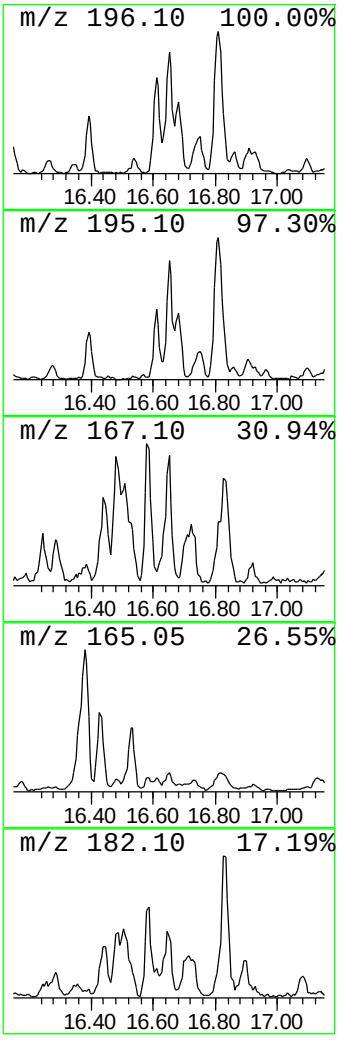
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 21 Dibenz[c,e]oxepin, 5,7-dihy... Concentration Rank 40

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.65 | 4.57 ng/ul | 474127 | Phenanthrene-d10 | 17.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenz[c,e]oxepin, 5,7-dihydro- | 196 | C14H12O | 001136-22-7 | 58 |
| 2 | Methanone, diphenyl-, hydrazone | 196 | C13H12N2 | 005350-57-2 | 47 |
| 3 | Phenol, 4-(2-phenylethenyl)- | 196 | C14H12O | 003839-46-1 | 46 |
| 4 | Naphtho[2,1-b]furan, 1,2-dimethyl- | 196 | C14H12O | 129812-23-3 | 46 |
| 5 | Methanone, diphenyl-, hydrazone | 196 | C13H12N2 | 005350-57-2 | 43 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013382.D
Acq On : 13 Dec 2017 20:11
Operator : SJ/JU
Sample : I6758-13ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9B14ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

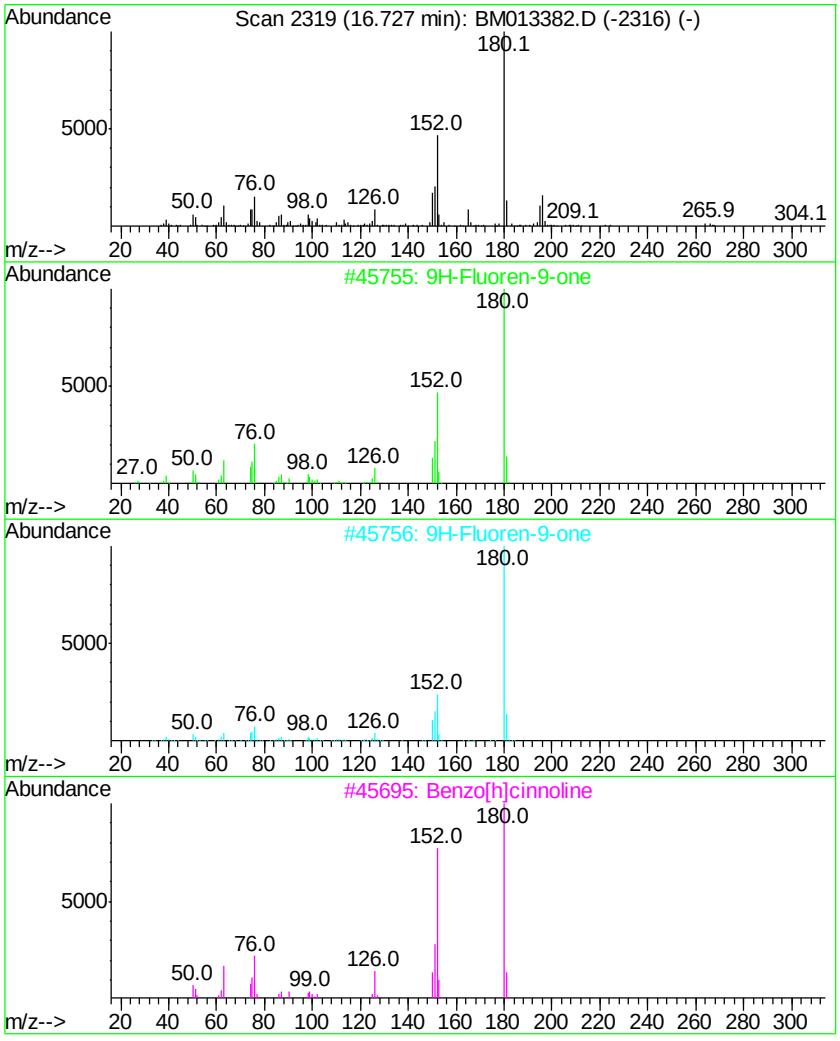
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

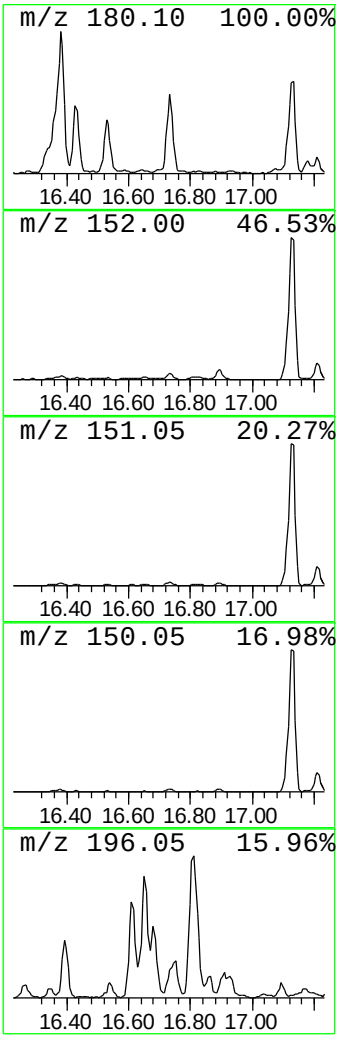
**********

Peak Number 22 9H-Fluoren-9-one Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.73 | 6.42 ng/ul | 666160 | Phenanthrene-d10 | 17.08 |

| 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 | 92 |
| 3 | Benzo[h]cinnoline | 180 | C12H8N2 | 000230-31-9 | 81 |
| 4 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 70 |
| 5 | 6H-Purine-6-thione, 9-ethyl-1,9-... | 180 | C7H8N4S | 005427-20-3 | 53 |



Library Search Compound Report

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Data File : BM013382.D
Acq On : 13 Dec 2017 20:11
Operator : SJ/JU
Sample : I6758-13ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9B14ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

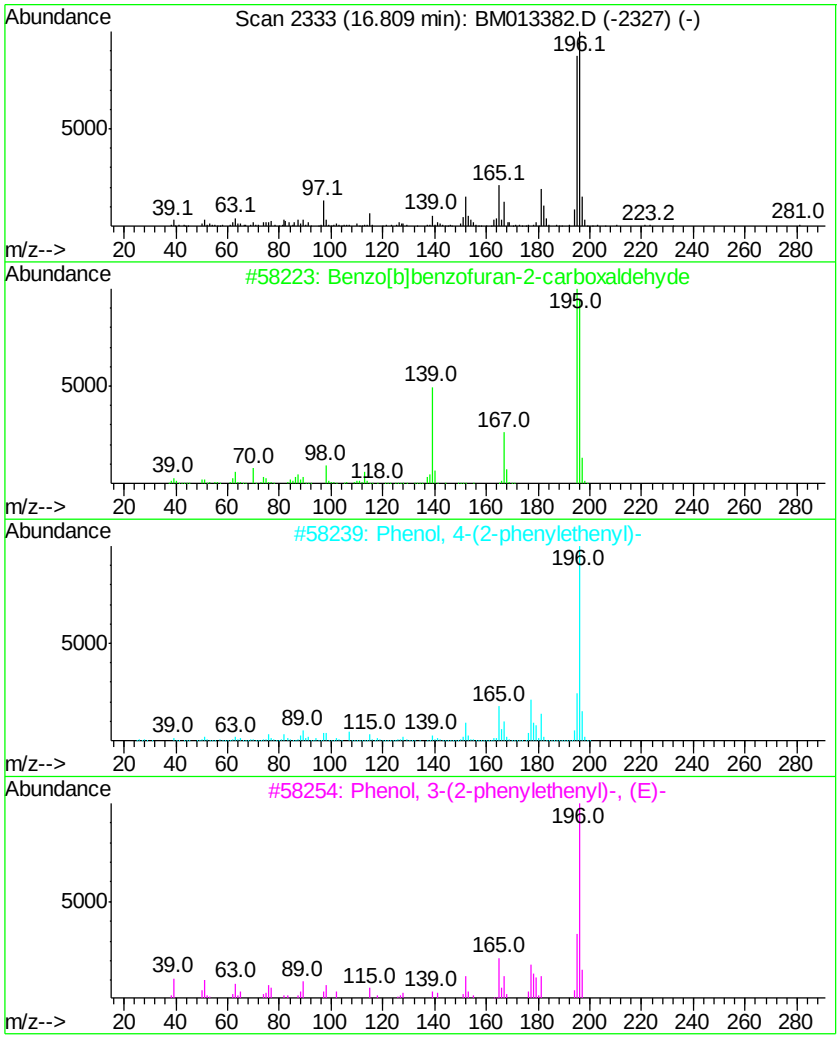
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

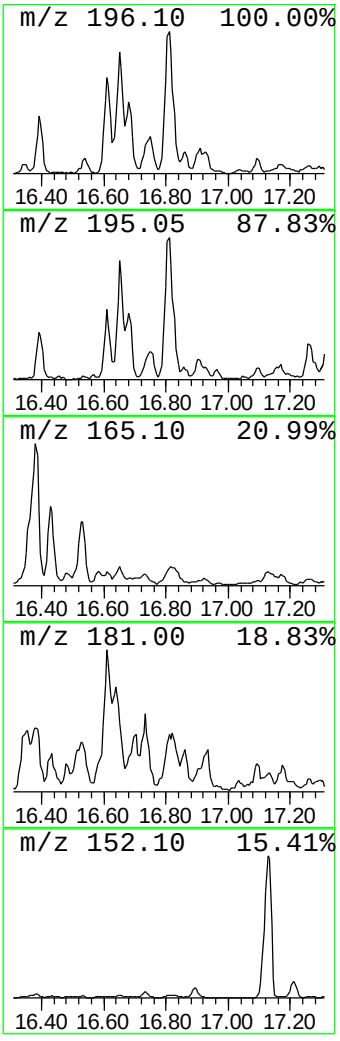
**********

Peak Number 23 Benzo[b]benzofuran-2-carbox... Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.81 | 6.52 ng/ul | 677206 | Phenanthrene-d10 | 17.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]benzofuran-2-carboxaldehyde | 196 | C13H8O2 | 1000351-56-0 | 62 |
| 2 | Phenol, 4-(2-phenylethenyl)- | 196 | C14H12O | 003839-46-1 | 62 |
| 3 | Phenol, 3-(2-phenylethenyl)-, (E)- | 196 | C14H12O | 017861-18-6 | 58 |
| 4 | 2,4,6-Trimethoxybenzaldehyde | 196 | C10H12O4 | 000830-79-5 | 53 |
| 5 | Phenol, 4-(2-phenylethenyl)-, (E)- | 196 | C14H12O | 006554-98-9 | 50 |



Library Search Compound Report

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Data File : BM013382.D
Acq On : 13 Dec 2017 20:11
Operator : SJ/JU
Sample : I6758-13ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9B14ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

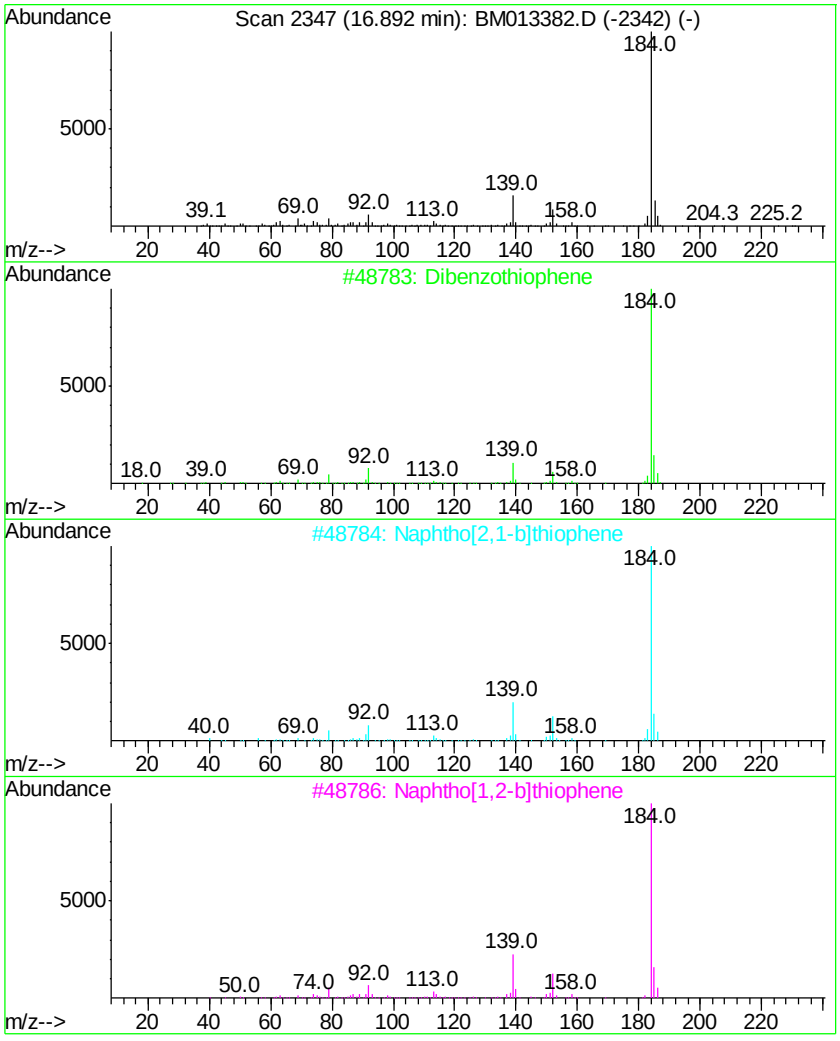
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

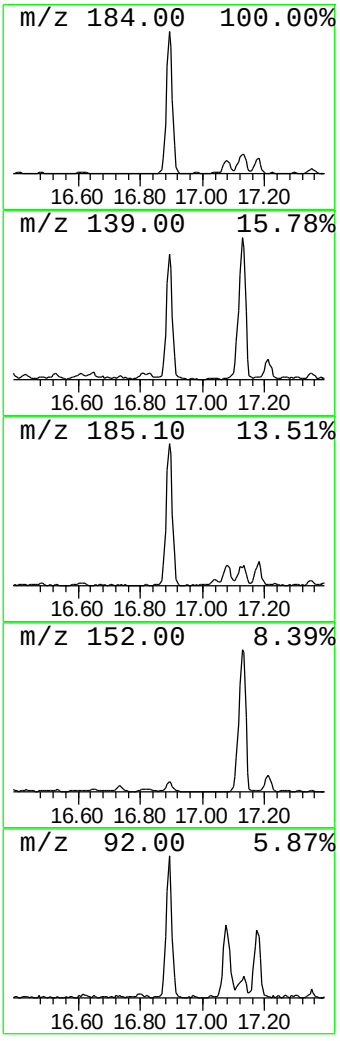
**********

Peak Number 24 Dibenzothiophene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.89 | 28.45 ng/ul | 2954630 | Phenanthrene-d10 | 17.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 95 |
| 2 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 95 |
| 3 | Naphtho[1,2-b]thiophene | 184 | C12H8S | 000234-41-3 | 95 |
| 4 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 94 |
| 5 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 91 |



# Library Search Compound Report

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Data File : BM013382.D
Acq On : 13 Dec 2017 20:11
Operator : SJ/JU
Sample : I6758-13ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9B14ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

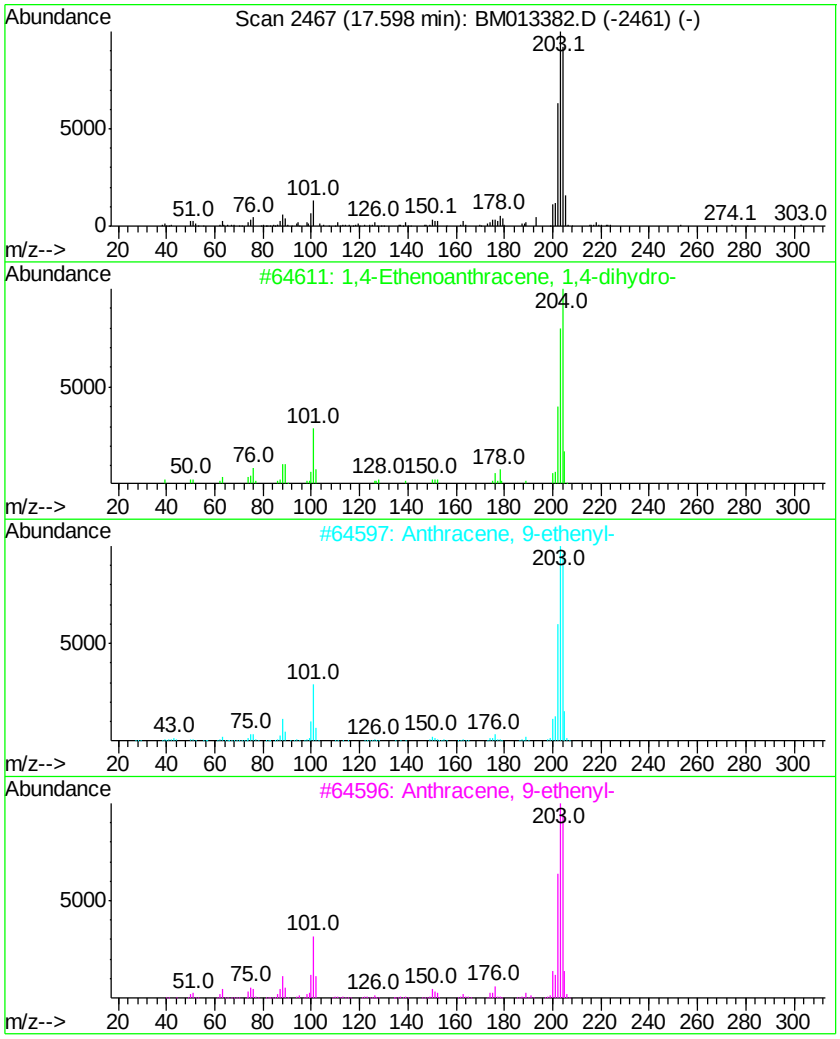
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

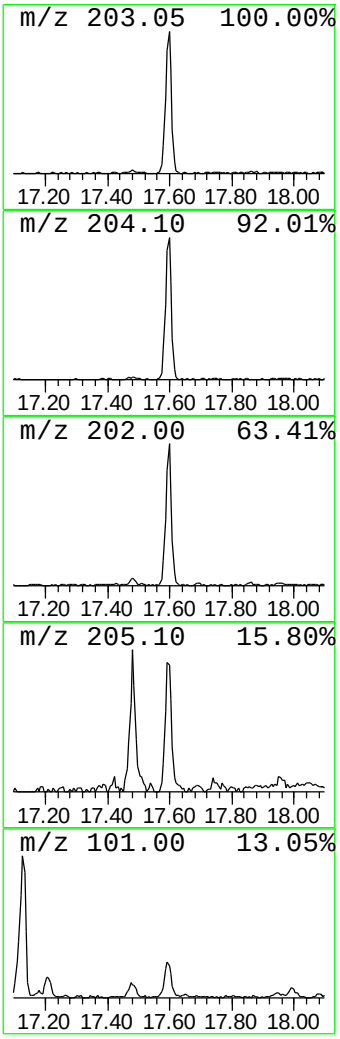
**********

Peak Number 25 1,4-Ethenoanthracene, 1,4-d... Concentration Rank 36

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.60 | 5.22 ng/ul | 542144 | Phenanthrene-d10 | 17.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,4-Ethenoanthracene, 1,4-dihydro- | 204 | C16H12 | 027765-96-4 | 81 |
| 2 | Anthracene, 9-ethenyl- | 204 | C16H12 | 002444-68-0 | 76 |
| 3 | Anthracene, 9-ethenyl- | 204 | C16H12 | 002444-68-0 | 76 |
| 4 | 1H-Indene, 1-(phenylmethylene)- | 204 | C16H12 | 005394-86-5 | 76 |
| 5 | Naphthalene, 1-phenyl- | 204 | C16H12 | 000605-02-7 | 76 |



# Library Search Compound Report

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Data File : BM013382.D
Acq On : 13 Dec 2017 20:11
Operator : SJ/JU
Sample : I6758-13ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9B14ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

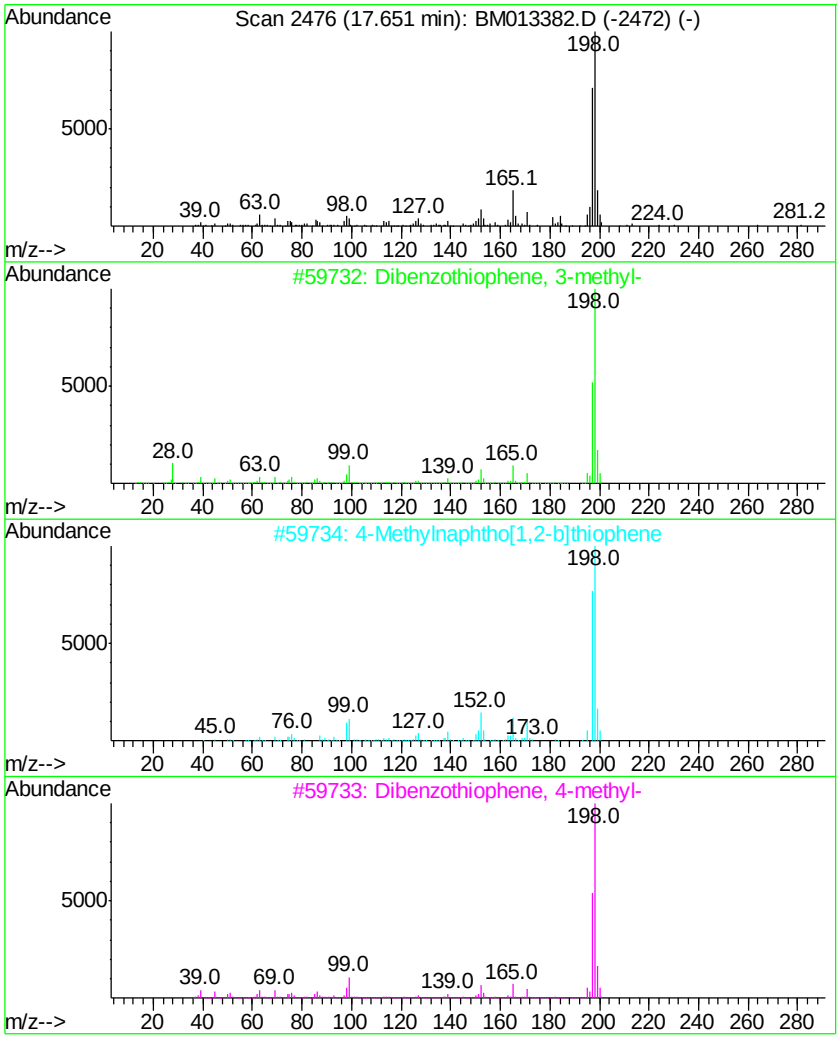
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

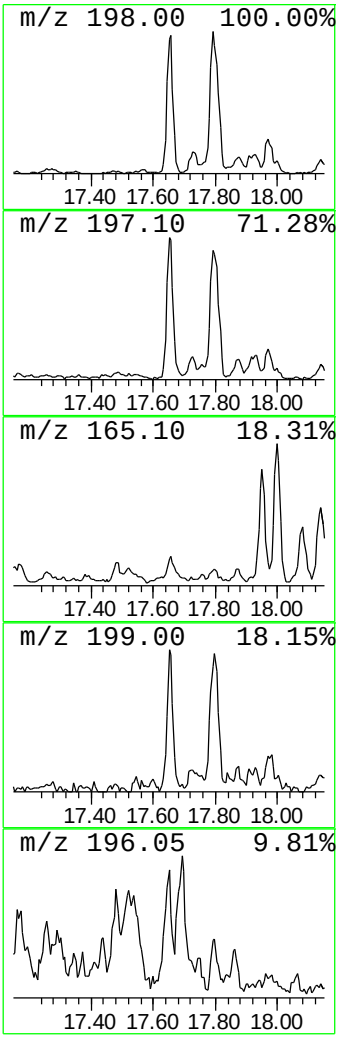
**********

Peak Number 26 Dibenzothiophene, 3-methyl- Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.65 | 6.86 ng/ul | 712246 | Phenanthrene-d10 | 17.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene, 3-methyl- | 198 | C13H10S | 016587-52-3 | 91 |
| 2 | 4-Methylnaphtho[1,2-b]thiophene | 198 | C13H10S | 067388-11-8 | 91 |
| 3 | Dibenzothiophene, 4-methyl- | 198 | C13H10S | 007372-88-5 | 87 |
| 4 | 1-Methyldibenzothiophene | 198 | C13H10S | 031317-07-4 | 80 |
| 5 | Thioxanthene | 198 | C13H10S | 000261-31-4 | 64 |



Library Search Compound Report

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Data File : BM013382.D
Acq On : 13 Dec 2017 20:11
Operator : SJ/JU
Sample : I6758-13ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9B14ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

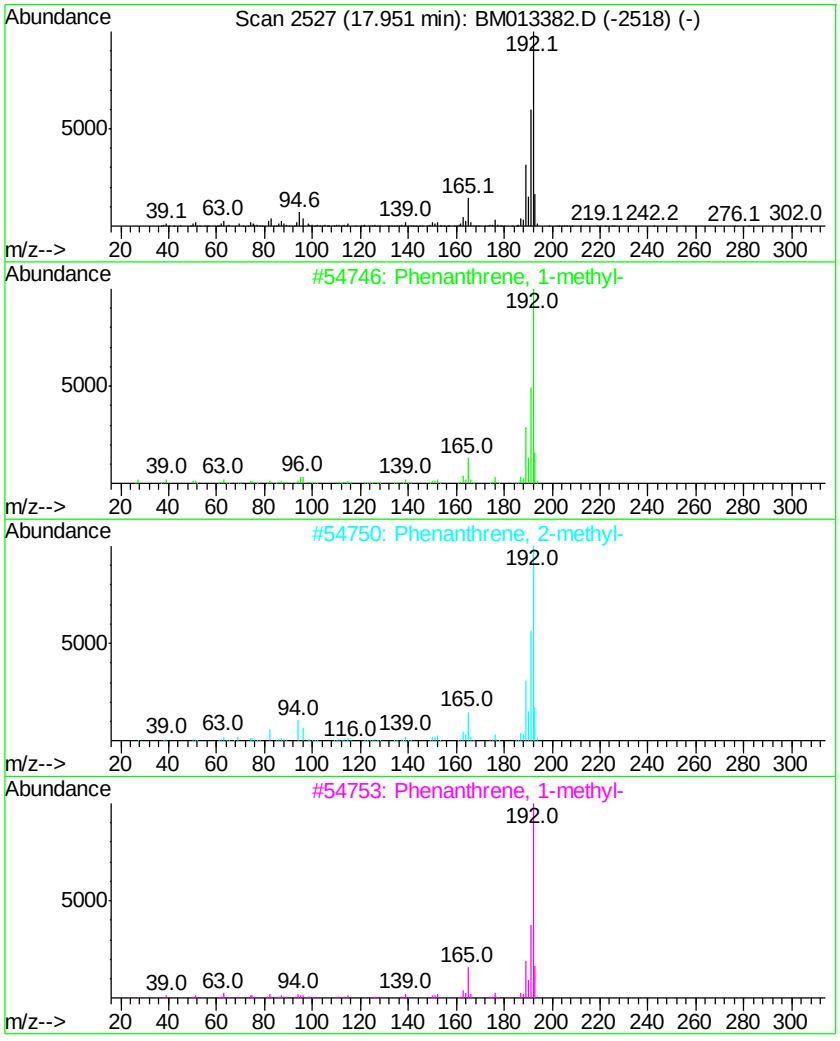
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

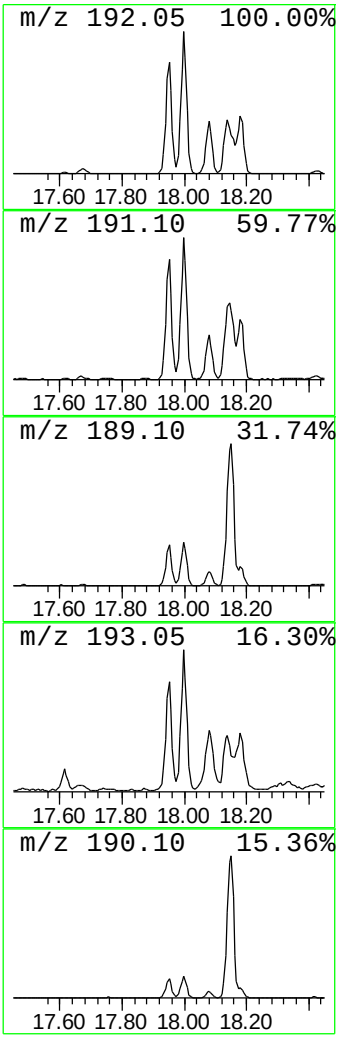
**********

Peak Number 28 Phenanthrene, 1-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.95 | 29.43 ng/ul | 3055940 | Phenanthrene-d10 | 17.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 97 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 95 |
| 4 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 95 |
| 5 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013382.D
Acq On : 13 Dec 2017 20:11
Operator : SJ/JU
Sample : I6758-13ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9B14ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

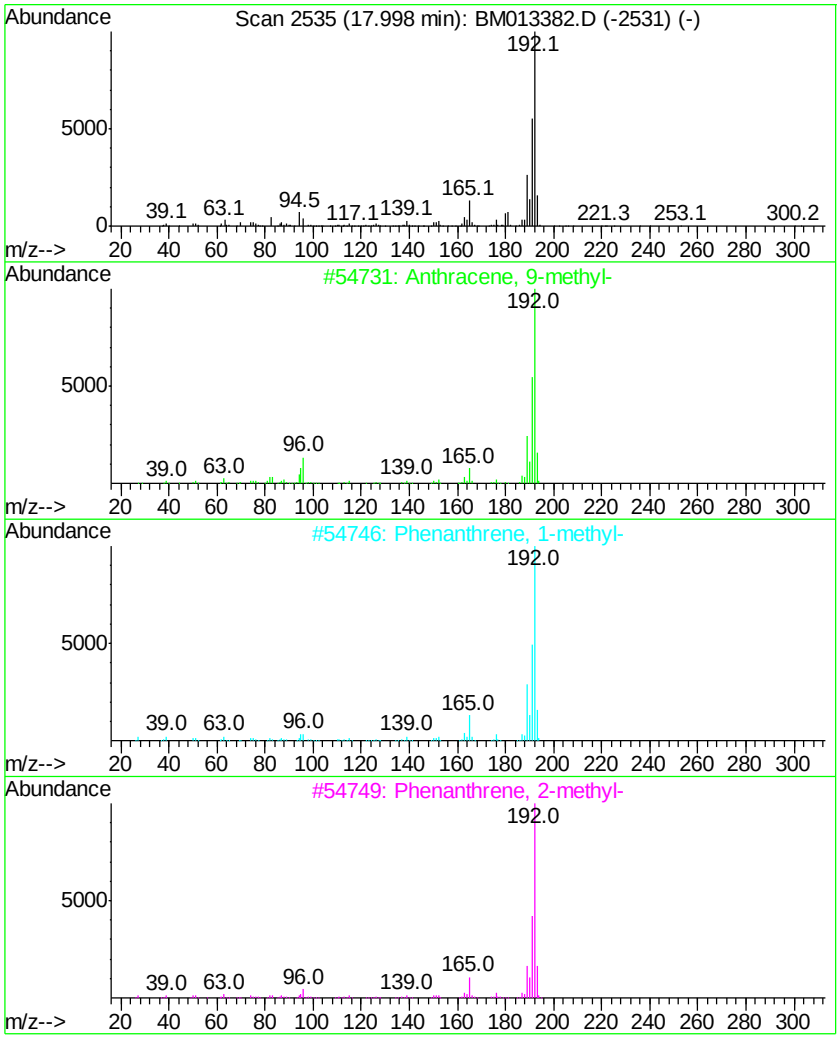
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

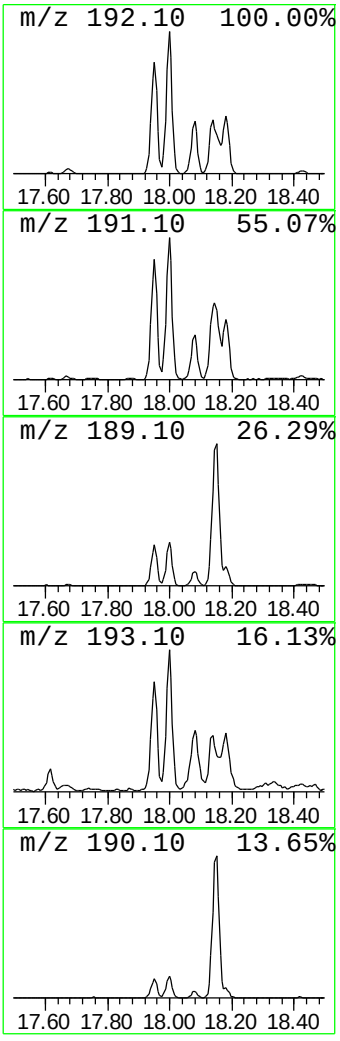
**********

Peak Number 29 Anthracene, 9-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.00 | 35.99 ng/ul | 3737280 | Phenanthrene-d10 | 17.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 94 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 93 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 93 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 90 |



# Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013382.D
Acq On : 13 Dec 2017 20:11
Operator : SJ/JU
Sample : I6758-13ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9B14ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

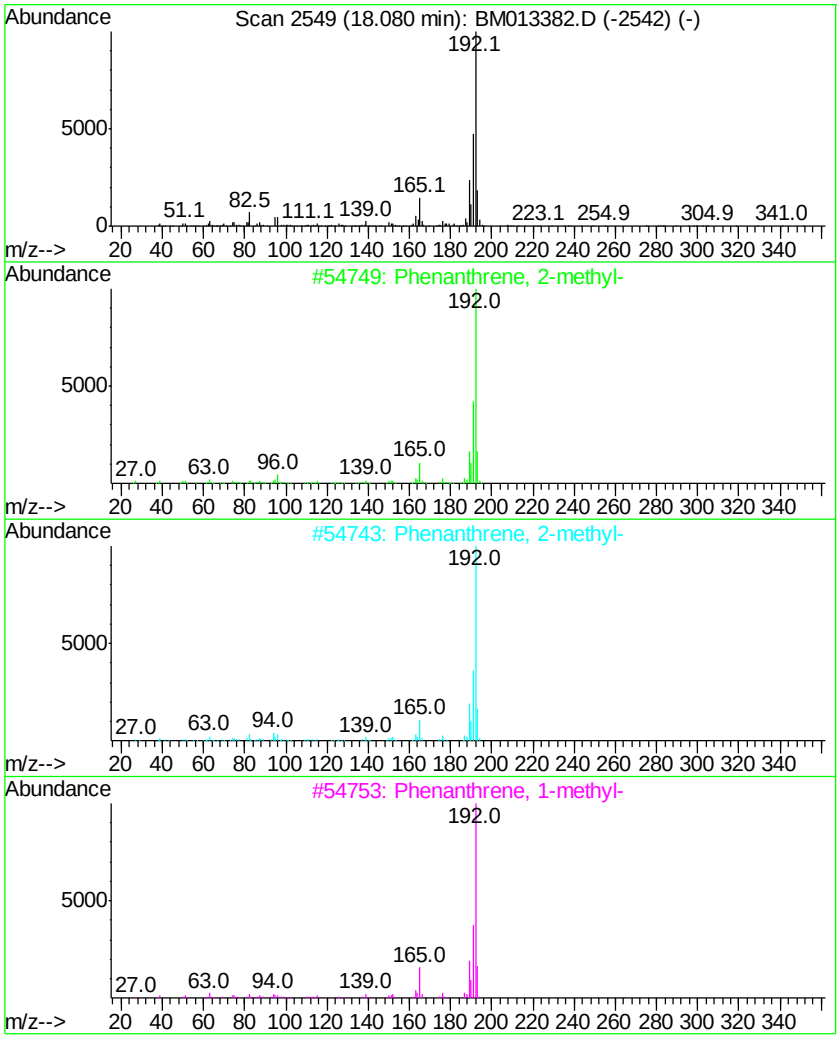
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

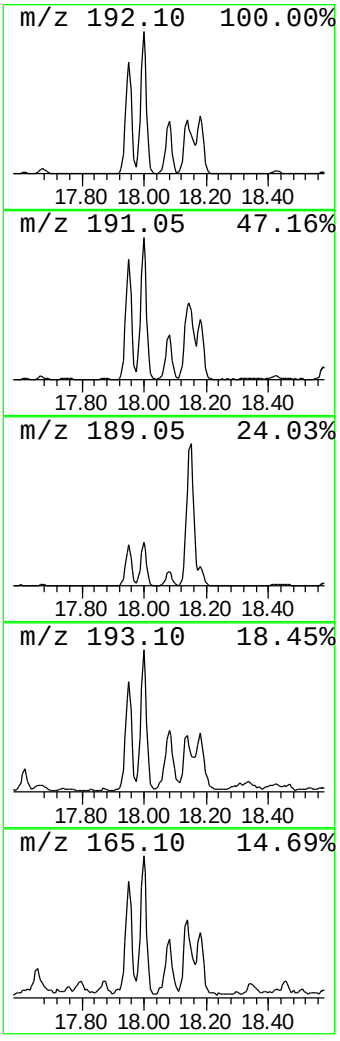
**********

Peak Number 30 Phenanthrene, 2-methyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.08 | 14.00 ng/ul | 1453410 | Phenanthrene-d10 | 17.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 95 |
| 4 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 94 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013382.D
Acq On : 13 Dec 2017 20:11
Operator : SJ/JU
Sample : I6758-13ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9B14ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

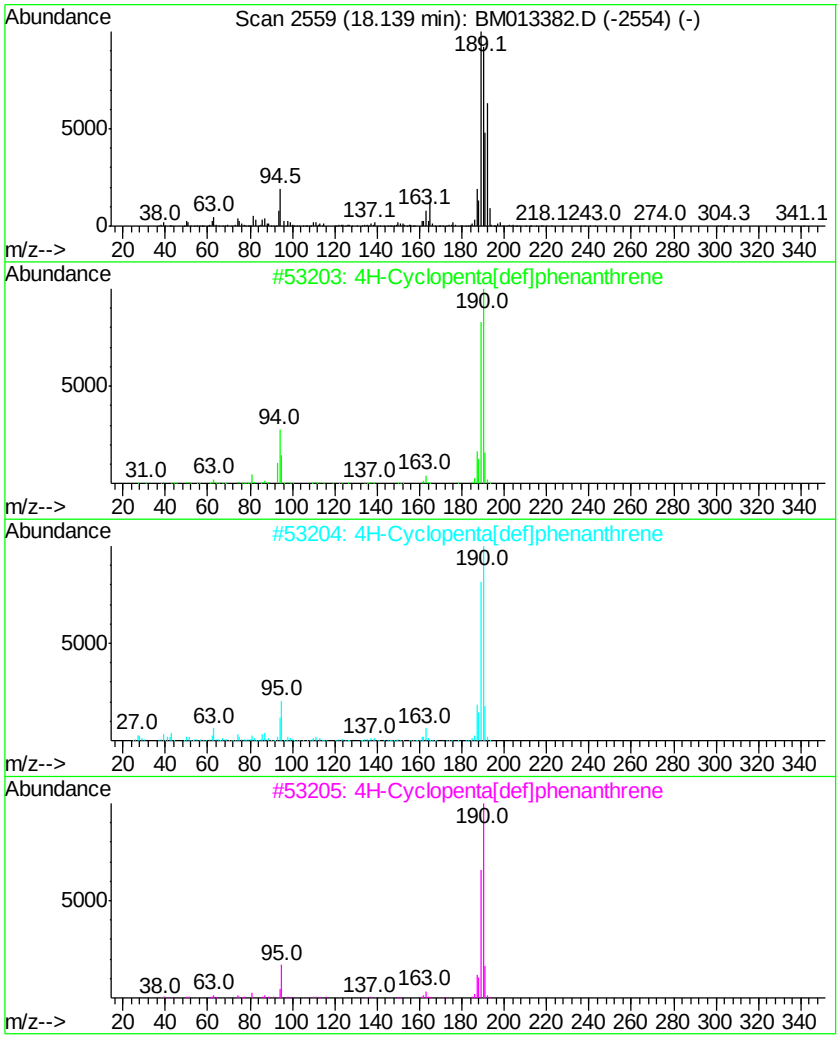
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

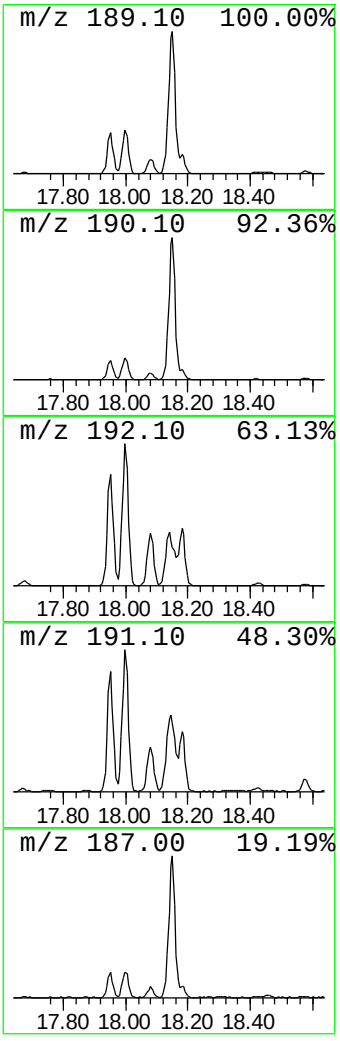
**********

Peak Number 31 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.14 | 48.98 ng/ul | 5086410 | Phenanthrene-d10 | 17.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 81 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 76 |
| 3 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 64 |
| 4 | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0 | 52 |
| 5 | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2 | 007072-01-7 | 50 |



Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM121317\
Data File : BM013382.D
Acq On : 13 Dec 2017 20:11
Operator : SJ/JU
Sample : I6758-13ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9B14ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.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 |
| Indane | 8.05 | 12.1 | ng/ul | 466213 | 1 | 7.68 | 769216 | 20.0 |
| Benzene, 1-methyl... | 9.86 | 7.9 | ng/ul | 471749 | 2 | 10.46 | 1200340 | 20.0 |
| Naphthalene, 1-me... | 12.35 | 79.1 | ng/ul | 4749840 | 2 | 10.46 | 1200340 | 20.0 |
| Naphthalene, 2-et... | 13.35 | 14.7 | ng/ul | 1180110 | 3 | 14.32 | 1610850 | 20.0 |
| Naphthalene, 1,6-... | 13.49 | 19.0 | ng/ul | 1528650 | 3 | 14.32 | 1610850 | 20.0 |
| Naphthalene, 2,3-... | 13.64 | 32.9 | ng/ul | 2648820 | 3 | 14.32 | 1610850 | 20.0 |
| 1-Isopropenylnaph... | 14.63 | 7.5 | ng/ul | 600907 | 3 | 14.32 | 1610850 | 20.0 |
| Naphthalene, 1,6,... | 14.80 | 7.1 | ng/ul | 569843 | 3 | 14.32 | 1610850 | 20.0 |
| Diphenylmethane | 15.54 | 17.4 | ng/ul | 1404060 | 3 | 14.32 | 1610850 | 20.0 |
| 2,4,6-Cycloheptat... | 15.67 | 23.9 | ng/ul | 1927840 | 3 | 14.32 | 1610850 | 20.0 |
| Dibenzofuran, 4-m... | 15.91 | 5.4 | ng/ul | 557044 | 4 | 17.08 | 2076840 | 20.0 |
| 3-Methyl-4-(metho... | 16.04 | 11.1 | ng/ul | 1154230 | 4 | 17.08 | 2076840 | 20.0 |
| 9H-Fluorene, 2-me... | 16.38 | 21.7 | ng/ul | 2253800 | 4 | 17.08 | 2076840 | 20.0 |
| 9H-Fluorene, 1-me... | 16.43 | 5.9 | ng/ul | 609016 | 4 | 17.08 | 2076840 | 20.0 |
| Dibenz[c,e]oxepin... | 16.65 | 4.6 | ng/ul | 474127 | 4 | 17.08 | 2076840 | 20.0 |
| 9H-Fluoren-9-one | 16.73 | 6.4 | ng/ul | 666160 | 4 | 17.08 | 2076840 | 20.0 |
| Benzo[b]benzofura... | 16.81 | 6.5 | ng/ul | 677206 | 4 | 17.08 | 2076840 | 20.0 |
| Dibenzothiophene | 16.89 | 28.4 | ng/ul | 2954630 | 4 | 17.08 | 2076840 | 20.0 |
| 1,4-Ethenoanthrac... | 17.60 | 5.2 | ng/ul | 542144 | 4 | 17.08 | 2076840 | 20.0 |
| Dibenzothiophene,... | 17.65 | 6.9 | ng/ul | 712246 | 4 | 17.08 | 2076840 | 20.0 |
| Phenanthrene, 1-m... | 17.95 | 29.4 | ng/ul | 3055940 | 4 | 17.08 | 2076840 | 20.0 |
| Anthracene, 9-met... | 18.00 | 36.0 | ng/ul | 3737280 | 4 | 17.08 | 2076840 | 20.0 |
| Phenanthrene, 2-m... | 18.08 | 14.0 | ng/ul | 1453410 | 4 | 17.08 | 2076840 | 20.0 |
| 4H-Cyclopenta[def... | 18.14 | 49.0 | ng/ul | 5086410 | 4 | 17.08 | 2076840 | 20.0 |