LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120617\
Data File : BM013232.D
Acq On : 07 Dec 2017 04:41
Operator : SJ/JU
Sample : I6647-02DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0248DL

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 | 6.881 | 638 | 645 | 655 | rVB2 | 131093 | 247633 | 4.53% | 0.475% |
| 2 | 7.040 | 667 | 672 | 680 | rVB | 95995 | 155854 | 2.85% | 0.299% |
| 3 | 7.234 | 698 | 705 | 711 | rVB | 140751 | 224089 | 4.10% | 0.430% |
| 4 | 7.698 | 778 | 784 | 792 | rBV | 1330638 | 2074213 | 37.98% | 3.978% |
| 5 | 8.404 | 898 | 904 | 911 | rBV | 159132 | 266508 | 4.88% | 0.511% |
| 6 | 8.851 | 974 | 980 | 987 | rBV | 144117 | 234668 | 4.30% | 0.450% |
| 7 | 9.569 | 1096 | 1102 | 1109 | rVB2 | 106464 | 176734 | 3.24% | 0.339% |
| 8 | 10.104 | 1186 | 1193 | 1203 | rBV | 168009 | 304738 | 5.58% | 0.584% |
| 9 | 10.480 | 1249 | 1257 | 1265 | rBV | 1876584 | 3042780 | 55.72% | 5.836% |
| 10 | 10.622 | 1274 | 1281 | 1291 | rVB | 109044 | 193368 | 3.54% | 0.371% |
| 11 | 13.363 | 1740 | 1747 | 1757 | rVB3 | 21245 | 55800 | 1.02% | 0.107% |
| 12 | 13.657 | 1792 | 1797 | 1802 | rBV3 | 41998 | 77398 | 1.42% | 0.148% |
| 13 | 13.751 | 1808 | 1813 | 1818 | rVV | 305287 | 405041 | 7.42% | 0.777% |
| 14 | 13.798 | 1818 | 1821 | 1831 | rVB2 | 79283 | 125360 | 2.30% | 0.240% |
| 15 | 14.033 | 1853 | 1861 | 1872 | rVB | 353919 | 597334 | 10.94% | 1.146% |
| 16 | 14.345 | 1904 | 1914 | 1920 | rBV2 | 2629549 | 4168077 | 76.33% | 7.994% |
| 17 | 14.404 | 1920 | 1924 | 1933 | rVB2 | 185858 | 308721 | 5.65% | 0.592% |
| 18 | 14.557 | 1942 | 1950 | 1958 | rBV3 | 106327 | 223491 | 4.09% | 0.429% |
| 19 | 14.651 | 1961 | 1966 | 1970 | rVB4 | 34098 | 61613 | 1.13% | 0.118% |
| 20 | 14.745 | 1976 | 1982 | 1989 | rVB2 | 78440 | 147147 | 2.69% | 0.282% |
| 21 | 15.204 | 2056 | 2060 | 2064 | rVB2 | 45733 | 63685 | 1.17% | 0.122% |
| 22 | 15.339 | 2077 | 2083 | 2087 | rVV | 456652 | 661744 | 12.12% | 1.269% |
| 23 | 15.392 | 2087 | 2092 | 2097 | rVB | 255974 | 344061 | 6.30% | 0.660% |
| 24 | 15.463 | 2097 | 2104 | 2106 | rBV6 | 48290 | 86029 | 1.58% | 0.165% |
| 25 | 15.515 | 2110 | 2113 | 2116 | rVV2 | 73929 | 98416 | 1.80% | 0.189% |
| 26 | 15.551 | 2116 | 2119 | 2125 | rVB2 | 105850 | 148254 | 2.71% | 0.284% |
| 27 | 15.604 | 2125 | 2128 | 2131 | rBV3 | 48387 | 63626 | 1.17% | 0.122% |
| 28 | 16.068 | 2203 | 2207 | 2217 | rVB4 | 87838 | 140968 | 2.58% | 0.270% |
| 29 | 16.374 | 2252 | 2259 | 2266 | rBV5 | 108684 | 268393 | 4.91% | 0.515% |
| 30 | 16.445 | 2267 | 2271 | 2276 | rBV3 | 99937 | 157547 | 2.89% | 0.302% |
| 31 | 16.545 | 2283 | 2288 | 2293 | rVB7 | 61269 | 103807 | 1.90% | 0.199% |
| 32 | 16.598 | 2293 | 2297 | 2302 | rBV8 | 41012 | 70221 | 1.29% | 0.135% |
| 33 | 16.662 | 2303 | 2308 | 2312 | rVB5 | 58152 | 93777 | 1.72% | 0.180% |
| 34 | 16.745 | 2315 | 2322 | 2329 | rVB | 163138 | 247173 | 4.53% | 0.474% |

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Operator : SJ/JU
Sample : I6647-02DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0248DL

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 | 16.857 | 2332 | 2341 | 2346 | rBV | 86694 | 195984 | 3.59% | 0.376% |
| 36 | 16.904 | 2346 | 2349 | 2353 | rBV | 77878 | 102390 | 1.88% | 0.196% |
| 37 | 17.092 | 2374 | 2381 | 2384 | rBV2 | 3361619 | 4899931 | 89.73% | 9.398% |
| 38 | 17.133 | 2384 | 2388 | 2393 | rVV | 2404333 | 3213177 | 58.84% | 6.163% |
| 39 | 17.186 | 2393 | 2397 | 2401 | rVV2 | 547837 | 853983 | 15.64% | 1.638% |
| 40 | 17.221 | 2401 | 2403 | 2408 | rVB | 202315 | 236462 | 4.33% | 0.454% |
| 41 | 17.280 | 2409 | 2413 | 2418 | rBV3 | 70795 | 114382 | 2.09% | 0.219% |
| 42 | 17.404 | 2430 | 2434 | 2438 | rVB4 | 51020 | 65783 | 1.20% | 0.126% |
| 43 | 17.492 | 2445 | 2449 | 2455 | rVB | 159939 | 245275 | 4.49% | 0.470% |
| 44 | 17.609 | 2465 | 2469 | 2472 | rVB4 | 68423 | 96121 | 1.76% | 0.184% |
| 45 | 17.668 | 2476 | 2479 | 2484 | rVB5 | 51570 | 74769 | 1.37% | 0.143% |
| 46 | 17.962 | 2524 | 2529 | 2532 | rVV | 319476 | 466104 | 8.54% | 0.894% |
| 47 | 18.009 | 2532 | 2537 | 2543 | rVB | 378144 | 641590 | 11.75% | 1.230% |
| 48 | 18.092 | 2548 | 2551 | 2556 | rVV4 | 79226 | 130187 | 2.38% | 0.250% |
| 49 | 18.151 | 2556 | 2561 | 2566 | rVV2 | 517220 | 936812 | 17.16% | 1.797% |
| 50 | 18.192 | 2566 | 2568 | 2575 | rVB | 236262 | 320046 | 5.86% | 0.614% |
| 51 | 18.286 | 2580 | 2584 | 2588 | rBV6 | 60365 | 108869 | 1.99% | 0.209% |
| 52 | 18.468 | 2611 | 2615 | 2618 | rBV | 244073 | 322485 | 5.91% | 0.618% |
| 53 | 18.509 | 2618 | 2622 | 2626 | rVB | 347350 | 475707 | 8.71% | 0.912% |
| 54 | 18.598 | 2633 | 2637 | 2642 | rVB4 | 62501 | 93196 | 1.71% | 0.179% |
| 55 | 18.686 | 2648 | 2652 | 2654 | rBV5 | 73253 | 113631 | 2.08% | 0.218% |
| 56 | 18.715 | 2654 | 2657 | 2662 | rVB2 | 103060 | 140790 | 2.58% | 0.270% |
| 57 | 18.804 | 2669 | 2672 | 2677 | rVB5 | 62561 | 78438 | 1.44% | 0.150% |
| 58 | 18.886 | 2681 | 2686 | 2690 | rBV2 | 246670 | 392290 | 7.18% | 0.752% |
| 59 | 18.933 | 2690 | 2694 | 2699 | rVB4 | 100659 | 199615 | 3.66% | 0.383% |
| 60 | 19.027 | 2706 | 2710 | 2715 | rBV | 181545 | 313716 | 5.74% | 0.602% |
| 61 | 19.151 | 2726 | 2731 | 2739 | rVB | 2940852 | 3920226 | 71.79% | 7.519% |
| 62 | 19.251 | 2745 | 2748 | 2750 | rBV4 | 51683 | 75017 | 1.37% | 0.144% |
| 63 | 19.392 | 2770 | 2772 | 2776 | rBV2 | 68193 | 74474 | 1.36% | 0.143% |
| 64 | 19.486 | 2783 | 2788 | 2789 | rBV3 | 931555 | 1213993 | 22.23% | 2.328% |
| 65 | 19.515 | 2789 | 2793 | 2801 | rVB | 2408587 | 3395281 | 62.18% | 6.512% |
| 66 | 19.845 | 2845 | 2849 | 2855 | rVB2 | 132074 | 257199 | 4.71% | 0.493% |
| 67 | 20.009 | 2874 | 2877 | 2880 | rVB | 269875 | 343096 | 6.28% | 0.658% |
| 68 | 20.039 | 2880 | 2882 | 2886 | rVB2 | 78684 | 77515 | 1.42% | 0.149% |
| 69 | 20.109 | 2891 | 2894 | 2898 | rVB | 155403 | 199993 | 3.66% | 0.384% |
| 70 | 20.168 | 2901 | 2904 | 2908 | rVB2 | 236835 | 300316 | 5.50% | 0.576% |
| 71 | 20.309 | 2925 | 2928 | 2931 | rBV | 240211 | 257247 | 4.71% | 0.493% |

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Operator : SJ/JU
Sample : I6647-02DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0248DL

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 | 20.350 | 2932 | 2935 | 2939 | rVB | 215298 | 274516 | 5.03% | 0.526% |
| 73 | 21.003 | 3043 | 3046 | 3051 | rBV4 | 303780 | 390966 | 7.16% | 0.750% |
| 74 | 21.274 | 3086 | 3092 | 3096 | rBV2 | 3485512 | 5460708 | 100.00% | 10.473% |
| 75 | 21.315 | 3096 | 3099 | 3107 | rVB | 905020 | 1221626 | 22.37% | 2.343% |
| 76 | 22.839 | 3354 | 3358 | 3363 | rBV | 768953 | 1326077 | 24.28% | 2.543% |
| 77 | 23.509 | 3467 | 3472 | 3478 | rVB | 1600867 | 2882511 | 52.79% | 5.528% |

Sum of corrected areas: 52140762

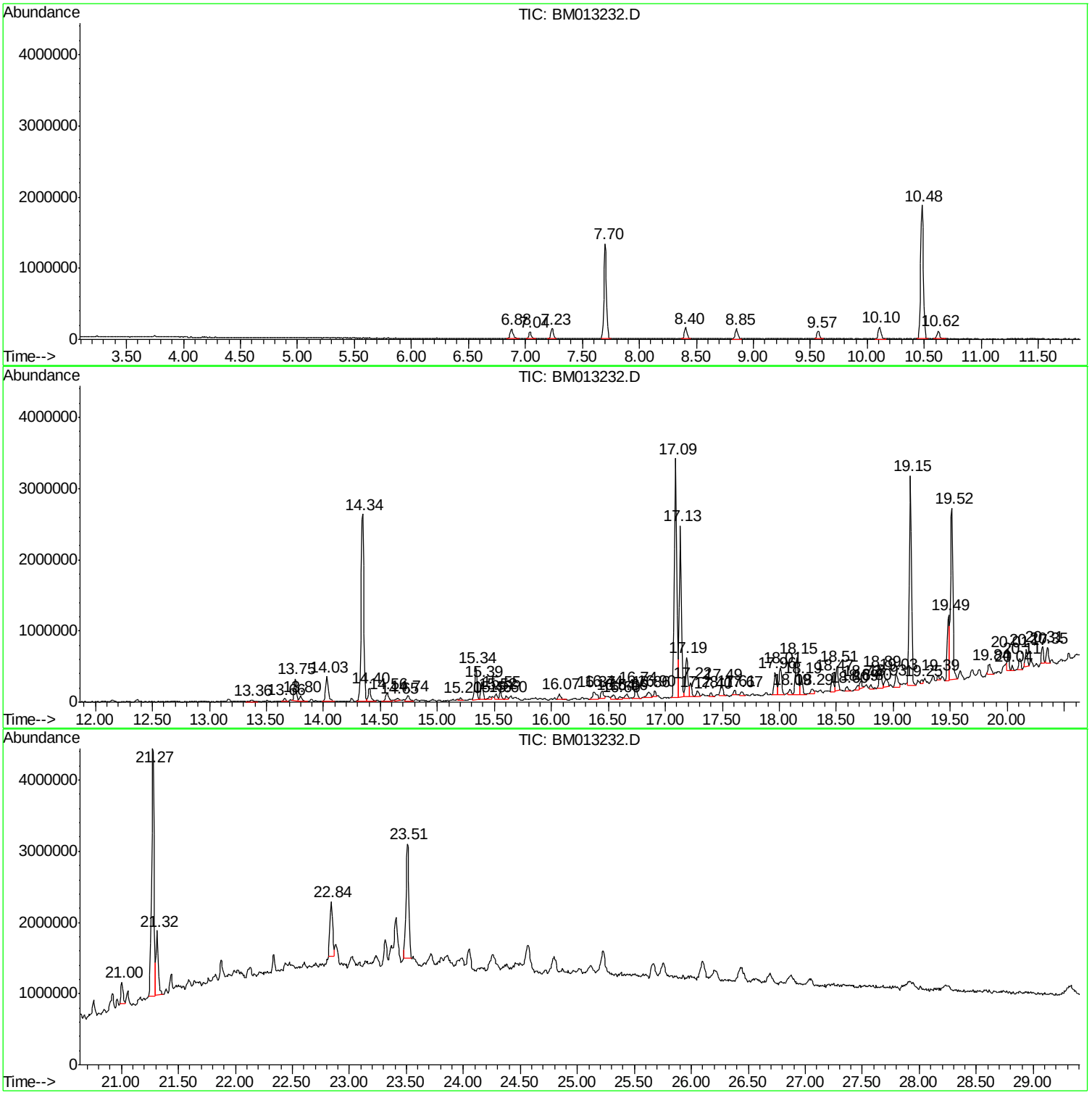
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120617\
Data File : BM013232.D
Acq On : 07 Dec 2017 04:41
Operator : SJ/JU
Sample : I6647-02DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0248DL

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



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120617\
Data File : BM013232.D
Acq On : 07 Dec 2017 04:41
Operator : SJ/JU
Sample : I6647-02DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0248DL

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

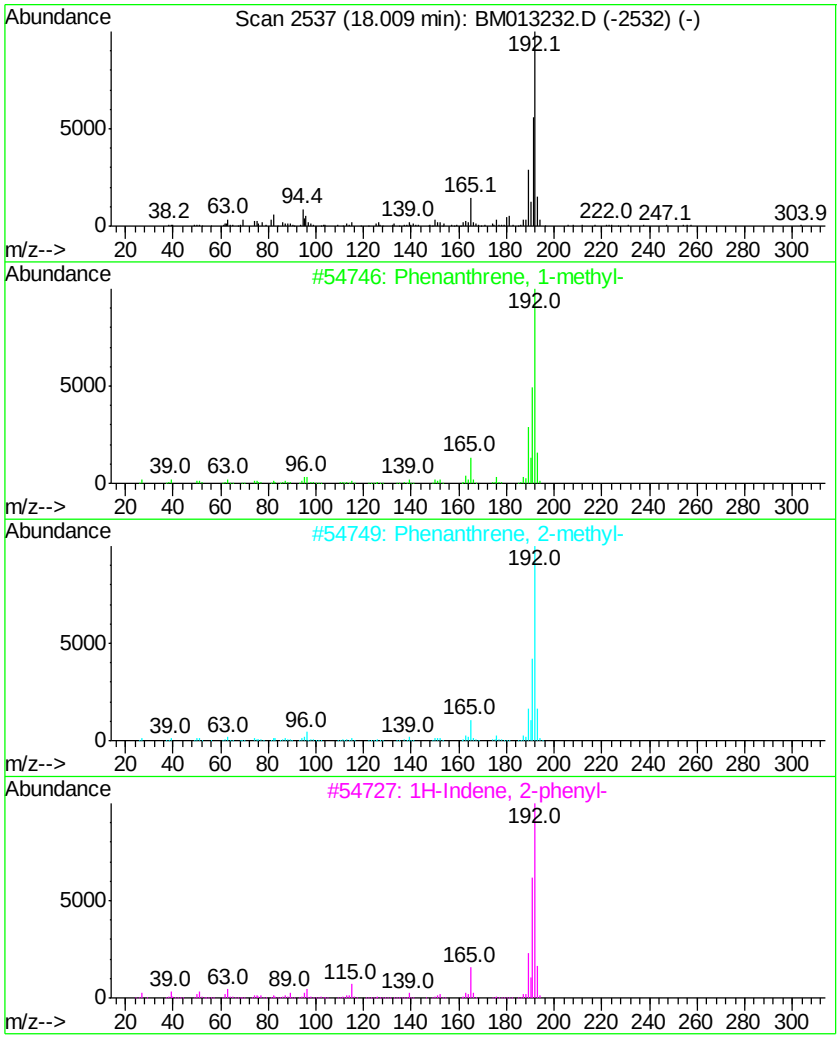
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

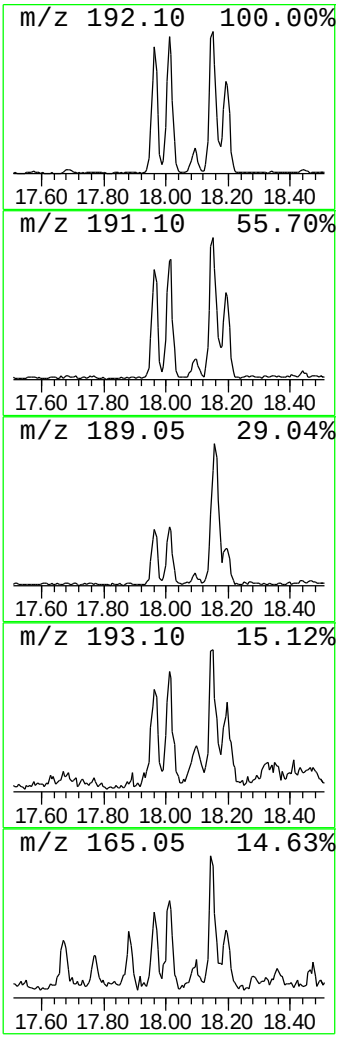
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.01 | 2.62 ng/ul | 641590 | Phenanthrene-d10 | 17.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 3 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 95 |
| 4 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 94 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 93 |



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**Instrument :** BNA_M
**ClientSampleId :** C0248DL

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

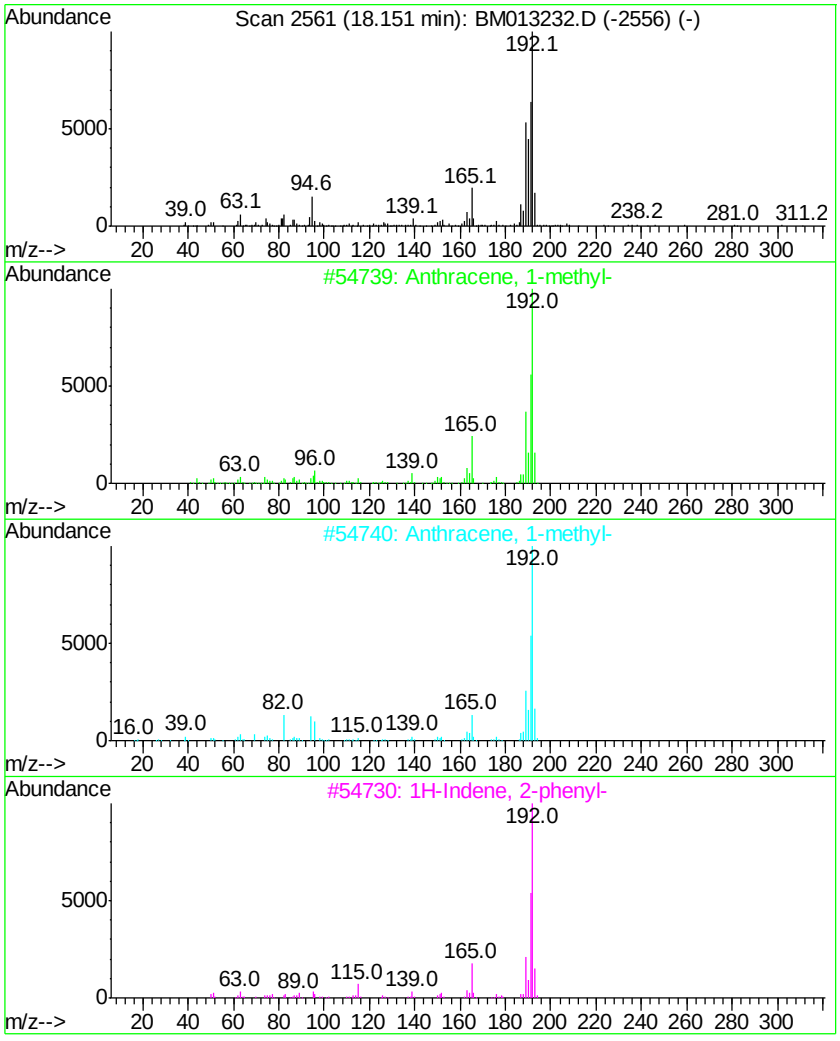
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

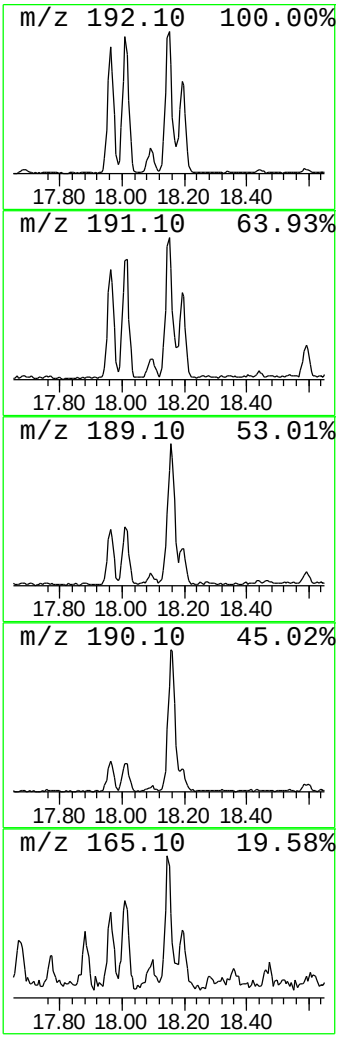
**********

Peak Number 2 Anthracene, 1-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.15 | 3.82 ng/ul | 936812 | Phenanthrene-d10 | 17.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 90 |
| 2 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 83 |
| 3 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 64 |
| 4 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 64 |
| 5 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 64 |



Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM120617\
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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 |
| Phenanthrene, 1-m... | 18.01 | 2.6 | ng/ul | 641590 | 4 | 17.09 | 4899930 | 20.0 |
| Anthracene, 1-met... | 18.15 | 3.8 | ng/ul | 936812 | 4 | 17.09 | 4899930 | 20.0 |