LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081722\
Data File : BM036320.D
Acq On : 17 Aug 2022 17:23
Operator : CG/JU
Sample : N4173-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** EX7P0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Title : SVOA CALIBRATION

Signal : TIC: BM036320.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.210 | 17 | 21 | 29 | rVB | 53893 | 71424 | 1.24% | 0.089% |
| 2 | 3.746 | 108 | 112 | 119 | rVB | 28488 | 37624 | 0.65% | 0.047% |
| 3 | 3.863 | 127 | 132 | 137 | rVB2 | 38521 | 56997 | 0.99% | 0.071% |
| 4 | 4.404 | 219 | 224 | 230 | rVB | 67331 | 89506 | 1.56% | 0.112% |
| 5 | 4.893 | 303 | 307 | 317 | rVB | 22660 | 40819 | 0.71% | 0.051% |
| 6 | 6.916 | 646 | 651 | 656 | rBV | 34956 | 50778 | 0.88% | 0.064% |
| 7 | 6.987 | 656 | 663 | 673 | rBV | 745481 | 1246137 | 21.66% | 1.559% |
| 8 | 7.140 | 683 | 689 | 699 | rBV | 680698 | 1037522 | 18.04% | 1.298% |
| 9 | 7.334 | 715 | 722 | 732 | rBV | 811150 | 1271578 | 22.10% | 1.590% |
| 10 | 7.804 | 793 | 802 | 810 | rBV | 939257 | 1512774 | 26.30% | 1.892% |
| 11 | 8.528 | 917 | 925 | 938 | rBV | 885689 | 1502425 | 26.12% | 1.879% |
| 12 | 8.639 | 939 | 944 | 950 | rVB | 38384 | 69629 | 1.21% | 0.087% |
| 13 | 8.969 | 993 | 1000 | 1016 | rBV | 743098 | 1246540 | 21.67% | 1.559% |
| 14 | 9.363 | 1062 | 1067 | 1074 | rBV | 43851 | 62270 | 1.08% | 0.078% |
| 15 | 9.692 | 1116 | 1123 | 1134 | rBV | 581910 | 991332 | 17.23% | 1.240% |
| 16 | 10.233 | 1208 | 1215 | 1237 | rBV | 767551 | 1491721 | 25.93% | 1.866% |
| 17 | 10.604 | 1269 | 1278 | 1284 | rBV | 1333956 | 2227476 | 38.72% | 2.786% |
| 18 | 10.651 | 1284 | 1286 | 1294 | rVB | 48415 | 68466 | 1.19% | 0.086% |
| 19 | 11.857 | 1485 | 1491 | 1499 | rVB2 | 26414 | 41755 | 0.73% | 0.052% |
| 20 | 12.492 | 1594 | 1599 | 1607 | rVB2 | 17478 | 32009 | 0.56% | 0.040% |
| 21 | 13.769 | 1811 | 1816 | 1821 | rBV2 | 23438 | 38625 | 0.67% | 0.048% |
| 22 | 13.863 | 1826 | 1832 | 1847 | rVB | 1480281 | 2110164 | 36.68% | 2.639% |
| 23 | 14.139 | 1869 | 1879 | 1896 | rBV | 1787008 | 2807591 | 48.80% | 3.512% |
| 24 | 14.445 | 1923 | 1931 | 1938 | rVV | 1804072 | 2594525 | 45.10% | 3.245% |
| 25 | 14.504 | 1938 | 1941 | 1951 | rVV | 40050 | 71238 | 1.24% | 0.089% |
| 26 | 14.680 | 1963 | 1971 | 1991 | rBV | 359977 | 816256 | 14.19% | 1.021% |
| 27 | 14.845 | 1994 | 1999 | 2002 | rVV | 57375 | 91604 | 1.59% | 0.115% |
| 28 | 14.880 | 2002 | 2005 | 2009 | rVV2 | 39951 | 65872 | 1.15% | 0.082% |
| 29 | 14.921 | 2009 | 2012 | 2017 | rVB | 24636 | 31895 | 0.55% | 0.040% |
| 30 | 15.063 | 2028 | 2036 | 2041 | rBV3 | 20675 | 42752 | 0.74% | 0.053% |
| 31 | 15.233 | 2058 | 2065 | 2068 | rBV4 | 20935 | 37555 | 0.65% | 0.047% |
| 32 | 15.439 | 2085 | 2100 | 2105 | rBV | 2277328 | 3266810 | 56.79% | 4.086% |
| 33 | 15.492 | 2105 | 2109 | 2116 | rVB | 100028 | 165395 | 2.88% | 0.207% |
| 34 | 15.568 | 2116 | 2122 | 2134 | rBV | 476188 | 765580 | 13.31% | 0.958% |
| 35 | 15.786 | 2154 | 2159 | 2165 | rVB | 48637 | 74771 | 1.30% | 0.094% |
| 36 | 15.933 | 2179 | 2184 | 2192 | rVB | 50284 | 95205 | 1.65% | 0.119% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081722\
Data File : BM036320.D
Acq On : 17 Aug 2022 17:23
Operator : CG/JU
Sample : N4173-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EX7P0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 16.168 | 2217 | 2224 | 2229 | rBV5 | 35606 | 73313 | 1.27% | 0.092% |
| 38 | 16.498 | 2269 | 2280 | 2284 | rBV3 | 54097 | 126425 | 2.20% | 0.158% |
| 39 | 16.545 | 2284 | 2288 | 2293 | rVB2 | 21185 | 33728 | 0.59% | 0.042% |
| 40 | 16.645 | 2301 | 2305 | 2310 | rVB3 | 33181 | 53113 | 0.92% | 0.066% |
| 41 | 16.721 | 2312 | 2318 | 2322 | rBV2 | 53538 | 87352 | 1.52% | 0.109% |
| 42 | 16.762 | 2322 | 2325 | 2328 | rVV3 | 34975 | 39986 | 0.70% | 0.050% |
| 43 | 16.851 | 2335 | 2340 | 2346 | rVB2 | 32862 | 55323 | 0.96% | 0.069% |
| 44 | 16.921 | 2346 | 2352 | 2354 | rBV | 48810 | 80773 | 1.40% | 0.101% |
| 45 | 17.009 | 2362 | 2367 | 2375 | rVB | 72001 | 125117 | 2.17% | 0.156% |
| 46 | 17.186 | 2391 | 2397 | 2401 | rBV | 1855272 | 2680215 | 46.59% | 3.352% |
| 47 | 17.227 | 2401 | 2404 | 2409 | rVV | 1510218 | 2058114 | 35.78% | 2.574% |
| 48 | 17.286 | 2409 | 2414 | 2418 | rVV | 2464068 | 3448691 | 59.95% | 4.313% |
| 49 | 17.321 | 2418 | 2420 | 2425 | rVV | 468097 | 548609 | 9.54% | 0.686% |
| 50 | 17.374 | 2425 | 2429 | 2436 | rVB4 | 35773 | 86978 | 1.51% | 0.109% |
| 51 | 17.604 | 2460 | 2468 | 2479 | rVV3 | 67127 | 217303 | 3.78% | 0.272% |
| 52 | 17.680 | 2479 | 2481 | 2483 | rVV | 30331 | 36806 | 0.64% | 0.046% |
| 53 | 17.709 | 2483 | 2486 | 2492 | rVV4 | 75363 | 122436 | 2.13% | 0.153% |
| 54 | 17.774 | 2493 | 2497 | 2504 | rVB5 | 34970 | 79285 | 1.38% | 0.099% |
| 55 | 17.862 | 2508 | 2512 | 2516 | rVV | 60103 | 78219 | 1.36% | 0.098% |
| 56 | 17.909 | 2516 | 2520 | 2524 | rVB3 | 20447 | 31571 | 0.55% | 0.039% |
| 57 | 18.062 | 2538 | 2546 | 2549 | rBV | 285131 | 425544 | 7.40% | 0.532% |
| 58 | 18.109 | 2550 | 2554 | 2561 | rVV | 401595 | 616611 | 10.72% | 0.771% |
| 59 | 18.192 | 2564 | 2568 | 2573 | rVV | 172251 | 255323 | 4.44% | 0.319% |
| 60 | 18.262 | 2573 | 2580 | 2583 | rVV2 | 430632 | 788630 | 13.71% | 0.986% |
| 61 | 18.298 | 2583 | 2586 | 2593 | rVB | 222626 | 302547 | 5.26% | 0.378% |
| 62 | 18.380 | 2596 | 2600 | 2603 | rBV3 | 47568 | 57930 | 1.01% | 0.072% |
| 63 | 18.421 | 2603 | 2607 | 2610 | rBV4 | 35307 | 43890 | 0.76% | 0.055% |
| 64 | 18.568 | 2627 | 2632 | 2636 | rBV | 254623 | 321418 | 5.59% | 0.402% |
| 65 | 18.615 | 2636 | 2640 | 2644 | rVB2 | 55073 | 71851 | 1.25% | 0.090% |
| 66 | 18.809 | 2670 | 2673 | 2678 | rBV | 51929 | 73889 | 1.28% | 0.092% |
| 67 | 18.862 | 2679 | 2682 | 2685 | rVB | 65053 | 68528 | 1.19% | 0.086% |
| 68 | 18.903 | 2685 | 2689 | 2693 | rVB | 68213 | 88586 | 1.54% | 0.111% |
| 69 | 18.980 | 2697 | 2702 | 2706 | rBV | 204869 | 350004 | 6.08% | 0.438% |
| 70 | 19.045 | 2711 | 2713 | 2716 | rVV2 | 131145 | 186429 | 3.24% | 0.233% |
| 71 | 19.074 | 2716 | 2718 | 2722 | rVV | 99755 | 106696 | 1.85% | 0.133% |
| 72 | 19.127 | 2722 | 2727 | 2737 | rVV4 | 138010 | 350285 | 6.09% | 0.438% |
| 73 | 19.251 | 2742 | 2748 | 2754 | rVB | 3362583 | 4596373 | 79.90% | 5.749% |
| 74 | 19.315 | 2756 | 2759 | 2761 | rVB | 36917 | 38196 | 0.66% | 0.048% |
| 75 | 19.345 | 2761 | 2764 | 2769 | rBV4 | 80788 | 114279 | 1.99% | 0.143% |
| 76 | 19.398 | 2769 | 2773 | 2777 | rVB | 349689 | 425279 | 7.39% | 0.532% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081722\
Data File : BM036320.D
Acq On : 17 Aug 2022 17:23
Operator : CG/JU
Sample : N4173-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EX7P0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 19.580 | 2799 | 2804 | 2807 | rBV2 | 3301357 | 4881660 | 84.86% | 6.106% |
| 78 | 19.609 | 2807 | 2809 | 2817 | rVV | 3389052 | 4004378 | 69.61% | 5.008% |
| 79 | 19.680 | 2818 | 2821 | 2828 | rVB3 | 165423 | 267114 | 4.64% | 0.334% |
| 80 | 19.792 | 2836 | 2840 | 2846 | rVB | 176932 | 242955 | 4.22% | 0.304% |
| 81 | 19.933 | 2859 | 2864 | 2872 | rBV3 | 230523 | 567255 | 9.86% | 0.709% |
| 82 | 20.068 | 2883 | 2887 | 2889 | rBV3 | 193493 | 301462 | 5.24% | 0.377% |
| 83 | 20.103 | 2890 | 2893 | 2900 | rVB | 510224 | 706617 | 12.28% | 0.884% |
| 84 | 20.203 | 2907 | 2910 | 2914 | rBV | 311706 | 359757 | 6.25% | 0.450% |
| 85 | 20.262 | 2915 | 2920 | 2924 | rVB2 | 324611 | 511146 | 8.89% | 0.639% |
| 86 | 20.350 | 2931 | 2935 | 2939 | rBV4 | 74187 | 160703 | 2.79% | 0.201% |
| 87 | 20.403 | 2940 | 2944 | 2947 | rVV | 208329 | 276124 | 4.80% | 0.345% |
| 88 | 20.450 | 2948 | 2952 | 2956 | rVB | 208990 | 319482 | 5.55% | 0.400% |
| 89 | 20.856 | 3018 | 3021 | 3026 | rVB | 202716 | 274065 | 4.76% | 0.343% |
| 90 | 21.056 | 3052 | 3055 | 3058 | rBV | 270061 | 318509 | 5.54% | 0.398% |
| 91 | 21.092 | 3058 | 3061 | 3067 | rVV3 | 459236 | 742972 | 12.92% | 0.929% |
| 92 | 21.150 | 3069 | 3071 | 3077 | rVB | 222140 | 262170 | 4.56% | 0.328% |
| 93 | 21.368 | 3102 | 3108 | 3112 | rBV2 | 3011191 | 5752769 | 100.00% | 7.195% |
| 94 | 21.409 | 3112 | 3115 | 3124 | rVB | 1615990 | 2009628 | 34.93% | 2.514% |
| 95 | 21.527 | 3132 | 3135 | 3141 | rBV | 227428 | 295741 | 5.14% | 0.370% |
| 96 | 22.991 | 3379 | 3384 | 3390 | rBV | 1119037 | 2743948 | 47.70% | 3.432% |
| 97 | 23.497 | 3466 | 3470 | 3474 | rBV | 590081 | 1007580 | 17.51% | 1.260% |
| 98 | 23.556 | 3474 | 3480 | 3484 | rVV | 1931316 | 3648848 | 63.43% | 4.564% |
| 99 | 23.603 | 3484 | 3488 | 3496 | rVB | 1343406 | 2401093 | 41.74% | 3.003% |
| 100 | 23.703 | 3500 | 3505 | 3510 | rBV2 | 1296418 | 2325427 | 40.42% | 2.909% |

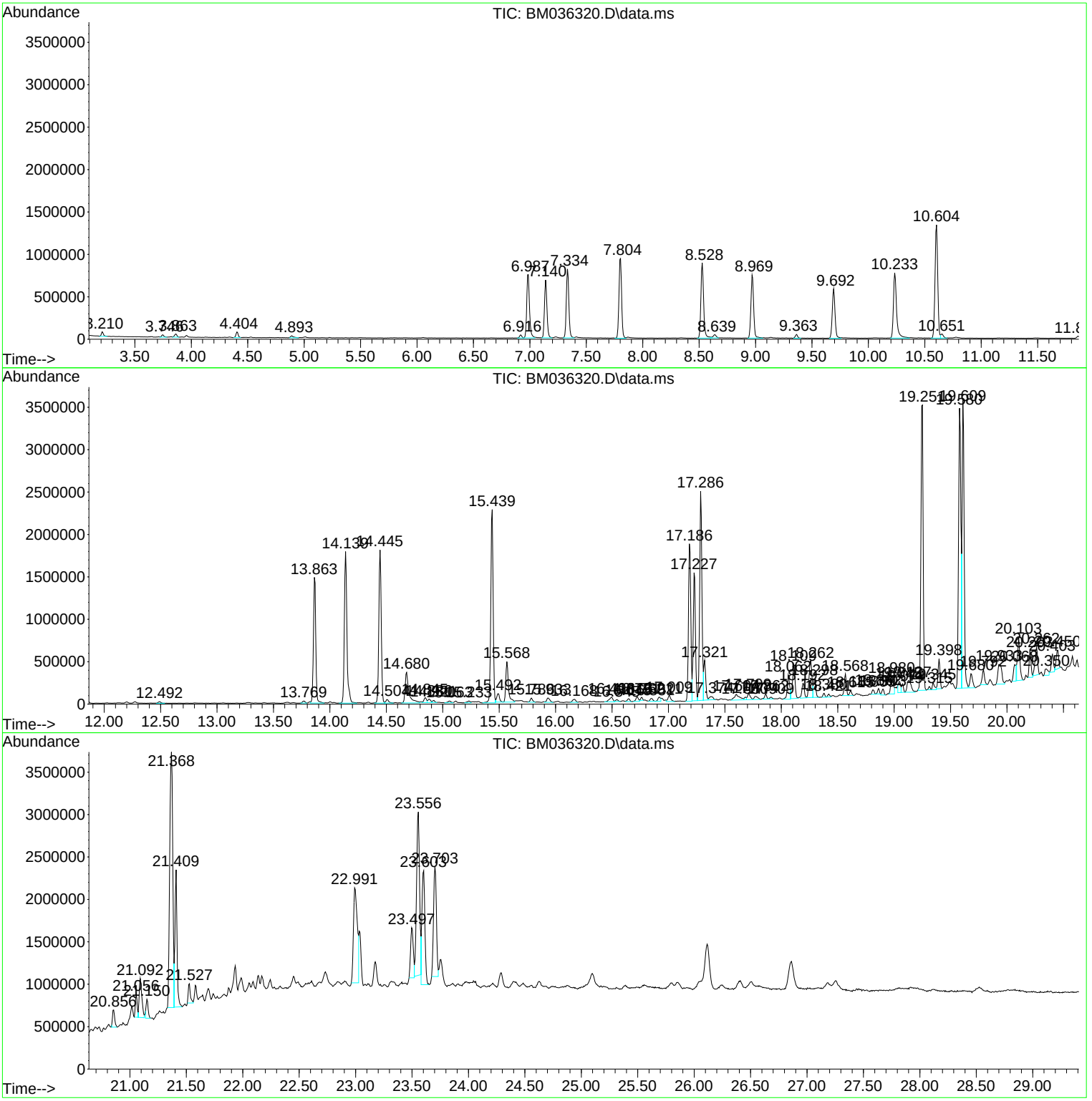
Sum of corrected areas: 79951668

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081722\
Data File : BM036320.D
Acq On : 17 Aug 2022 17:23
Operator : CG/JU
Sample : N4173-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EX7P0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081722\
Data File : BM036320.D
Acq On : 17 Aug 2022 17:23
Operator : CG/JU
Sample : N4173-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EX7P0

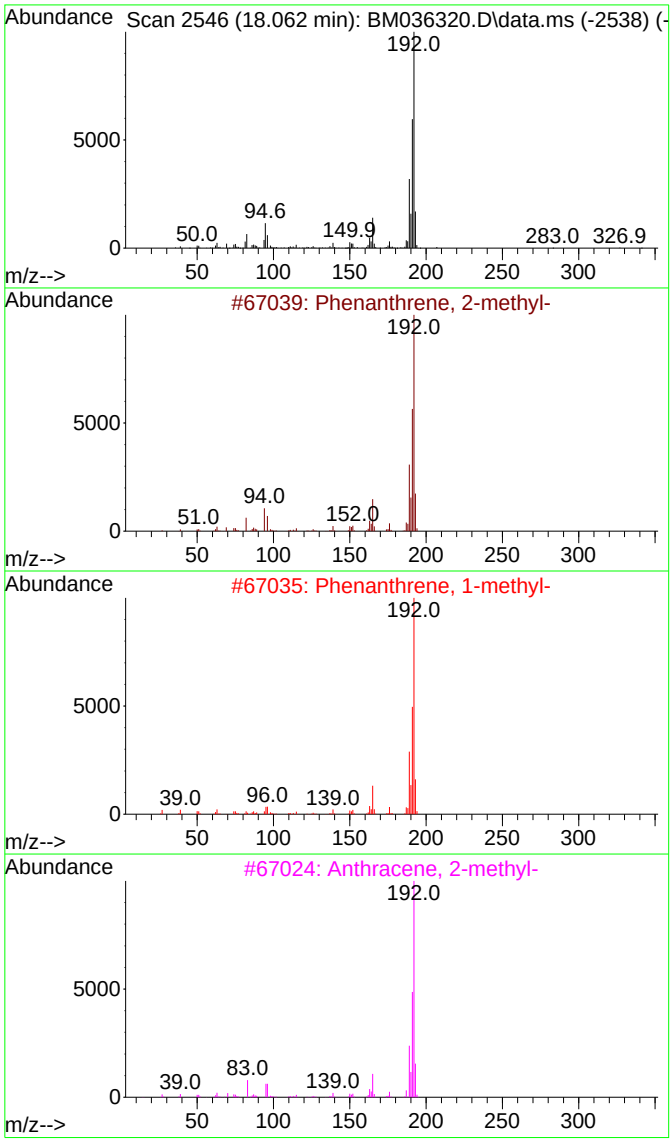
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Quant Title : SVOA CALIBRATION

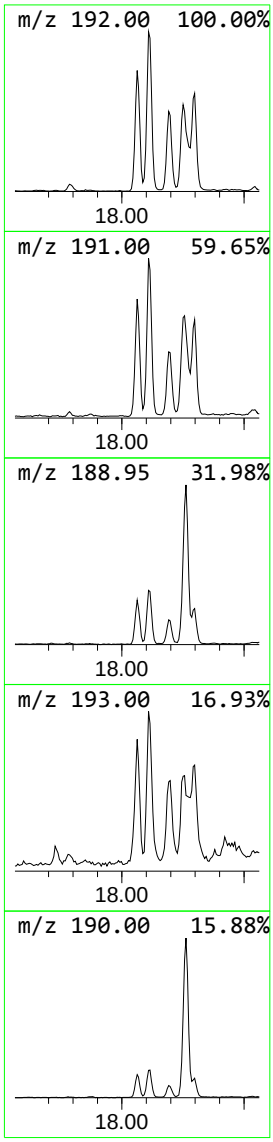
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.062 | 3.18 ng/ul | 425544 | Phenanthrene-d10 | 17.186 |

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081722\
Data File : BM036320.D
Acq On : 17 Aug 2022 17:23
Operator : CG/JU
Sample : N4173-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EX7P0

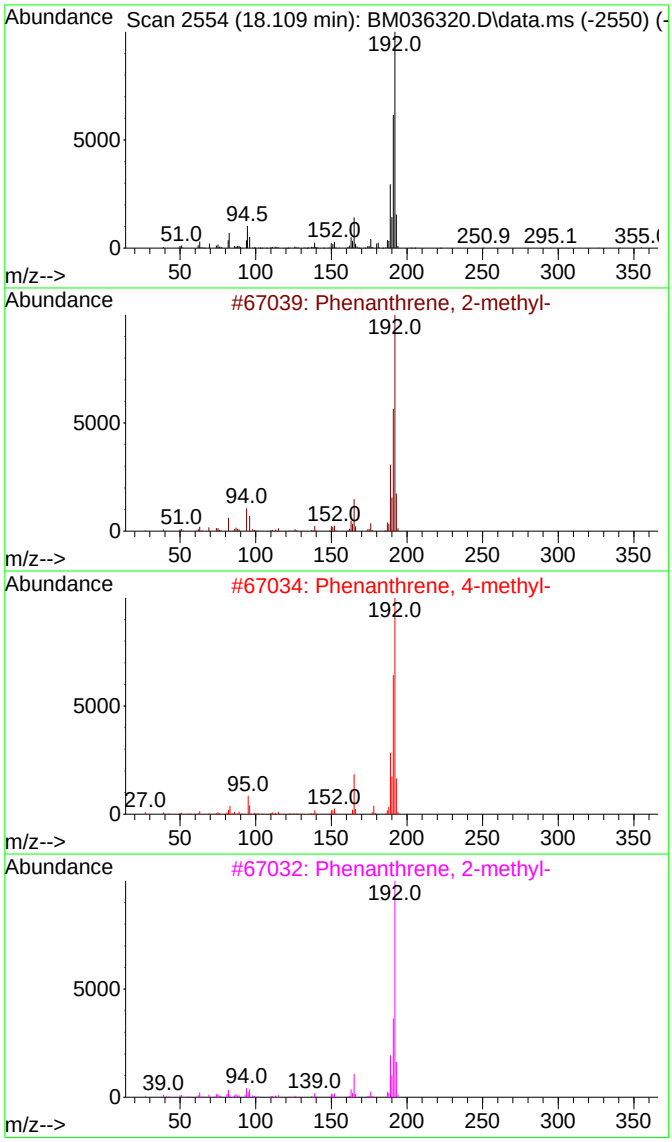
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Quant Title : SVOA CALIBRATION

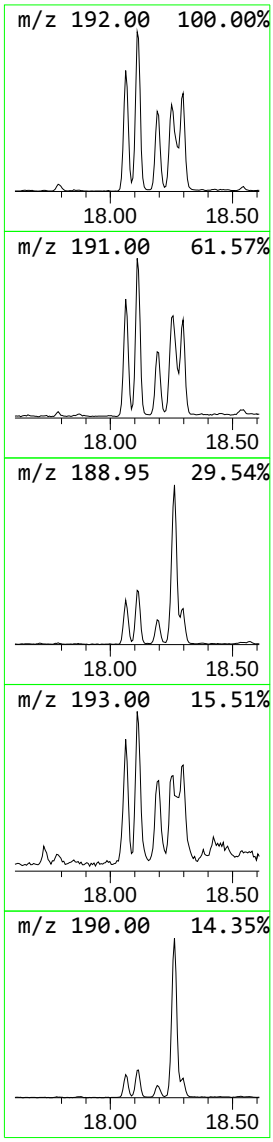
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Phenanthrene, 4-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.109 | 4.60 ng/ul | 616611 | Phenanthrene-d10 | 17.186 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 98 |
| 2 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 95 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 95 |
| 5 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081722\
Data File : BM036320.D
Acq On : 17 Aug 2022 17:23
Operator : CG/JU
Sample : N4173-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EX7P0

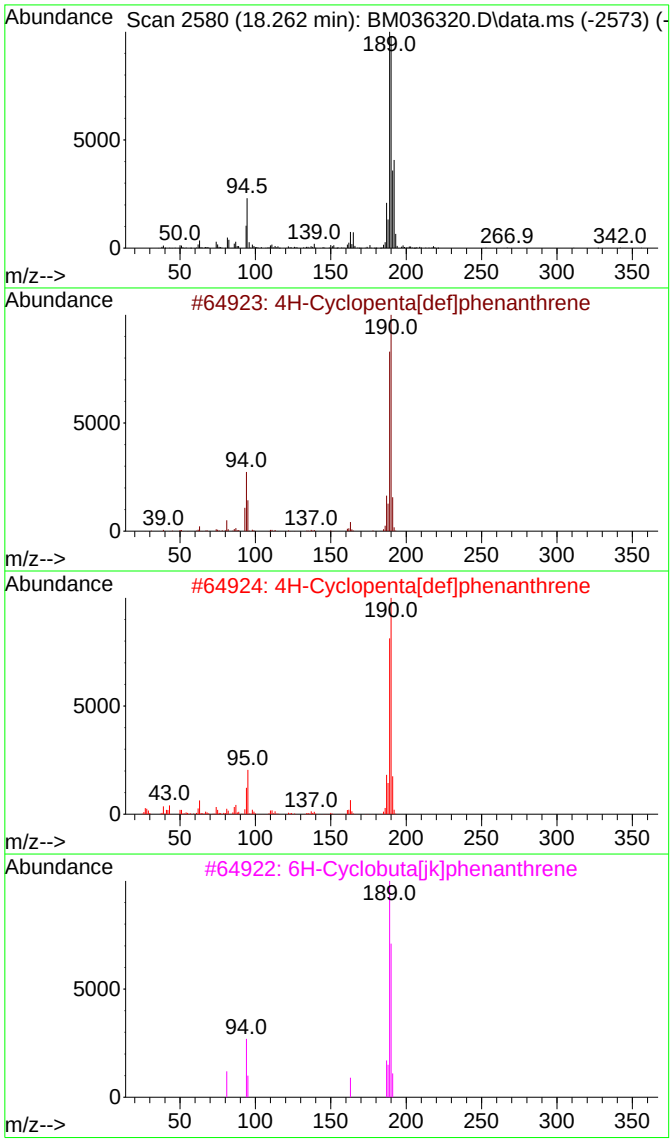
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Quant Title : SVOA CALIBRATION

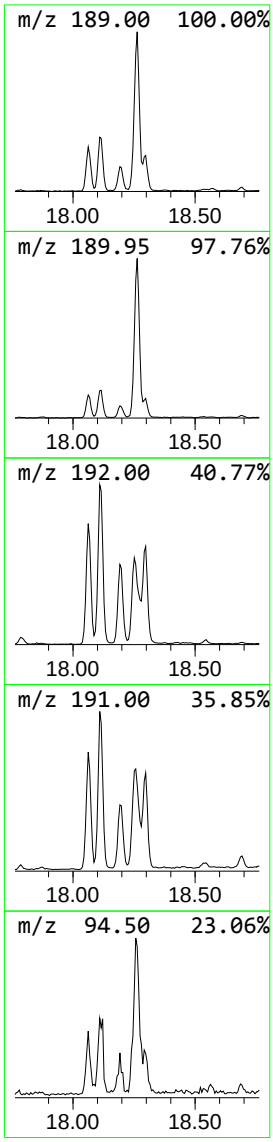
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.262 | 5.88 ng/ul | 788630 | Phenanthrene-d10 | 17.186 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 94 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 50 |
| 3 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 45 |
| 4 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 43 |
| 5 | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2 | 007072-01-7 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081722\
Data File : BM036320.D
Acq On : 17 Aug 2022 17:23
Operator : CG/JU
Sample : N4173-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EX7P0

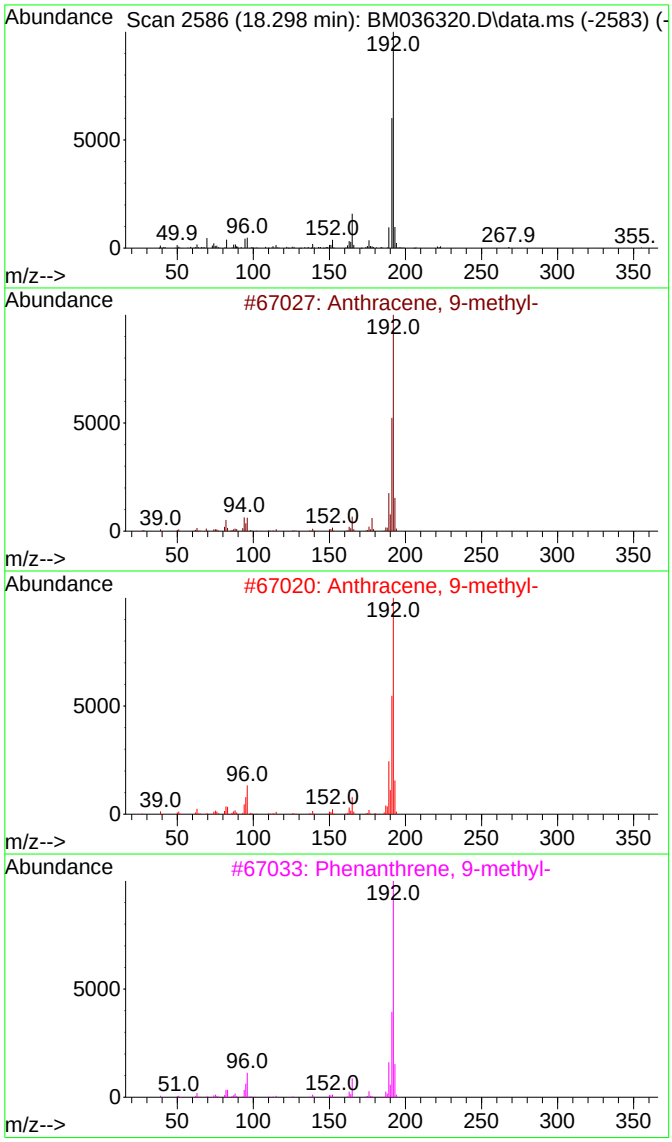
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Quant Title : SVOA CALIBRATION

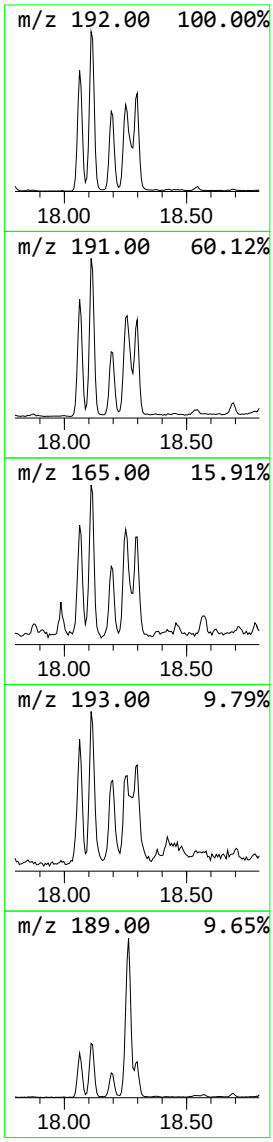
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Anthracene, 9-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.298 | 2.26 ng/ul | 302547 | Phenanthrene-d10 | 17.186 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 87 |
| 2 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 87 |
| 3 | Phenanthrene, 9-methyl- | 192 | C15H12 | 000883-20-5 | 80 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 80 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 80 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081722\
Data File : BM036320.D
Acq On : 17 Aug 2022 17:23
Operator : CG/JU
Sample : N4173-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EX7P0

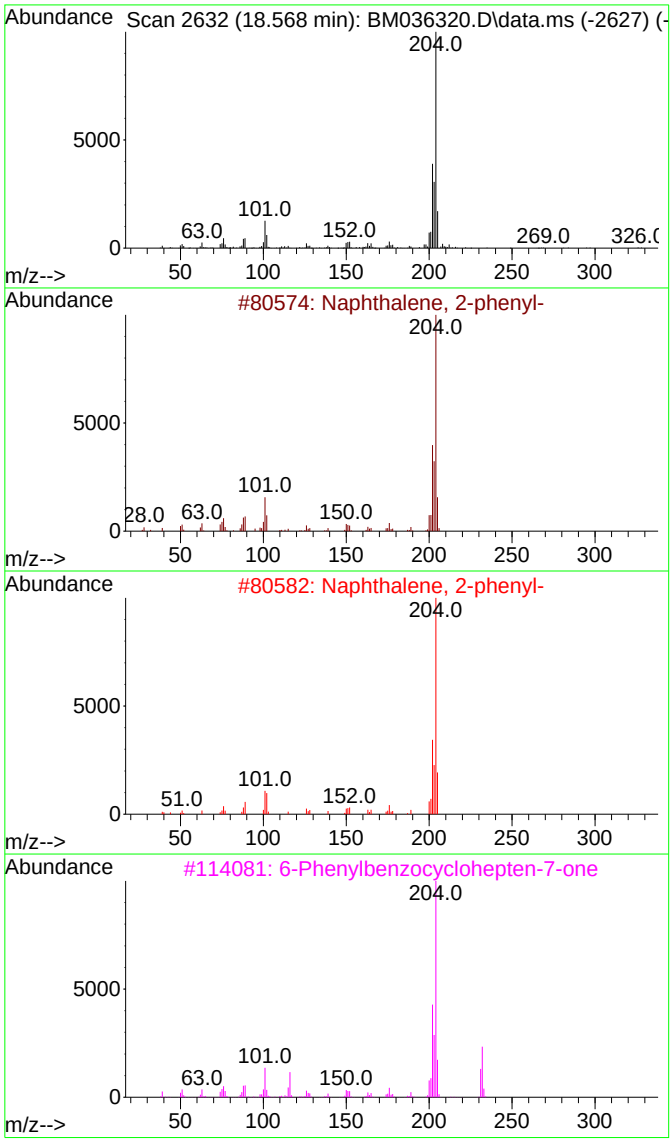
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Quant Title : SVOA CALIBRATION

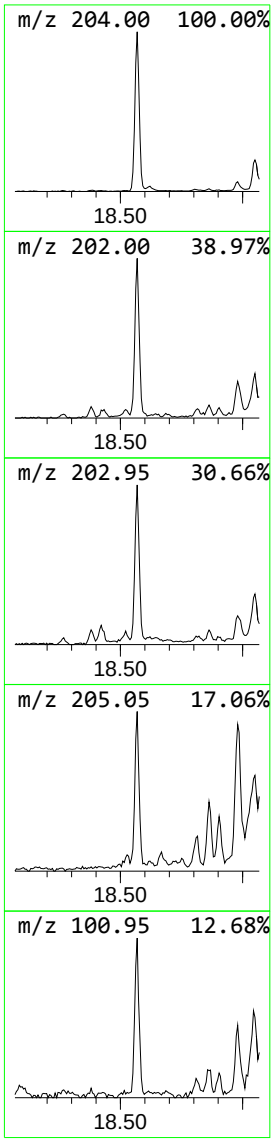
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Naphthalene, 2-phenyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.568 | 2.40 ng/ul | 321418 | Phenanthrene-d10 | 17.186 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 95 |
| 2 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 91 |
| 3 | 6-Phenylbenzocyclohepten-7-one | 232 | C17H12O | 093327-56-1 | 90 |
| 4 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 86 |
| 5 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 70 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081722\
Data File : BM036320.D
Acq On : 17 Aug 2022 17:23
Operator : CG/JU
Sample : N4173-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EX7P0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Quant Title : SVOA CALIBRATION

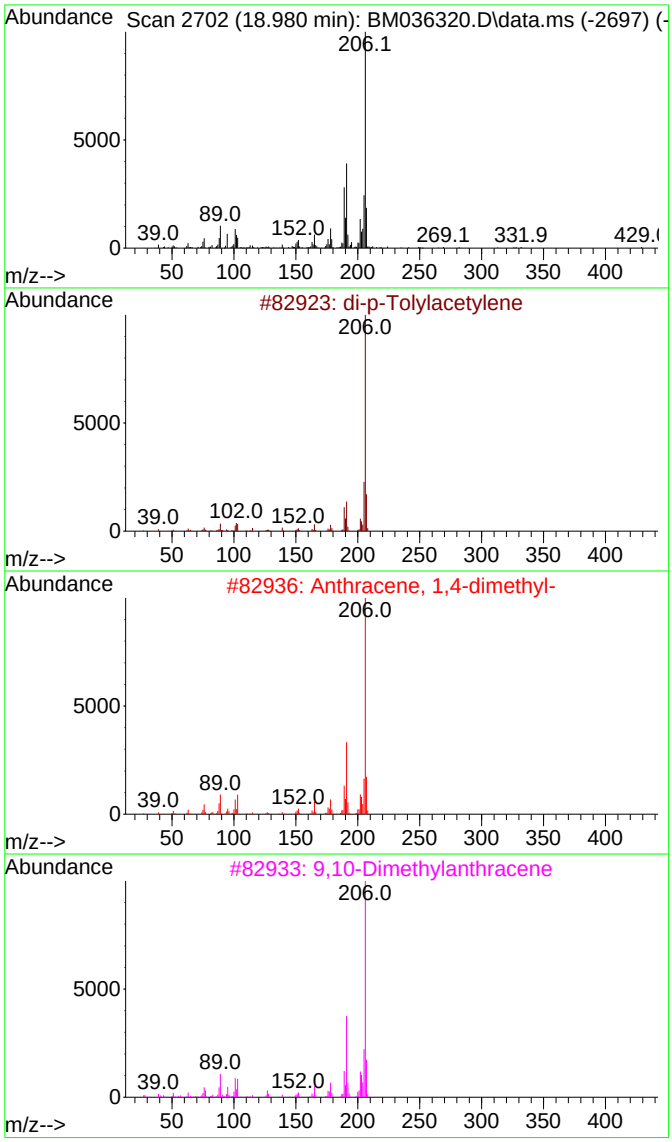
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

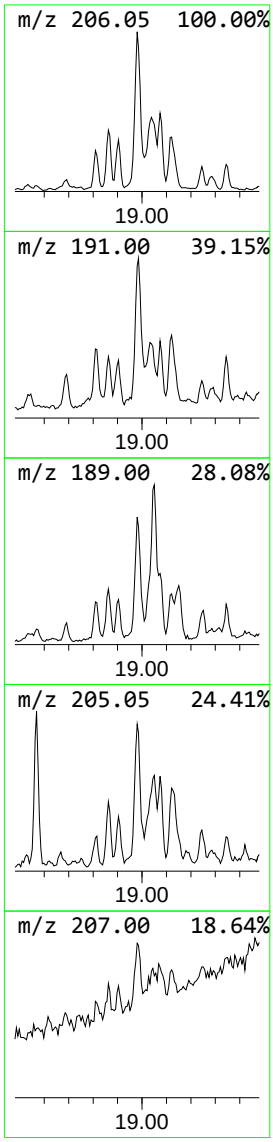
**********

Peak Number 6 di-p-Tolylacetylene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.980 | 2.61 ng/ul | 350004 | Phenanthrene-d10 | 17.186 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 94 |
| 2 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 93 |
| 3 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 91 |
| 4 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 91 |
| 5 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081722\
Data File : BM036320.D
Acq On : 17 Aug 2022 17:23
Operator : CG/JU
Sample : N4173-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EX7P0

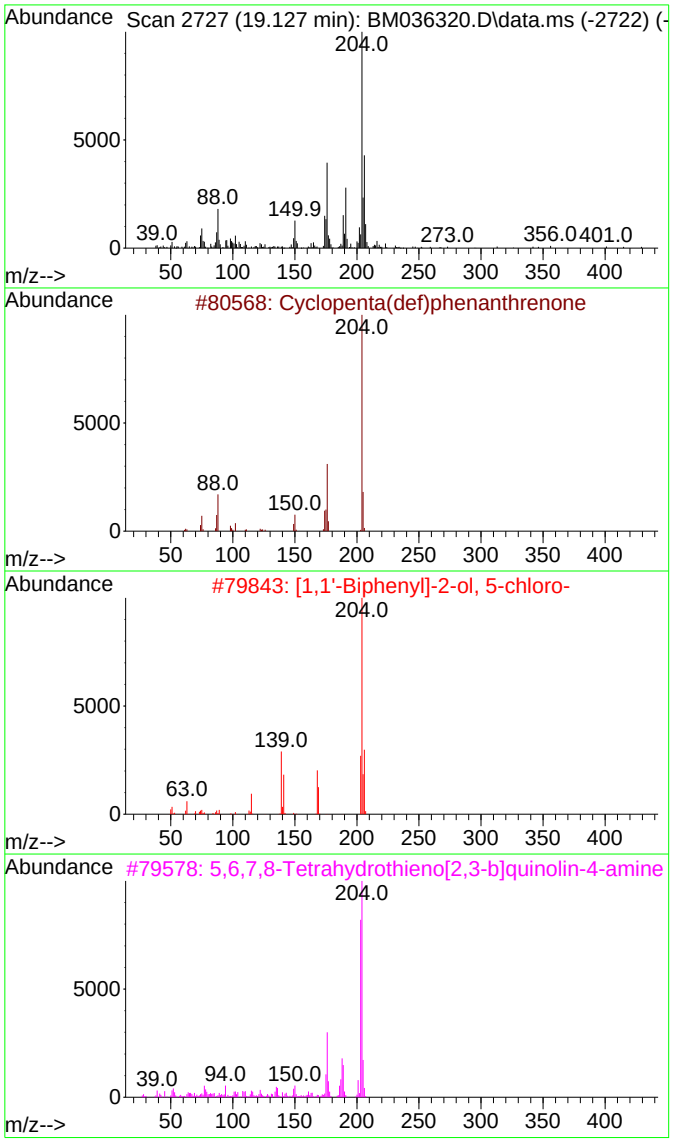
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Quant Title : SVOA CALIBRATION

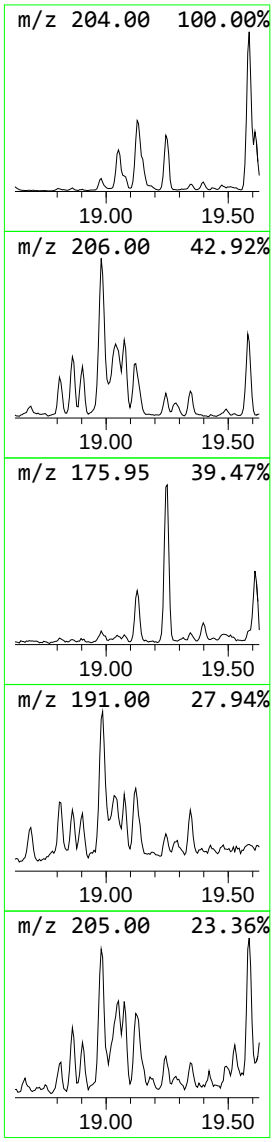
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.127 | 2.61 ng/ul | 350285 | Phenanthrene-d10 | 17.186 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 92 |
| 2 | [1,1'-Biphenyl]-2-ol, 5-chloro- | 204 | C12H9ClO | 000607-12-5 | 43 |
| 3 | 5,6,7,8-Tetrahydrothieno[2,3-b]q... | 204 | C11H12N2S | 122914-50-5 | 43 |
| 4 | 2-Chloro-4-phenylphenol | 204 | C12H9ClO | 000092-04-6 | 43 |
| 5 | [1,1'-Biphenyl]-4-ol, 4'-chloro- | 204 | C12H9ClO | 028034-99-3 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081722\
Data File : BM036320.D
Acq On : 17 Aug 2022 17:23
Operator : CG/JU
Sample : N4173-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EX7P0

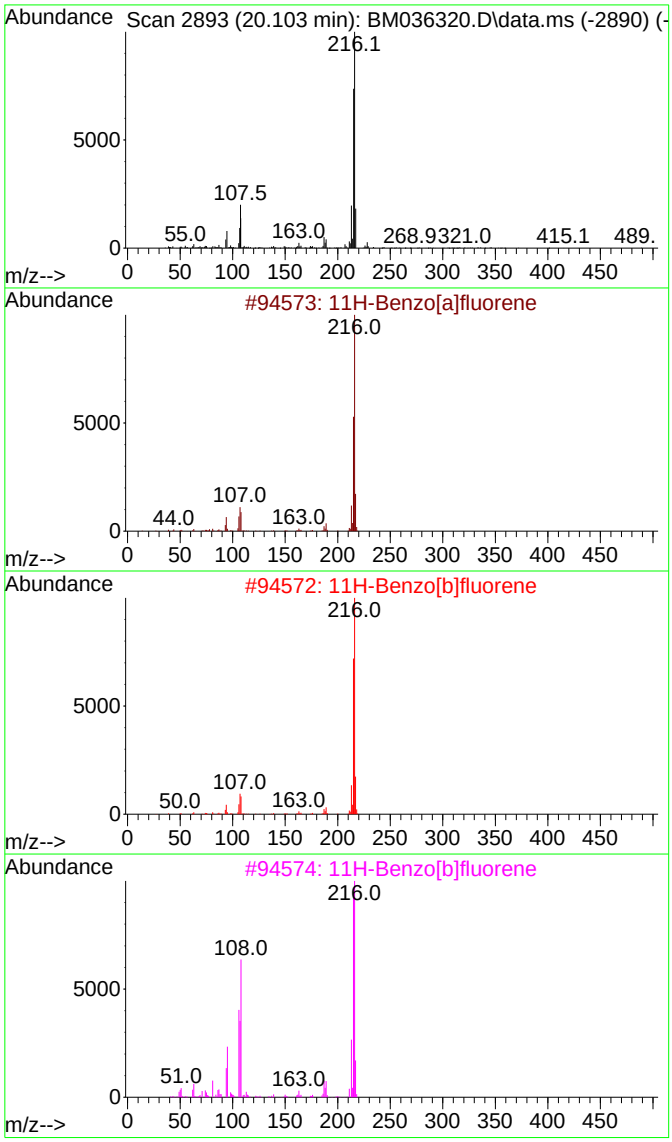
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Quant Title : SVOA CALIBRATION

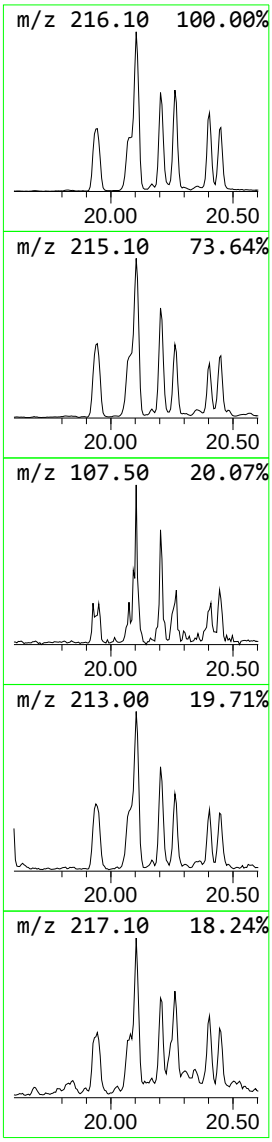
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 11H-Benzo[a]fluorene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.103 | 2.46 ng/ul | 706617 | Chrysene-d12 | 21.374 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 90 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 90 |
| 3 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 87 |
| 4 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 87 |
| 5 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081722\
Data File : BM036320.D
Acq On : 17 Aug 2022 17:23
Operator : CG/JU
Sample : N4173-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EX7P0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Quant Title : SVOA CALIBRATION

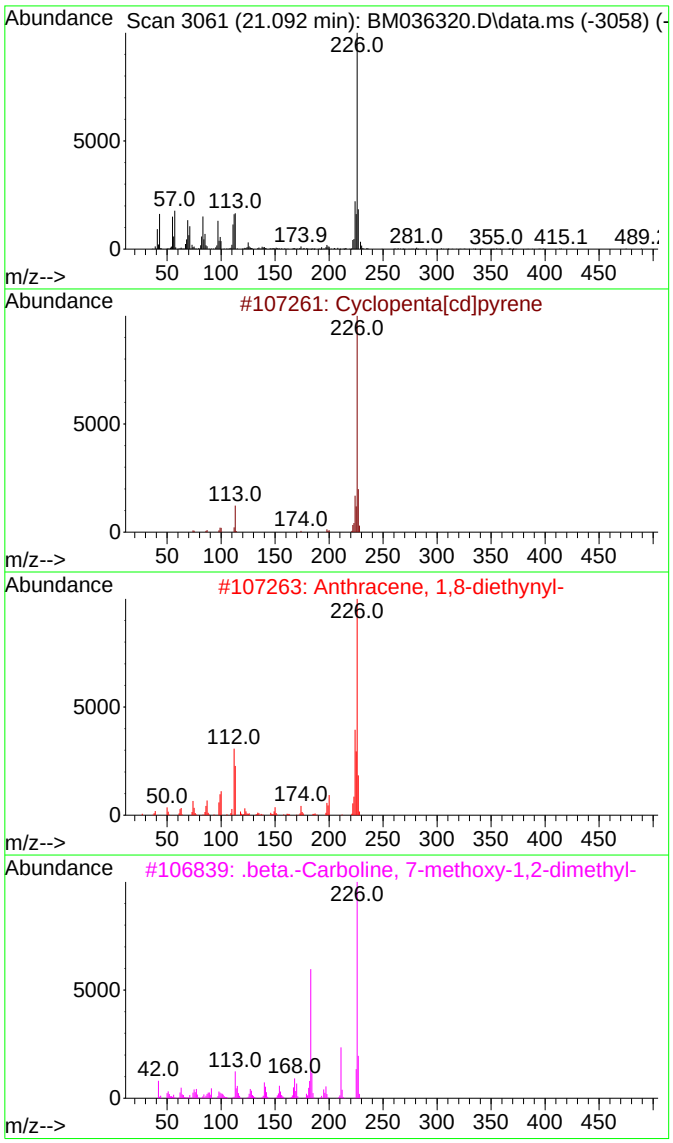
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

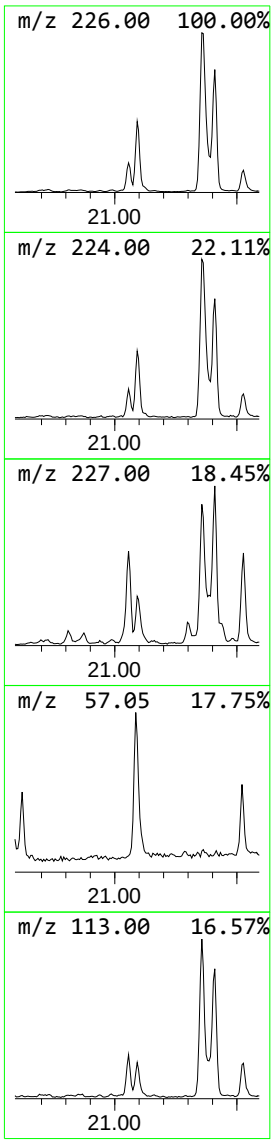
**********

Peak Number 9 Cyclopenta[cd]pyrene Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.092 | 2.58 ng/ul | 742972 | Chrysene-d12 | 21.374 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta[cd]pyrene | 226 | C18H10 | 027208-37-3 | 70 |
| 2 | Anthracene, 1,8-diethynyl- | 226 | C18H10 | 078053-58-4 | 50 |
| 3 | .beta.-Carboline, 7-methoxy-1,2-... | 226 | C14H14N2O | 006519-18-2 | 50 |
| 4 | benzenamine, 4-(2-benzothiazolyl)- | 226 | C13H10N2S | 1000400-93-4 | 50 |
| 5 | 4-Naphthalen-2-yl-thiazol-2-ylamine | 226 | C13H10N2S | 1000300-53-4 | 40 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081722\
Data File : BM036320.D
Acq On : 17 Aug 2022 17:23
Operator : CG/JU
Sample : N4173-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EX7P0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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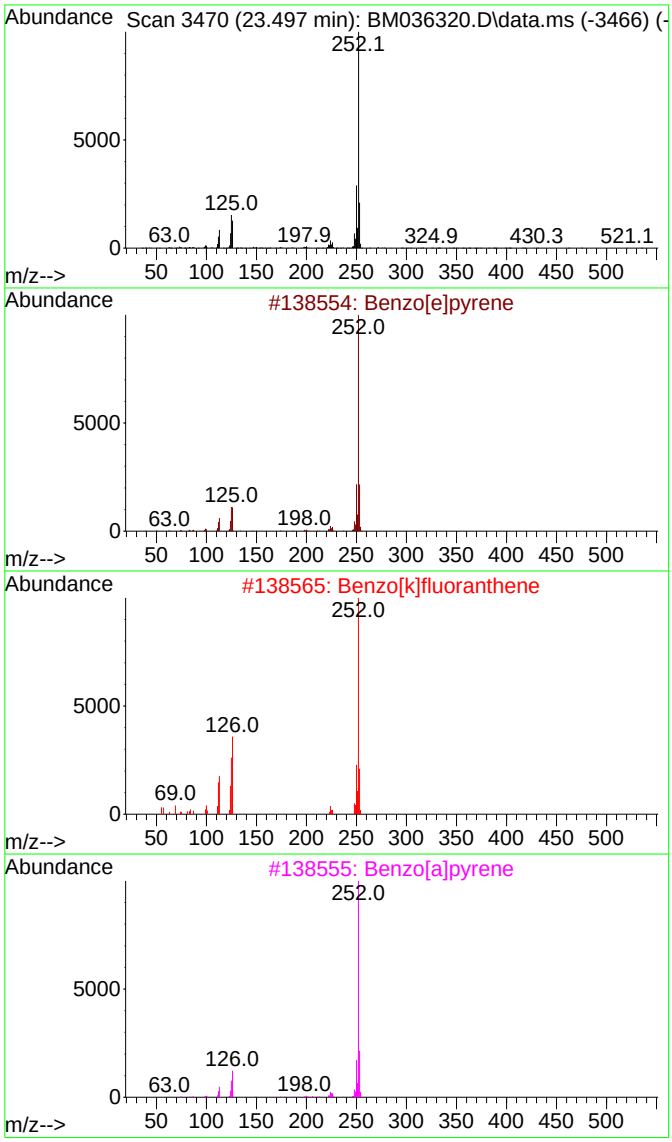
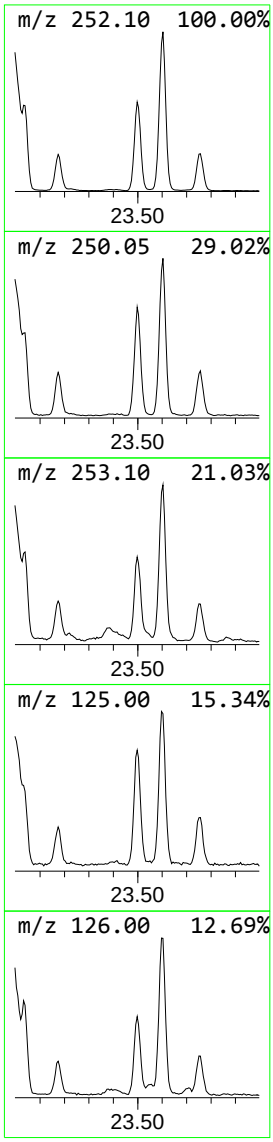
Peak Number 10 Benzo[e]pyrene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.497 | 8.67 ng/ul | 1007580 | Perylene-d12 | 23.703 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 99 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 95 |
| 3 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 94 |
| 4 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 93 |
| 5 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 93 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081722\
Data File : BM036320.D
Acq On : 17 Aug 2022 17:23
Operator : CG/JU
Sample : N4173-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EX7P0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Phenanthrene, 2... | 18.062 | 3.2 | ng/ul | 425544 | 4 | 17.186 | 2680220 | 20.0 |
| Phenanthrene, 4... | 18.109 | 4.6 | ng/ul | 616611 | 4 | 17.186 | 2680220 | 20.0 |
| 4H-Cyclopenta[d... | 18.262 | 5.9 | ng/ul | 788630 | 4 | 17.186 | 2680220 | 20.0 |
| Anthracene, 9-m... | 18.298 | 2.3 | ng/ul | 302547 | 4 | 17.186 | 2680220 | 20.0 |
| Naphthalene, 2-... | 18.568 | 2.4 | ng/ul | 321418 | 4 | 17.186 | 2680220 | 20.0 |
| di-p-Tolylacety... | 18.980 | 2.6 | ng/ul | 350004 | 4 | 17.186 | 2680220 | 20.0 |
| Cyclopenta(def)... | 19.127 | 2.6 | ng/ul | 350285 | 4 | 17.186 | 2680220 | 20.0 |
| 11H-Benzo[a]flu... | 20.103 | 2.5 | ng/ul | 706617 | 5 | 21.374 | 5752770 | 20.0 |
| Cyclopenta[cd]p... | 21.092 | 2.6 | ng/ul | 742972 | 5 | 21.374 | 5752770 | 20.0 |
| Benzo[e]pyrene | 23.497 | 8.7 | ng/ul | 1007580 | 6 | 23.703 | 2325430 | 20.0 |