LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

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_P\Methods\SFAM-EPA-BP081622.M
Title : SVOA CALIBRATION

Signal : TIC: BP011457.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.558 | 770 | 777 | 787 | rBV | 519210 | 784408 | 3.14% | 0.347% |
| 2 | 10.346 | 1240 | 1251 | 1255 | rBV | 732078 | 1169538 | 4.68% | 0.517% |
| 3 | 10.399 | 1255 | 1260 | 1267 | rVB | 623652 | 1014191 | 4.06% | 0.449% |
| 4 | 12.022 | 1527 | 1536 | 1544 | rBV | 340337 | 529973 | 2.12% | 0.234% |
| 5 | 12.246 | 1567 | 1574 | 1585 | rVB | 302782 | 478952 | 1.92% | 0.212% |
| 6 | 13.057 | 1705 | 1712 | 1722 | rBV | 129922 | 197426 | 0.79% | 0.087% |
| 7 | 13.546 | 1788 | 1795 | 1800 | rBV | 274232 | 465222 | 1.86% | 0.206% |
| 8 | 13.599 | 1800 | 1804 | 1809 | rVV | 166335 | 237425 | 0.95% | 0.105% |
| 9 | 13.787 | 1828 | 1836 | 1839 | rBV2 | 143924 | 238227 | 0.95% | 0.105% |
| 10 | 13.951 | 1853 | 1864 | 1877 | rBV | 927871 | 1564837 | 6.26% | 0.692% |
| 11 | 14.234 | 1902 | 1912 | 1917 | rBV | 983664 | 1544804 | 6.18% | 0.683% |
| 12 | 14.293 | 1917 | 1922 | 1931 | rVB | 432300 | 668731 | 2.68% | 0.296% |
| 13 | 14.634 | 1970 | 1980 | 1989 | rVV | 695630 | 1042875 | 4.17% | 0.461% |
| 14 | 14.857 | 2010 | 2018 | 2023 | rBV3 | 108354 | 211459 | 0.85% | 0.094% |
| 15 | 15.028 | 2039 | 2047 | 2051 | rBV | 92552 | 193823 | 0.78% | 0.086% |
| 16 | 15.234 | 2077 | 2082 | 2086 | rVB2 | 188471 | 262996 | 1.05% | 0.116% |
| 17 | 15.293 | 2086 | 2092 | 2097 | rBV | 806295 | 1187634 | 4.75% | 0.525% |
| 18 | 15.587 | 2137 | 2142 | 2153 | rVB | 336003 | 518788 | 2.08% | 0.229% |
| 19 | 15.740 | 2163 | 2168 | 2176 | rVB | 335947 | 679604 | 2.72% | 0.301% |
| 20 | 15.975 | 2203 | 2208 | 2215 | rBV2 | 138148 | 222799 | 0.89% | 0.099% |
| 21 | 16.304 | 2253 | 2264 | 2269 | rVV4 | 225675 | 605662 | 2.42% | 0.268% |
| 22 | 16.351 | 2269 | 2272 | 2278 | rVV | 139013 | 220814 | 0.88% | 0.098% |
| 23 | 16.540 | 2300 | 2304 | 2307 | rVV2 | 181341 | 252753 | 1.01% | 0.112% |
| 24 | 16.581 | 2307 | 2311 | 2314 | rVV2 | 177045 | 252261 | 1.01% | 0.112% |
| 25 | 16.663 | 2320 | 2325 | 2332 | rVB | 847040 | 1218658 | 4.88% | 0.539% |
| 26 | 16.740 | 2332 | 2338 | 2344 | rBV4 | 205257 | 506491 | 2.03% | 0.224% |
| 27 | 16.822 | 2347 | 2352 | 2357 | rVB | 668712 | 877123 | 3.51% | 0.388% |
| 28 | 17.004 | 2378 | 2383 | 2386 | rVV | 1016219 | 1535699 | 6.15% | 0.679% |
| 29 | 17.057 | 2386 | 2392 | 2397 | rVV | 13695160 | 19462181 | 77.90% | 8.608% |
| 30 | 17.110 | 2397 | 2401 | 2402 | rVV2 | 337852 | 435656 | 1.74% | 0.193% |
| 31 | 17.140 | 2402 | 2406 | 2412 | rVV | 1869023 | 2573276 | 10.30% | 1.138% |
| 32 | 17.198 | 2412 | 2416 | 2422 | rVB3 | 205099 | 331750 | 1.33% | 0.147% |
| 33 | 17.392 | 2444 | 2449 | 2450 | rBV | 227877 | 299860 | 1.20% | 0.133% |
| 34 | 17.422 | 2450 | 2454 | 2468 | rVV | 1152192 | 1752730 | 7.02% | 0.775% |
| 35 | 17.534 | 2468 | 2473 | 2479 | rVV3 | 320966 | 516574 | 2.07% | 0.228% |
| 36 | 17.592 | 2479 | 2483 | 2491 | rVB4 | 313739 | 545658 | 2.18% | 0.241% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

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_P\Methods\SFAM-EPA-BP081622.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 17.734 | 2504 | 2507 | 2512 | rVB | 142337 | 208188 | 0.83% | 0.092% |
| 38 | 17.887 | 2527 | 2533 | 2537 | rBV | 1476194 | 1998717 | 8.00% | 0.884% |
| 39 | 17.934 | 2537 | 2541 | 2547 | rVB | 2037935 | 2660966 | 10.65% | 1.177% |
| 40 | 18.010 | 2550 | 2554 | 2559 | rVB | 488335 | 635182 | 2.54% | 0.281% |
| 41 | 18.075 | 2559 | 2565 | 2569 | rBV2 | 1790631 | 3073668 | 12.30% | 1.359% |
| 42 | 18.110 | 2569 | 2571 | 2578 | rVB | 1076687 | 1264133 | 5.06% | 0.559% |
| 43 | 18.192 | 2579 | 2585 | 2589 | rBV4 | 172603 | 394727 | 1.58% | 0.175% |
| 44 | 18.228 | 2589 | 2591 | 2595 | rVB2 | 172927 | 201241 | 0.81% | 0.089% |
| 45 | 18.345 | 2604 | 2611 | 2613 | rBV5 | 118292 | 257122 | 1.03% | 0.114% |
| 46 | 18.381 | 2613 | 2617 | 2621 | rVV | 1174981 | 1553212 | 6.22% | 0.687% |
| 47 | 18.428 | 2621 | 2625 | 2630 | rVV | 2376972 | 2995674 | 11.99% | 1.325% |
| 48 | 18.616 | 2649 | 2657 | 2662 | rBV3 | 494548 | 836716 | 3.35% | 0.370% |
| 49 | 18.669 | 2662 | 2666 | 2669 | rVB | 299455 | 379234 | 1.52% | 0.168% |
| 50 | 18.704 | 2669 | 2672 | 2677 | rVB | 270503 | 335324 | 1.34% | 0.148% |
| 51 | 18.787 | 2681 | 2686 | 2692 | rBV2 | 640713 | 1399129 | 5.60% | 0.619% |
| 52 | 18.881 | 2699 | 2702 | 2705 | rVB | 287952 | 331806 | 1.33% | 0.147% |
| 53 | 18.928 | 2705 | 2710 | 2717 | rVB2 | 1060297 | 1598699 | 6.40% | 0.707% |
| 54 | 19.057 | 2724 | 2732 | 2736 | rBV | 18035946 | 24375955 | 97.56% | 10.781% |
| 55 | 19.110 | 2738 | 2741 | 2744 | rBV2 | 206459 | 280671 | 1.12% | 0.124% |
| 56 | 19.145 | 2744 | 2747 | 2751 | rVB3 | 349517 | 419476 | 1.68% | 0.186% |
| 57 | 19.192 | 2751 | 2755 | 2759 | rVB | 760788 | 893960 | 3.58% | 0.395% |
| 58 | 19.251 | 2759 | 2765 | 2767 | rBV3 | 481054 | 766572 | 3.07% | 0.339% |
| 59 | 19.281 | 2767 | 2770 | 2774 | rVB | 459160 | 610103 | 2.44% | 0.270% |
| 60 | 19.410 | 2781 | 2792 | 2798 | rBV | 15521233 | 24984661 | 100.00% | 11.051% |
| 61 | 19.469 | 2798 | 2802 | 2809 | rVB3 | 703516 | 1113589 | 4.46% | 0.493% |
| 62 | 19.575 | 2815 | 2820 | 2826 | rBV | 803108 | 1206088 | 4.83% | 0.533% |
| 63 | 19.639 | 2826 | 2831 | 2836 | rVB | 777412 | 1150362 | 4.60% | 0.509% |
| 64 | 19.728 | 2838 | 2846 | 2851 | rBV4 | 866684 | 2118045 | 8.48% | 0.937% |
| 65 | 19.775 | 2851 | 2854 | 2857 | rVV | 222911 | 281517 | 1.13% | 0.125% |
| 66 | 19.810 | 2857 | 2860 | 2862 | rVB2 | 223177 | 240515 | 0.96% | 0.106% |
| 67 | 19.851 | 2862 | 2867 | 2869 | rBV5 | 722997 | 1136267 | 4.55% | 0.503% |
| 68 | 19.886 | 2870 | 2873 | 2877 | rVB | 955883 | 1239526 | 4.96% | 0.548% |
| 69 | 19.986 | 2886 | 2890 | 2893 | rBV2 | 472449 | 610706 | 2.44% | 0.270% |
| 70 | 20.039 | 2893 | 2899 | 2903 | rVV2 | 1270903 | 2217802 | 8.88% | 0.981% |
| 71 | 20.086 | 2903 | 2907 | 2909 | rVV3 | 382401 | 619188 | 2.48% | 0.274% |
| 72 | 20.122 | 2910 | 2913 | 2918 | rVV3 | 516365 | 1114284 | 4.46% | 0.493% |
| 73 | 20.181 | 2919 | 2923 | 2926 | rVV | 969774 | 1668398 | 6.68% | 0.738% |
| 74 | 20.222 | 2927 | 2930 | 2941 | rVB3 | 1066072 | 2347511 | 9.40% | 1.038% |
| 75 | 20.539 | 2981 | 2984 | 2986 | rBV2 | 195626 | 223302 | 0.89% | 0.099% |
| 76 | 20.628 | 2994 | 2999 | 3008 | rBV2 | 1628200 | 2701694 | 10.81% | 1.195% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

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_P\Methods\SFAM-EPA-BP081622.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 20.786 | 3022 | 3026 | 3029 | rVB2 | 888701 | 1248106 | 5.00% | 0.552% |
| 78 | 20.828 | 3029 | 3033 | 3036 | rVV | 1249469 | 1479694 | 5.92% | 0.654% |
| 79 | 20.863 | 3036 | 3039 | 3045 | rVV2 | 1341254 | 2545917 | 10.19% | 1.126% |
| 80 | 20.922 | 3045 | 3049 | 3060 | rVB | 1683376 | 2747908 | 11.00% | 1.215% |
| 81 | 21.128 | 3076 | 3084 | 3089 | rBV3 | 7648435 | 12910741 | 51.67% | 5.710% |
| 82 | 21.181 | 3089 | 3093 | 3102 | rVB | 7498149 | 10054241 | 40.24% | 4.447% |
| 83 | 21.292 | 3109 | 3112 | 3117 | rVB2 | 589120 | 752447 | 3.01% | 0.333% |
| 84 | 21.345 | 3117 | 3121 | 3126 | rBV2 | 635261 | 792883 | 3.17% | 0.351% |
| 85 | 21.457 | 3134 | 3140 | 3144 | rVV3 | 723607 | 1233490 | 4.94% | 0.546% |
| 86 | 21.498 | 3144 | 3147 | 3152 | rVB3 | 348061 | 435406 | 1.74% | 0.193% |
| 87 | 21.633 | 3167 | 3170 | 3174 | rBV3 | 307235 | 406642 | 1.63% | 0.180% |
| 88 | 21.692 | 3174 | 3180 | 3184 | rVB | 955921 | 1459943 | 5.84% | 0.646% |
| 89 | 21.745 | 3185 | 3189 | 3195 | rBV2 | 732324 | 1317788 | 5.27% | 0.583% |
| 90 | 21.892 | 3211 | 3214 | 3217 | rBV3 | 518580 | 685192 | 2.74% | 0.303% |
| 91 | 22.186 | 3261 | 3264 | 3268 | rBV3 | 235011 | 377663 | 1.51% | 0.167% |
| 92 | 22.757 | 3352 | 3361 | 3365 | rBV | 5397729 | 12997086 | 52.02% | 5.749% |
| 93 | 22.922 | 3384 | 3389 | 3400 | rVB2 | 1353333 | 2810218 | 11.25% | 1.243% |
| 94 | 23.063 | 3408 | 3413 | 3423 | rBV4 | 419245 | 1354091 | 5.42% | 0.599% |
| 95 | 23.245 | 3437 | 3444 | 3454 | rVB | 3181343 | 6515558 | 26.08% | 2.882% |
| 96 | 23.351 | 3454 | 3462 | 3468 | rVB | 5003659 | 9574320 | 38.32% | 4.235% |
| 97 | 23.439 | 3473 | 3477 | 3481 | rVV | 751090 | 1398179 | 5.60% | 0.618% |
| 98 | 23.492 | 3481 | 3486 | 3494 | rVB | 1375395 | 2819348 | 11.28% | 1.247% |
| 99 | 25.827 | 3872 | 3883 | 3893 | rVB2 | 2462521 | 7513363 | 30.07% | 3.323% |
| 100 | 26.557 | 3996 | 4007 | 4024 | rVB | 1623712 | 5615912 | 22.48% | 2.484% |

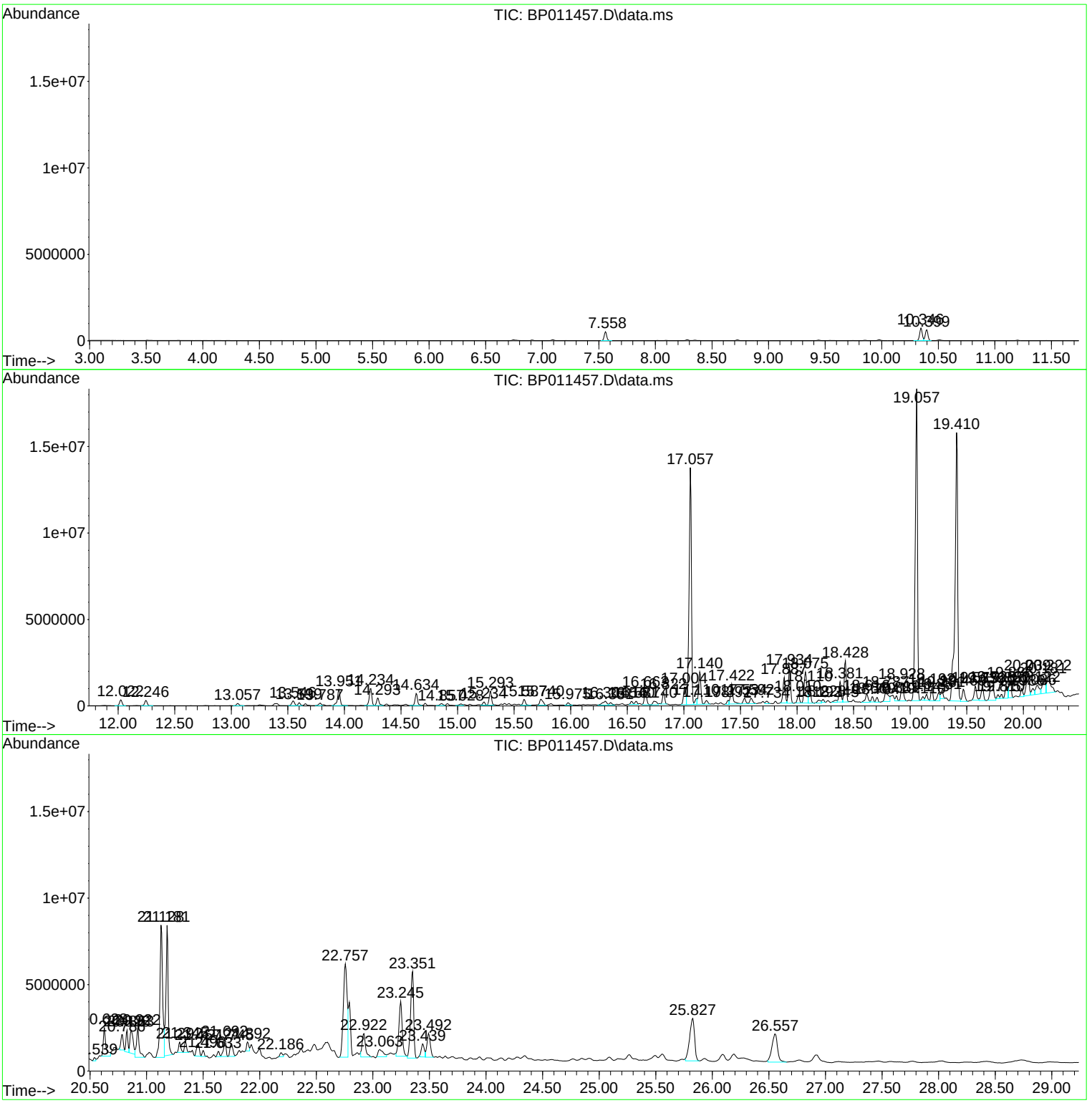
Sum of corrected areas: 226090924

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

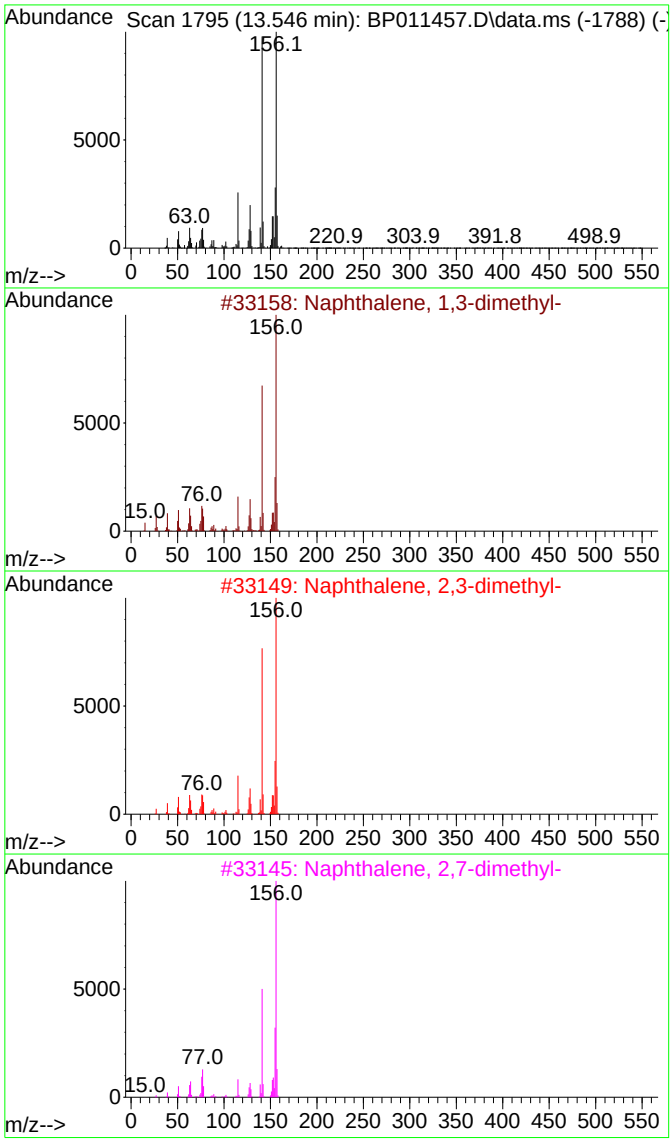
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

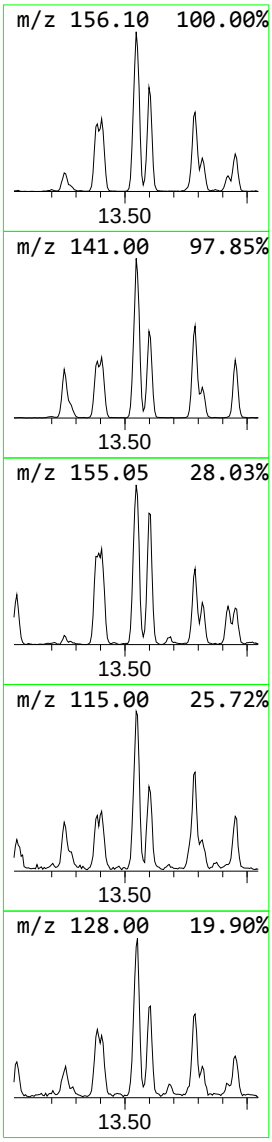
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Naphthalene, 1,3-dimethyl- Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.546 | 6.02 ng/ul | 465222 | Acenaphthene-d10 | 14.234 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 97 |
| 2 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 96 |
| 3 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 95 |
| 4 | Naphthalene, 1,2-dimethyl- | 156 | C12H12 | 000573-98-8 | 95 |
| 5 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

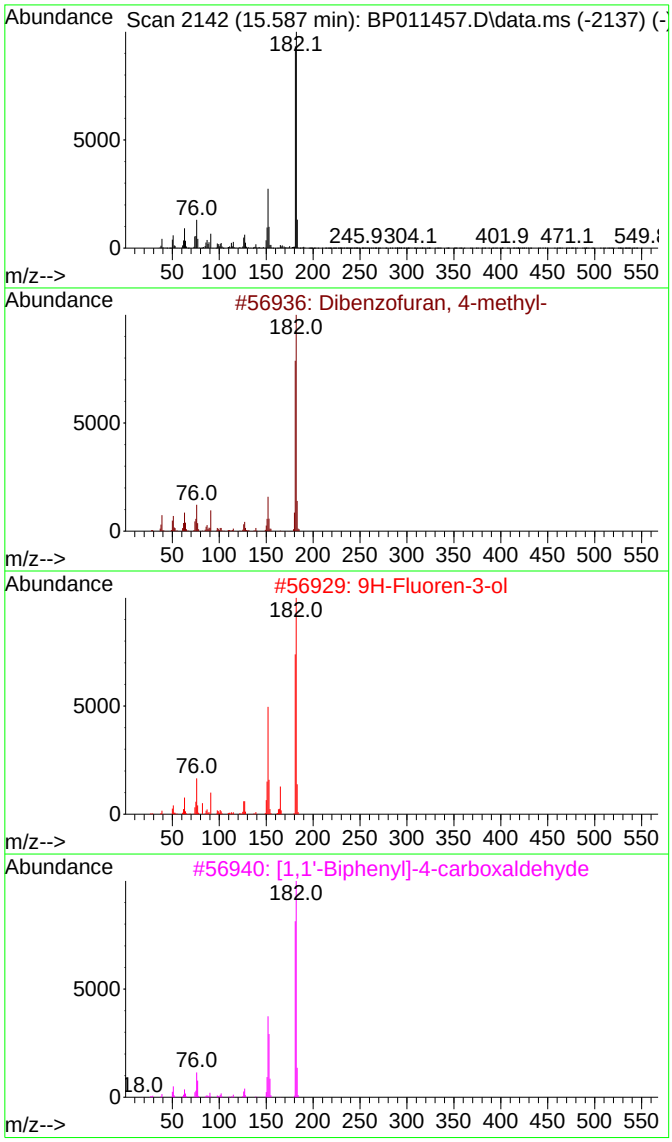
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

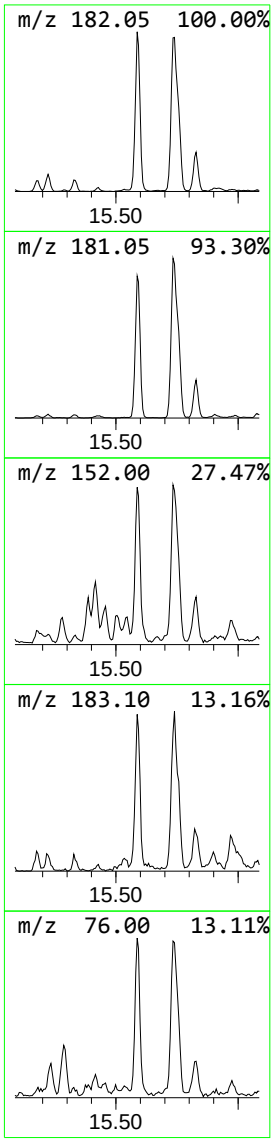
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Dibenzofuran, 4-methyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.587 | 6.72 ng/ul | 518788 | Acenaphthene-d10 | 14.234 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzofuran, 4-methyl- | 182 | C13H10O | 007320-53-8 | 93 |
| 2 | 9H-Fluoren-3-ol | 182 | C13H10O | 006344-67-8 | 91 |
| 3 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 87 |
| 4 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 83 |
| 5 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 78 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

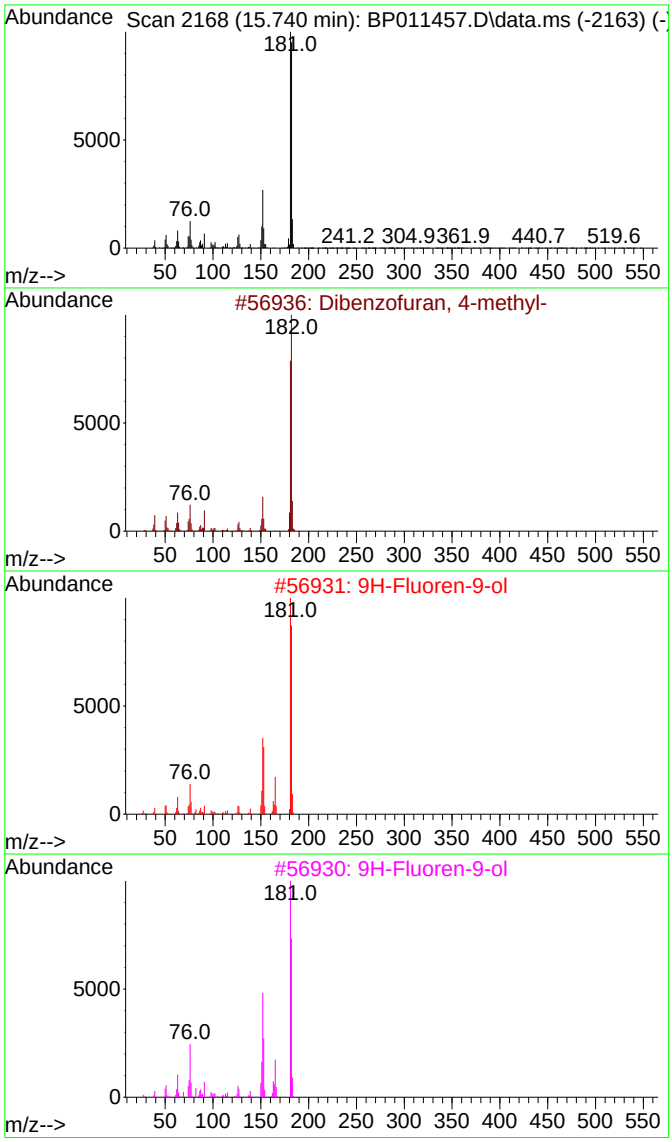
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

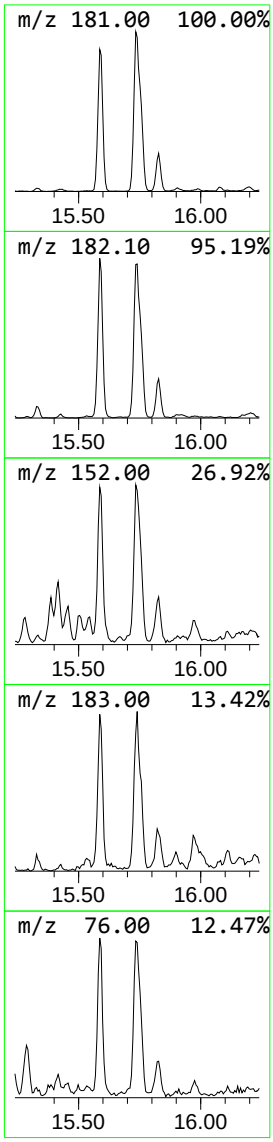
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 9H-Fluoren-9-ol Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.740 | 8.85 ng/ul | 679604 | Phenanthrene-d10 | 17.004 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzofuran, 4-methyl- | 182 | C13H10O | 007320-53-8 | 94 |
| 2 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 90 |
| 3 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 86 |
| 4 | 9H-Fluoren-3-ol | 182 | C13H10O | 006344-67-8 | 81 |
| 5 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

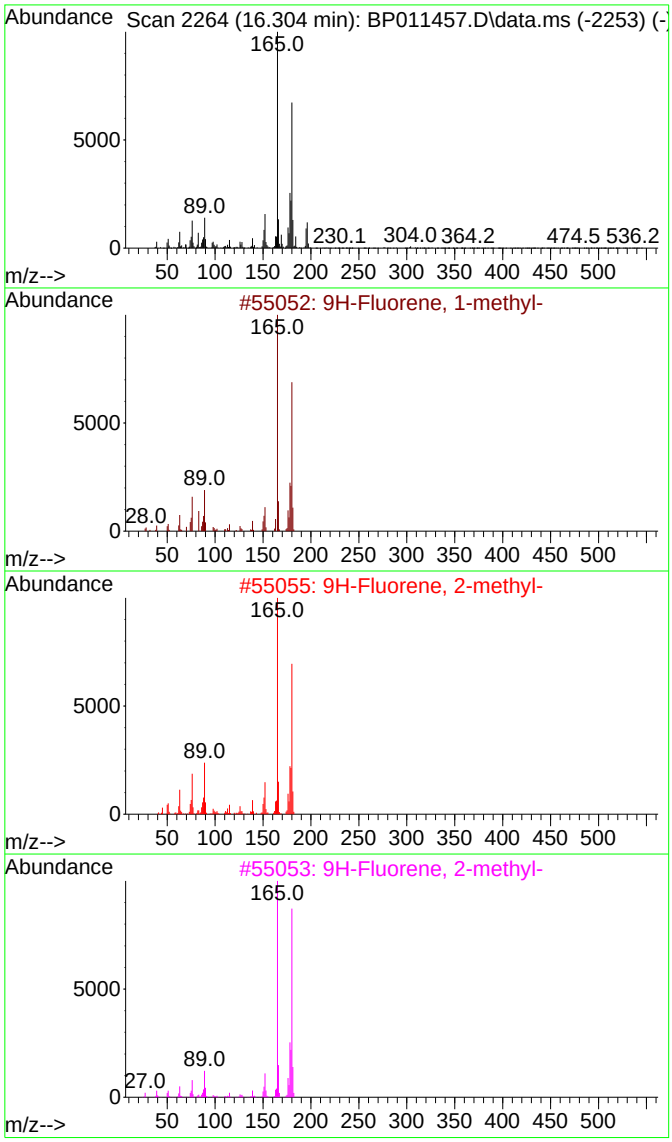
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

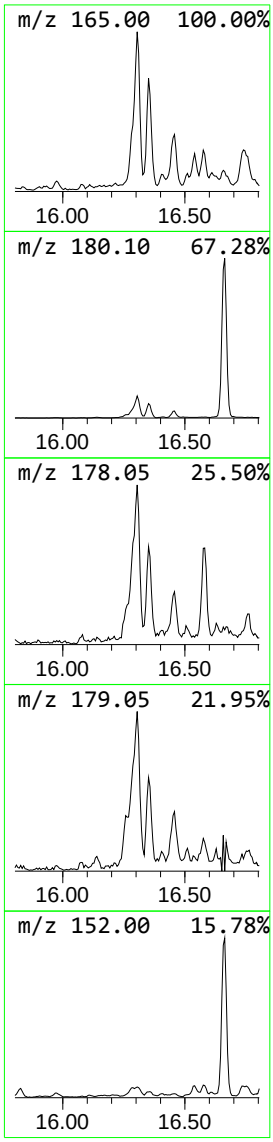
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 9H-Fluorene, 1-methyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.304 | 7.89 ng/ul | 605662 | Phenanthrene-d10 | 17.004 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 98 |
| 2 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 97 |
| 3 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 96 |
| 4 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 95 |
| 5 | 9H-Fluorene, 4-methyl- | 180 | C14H12 | 001556-99-6 | 89 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

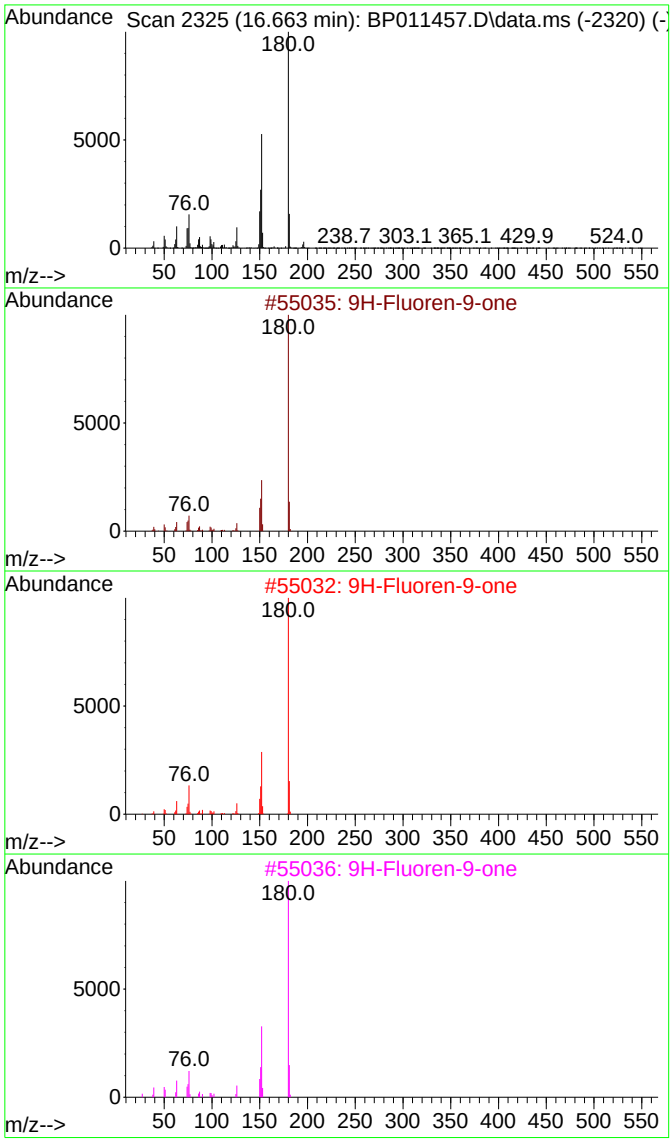
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

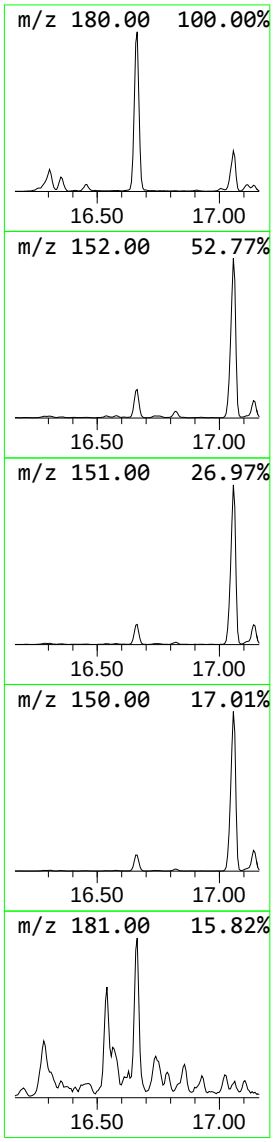
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 9H-Fluoren-9-one Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.663 | 15.87 ng/ul | 1218660 | Phenanthrene-d10 | 17.004 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 97 |
| 2 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 94 |
| 3 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 94 |
| 4 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 93 |
| 5 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

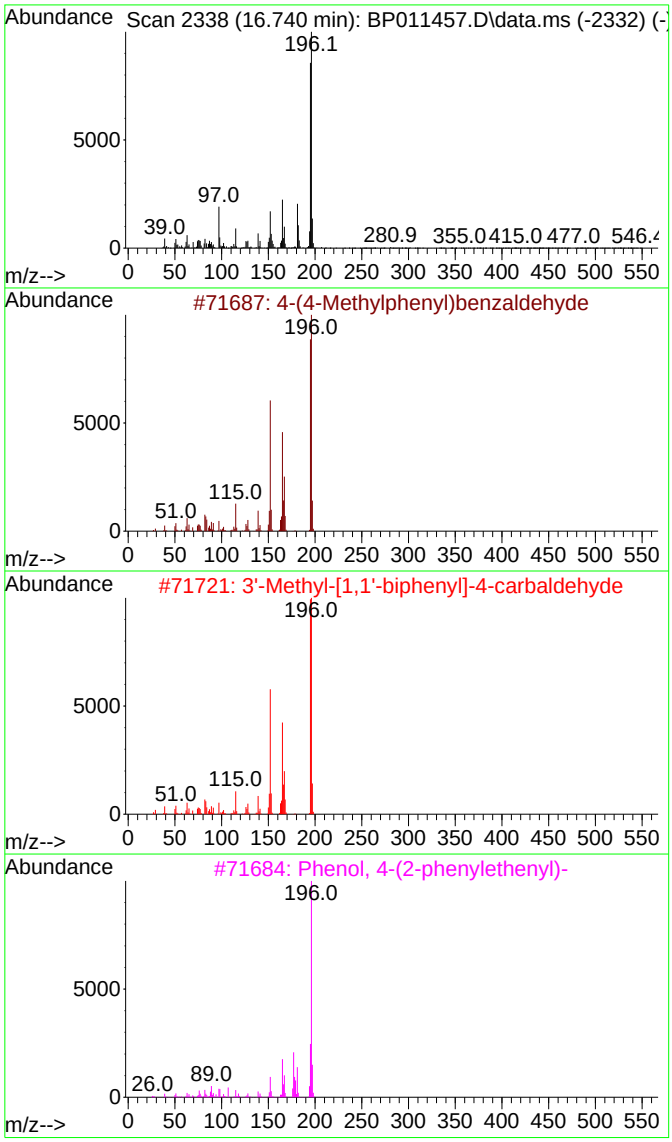
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

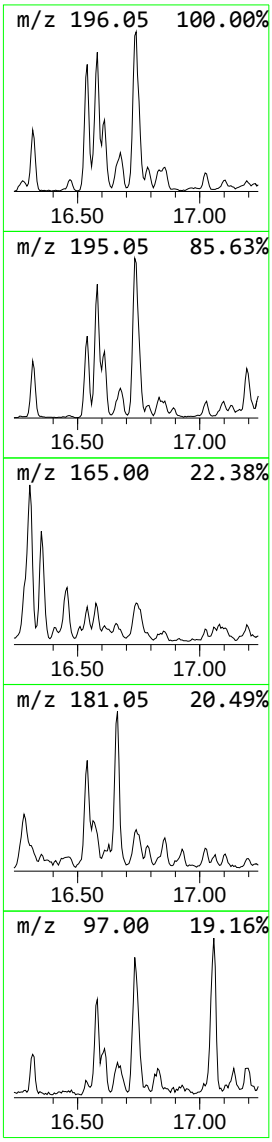
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 4-(4-Methylphenyl)benzaldehyde Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.740 | 6.60 ng/ul | 506491 | Phenanthrene-d10 | 17.004 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-(4-Methylphenyl)benzaldehyde | 196 | C14H12O | 036393-42-7 | 81 |
| 2 | 3'-Methyl-[1,1'-biphenyl]-4-carb... | 196 | C14H12O | 400744-83-4 | 76 |
| 3 | Phenol, 4-(2-phenylethenyl)- | 196 | C14H12O | 003839-46-1 | 58 |
| 4 | Benzo[b]benzofuran-2-carboxaldehyde | 196 | C13H8O2 | 1000351-56-0 | 52 |
| 5 | 2,4,6-Trimethoxybenzaldehyde | 196 | C10H12O4 | 000830-79-5 | 52 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

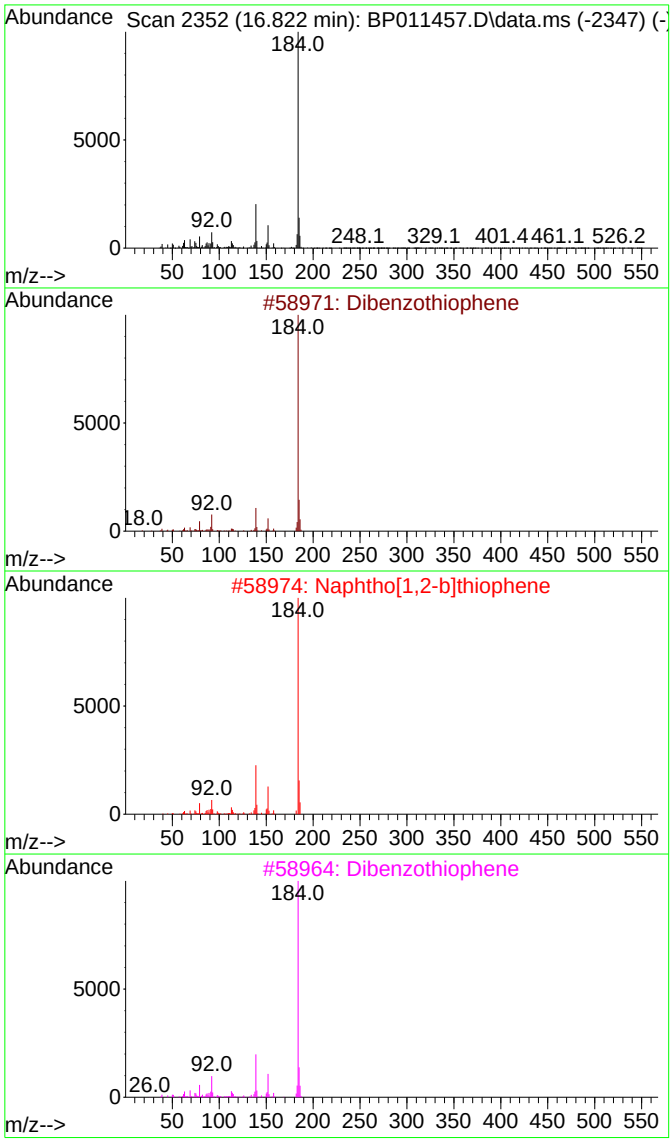
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

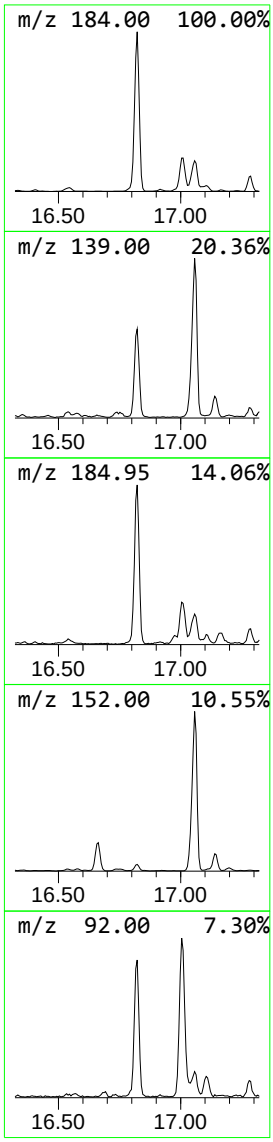
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 Dibenzothiophene Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.822 | 11.42 ng/ul | 877123 | Phenanthrene-d10 | 17.004 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 97 |
| 2 | Naphtho[1,2-b]thiophene | 184 | C12H8S | 000234-41-3 | 97 |
| 3 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 97 |
| 4 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 97 |
| 5 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 97 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

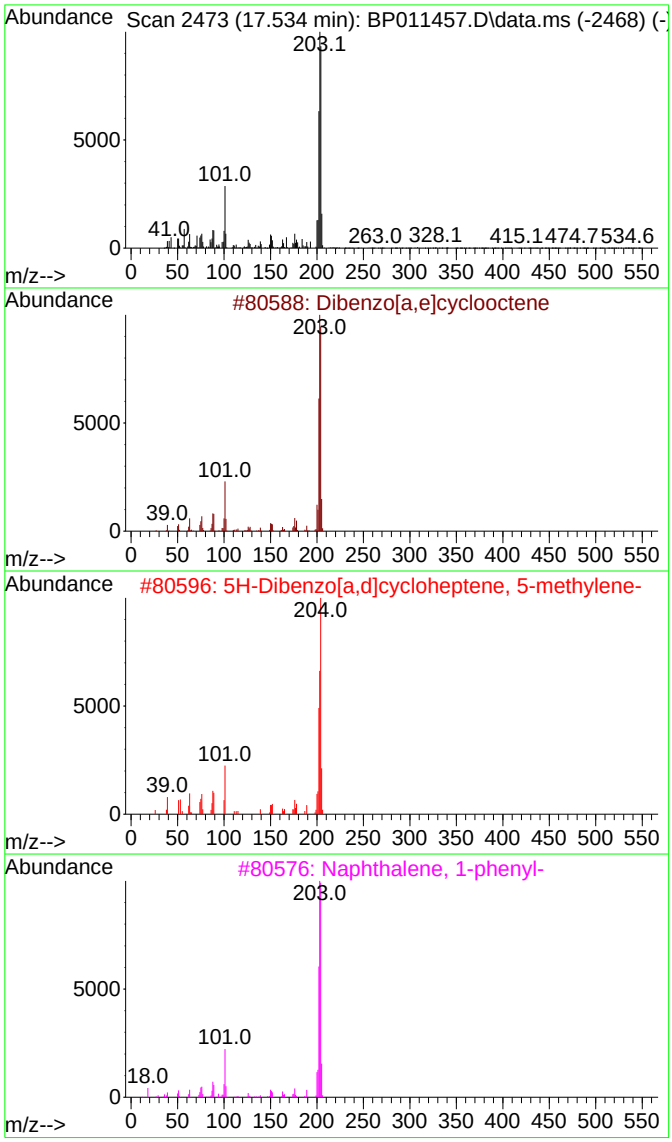
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

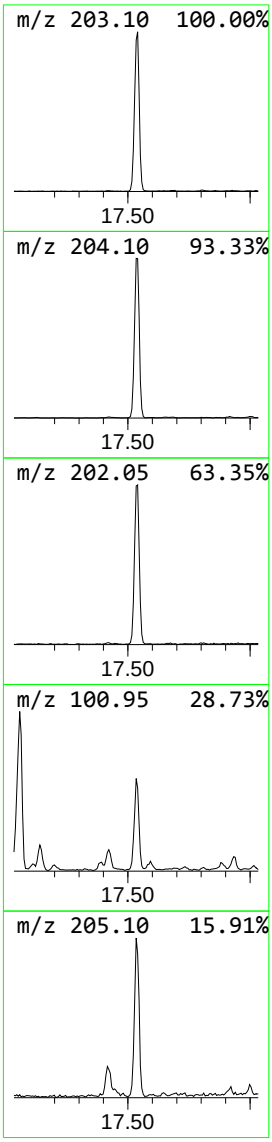
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 Dibenzo[a,e]cyclooctene Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.534 | 6.73 ng/ul | 516574 | Phenanthrene-d10 | 17.004 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzo[a,e]cyclooctene | 204 | C16H12 | 000262-89-5 | 98 |
| 2 | 5H-Dibenzo[a,d]cycloheptene, 5-m... | 204 | C16H12 | 002975-79-3 | 95 |
| 3 | Naphthalene, 1-phenyl- | 204 | C16H12 | 000605-02-7 | 95 |
| 4 | 1H-Indene, 1-(phenylmethylene)- | 204 | C16H12 | 005394-86-5 | 94 |
| 5 | Naphthalene, 1-phenyl- | 204 | C16H12 | 000605-02-7 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

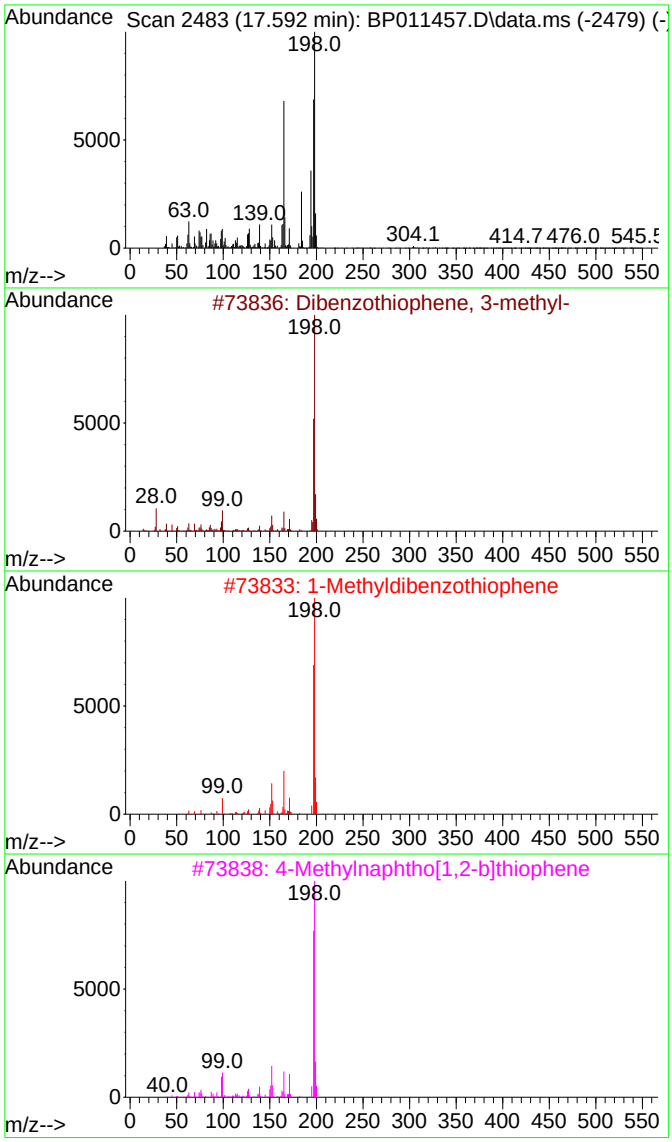
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

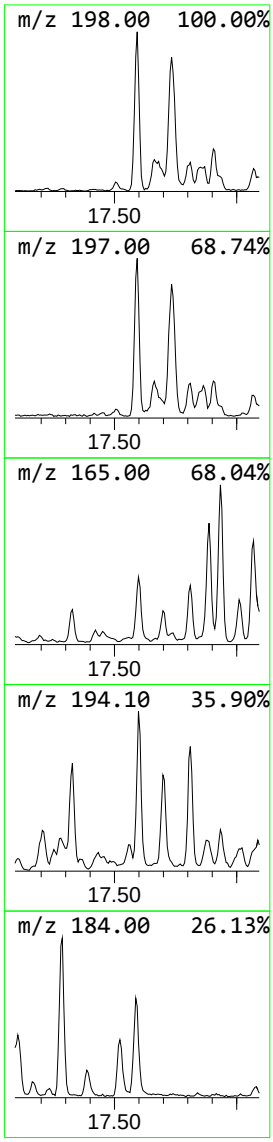
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 Dibenzothiophene, 3-methyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.592 | 7.11 ng/ul | 545658 | Phenanthrene-d10 | 17.004 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene, 3-methyl- | 198 | C13H10S | 016587-52-3 | 91 |
| 2 | 1-Methyldibenzothiophene | 198 | C13H10S | 031317-07-4 | 90 |
| 3 | 4-Methylnaphtho[1,2-b]thiophene | 198 | C13H10S | 067388-11-8 | 78 |
| 4 | 2-Methyldibenzothiophene | 198 | C13H10S | 1000383-55-1 | 64 |
| 5 | Thioxanthene | 198 | C13H10S | 000261-31-4 | 55 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

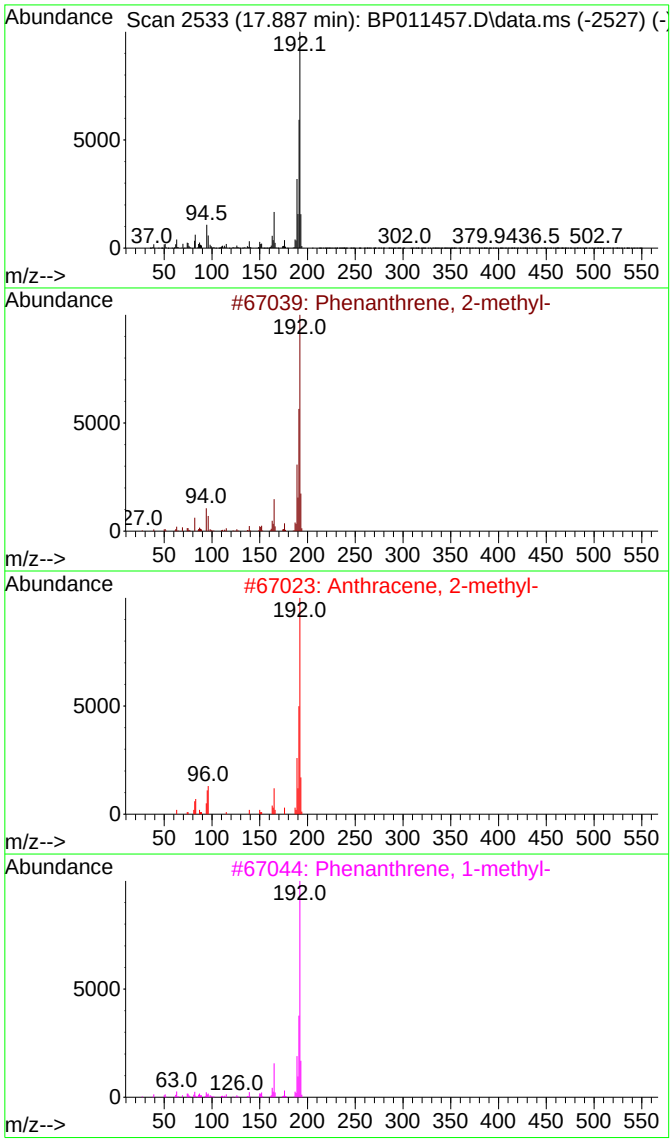
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

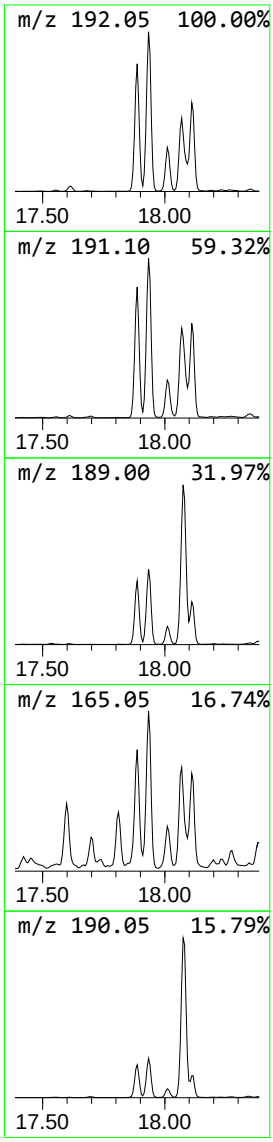
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 20 Phenanthrene, 2-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.887 | 26.03 ng/ul | 1998720 | Phenanthrene-d10 | 17.004 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 98 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 95 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 94 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

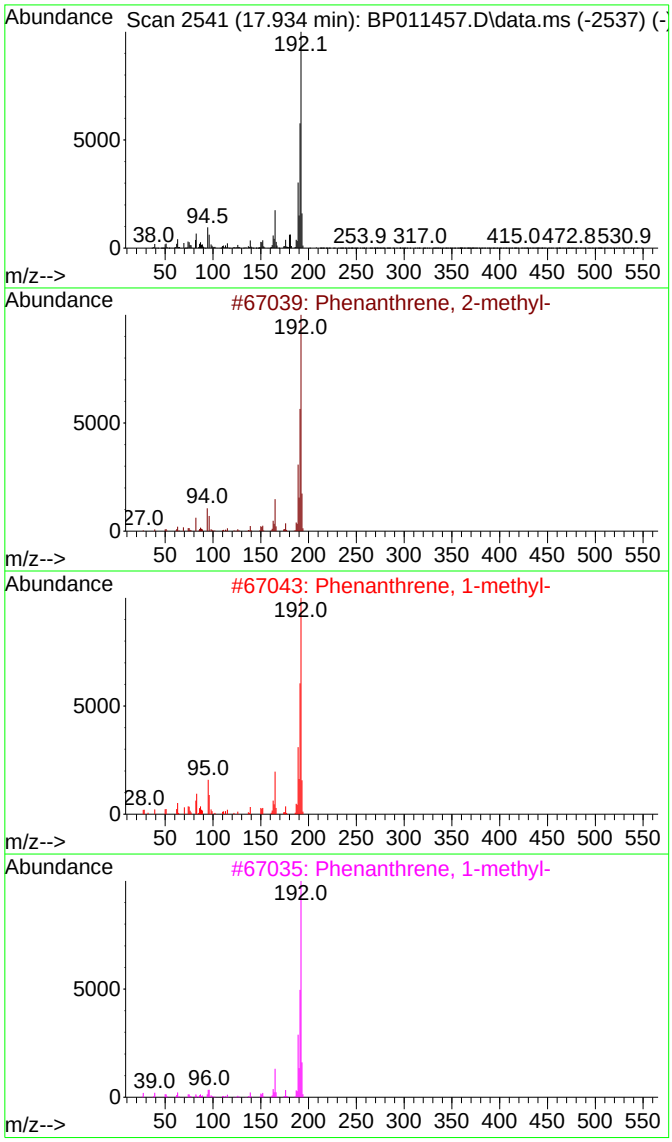
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

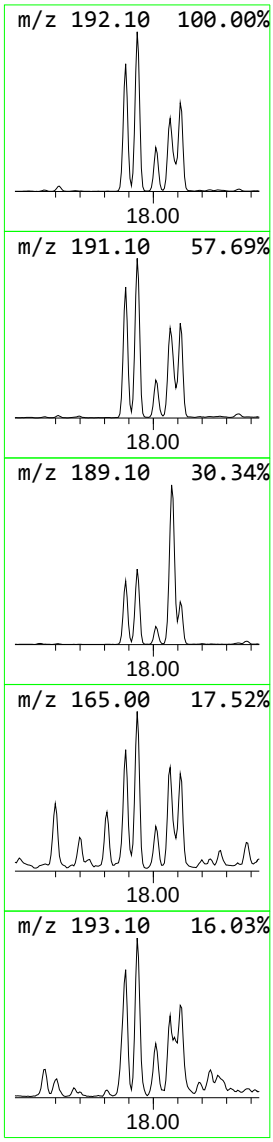
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 21 Phenanthrene, 1-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.934 | 34.65 ng/ul | 2660970 | Phenanthrene-d10 | 17.004 |

| 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 | 96 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |
| 5 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

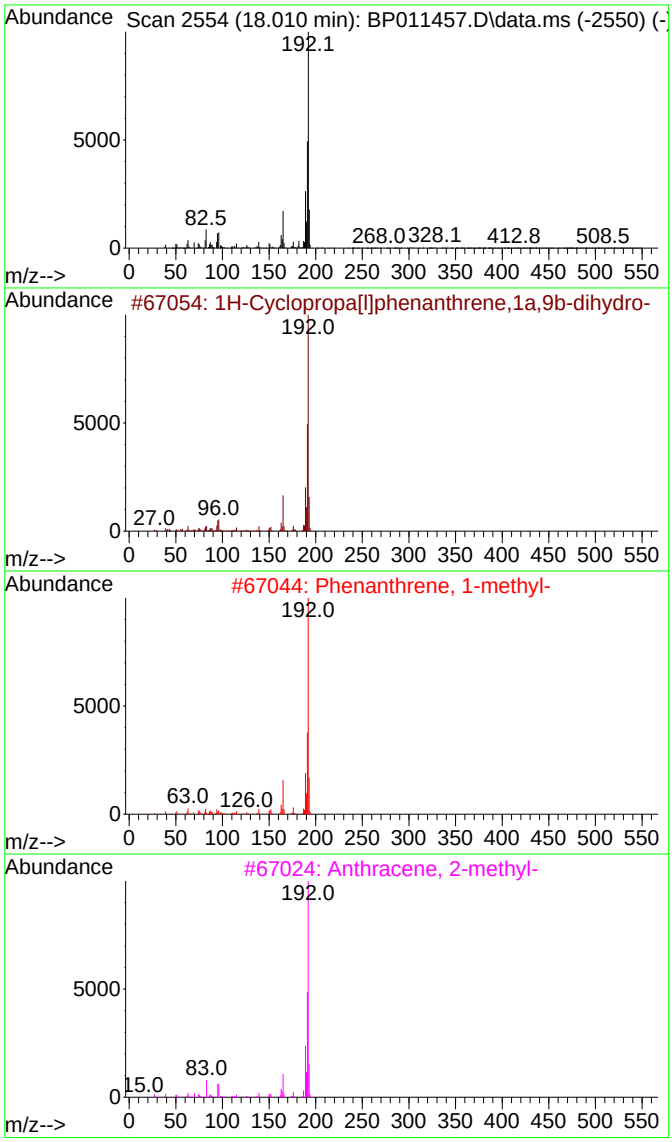
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

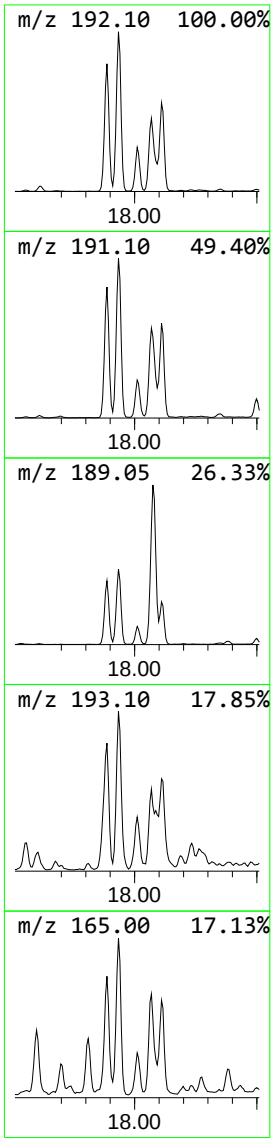
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 22 1H-Cyclopropa[l]phenanthren... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.010 | 8.27 ng/ul | 635182 | Phenanthrene-d10 | 17.004 |

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

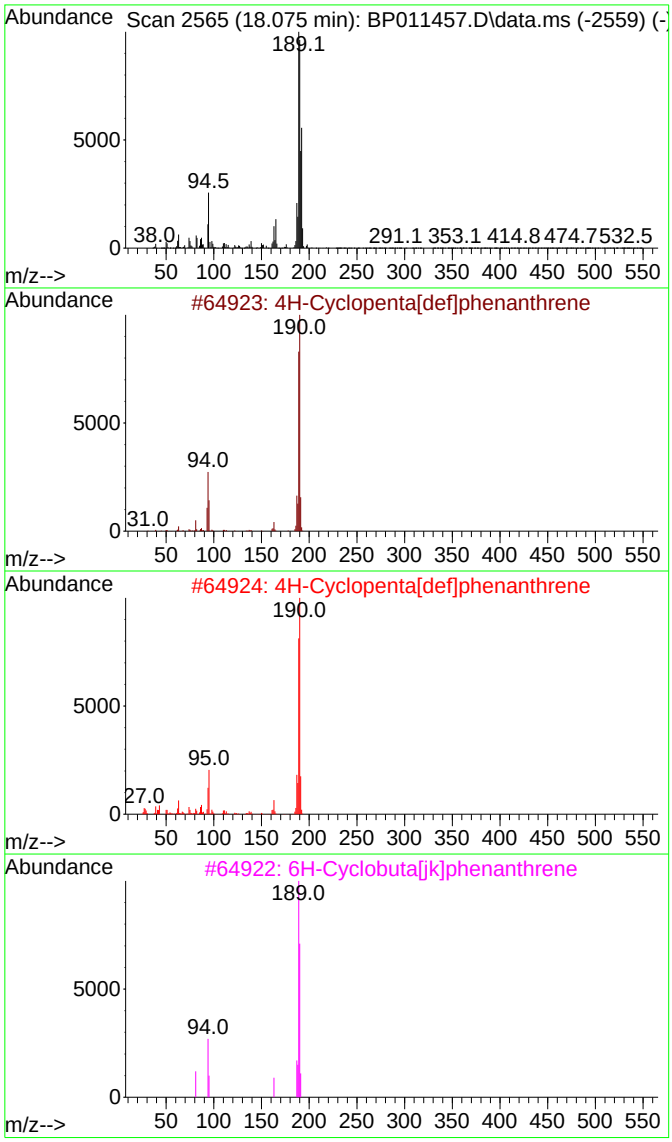
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

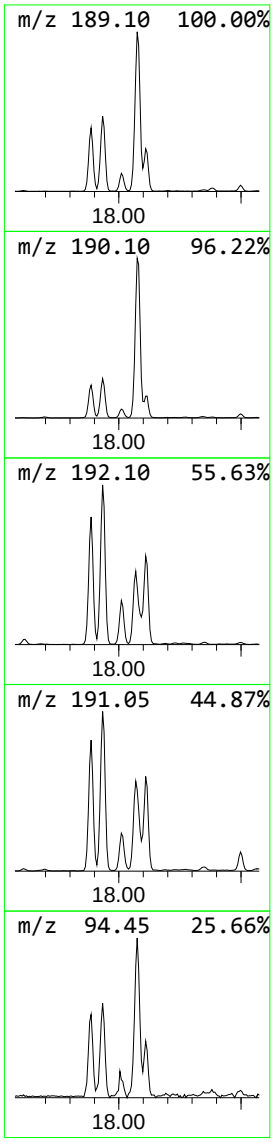
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 23 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.075 | 40.03 ng/ul | 3073670 | Phenanthrene-d10 | 17.004 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 70 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 60 |
| 3 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 58 |
| 4 | Naphtho[2,3-b]norbornadiene | 192 | C15H12 | 107426-38-0 | 35 |
| 5 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 35 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

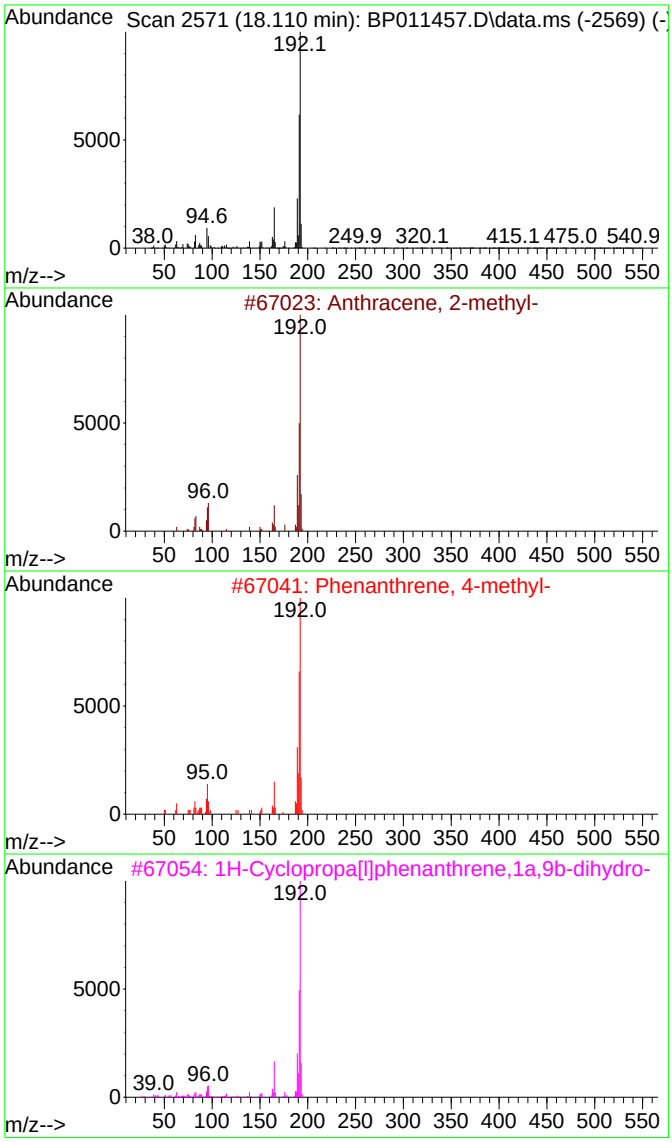
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

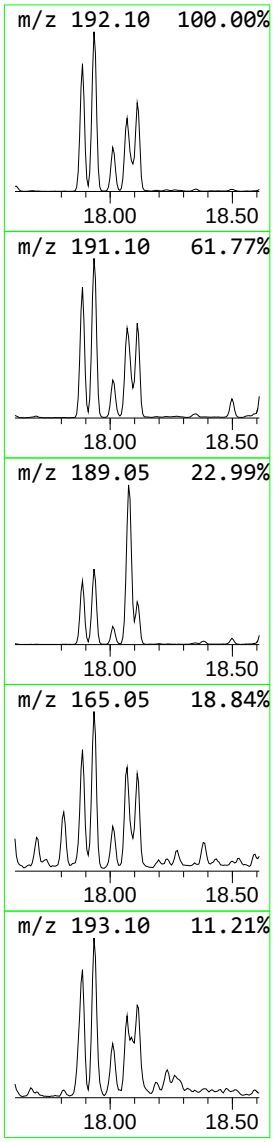
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 24 Anthracene, 2-methyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.110 | 16.46 ng/ul | 1264130 | Phenanthrene-d10 | 17.004 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 81 |
| 2 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 81 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 76 |
| 4 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 76 |
| 5 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 76 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

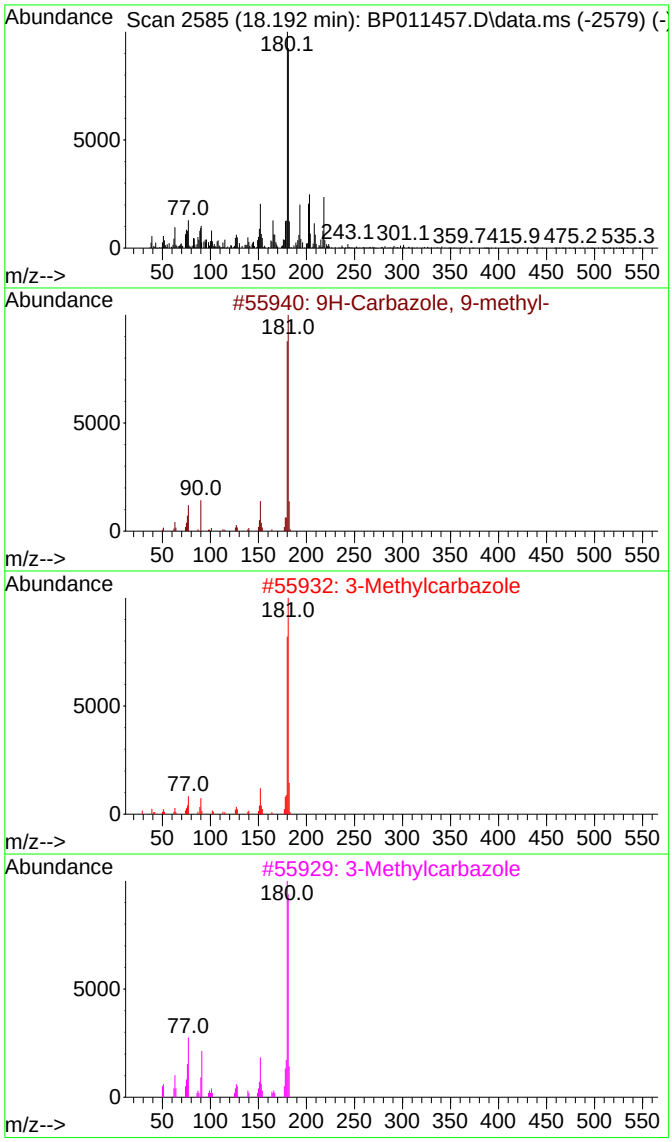
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

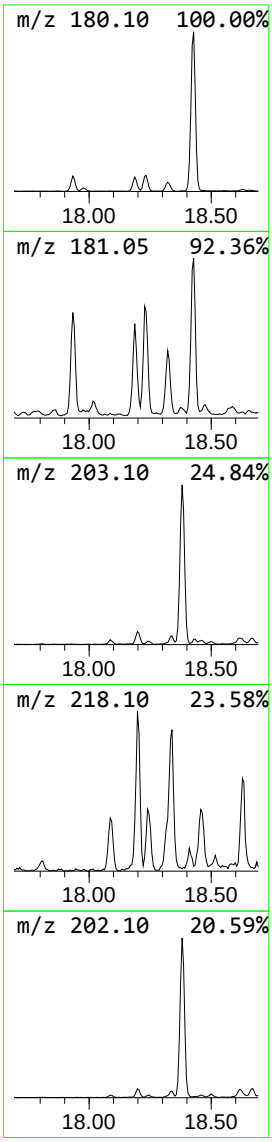
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 25 9H-Carbazole, 9-methyl- Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.192 | 5.14 ng/ul | 394727 | Phenanthrene-d10 | 17.004 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Carbazole, 9-methyl- | 181 | C13H11N | 001484-12-4 | 96 |
| 2 | 3-Methylcarbazole | 181 | C13H11N | 004630-20-0 | 93 |
| 3 | 3-Methylcarbazole | 181 | C13H11N | 004630-20-0 | 91 |
| 4 | 9H-Carbazole, 2-methyl- | 181 | C13H11N | 003652-91-3 | 91 |
| 5 | 4aH-carbazole, 6-methyl- | 181 | C13H11N | 1000404-86-1 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

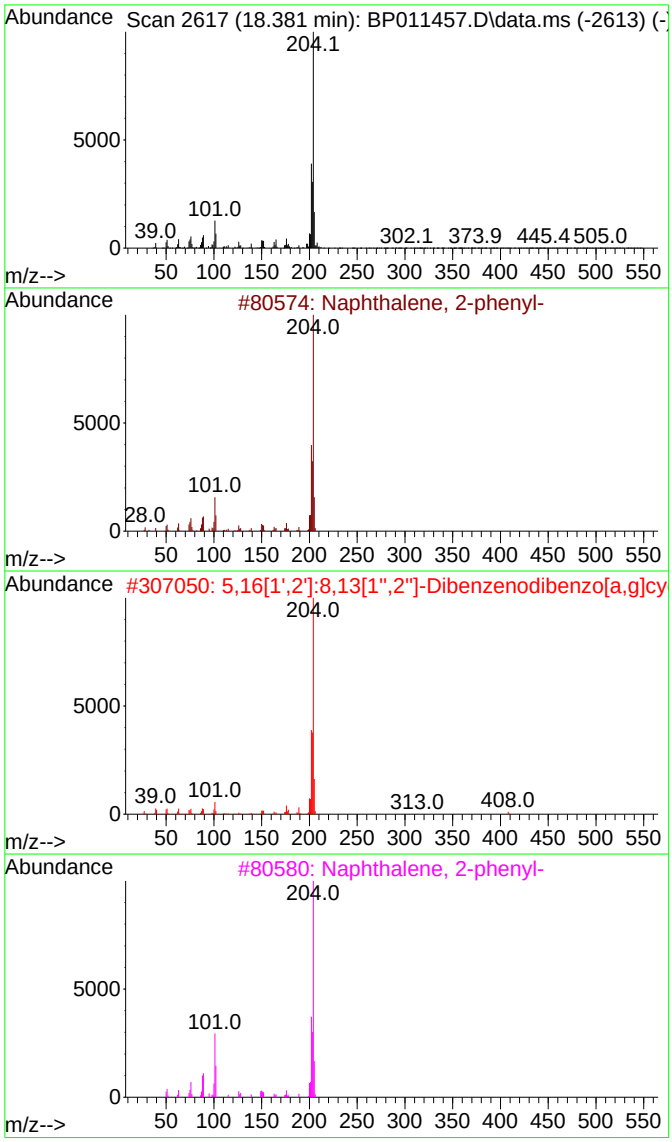
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

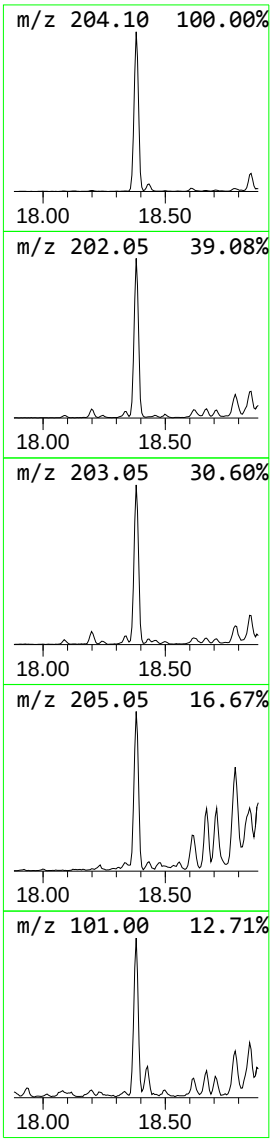
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 28 Naphthalene, 2-phenyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.381 | 20.23 ng/ul | 1553210 | Phenanthrene-d10 | 17.004 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 96 |
| 2 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 90 |
| 3 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 86 |
| 4 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 86 |
| 5 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 86 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

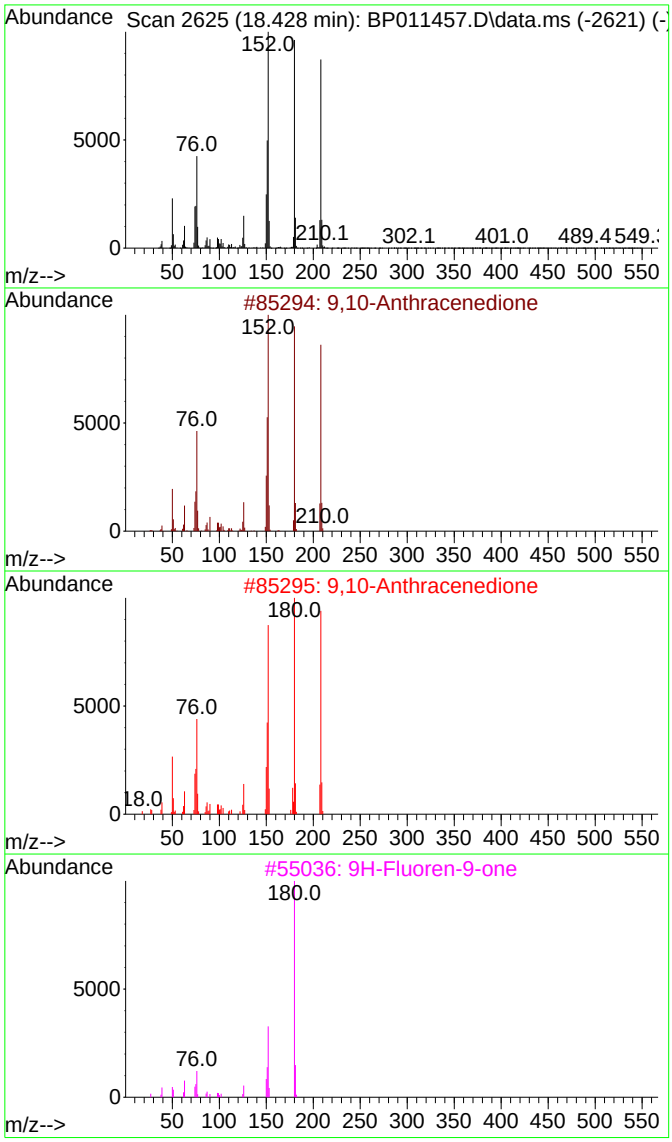
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

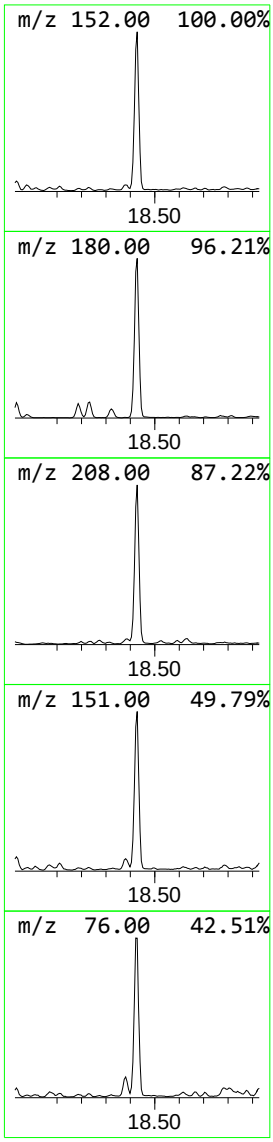
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 29 9,10-Anthracenedione Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.428 | 39.01 ng/ul | 2995670 | Phenanthrene-d10 | 17.004 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 99 |
| 2 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 99 |
| 3 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 97 |
| 4 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 96 |
| 5 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

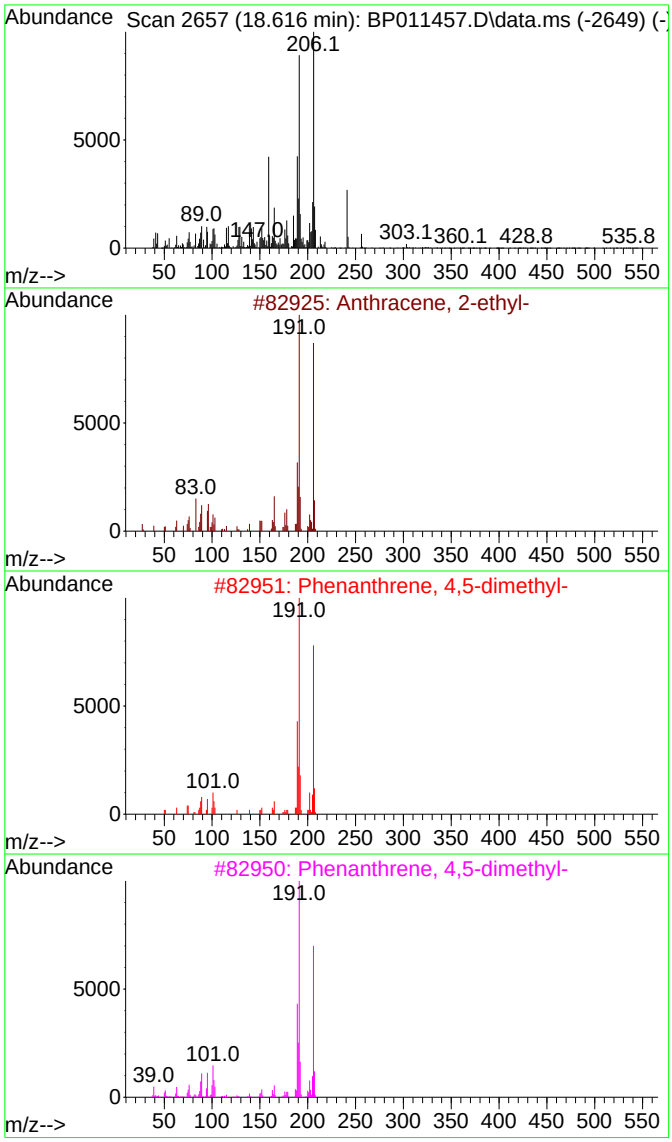
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

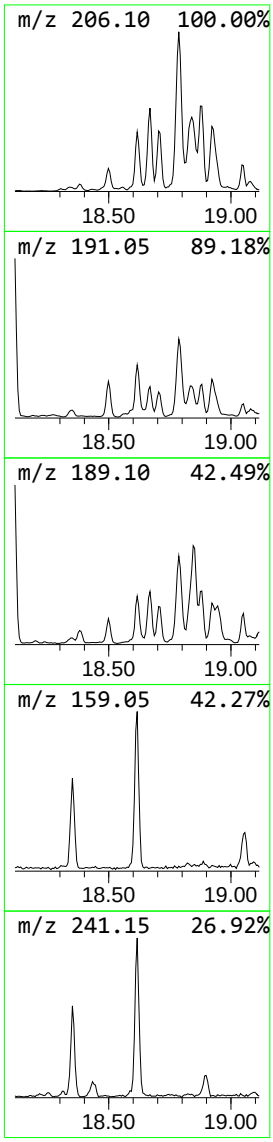
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 30 Anthracene, 2-ethyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.616 | 10.90 ng/ul | 836716 | Phenanthrene-d10 | 17.004 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 2-ethyl- | 206 | C16H14 | 052251-71-5 | 96 |
| 2 | Phenanthrene, 4,5-dimethyl- | 206 | C16H14 | 003674-69-9 | 96 |
| 3 | Phenanthrene, 4,5-dimethyl- | 206 | C16H14 | 003674-69-9 | 94 |
| 4 | Anthracene, 2-ethyl- | 206 | C16H14 | 052251-71-5 | 93 |
| 5 | Anthracene, 2-ethyl- | 206 | C16H14 | 052251-71-5 | 92 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

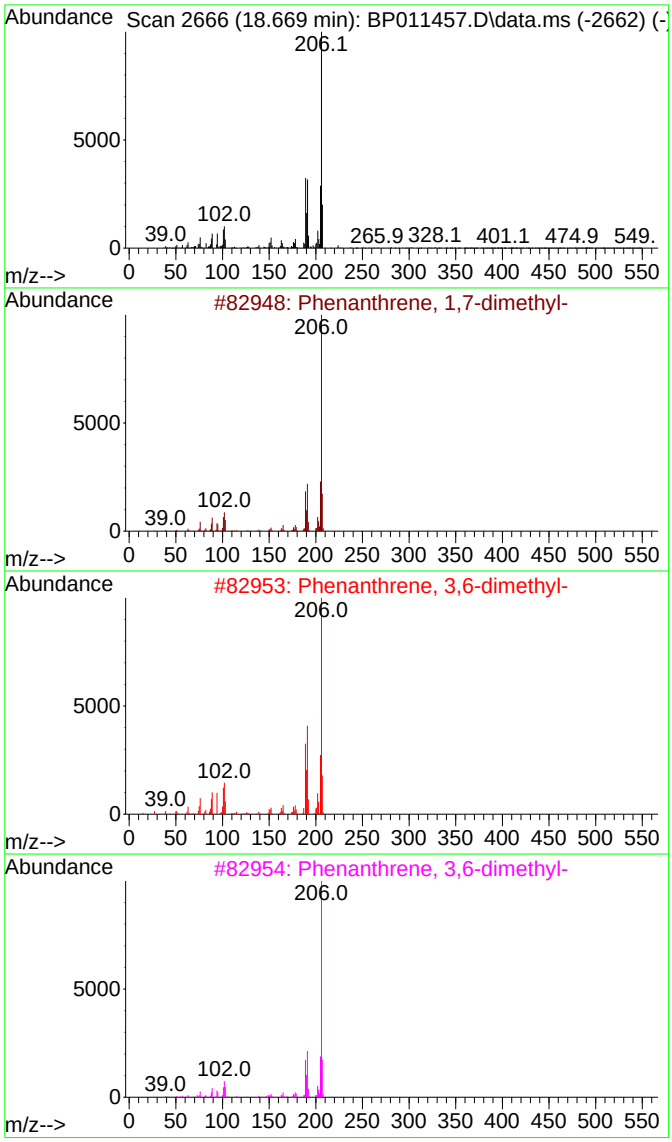
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

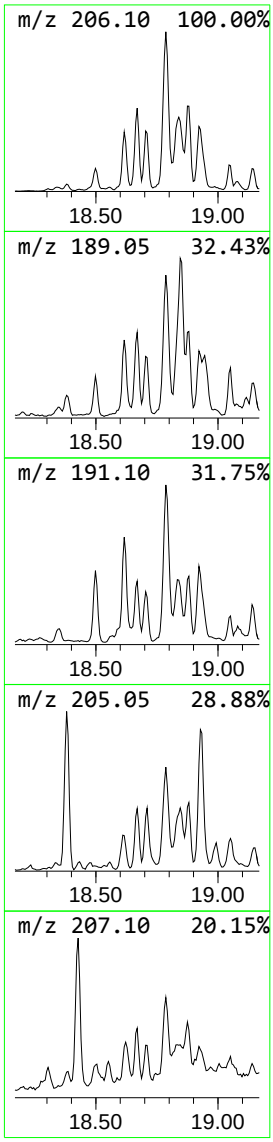
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 31 Phenanthrene, 1,7-dimethyl- Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.669 | 4.94 ng/ul | 379234 | Phenanthrene-d10 | 17.004 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 94 |
| 2 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 94 |
| 3 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 93 |
| 4 | Phenanthrene, 2,7-dimethyl- | 206 | C16H14 | 001576-69-8 | 93 |
| 5 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

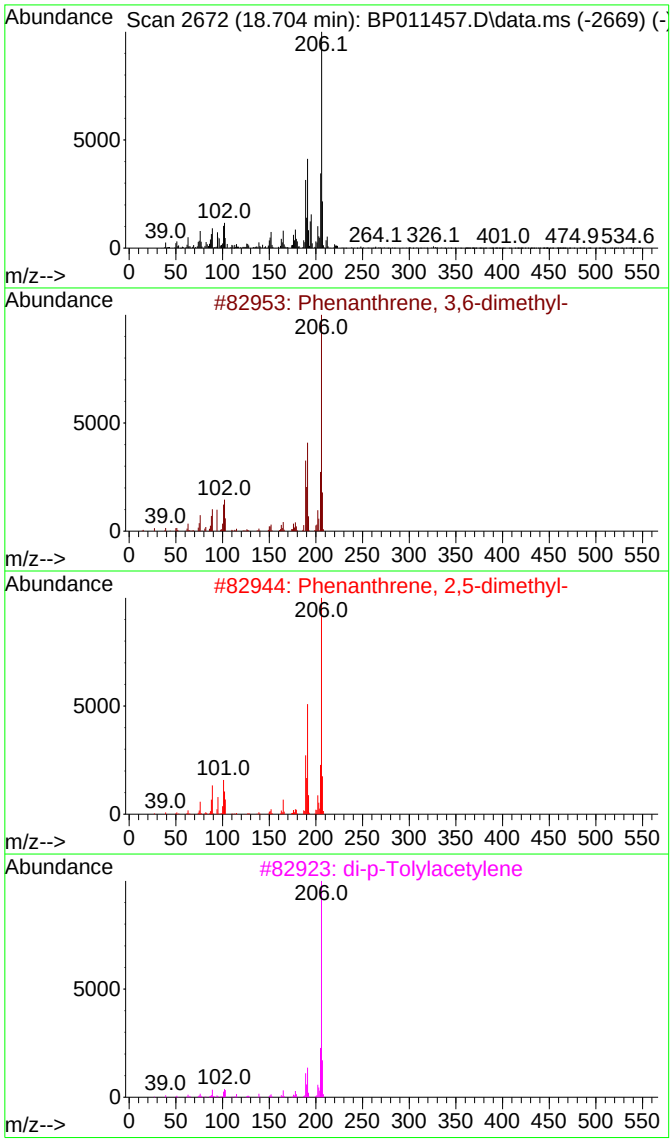
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

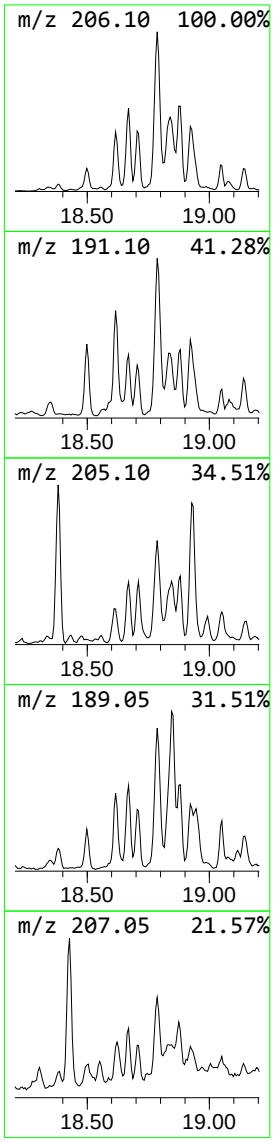
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 32 Phenanthrene, 3,6-dimethyl- Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.704 | 4.37 ng/ul | 335324 | Phenanthrene-d10 | 17.004 |

| 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 | 93 |
| 3 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 93 |
| 4 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 92 |
| 5 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

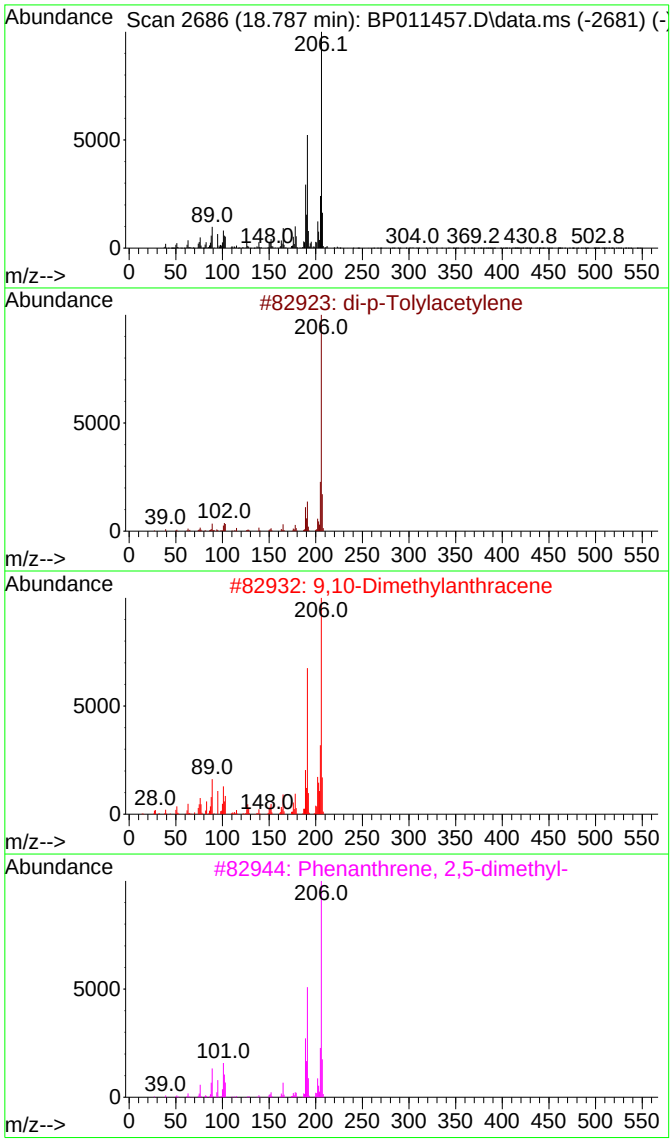
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

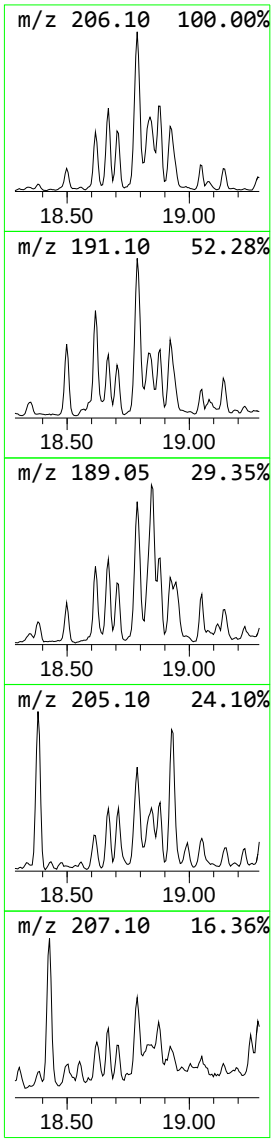
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 33 di-p-Tolylacetylene Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.787 | 18.22 ng/ul | 1399130 | Phenanthrene-d10 | 17.004 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 93 |
| 2 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 93 |
| 3 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 90 |
| 4 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 90 |
| 5 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

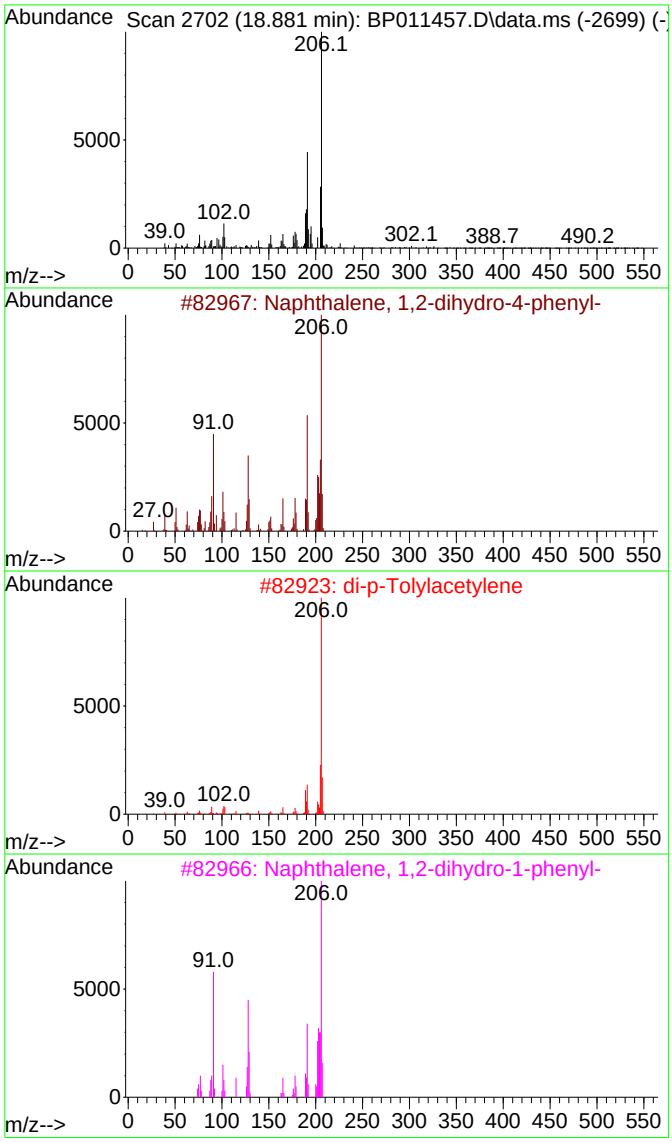
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

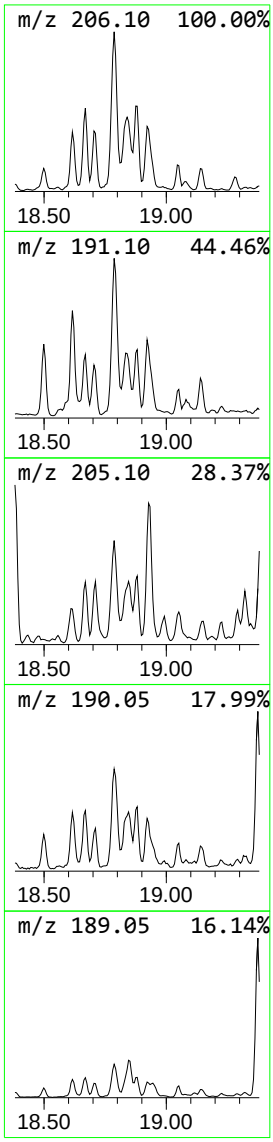
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 34 Naphthalene, 1,2-dihydro-4-... Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.881 | 4.32 ng/ul | 331806 | Phenanthrene-d10 | 17.004 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2-dihydro-4-phenyl- | 206 | C16H14 | 007469-40-1 | 81 |
| 2 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 81 |
| 3 | Naphthalene, 1,2-dihydro-1-phenyl- | 206 | C16H14 | 016606-46-5 | 80 |
| 4 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 76 |
| 5 | Naphthalene, 1,2-dihydro-4-phenyl- | 206 | C16H14 | 007469-40-1 | 74 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

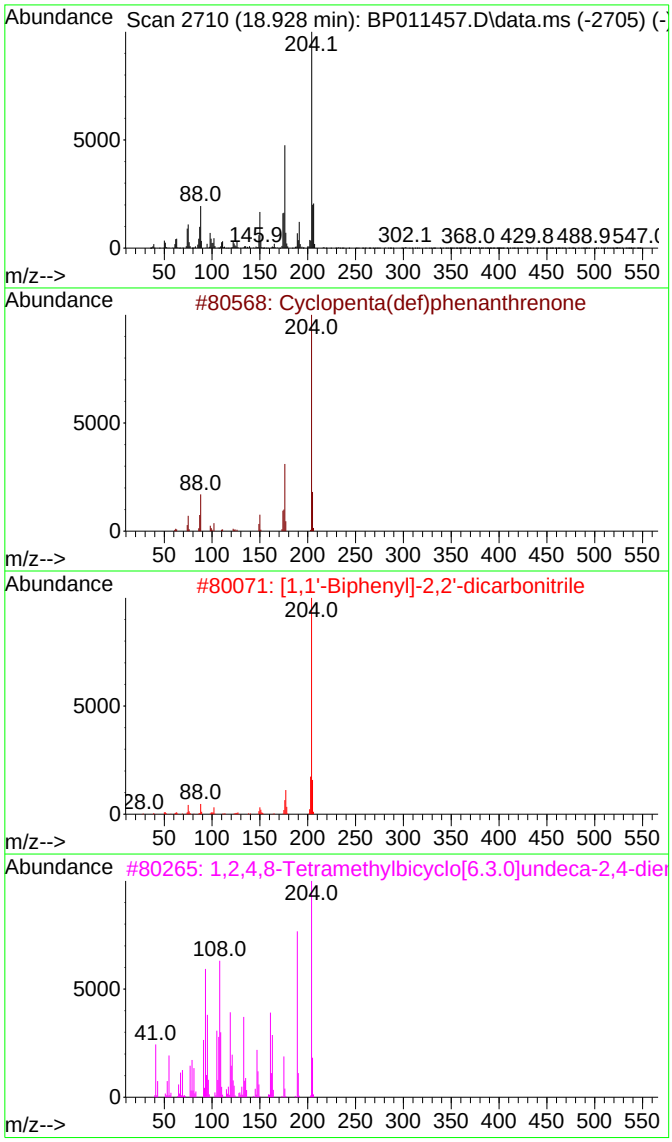
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

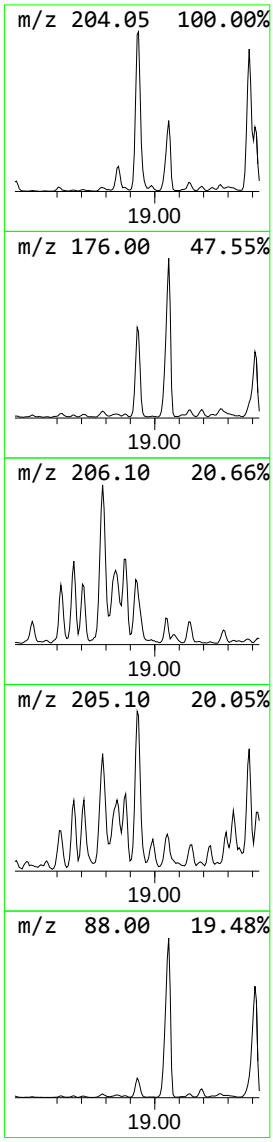
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 35 Cyclopenta(def)phenanthrenone Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.928 | 20.82 ng/ul | 1598700 | Phenanthrene-d10 | 17.004 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 87 |
| 2 | [1,1'-Biphenyl]-2,2'-dicarbonitrile | 204 | C14H8N2 | 004341-02-0 | 43 |
| 3 | 1,2,4,8-Tetramethylbicyclo[6.3.0... | 204 | C15H24 | 137235-51-9 | 41 |
| 4 | N-(4-Chloro-phenyl)-2-(3,4-dihyd... | 330 | C17H15ClN2OS | 1010296-34-3 | 40 |
| 5 | Tetracyano-p-quinodimethane | 204 | C12H4N4 | 001518-16-7 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

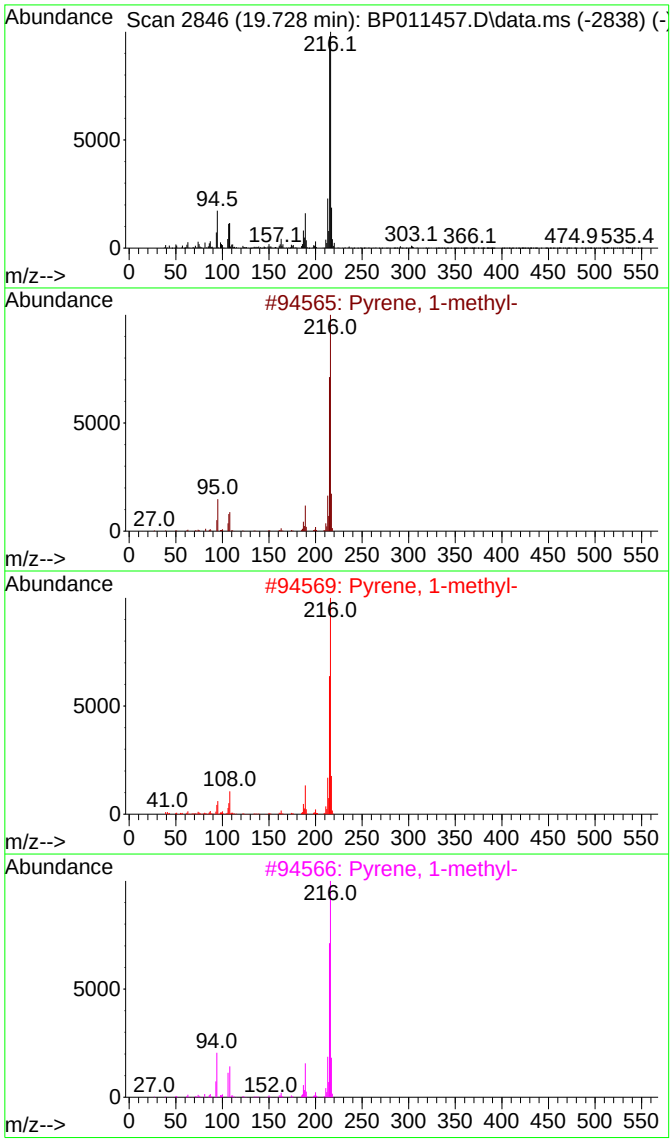
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

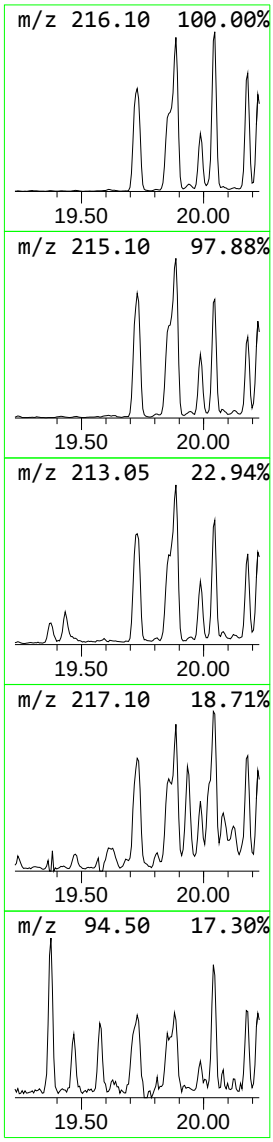
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 36 Pyrene, 1-methyl- Concentration Rank 36

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.728 | 3.28 ng/ul | 2118050 | Chrysene-d12 | 21.145 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 96 |
| 2 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 92 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 91 |
| 4 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 90 |
| 5 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 89 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

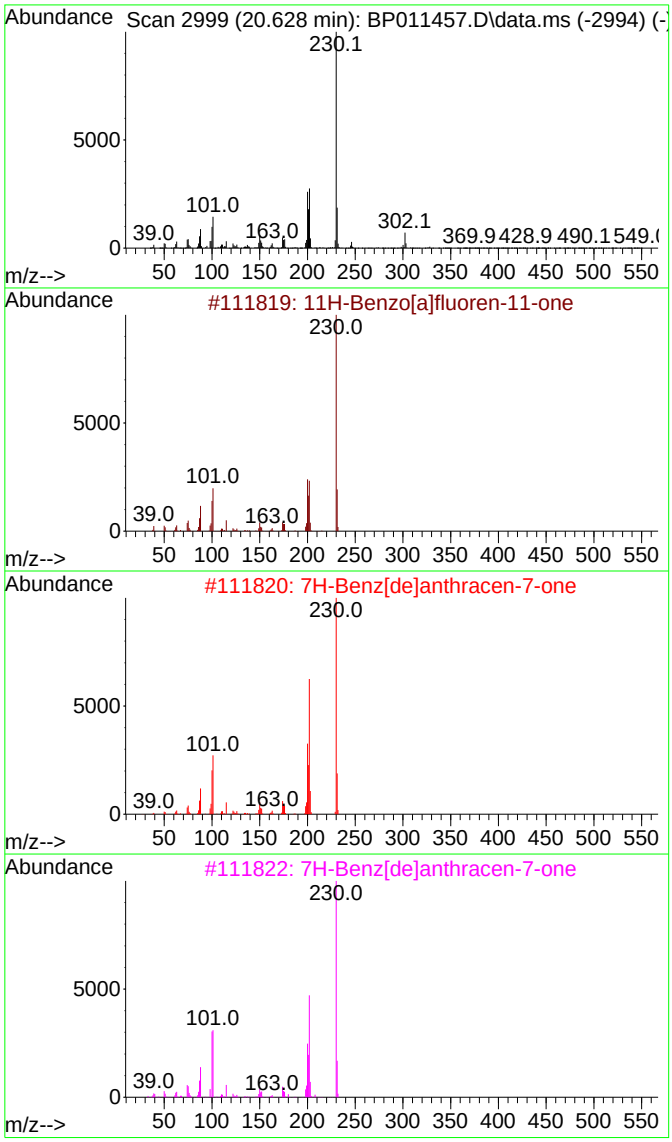
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

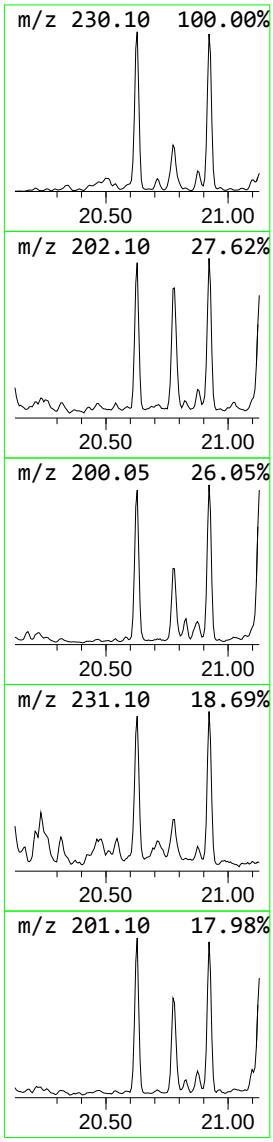
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 40 11H-Benzo[a]fluoren-11-one Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.628 | 4.19 ng/ul | 2701690 | Chrysene-d12 | 21.145 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 98 |
| 2 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 87 |
| 3 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 87 |
| 4 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 81 |
| 5 | 1-Pyrenecarboxaldehyde | 230 | C17H10O | 003029-19-4 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

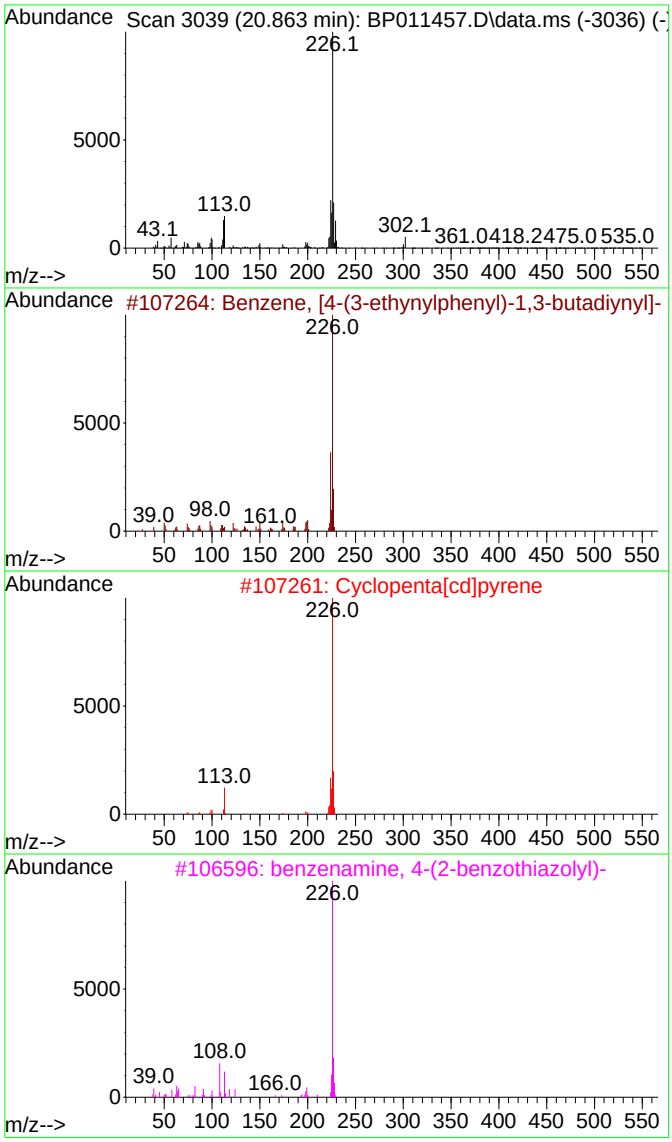
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

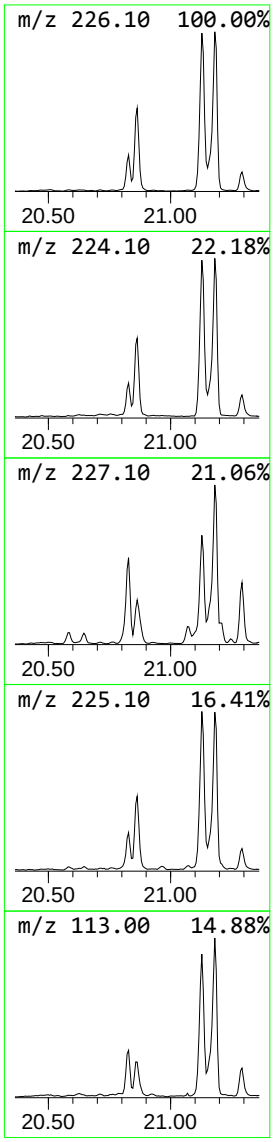
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 42 Benzene, [4-(3-ethynylpheny... Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.863 | 3.94 ng/ul | 2545920 | Chrysene-d12 | 21.145 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, [4-(3-ethynylphenyl)-1,... | 226 | C18H10 | 1000115-87-3 | 64 |
| 2 | Cyclopenta[cd]pyrene | 226 | C18H10 | 027208-37-3 | 58 |
| 3 | benzenamine, 4-(2-benzothiazolyl)- | 226 | C13H10N2S | 1000400-93-4 | 53 |
| 4 | .beta.-Carboline, 7-methoxy-1,2-... | 226 | C14H14N2O | 006519-18-2 | 52 |
| 5 | 1,3-Diamino-5,6-dihydro-7-methyl... | 226 | C13H14N4 | 037436-37-6 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

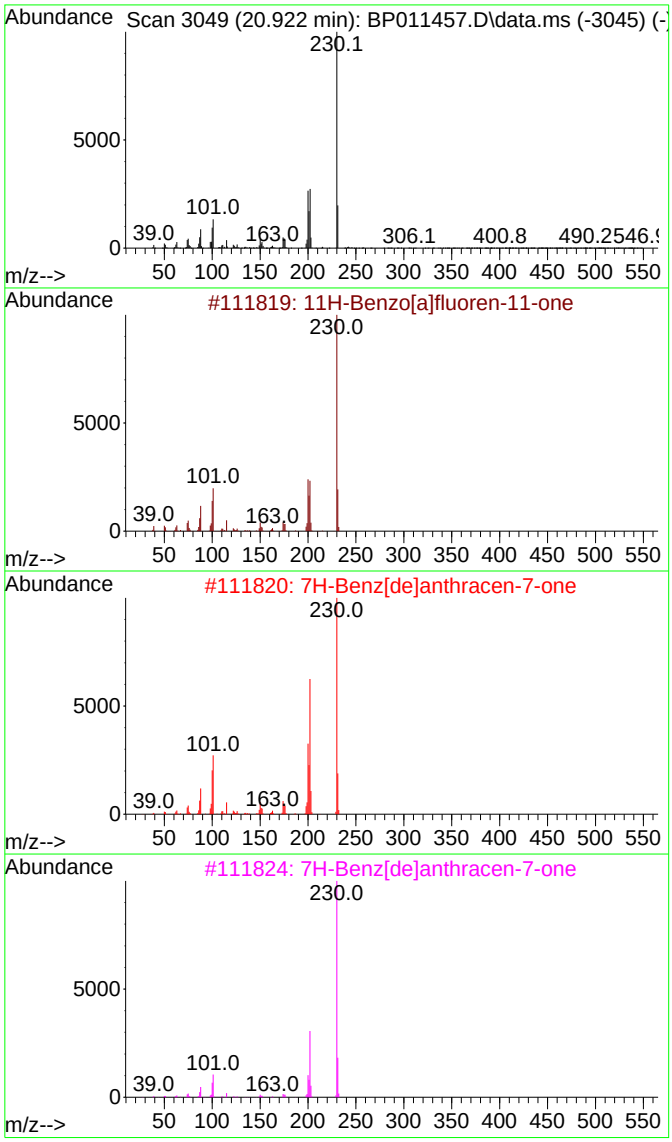
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

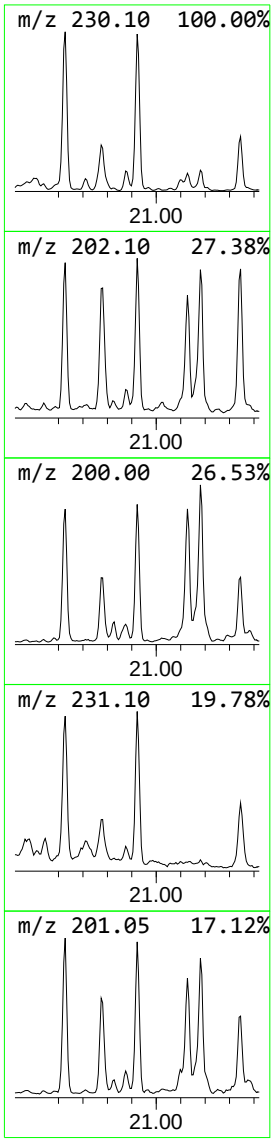
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 43 7H-Benz[de]anthracen-7-one Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.922 | 4.26 ng/ul | 2747910 | Chrysene-d12 | 21.145 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 97 |
| 2 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 91 |
| 3 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 87 |
| 4 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 83 |
| 5 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 78 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

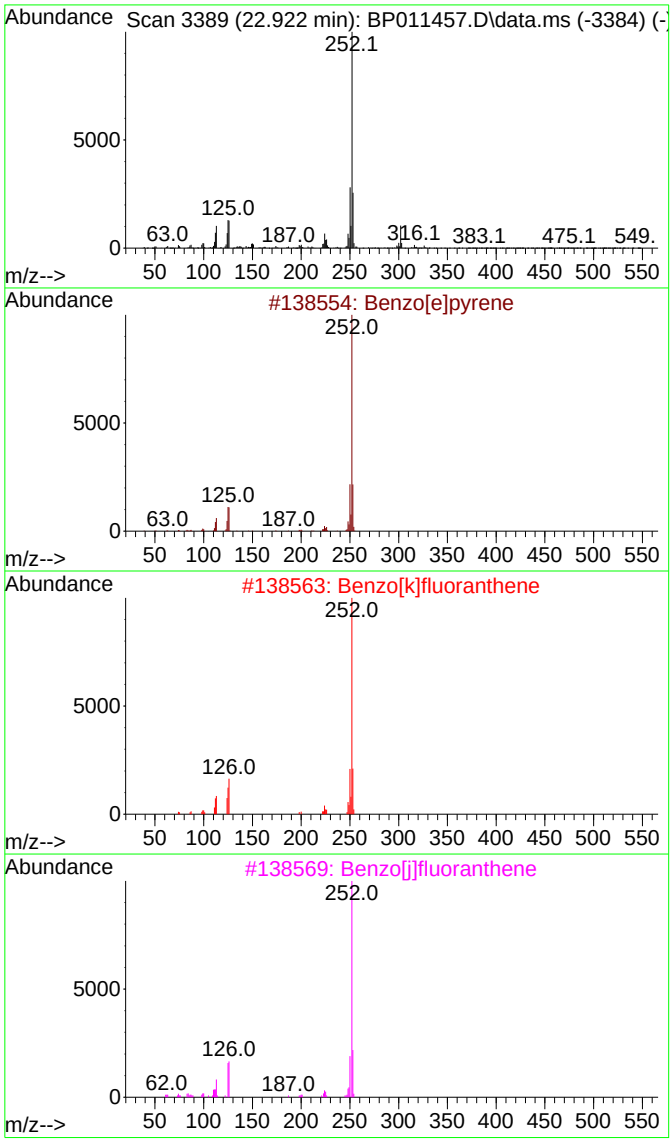
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

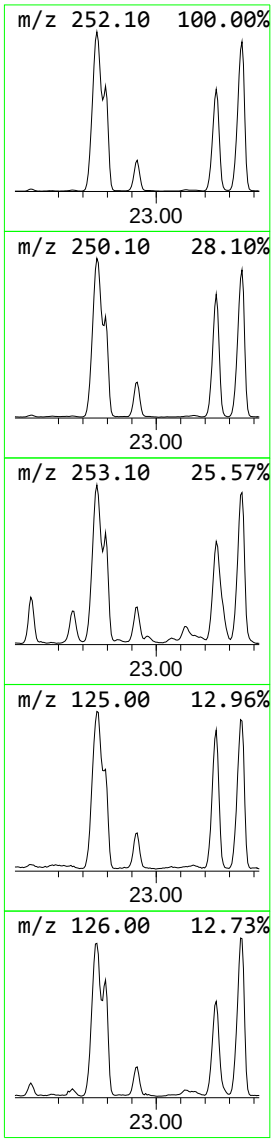
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 46 Benzo[e]pyrene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.922 | 40.20 ng/ul | 2810220 | Perylene-d12 | 23.439 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 97 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 97 |
| 3 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 96 |
| 4 | Perylene | 252 | C20H12 | 000198-55-0 | 95 |
| 5 | Perylene | 252 | C20H12 | 000198-55-0 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

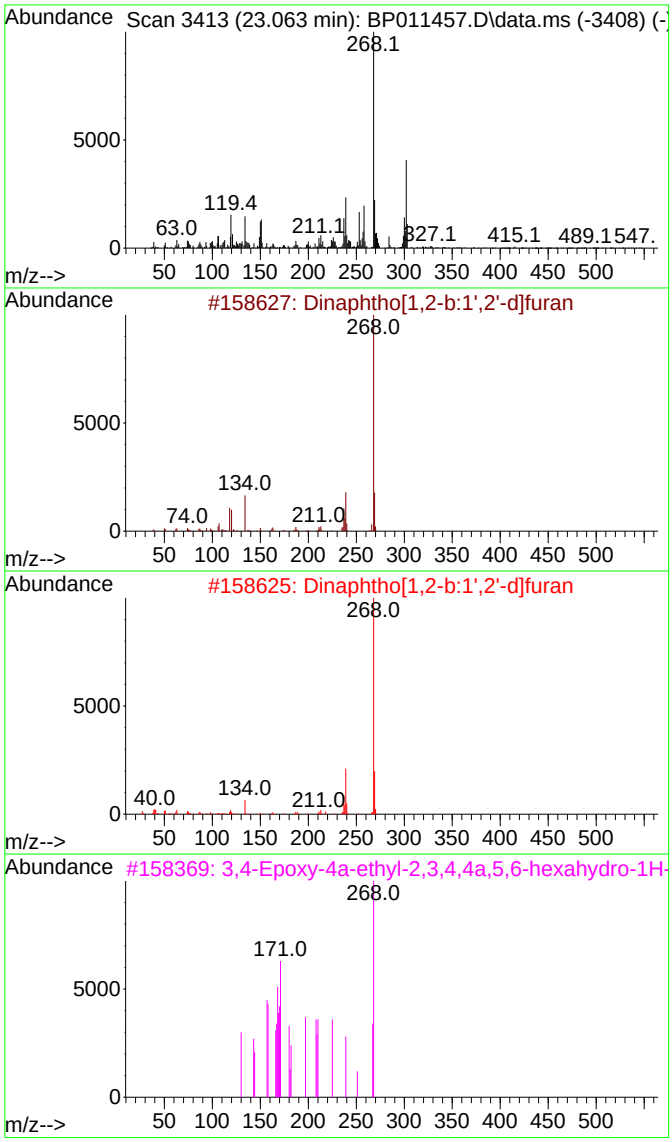
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

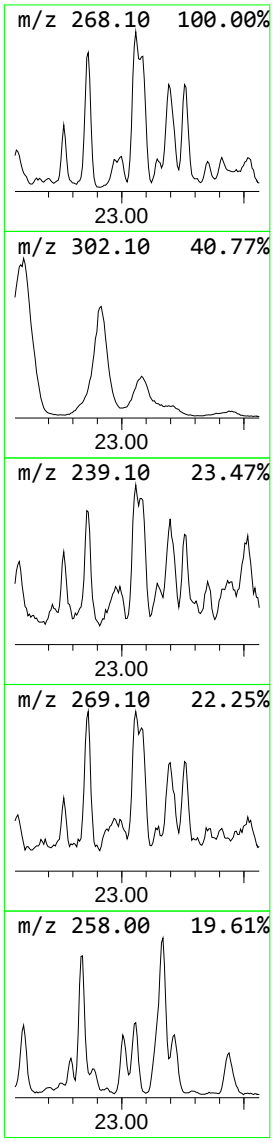
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 47 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.063 | 19.37 ng/ul | 1354090 | Perylene-d12 | 23.439 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dinaphtho[1,2-b:1',2'-d]furan | 268 | C20H12O | 000207-93-2 | 70 |
| 2 | Dinaphtho[1,2-b:1',2'-d]furan | 268 | C20H12O | 000207-93-2 | 55 |
| 3 | 3,4-Epoxy-4a-ethyl-2,3,4,4a,5,6-... | 268 | C17H20N2O | 080249-75-8 | 46 |
| 4 | Dinaphtho[2,1-b:1',2'-d]furan | 268 | C20H12O | 000194-63-8 | 46 |
| 5 | Benzo(a)pyrene 4,5-oxide | 268 | C20H12O | 037574-47-3 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

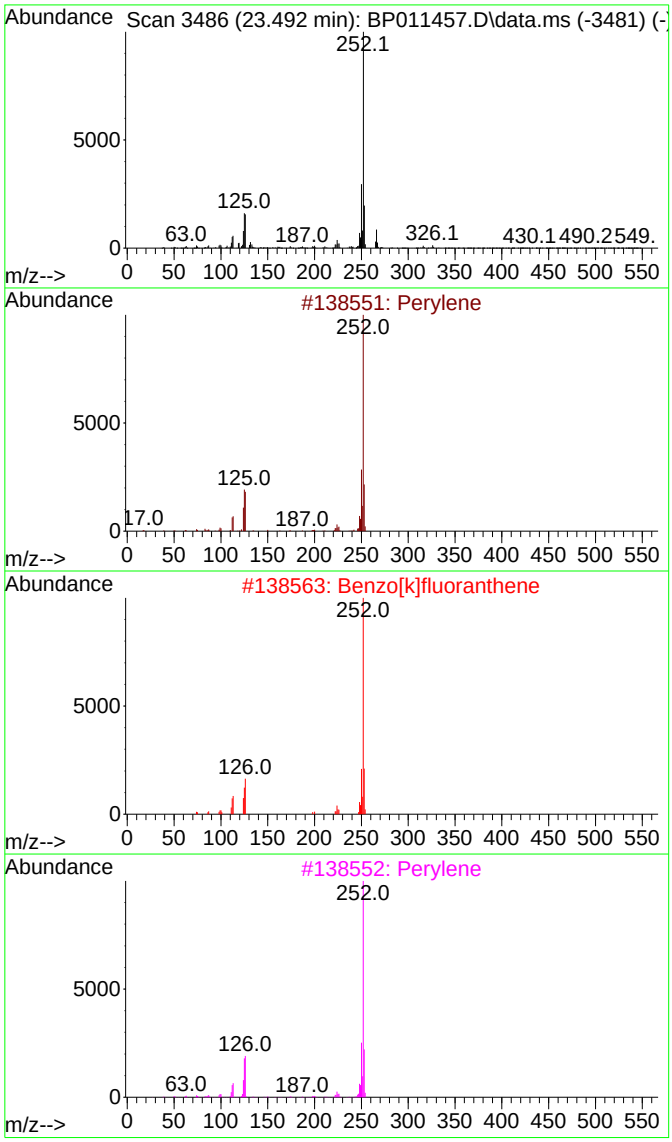
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
Quant Title : SVOA CALIBRATION

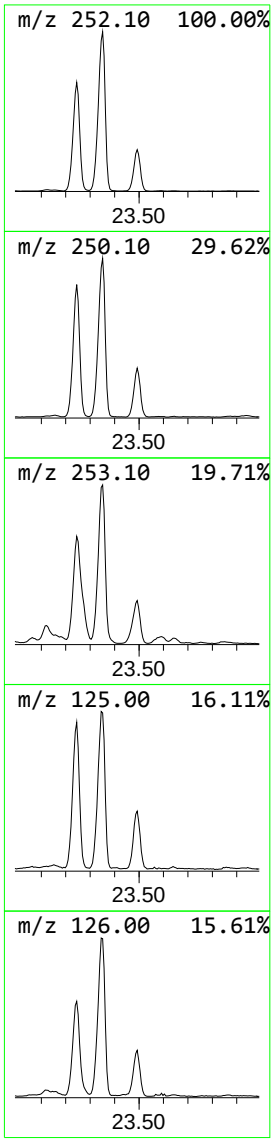
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 48 Perylene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.492 | 40.33 ng/ul | 2819350 | Perylene-d12 | 23.439 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Perylene | 252 | C20H12 | 000198-55-0 | 99 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 99 |
| 3 | Perylene | 252 | C20H12 | 000198-55-0 | 98 |
| 4 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 98 |
| 5 | Perylene | 252 | C20H12 | 000198-55-0 | 96 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
Data File : BP011457.D
Acq On : 17 Aug 2022 11:55
Operator : CG/JU
Sample : N4173-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EX7P3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.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 |
| Naphthalene, 1,... | 13.546 | 6.0 | ng/ul | 465222 | 3 | 14.234 | 1544800 | 20.0 |
| Dibenzofuran, 4... | 15.587 | 6.7 | ng/ul | 518788 | 3 | 14.234 | 1544800 | 20.0 |
| 9H-Fluoren-9-ol | 15.740 | 8.8 | ng/ul | 679604 | 4 | 17.004 | 1535700 | 20.0 |
| 9H-Fluorene, 1-... | 16.304 | 7.9 | ng/ul | 605662 | 4 | 17.004 | 1535700 | 20.0 |
| 9H-Fluoren-9-one | 16.663 | 15.9 | ng/ul | 1218660 | 4 | 17.004 | 1535700 | 20.0 |
| 4-(4-Methylphen... | 16.740 | 6.6 | ng/ul | 506491 | 4 | 17.004 | 1535700 | 20.0 |
| Dibenzothiophene | 16.822 | 11.4 | ng/ul | 877123 | 4 | 17.004 | 1535700 | 20.0 |
| Dibenzo[a,e]cyc... | 17.534 | 6.7 | ng/ul | 516574 | 4 | 17.004 | 1535700 | 20.0 |
| Dibenzothiophen... | 17.592 | 7.1 | ng/ul | 545658 | 4 | 17.004 | 1535700 | 20.0 |
| Phenanthrene, 2... | 17.887 | 26.0 | ng/ul | 1998720 | 4 | 17.004 | 1535700 | 20.0 |
| Phenanthrene, 1... | 17.934 | 34.6 | ng/ul | 2660970 | 4 | 17.004 | 1535700 | 20.0 |
| 1H-Cyclopropa[l... | 18.010 | 8.3 | ng/ul | 635182 | 4 | 17.004 | 1535700 | 20.0 |
| 4H-Cyclopenta[d... | 18.075 | 40.0 | ng/ul | 3073670 | 4 | 17.004 | 1535700 | 20.0 |
| Anthracene, 2-m... | 18.110 | 16.5 | ng/ul | 1264130 | 4 | 17.004 | 1535700 | 20.0 |
| 9H-Carbazole, 9... | 18.192 | 5.1 | ng/ul | 394727 | 4 | 17.004 | 1535700 | 20.0 |
| Naphthalene, 2-... | 18.381 | 20.2 | ng/ul | 1553210 | 4 | 17.004 | 1535700 | 20.0 |
| 9,10-Anthracene... | 18.428 | 39.0 | ng/ul | 2995670 | 4 | 17.004 | 1535700 | 20.0 |
| Anthracene, 2-e... | 18.616 | 10.9 | ng/ul | 836716 | 4 | 17.004 | 1535700 | 20.0 |
| Phenanthrene, 1... | 18.669 | 4.9 | ng/ul | 379234 | 4 | 17.004 | 1535700 | 20.0 |
| Phenanthrene, 3... | 18.704 | 4.4 | ng/ul | 335324 | 4 | 17.004 | 1535700 | 20.0 |
| di-p-Tolylacety... | 18.787 | 18.2 | ng/ul | 1399130 | 4 | 17.004 | 1535700 | 20.0 |
| Naphthalene, 1,... | 18.881 | 4.3 | ng/ul | 331806 | 4 | 17.004 | 1535700 | 20.0 |
| Cyclopenta(def)... | 18.928 | 20.8 | ng/ul | 1598700 | 4 | 17.004 | 1535700 | 20.0 |
| Pyrene, 1-methyl- | 19.728 | 3.3 | ng/ul | 2118050 | 5 | 21.145 | 12910700 | 20.0 |
| 11H-Benzo[a]flu... | 20.628 | 4.2 | ng/ul | 2701690 | 5 | 21.145 | 12910700 | 20.0 |
| Benzene, [4-(3-... | 20.863 | 3.9 | ng/ul | 2545920 | 5 | 21.145 | 12910700 | 20.0 |
| 7H-Benz[de]anth... | 20.922 | 4.3 | ng/ul | 2747910 | 5 | 21.145 | 12910700 | 20.0 |
| Benzo[e]pyrene | 22.922 | 40.2 | ng/ul | 2810220 | 6 | 23.439 | 1398180 | 20.0 |
| Dinaphtho[1,2-b... | 23.063 | 19.4 | ng/ul | 1354090 | 6 | 23.439 | 1398180 | 20.0 |
| Perylene | 23.492 | 40.3 | ng/ul | 2819350 | 6 | 23.439 | 1398180 | 20.0 |