LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

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_G\Methods\SFAM-EPA-BG062024.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BG061722.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.762 | 242 | 251 | 267 | rVB | 2365341 | 3814766 | 23.51% | 2.141% |
| 2 | 5.696 | 404 | 410 | 421 | rVB | 254799 | 549897 | 3.39% | 0.309% |
| 3 | 6.067 | 462 | 473 | 482 | rVB4 | 163451 | 340506 | 2.10% | 0.191% |
| 4 | 7.212 | 662 | 668 | 675 | rVV2 | 375608 | 613512 | 3.78% | 0.344% |
| 5 | 7.594 | 728 | 733 | 740 | rVV | 219012 | 390608 | 2.41% | 0.219% |
| 6 | 7.718 | 741 | 754 | 763 | rVV2 | 977148 | 1984673 | 12.23% | 1.114% |
| 7 | 7.812 | 763 | 770 | 777 | rVB | 198992 | 347264 | 2.14% | 0.195% |
| 8 | 8.070 | 804 | 814 | 826 | rBV2 | 232560 | 464904 | 2.87% | 0.261% |
| 9 | 8.611 | 899 | 906 | 917 | rVV | 759704 | 1313876 | 8.10% | 0.737% |
| 10 | 9.233 | 1007 | 1012 | 1019 | rVV | 278805 | 544629 | 3.36% | 0.306% |
| 11 | 9.345 | 1026 | 1031 | 1040 | rVV | 228497 | 481524 | 2.97% | 0.270% |
| 12 | 9.956 | 1126 | 1135 | 1141 | rVB2 | 206169 | 399808 | 2.46% | 0.224% |
| 13 | 10.309 | 1184 | 1195 | 1201 | rBV3 | 532042 | 1285066 | 7.92% | 0.721% |
| 14 | 10.379 | 1201 | 1207 | 1213 | rBV2 | 372596 | 863229 | 5.32% | 0.484% |
| 15 | 10.497 | 1219 | 1227 | 1235 | rVB | 283439 | 555025 | 3.42% | 0.311% |
| 16 | 10.890 | 1288 | 1294 | 1296 | rVV | 327434 | 630508 | 3.89% | 0.354% |
| 17 | 10.949 | 1296 | 1304 | 1311 | rVV | 7985031 | 16226597 | 100.00% | 9.106% |
| 18 | 11.014 | 1311 | 1315 | 1319 | rVV | 198352 | 385751 | 2.38% | 0.216% |
| 19 | 12.541 | 1565 | 1575 | 1582 | rVB | 5668908 | 10033236 | 61.83% | 5.630% |
| 20 | 12.759 | 1600 | 1612 | 1619 | rVB | 3728983 | 6460422 | 39.81% | 3.625% |
| 21 | 13.534 | 1737 | 1744 | 1750 | rBV | 901348 | 1517853 | 9.35% | 0.852% |
| 22 | 13.734 | 1773 | 1778 | 1788 | rVB2 | 319814 | 764975 | 4.71% | 0.429% |
| 23 | 13.881 | 1792 | 1803 | 1809 | rBV2 | 1039139 | 2723892 | 16.79% | 1.529% |
| 24 | 14.022 | 1819 | 1827 | 1832 | rBV | 1678848 | 3128400 | 19.28% | 1.756% |
| 25 | 14.075 | 1832 | 1836 | 1839 | rBV | 881099 | 1377338 | 8.49% | 0.773% |
| 26 | 14.151 | 1845 | 1849 | 1857 | rVB | 1207860 | 1890285 | 11.65% | 1.061% |
| 27 | 14.257 | 1862 | 1867 | 1871 | rBV | 779471 | 1256229 | 7.74% | 0.705% |
| 28 | 14.427 | 1884 | 1896 | 1907 | rVB2 | 3387228 | 6576996 | 40.53% | 3.691% |
| 29 | 14.668 | 1930 | 1937 | 1939 | rBV | 540072 | 808514 | 4.98% | 0.454% |
| 30 | 14.698 | 1939 | 1942 | 1947 | rVB | 608782 | 887662 | 5.47% | 0.498% |
| 31 | 14.762 | 1947 | 1953 | 1961 | rVB2 | 401269 | 900028 | 5.55% | 0.505% |
| 32 | 14.874 | 1967 | 1972 | 1975 | rBV | 238720 | 402564 | 2.48% | 0.226% |
| 33 | 15.091 | 1999 | 2009 | 2015 | rVV | 568294 | 1204483 | 7.42% | 0.676% |
| 34 | 15.168 | 2017 | 2022 | 2027 | rVV | 368742 | 548878 | 3.38% | 0.308% |
| 35 | 15.297 | 2038 | 2044 | 2050 | rBV4 | 603124 | 1323492 | 8.16% | 0.743% |
| 36 | 15.461 | 2066 | 2072 | 2073 | rBV | 262511 | 337104 | 2.08% | 0.189% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

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_G\Methods\SFAM-EPA-BG062024.MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 15.567 | 2086 | 2090 | 2095 | rVB | 697516 | 1029786 | 6.35% | 0.578% |
| 38 | 15.691 | 2102 | 2111 | 2115 | rVV | 1435794 | 2249614 | 13.86% | 1.262% |
| 39 | 15.749 | 2115 | 2121 | 2128 | rVV2 | 2332448 | 4239063 | 26.12% | 2.379% |
| 40 | 15.867 | 2133 | 2141 | 2145 | rBV5 | 190309 | 416608 | 2.57% | 0.234% |
| 41 | 15.949 | 2150 | 2155 | 2164 | rVV2 | 296439 | 627760 | 3.87% | 0.352% |
| 42 | 16.037 | 2164 | 2170 | 2175 | rVV2 | 269558 | 652687 | 4.02% | 0.366% |
| 43 | 16.084 | 2175 | 2178 | 2184 | rVB3 | 227041 | 372047 | 2.29% | 0.209% |
| 44 | 16.155 | 2184 | 2190 | 2203 | rVB3 | 926826 | 1821103 | 11.22% | 1.022% |
| 45 | 16.407 | 2227 | 2233 | 2239 | rBV2 | 307843 | 631201 | 3.89% | 0.354% |
| 46 | 16.742 | 2282 | 2290 | 2295 | rVV2 | 694504 | 1636122 | 10.08% | 0.918% |
| 47 | 16.795 | 2295 | 2299 | 2304 | rVV | 478369 | 748879 | 4.62% | 0.420% |
| 48 | 16.895 | 2311 | 2316 | 2322 | rVV | 432105 | 695288 | 4.28% | 0.390% |
| 49 | 17.101 | 2347 | 2351 | 2356 | rVB2 | 325363 | 488505 | 3.01% | 0.274% |
| 50 | 17.189 | 2361 | 2366 | 2370 | rVV3 | 219323 | 394616 | 2.43% | 0.221% |
| 51 | 17.259 | 2371 | 2378 | 2386 | rVB | 1049701 | 1783696 | 10.99% | 1.001% |
| 52 | 17.447 | 2403 | 2410 | 2412 | rBV | 719546 | 1187416 | 7.32% | 0.666% |
| 53 | 17.494 | 2412 | 2418 | 2423 | rVV | 7699641 | 13076928 | 80.59% | 7.338% |
| 54 | 17.547 | 2423 | 2427 | 2429 | rVV | 1066747 | 1613718 | 9.94% | 0.906% |
| 55 | 17.577 | 2429 | 2432 | 2437 | rVV | 2395160 | 3612710 | 22.26% | 2.027% |
| 56 | 17.624 | 2437 | 2440 | 2446 | rVV3 | 196146 | 370604 | 2.28% | 0.208% |
| 57 | 17.959 | 2495 | 2497 | 2503 | rVV | 266887 | 330709 | 2.04% | 0.186% |
| 58 | 18.023 | 2503 | 2508 | 2517 | rVB2 | 584133 | 891598 | 5.49% | 0.500% |
| 59 | 18.164 | 2526 | 2532 | 2538 | rVB2 | 380238 | 805672 | 4.97% | 0.452% |
| 60 | 18.323 | 2552 | 2559 | 2563 | rVV | 1970593 | 3282695 | 20.23% | 1.842% |
| 61 | 18.370 | 2563 | 2567 | 2572 | rVV | 2143299 | 3136490 | 19.33% | 1.760% |
| 62 | 18.446 | 2575 | 2580 | 2585 | rVV | 868339 | 1331247 | 8.20% | 0.747% |
| 63 | 18.517 | 2585 | 2592 | 2595 | rVV2 | 2354107 | 4681692 | 28.85% | 2.627% |
| 64 | 18.552 | 2595 | 2598 | 2605 | rVV | 1270629 | 1743483 | 10.74% | 0.978% |
| 65 | 18.810 | 2637 | 2642 | 2647 | rBV | 961600 | 1328213 | 8.19% | 0.745% |
| 66 | 19.057 | 2680 | 2684 | 2688 | rVV3 | 254425 | 377208 | 2.32% | 0.212% |
| 67 | 19.104 | 2688 | 2692 | 2695 | rVV | 267307 | 332206 | 2.05% | 0.186% |
| 68 | 19.145 | 2695 | 2699 | 2703 | rVB2 | 273328 | 390940 | 2.41% | 0.219% |
| 69 | 19.228 | 2703 | 2713 | 2718 | rBV3 | 1035347 | 2112159 | 13.02% | 1.185% |
| 70 | 19.286 | 2718 | 2723 | 2726 | rVV2 | 429410 | 824710 | 5.08% | 0.463% |
| 71 | 19.316 | 2726 | 2728 | 2732 | rVB | 516163 | 599280 | 3.69% | 0.336% |
| 72 | 19.363 | 2732 | 2736 | 2738 | rBV | 242973 | 329311 | 2.03% | 0.185% |
| 73 | 19.492 | 2751 | 2758 | 2764 | rBV | 3938688 | 5617320 | 34.62% | 3.152% |
| 74 | 19.639 | 2778 | 2783 | 2788 | rBV | 1615167 | 2186585 | 13.48% | 1.227% |
| 75 | 19.827 | 2809 | 2815 | 2816 | rBV3 | 1265052 | 1855220 | 11.43% | 1.041% |
| 76 | 19.856 | 2816 | 2820 | 2827 | rVB | 4327008 | 6510209 | 40.12% | 3.653% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

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_G\Methods\SFAM-EPA-BG062024.MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 20.174 | 2868 | 2874 | 2882 | rVB2 | 488063 | 1097356 | 6.76% | 0.616% |
| 78 | 20.338 | 2899 | 2902 | 2909 | rVB | 1233458 | 1786249 | 11.01% | 1.002% |
| 79 | 20.444 | 2915 | 2920 | 2925 | rVB | 988198 | 1391283 | 8.57% | 0.781% |
| 80 | 20.497 | 2925 | 2929 | 2934 | rBV | 737302 | 969342 | 5.97% | 0.544% |
| 81 | 20.638 | 2949 | 2953 | 2956 | rVV | 574847 | 801633 | 4.94% | 0.450% |
| 82 | 20.685 | 2956 | 2961 | 2969 | rVB | 869778 | 1477821 | 9.11% | 0.829% |
| 83 | 21.055 | 3019 | 3024 | 3030 | rBV3 | 171999 | 438894 | 2.70% | 0.246% |
| 84 | 21.284 | 3059 | 3063 | 3067 | rVV | 349635 | 547923 | 3.38% | 0.307% |
| 85 | 21.325 | 3067 | 3070 | 3074 | rVV | 476021 | 756201 | 4.66% | 0.424% |
| 86 | 21.366 | 3074 | 3077 | 3082 | rVV4 | 324944 | 570417 | 3.52% | 0.320% |
| 87 | 21.689 | 3125 | 3132 | 3139 | rBV3 | 2242160 | 5269447 | 32.47% | 2.957% |
| 88 | 21.754 | 3139 | 3143 | 3151 | rVB | 1555788 | 2653106 | 16.35% | 1.489% |
| 89 | 22.441 | 3255 | 3260 | 3267 | rVV3 | 466518 | 1046317 | 6.45% | 0.587% |
| 90 | 22.506 | 3267 | 3271 | 3279 | rVB | 242324 | 479576 | 2.96% | 0.269% |
| 91 | 22.647 | 3291 | 3295 | 3300 | rVB2 | 209977 | 399658 | 2.46% | 0.224% |
| 92 | 22.712 | 3301 | 3306 | 3309 | rVV3 | 208366 | 390813 | 2.41% | 0.219% |
| 93 | 22.759 | 3309 | 3314 | 3323 | rVB2 | 363092 | 755324 | 4.65% | 0.424% |
| 94 | 23.910 | 3501 | 3510 | 3518 | rBV3 | 546884 | 2016355 | 12.43% | 1.132% |
| 95 | 24.163 | 3546 | 3553 | 3564 | rBV2 | 232998 | 652881 | 4.02% | 0.366% |
| 96 | 24.633 | 3626 | 3633 | 3639 | rBV | 190458 | 472510 | 2.91% | 0.265% |
| 97 | 24.709 | 3639 | 3646 | 3652 | rVV3 | 427640 | 1201424 | 7.40% | 0.674% |
| 98 | 24.780 | 3652 | 3658 | 3670 | rVB | 538767 | 1471917 | 9.07% | 0.826% |
| 99 | 24.933 | 3675 | 3684 | 3692 | rBV | 451160 | 1256394 | 7.74% | 0.705% |
| 100 | 28.599 | 4300 | 4308 | 4327 | rVB4 | 128732 | 645331 | 3.98% | 0.362% |

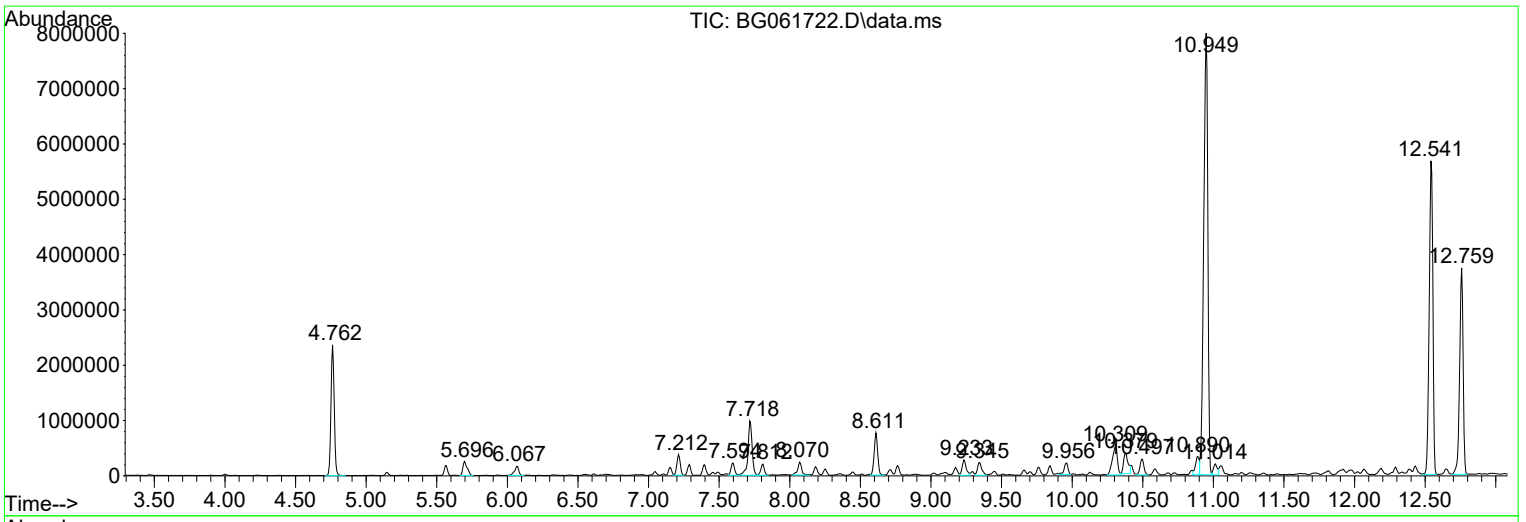
Sum of corrected areas: 178197964

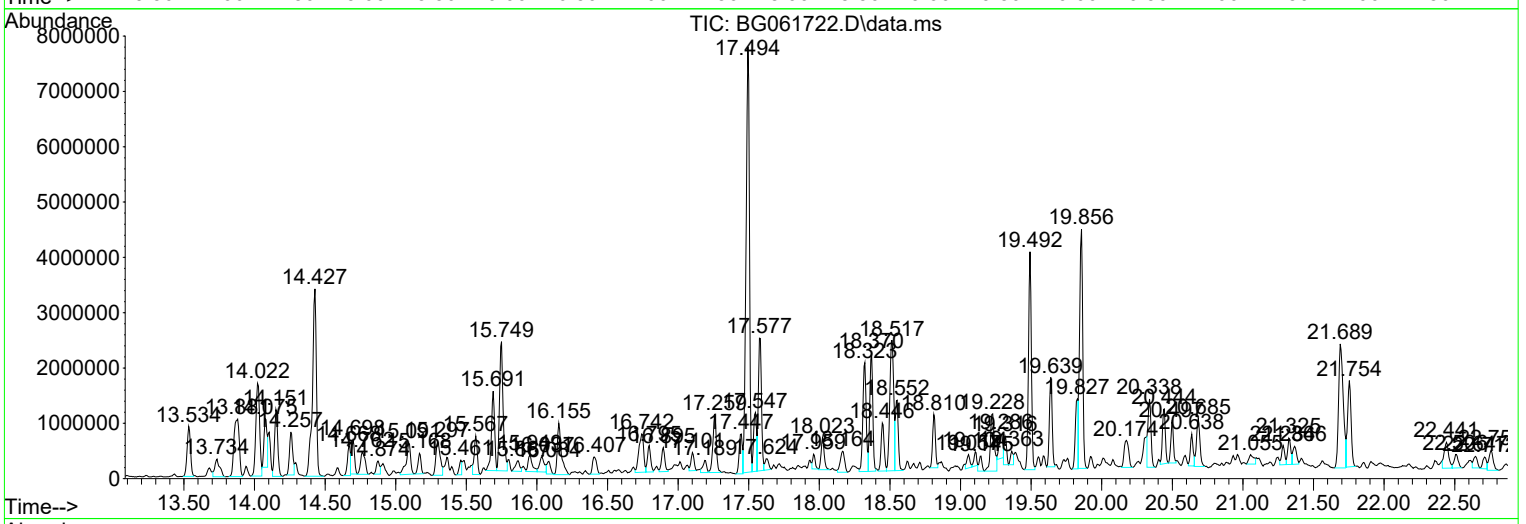
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

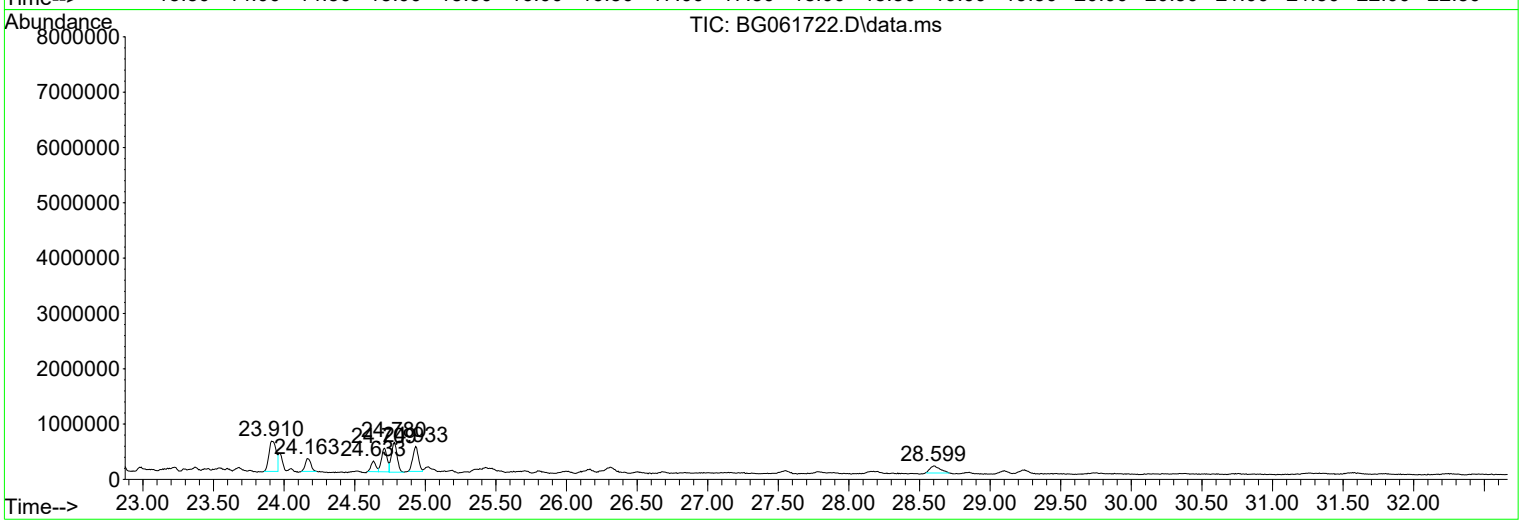
**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

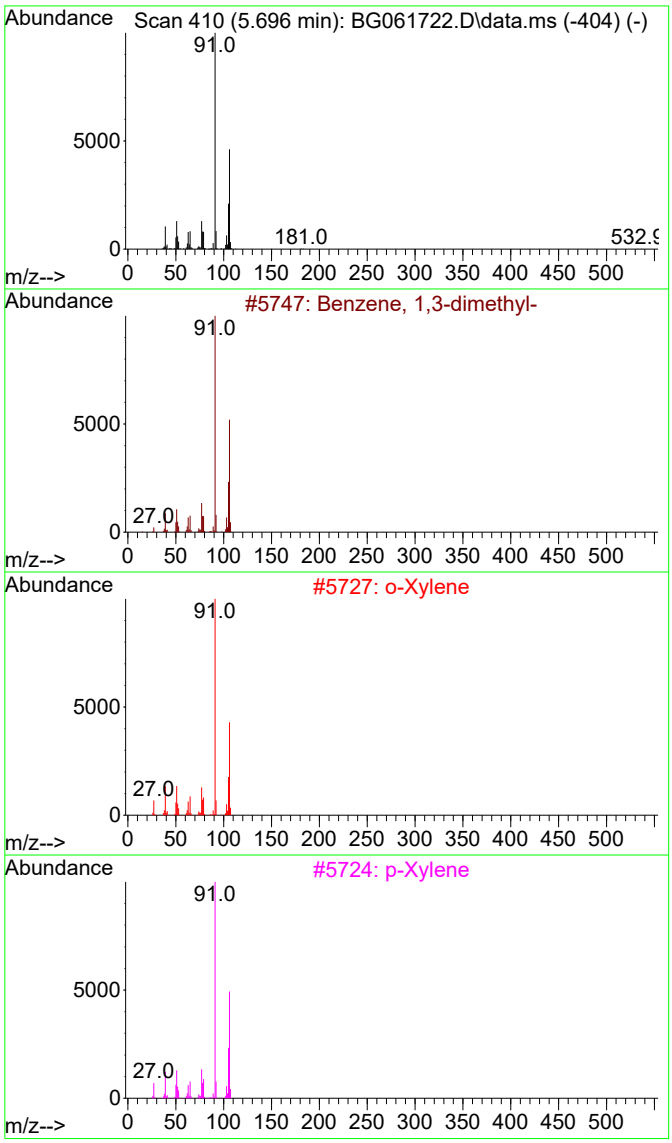
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

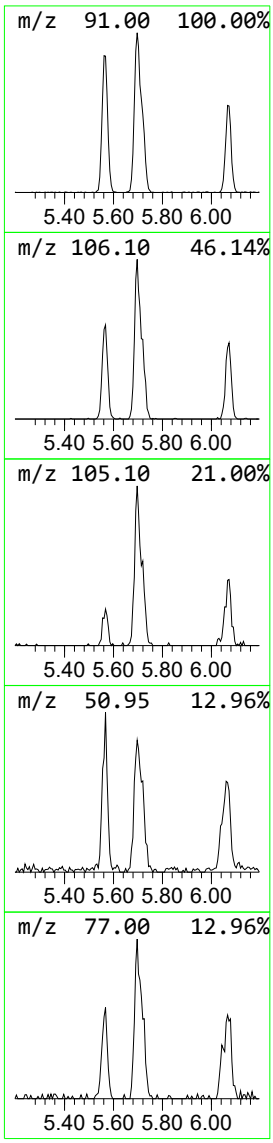
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Benzene, 1,3-dimethyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.696 | 23.66 ng/ul | 549897 | 1,4-Dichlorobenzene-d4 | 8.070 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-dimethyl- | 106 | C8H10 | 000108-38-3 | 97 |
| 2 | o-Xylene | 106 | C8H10 | 000095-47-6 | 95 |
| 3 | p-Xylene | 106 | C8H10 | 000106-42-3 | 95 |
| 4 | Benzene, 1,3-dimethyl- | 106 | C8H10 | 000108-38-3 | 95 |
| 5 | o-Xylene | 106 | C8H10 | 000095-47-6 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

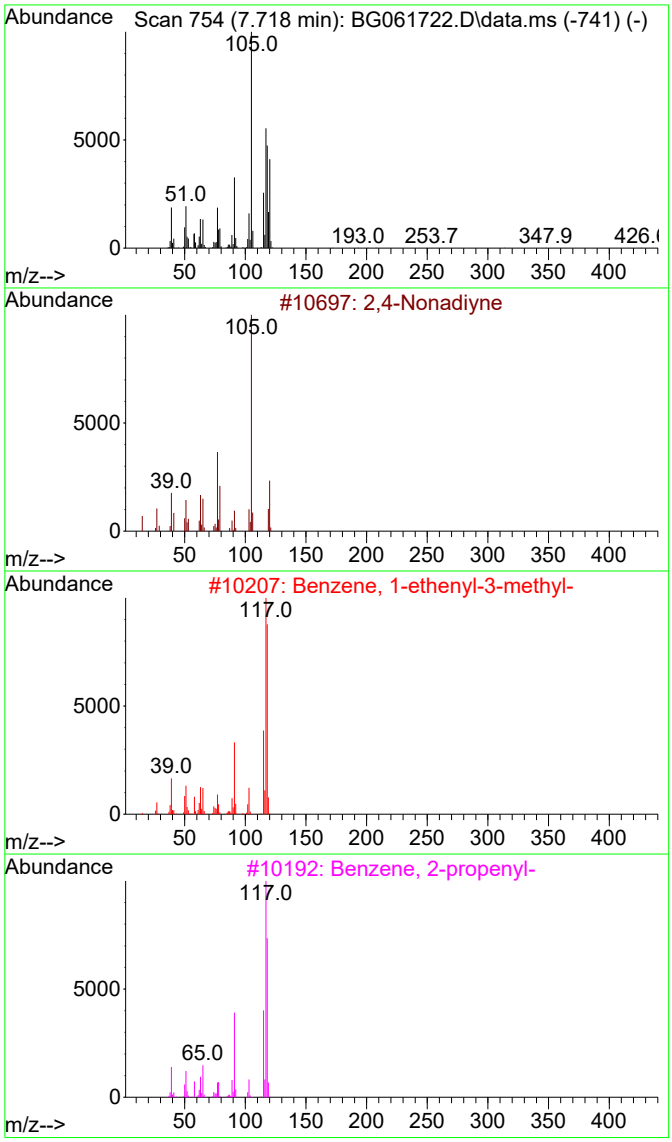
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

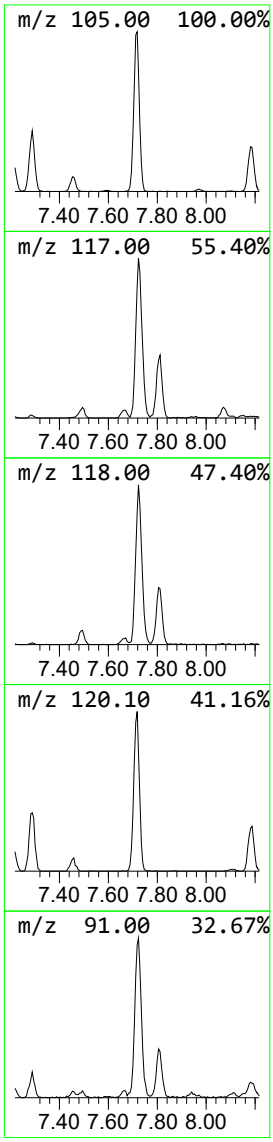
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 2,4-Nonadiyne Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.718 | 85.38 ng/ul | 1984670 | 1,4-Dichlorobenzene-d4 | 8.070 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4-Nonadiyne | 120 | C9H12 | 063621-15-8 | 89 |
| 2 | Benzene, 1-ethenyl-3-methyl- | 118 | C9H10 | 000100-80-1 | 55 |
| 3 | Benzene, 2-propenyl- | 118 | C9H10 | 000300-57-2 | 45 |
| 4 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 43 |
| 5 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 118 | C9H10 | 055337-80-9 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

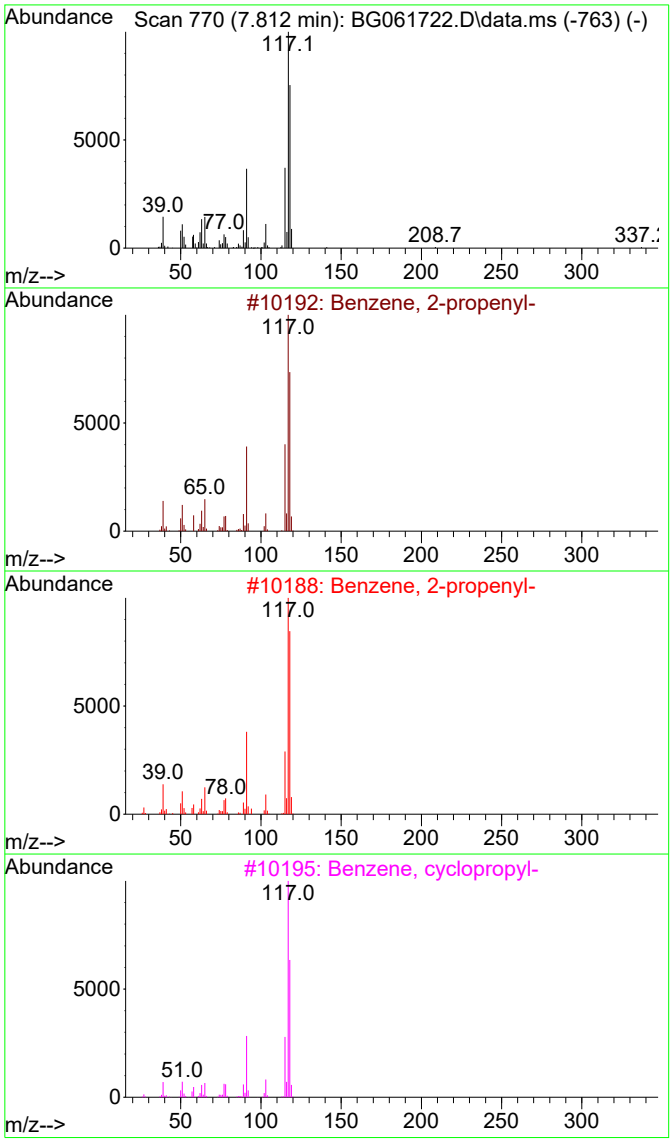
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

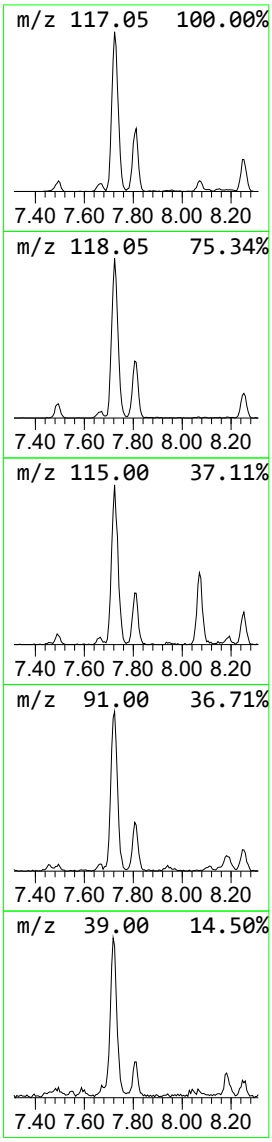
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Benzene, 2-propenyl- Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.812 | 14.94 ng/ul | 347264 | 1,4-Dichlorobenzene-d4 | 8.070 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-propenyl- | 118 | C9H10 | 000300-57-2 | 96 |
| 2 | Benzene, 2-propenyl- | 118 | C9H10 | 000300-57-2 | 95 |
| 3 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 93 |
| 4 | Benzene, 1-propenyl- | 118 | C9H10 | 000637-50-3 | 93 |
| 5 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

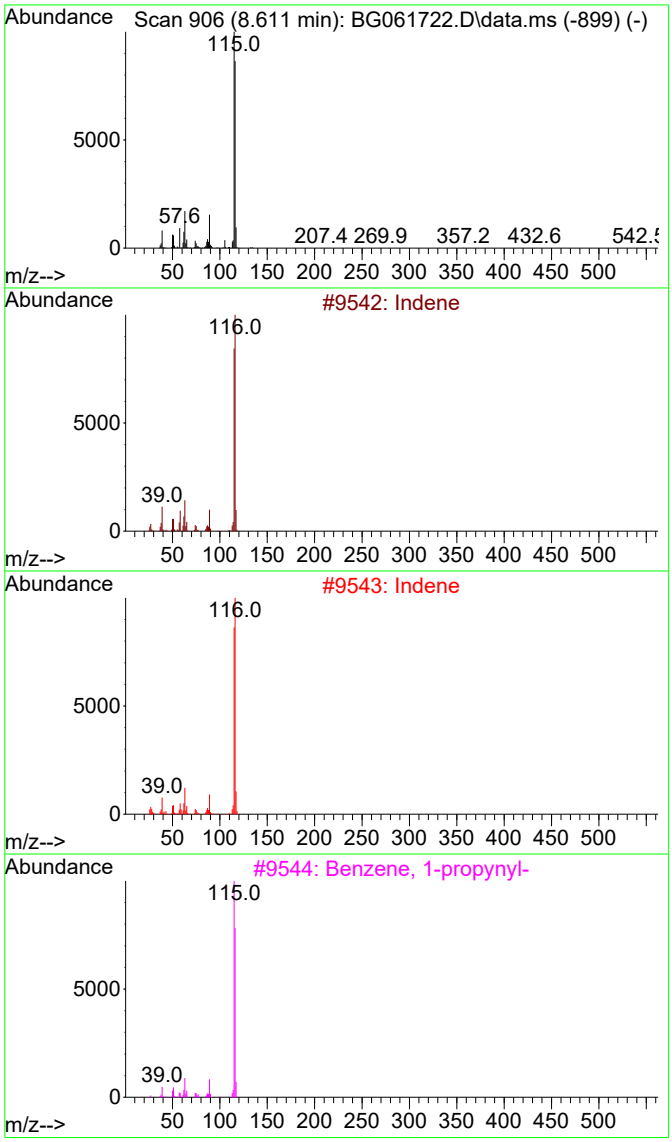
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

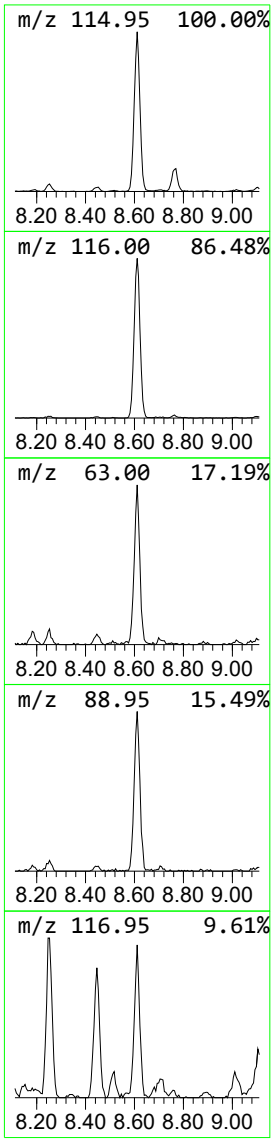
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Indene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.611 | 56.52 ng/ul | 1313880 | 1,4-Dichlorobenzene-d4 | 8.070 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indene | 116 | C9H8 | 000095-13-6 | 95 |
| 2 | Indene | 116 | C9H8 | 000095-13-6 | 94 |
| 3 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 91 |
| 4 | 3-Methylphenylacetylene | 116 | C9H8 | 000766-82-5 | 91 |
| 5 | 1-Propyne, 3-phenyl- | 116 | C9H8 | 010147-11-2 | 91 |



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Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

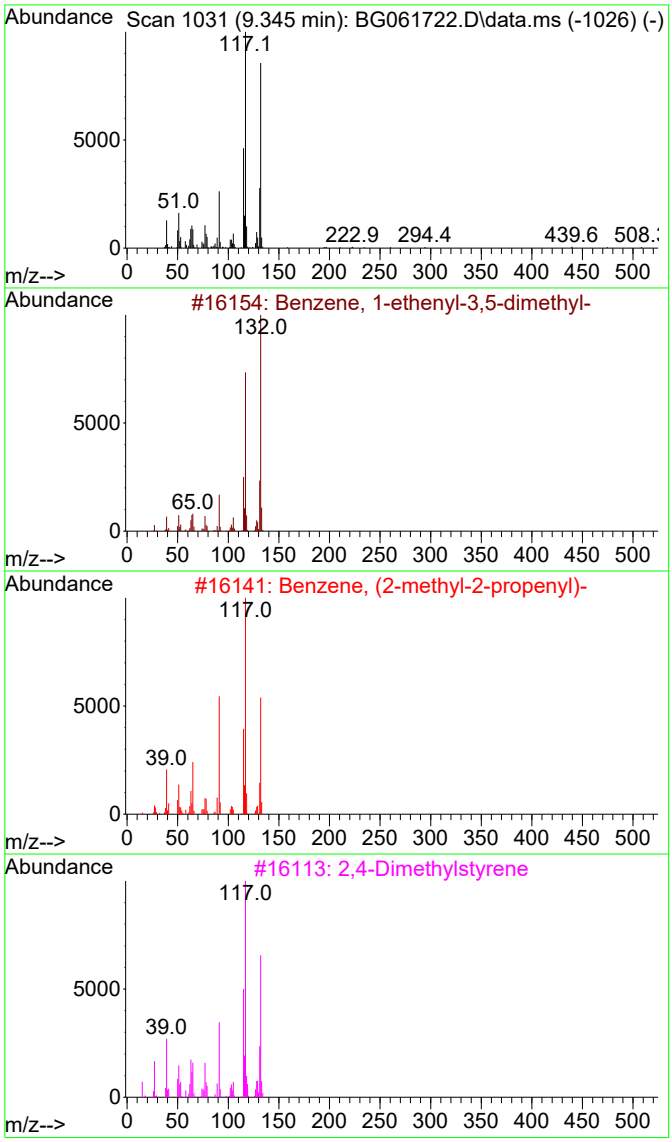
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

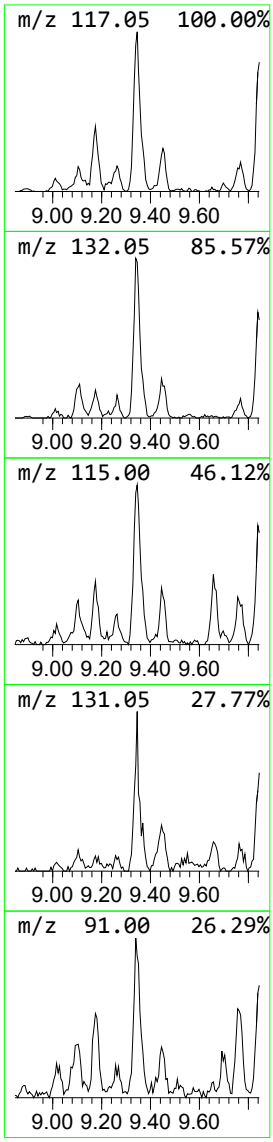
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Benzene, 1-ethenyl-3,5-dime... Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.345 | 20.72 ng/ul | 481524 | 1,4-Dichlorobenzene-d4 | 8.070 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-3,5-dimethyl- | 132 | C10H12 | 005379-20-4 | 94 |
| 2 | Benzene, (2-methyl-2-propenyl)- | 132 | C10H12 | 003290-53-7 | 94 |
| 3 | 2,4-Dimethylstyrene | 132 | C10H12 | 002234-20-0 | 94 |
| 4 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 93 |
| 5 | (E)-1-Phenyl-1-butene | 132 | C10H12 | 001005-64-7 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

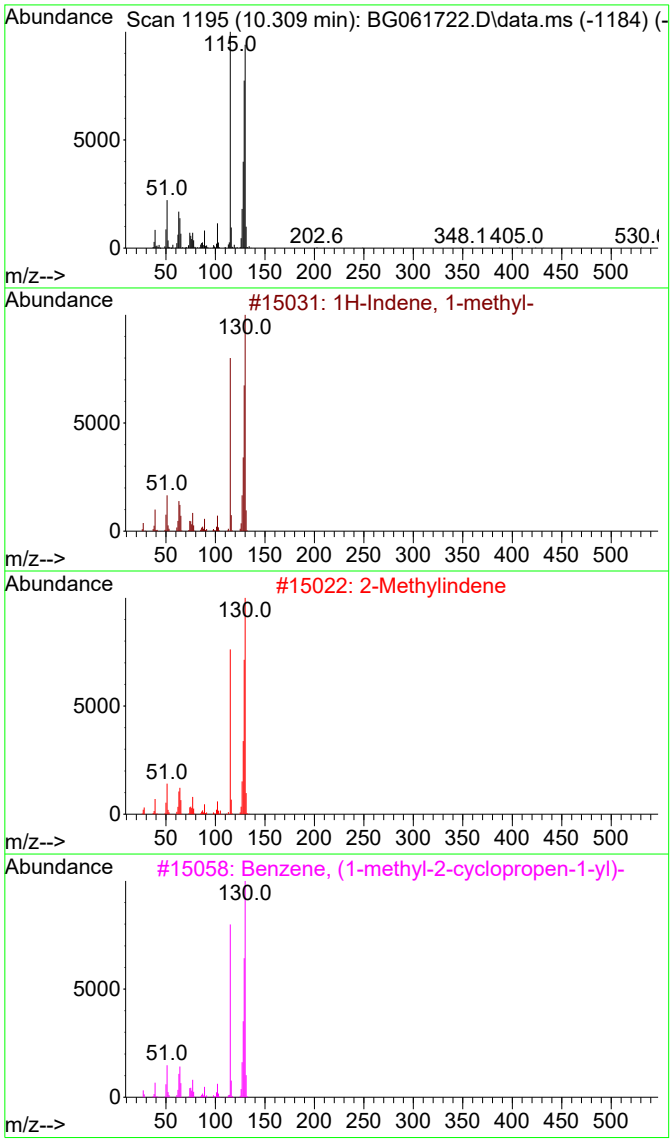
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

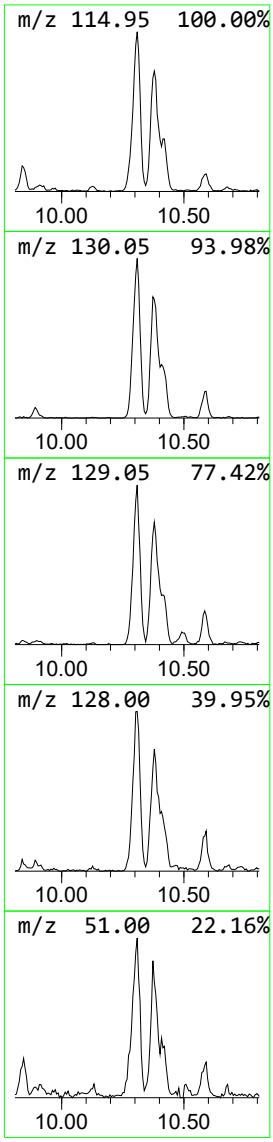
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 1H-Indene, 1-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.309 | 40.76 ng/ul | 1285070 | Naphthalene-d8 | 10.890 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 1-methyl- | 130 | C10H10 | 000767-59-9 | 96 |
| 2 | 2-Methylindene | 130 | C10H10 | 002177-47-1 | 95 |
| 3 | Benzene, (1-methyl-2-cyclopropen... | 130 | C10H10 | 065051-83-4 | 94 |
| 4 | Benzene, 1-butynyl- | 130 | C10H10 | 000622-76-4 | 94 |
| 5 | Cycloprop[a]indene, 1,1a,6,6a-te... | 130 | C10H10 | 015677-15-3 | 92 |



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Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

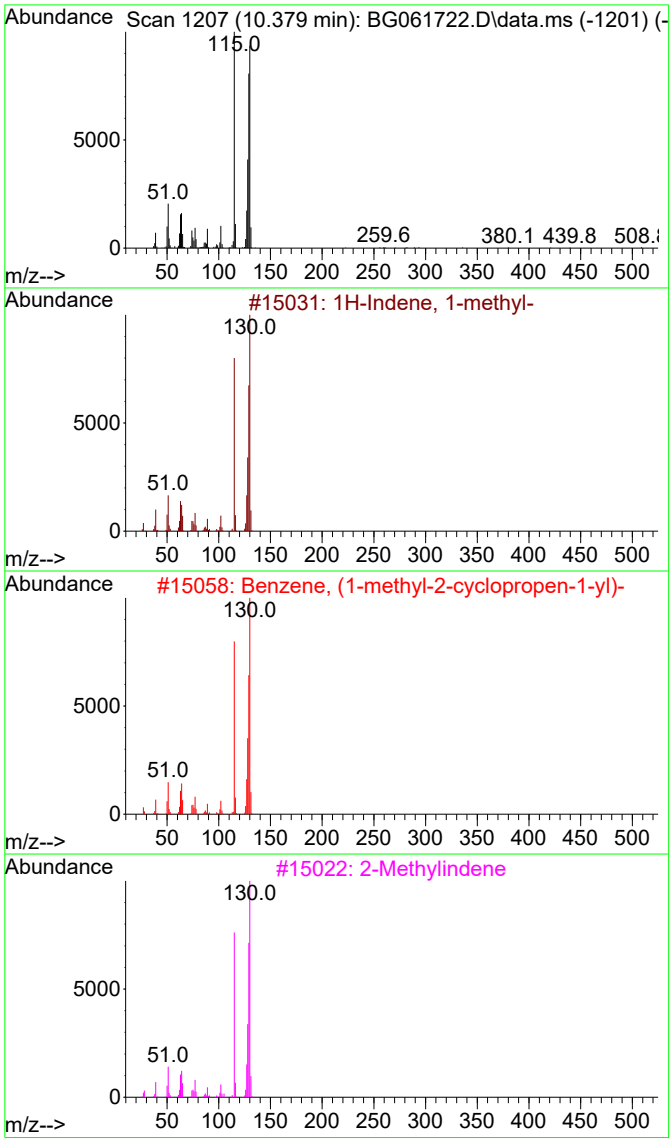
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

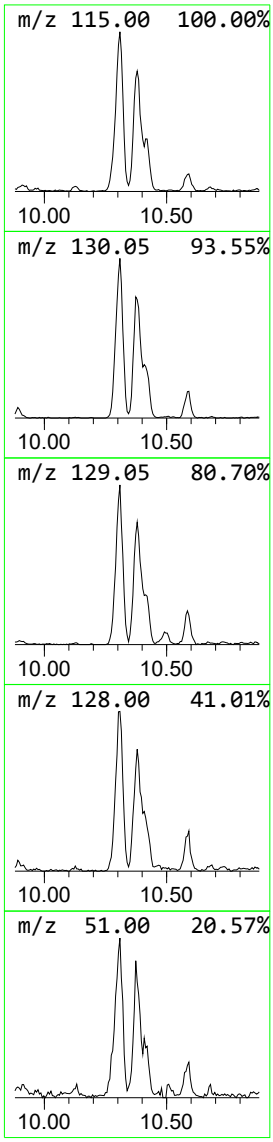
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Benzene, (1-methyl-2-cyclop... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.379 | 27.38 ng/ul | 863229 | Naphthalene-d8 | 10.890 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 1-methyl- | 130 | C10H10 | 000767-59-9 | 96 |
| 2 | Benzene, (1-methyl-2-cyclopropen... | 130 | C10H10 | 065051-83-4 | 96 |
| 3 | 2-Methylindene | 130 | C10H10 | 002177-47-1 | 95 |
| 4 | Benzene, 1-butynyl- | 130 | C10H10 | 000622-76-4 | 95 |
| 5 | Cycloprop[a]indene, 1,1a,6,6a-te... | 130 | C10H10 | 015677-15-3 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

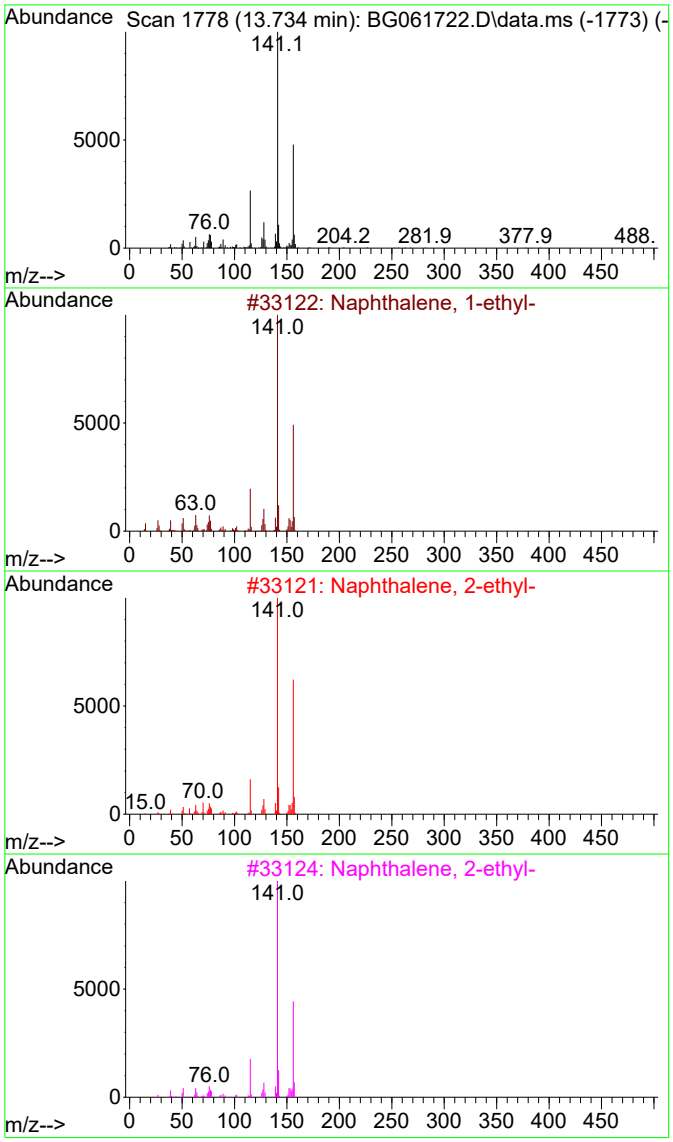
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

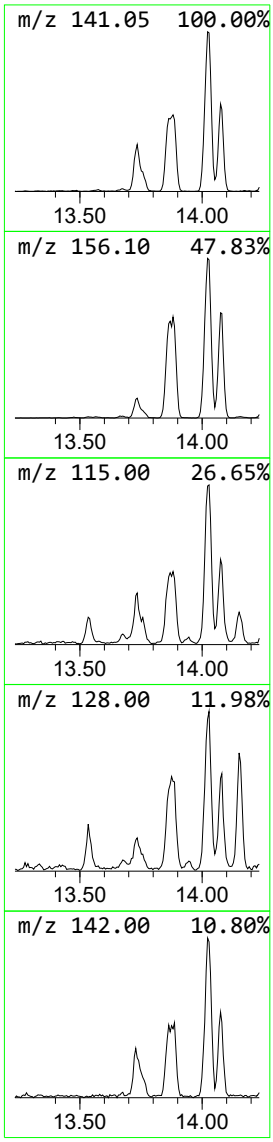
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Naphthalene, 1-ethyl- Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.734 | 17.24 ng/ul | 764975 | Acenaphthene-d10 | 14.698 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-ethyl- | 156 | C12H12 | 001127-76-0 | 93 |
| 2 | Naphthalene, 2-ethyl- | 156 | C12H12 | 000939-27-5 | 90 |
| 3 | Naphthalene, 2-ethyl- | 156 | C12H12 | 000939-27-5 | 90 |
| 4 | Naphthalene, 1-ethyl- | 156 | C12H12 | 001127-76-0 | 90 |
| 5 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
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Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

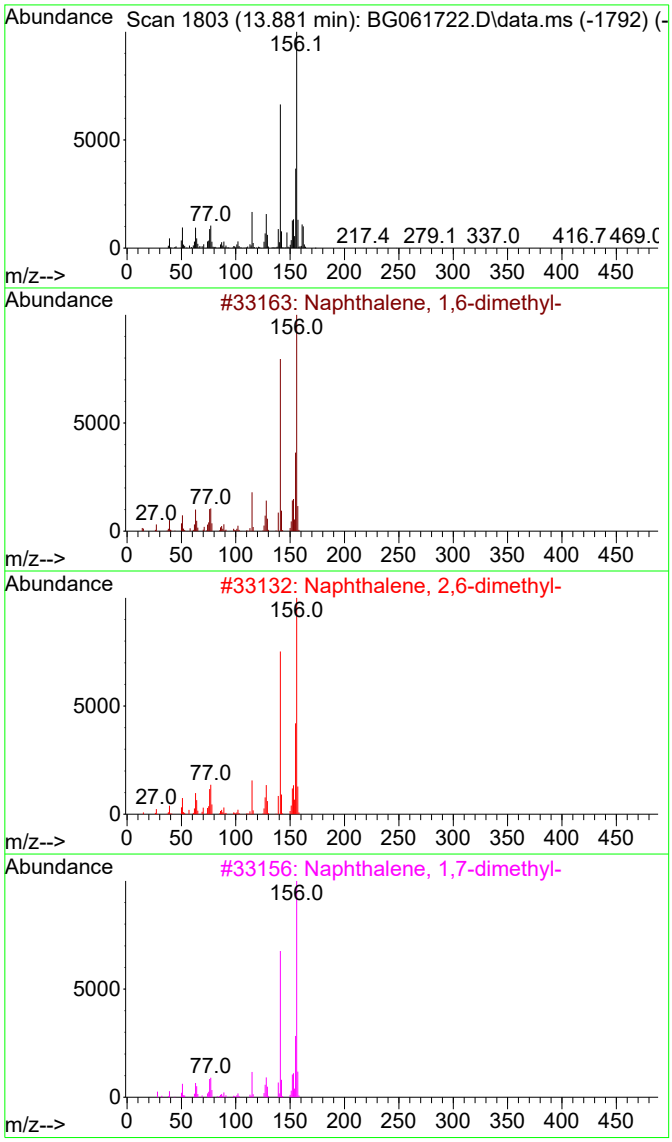
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

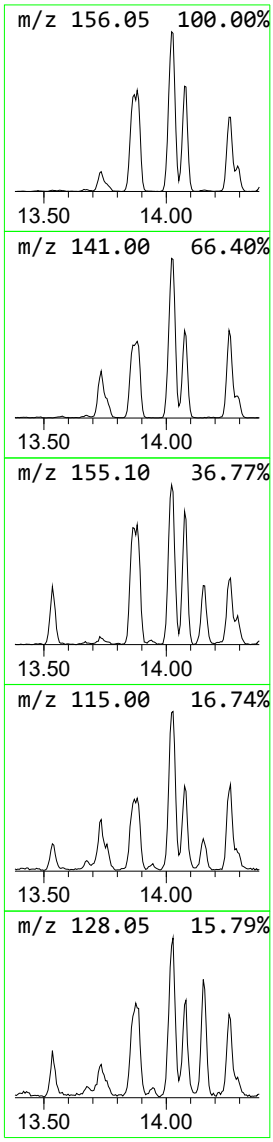
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 Naphthalene, 1,6-dimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.881 | 61.37 ng/ul | 2723890 | Acenaphthene-d10 | 14.698 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 98 |
| 2 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 97 |
| 3 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 96 |
| 4 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 96 |
| 5 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 96 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

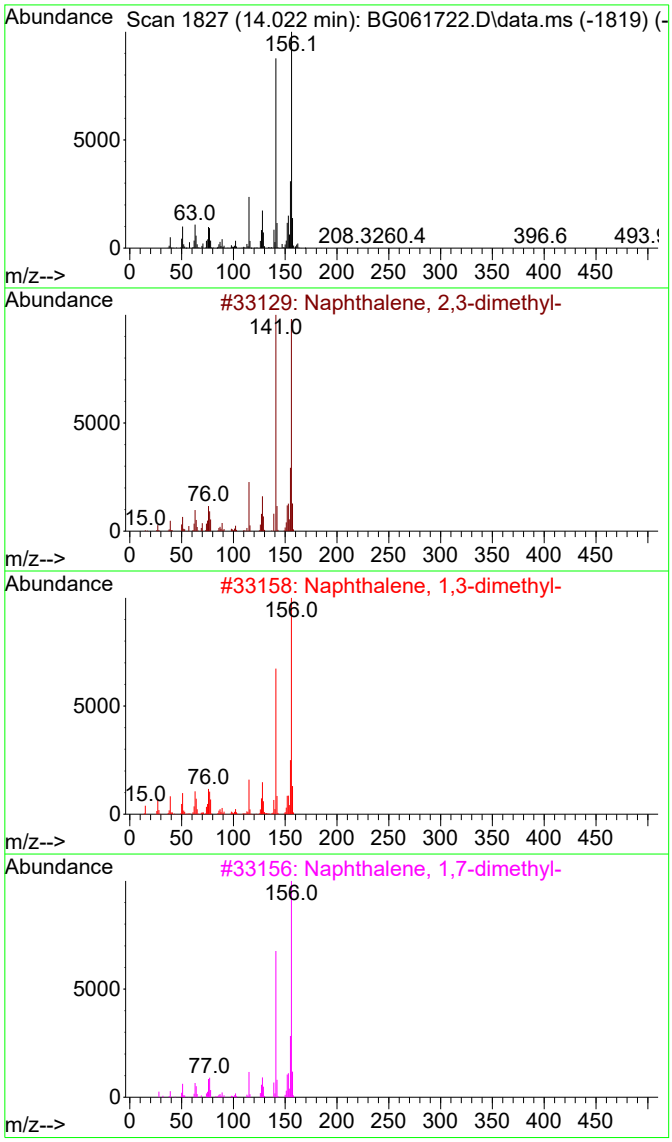
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

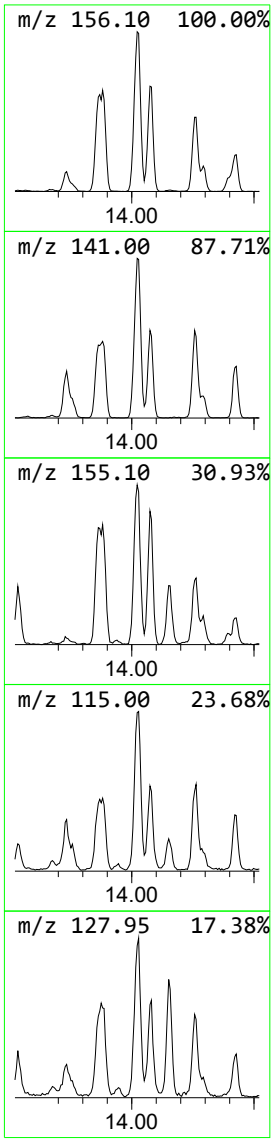
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 Naphthalene, 2,3-dimethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.022 | 70.49 ng/ul | 3128400 | Acenaphthene-d10 | 14.698 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 98 |
| 2 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 97 |
| 3 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 97 |
| 4 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 97 |
| 5 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 96 |



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Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

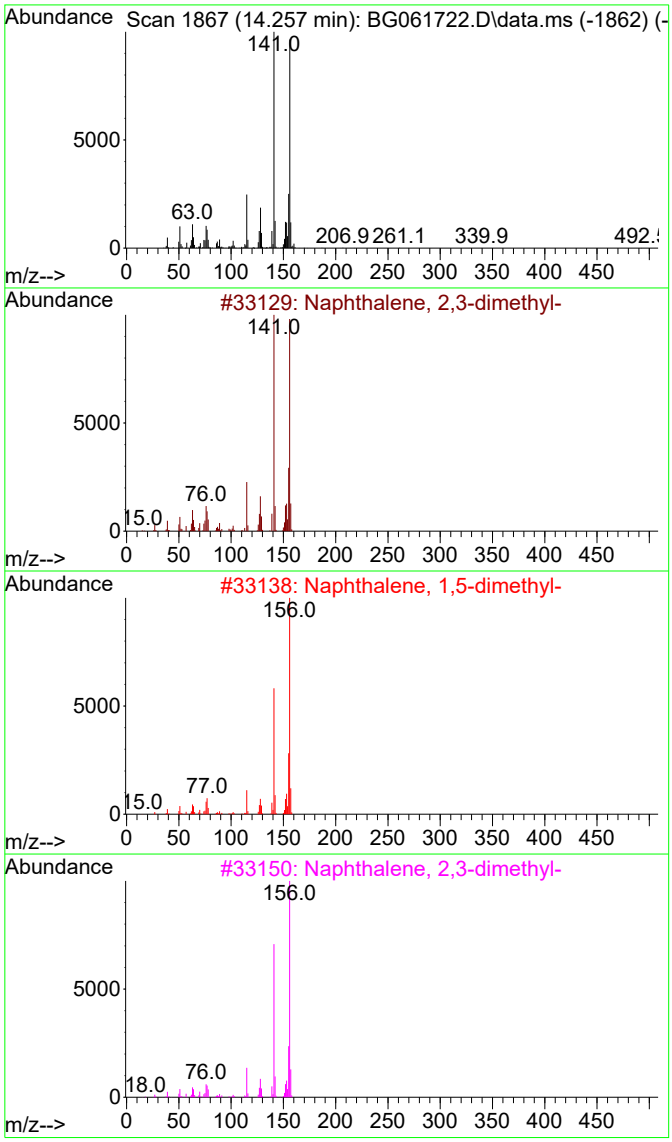
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

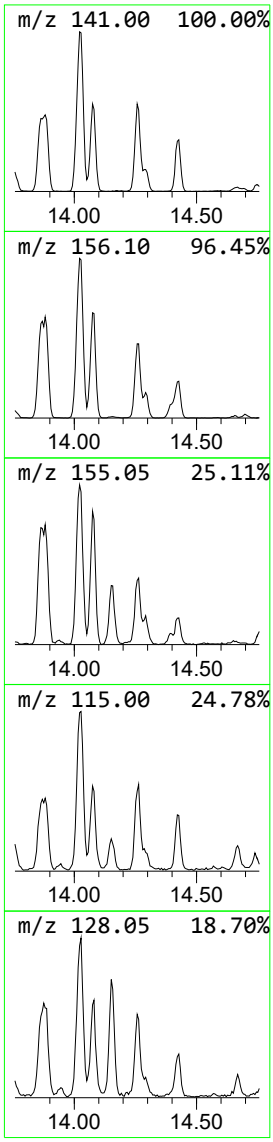
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Naphthalene, 1,5-dimethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.257 | 28.30 ng/ul | 1256230 | Acenaphthene-d10 | 14.698 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 98 |
| 2 | Naphthalene, 1,5-dimethyl- | 156 | C12H12 | 000571-61-9 | 97 |
| 3 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 97 |
| 4 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 97 |
| 5 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 97 |



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Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

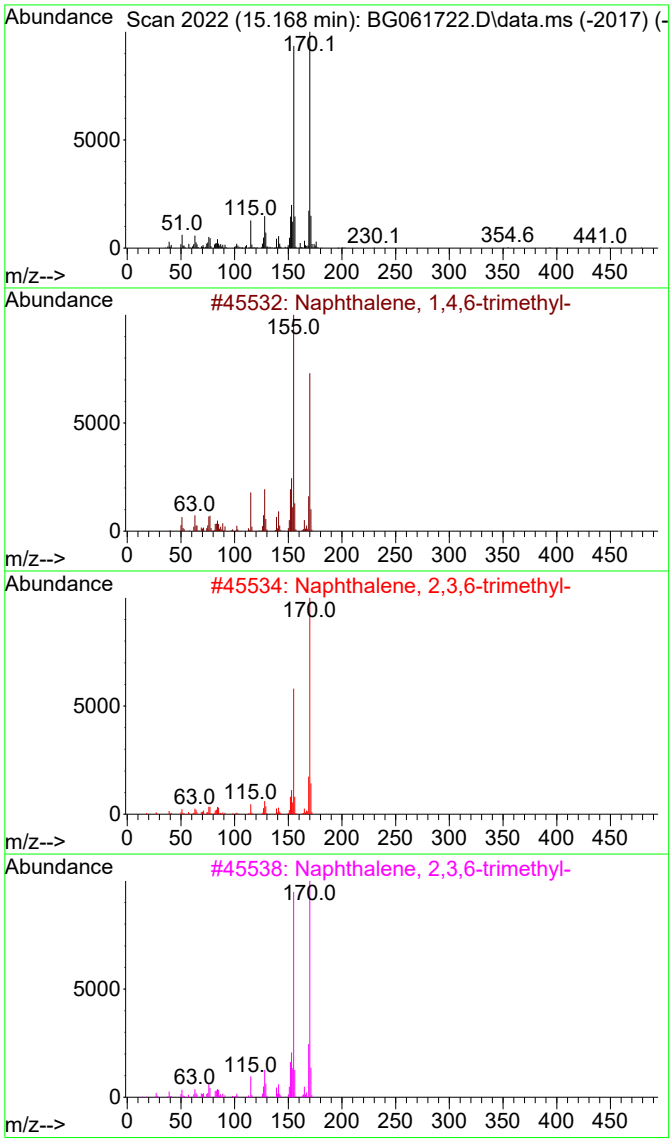
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

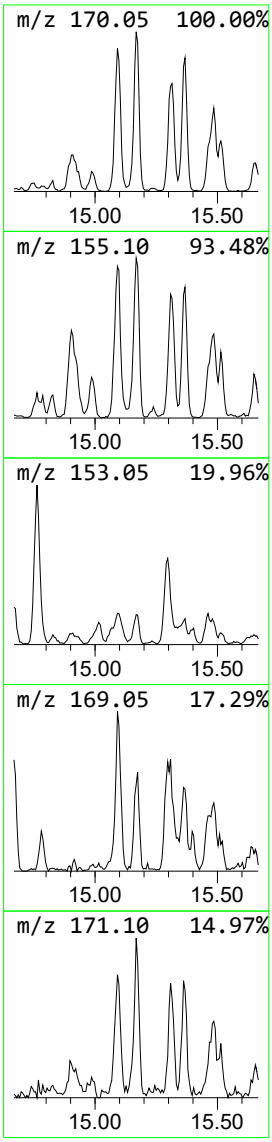
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 Naphthalene, 1,4,6-trimethyl- Concentration Rank 32

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.168 | 12.37 ng/ul | 548878 | Acenaphthene-d10 | 14.698 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14 | 002131-42-2 | 97 |
| 2 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 97 |
| 3 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 97 |
| 4 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 96 |
| 5 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

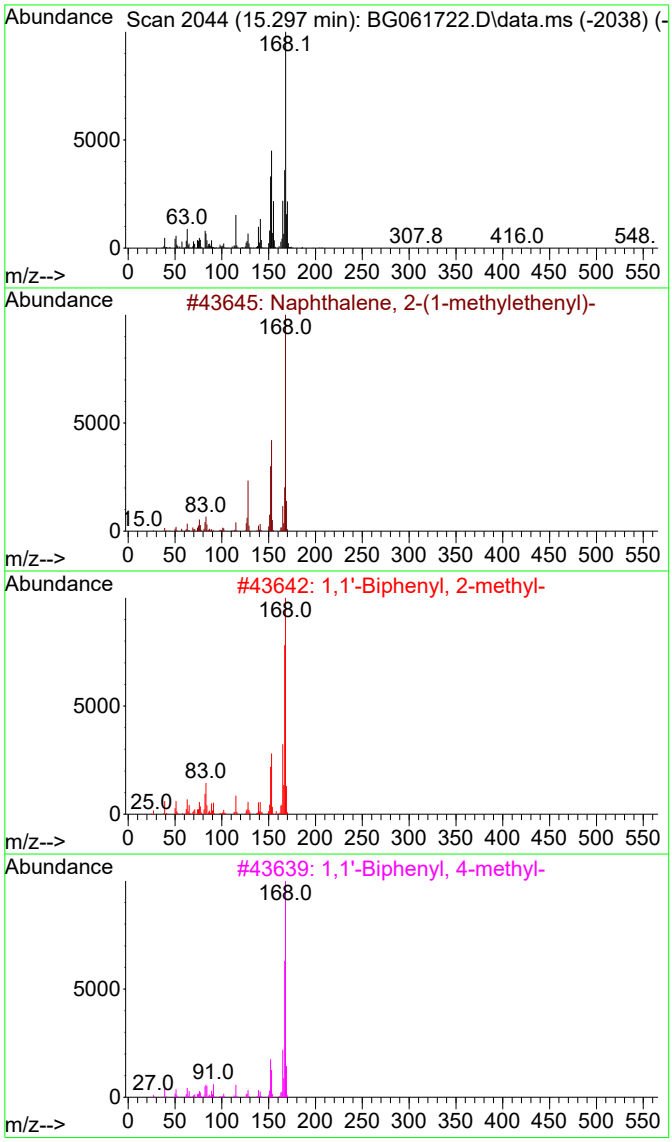
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

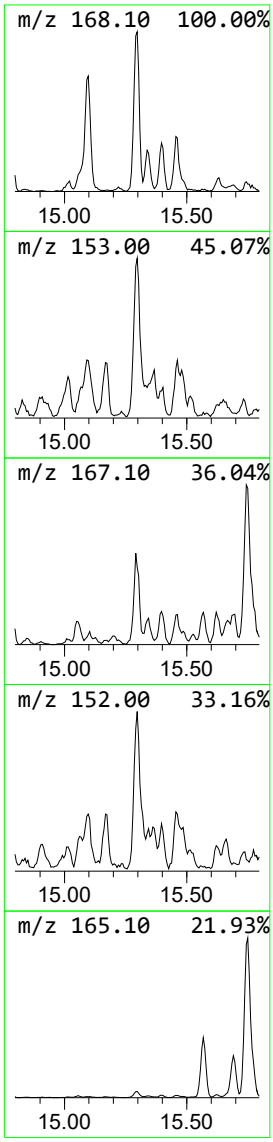
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 Naphthalene, 2-(1-methyleth... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.297 | 29.82 ng/ul | 1323490 | Acenaphthene-d10 | 14.698 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-(1-methylethenyl)- | 168 | C13H12 | 003710-23-4 | 62 |
| 2 | 1,1'-Biphenyl, 2-methyl- | 168 | C13H12 | 000643-58-3 | 52 |
| 3 | 1,1'-Biphenyl, 4-methyl- | 168 | C13H12 | 000644-08-6 | 46 |
| 4 | 1,1'-Biphenyl, 2-methyl- | 168 | C13H12 | 000643-58-3 | 46 |
| 5 | 4-Methoxy-2-methyl-1-(methylthio... | 168 | C9H12OS | 022583-04-6 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

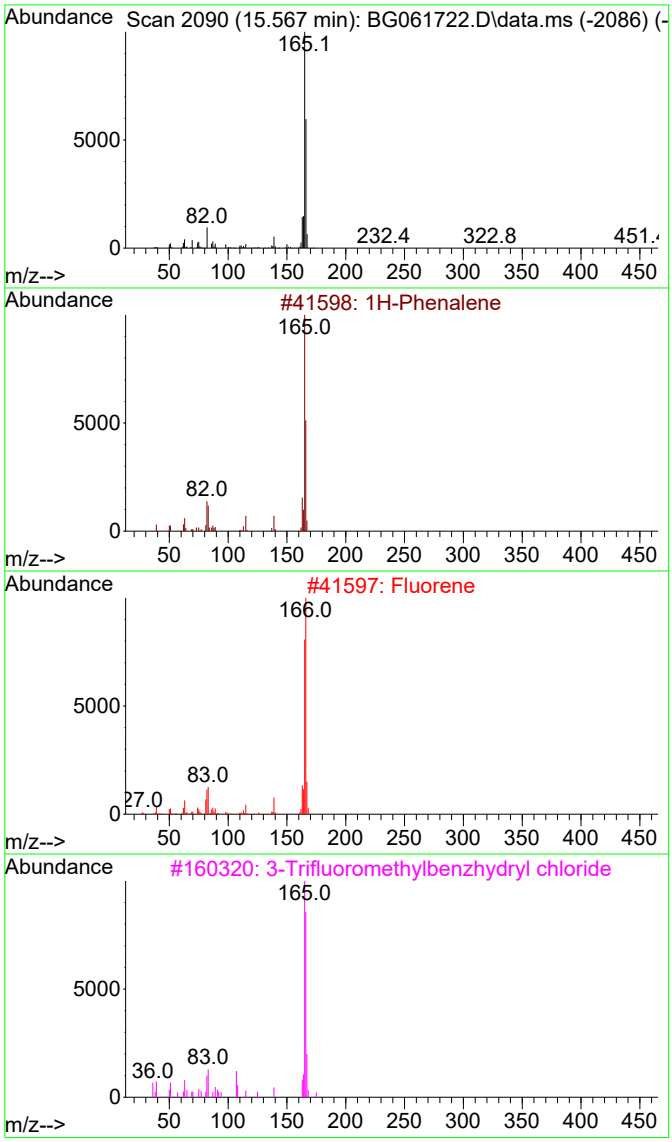
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

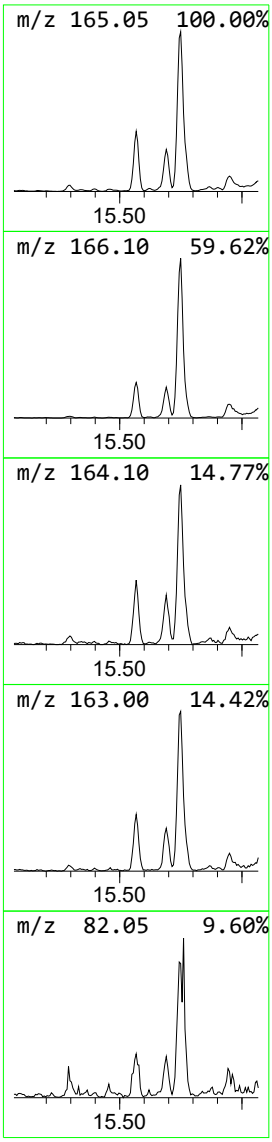
**********

Peak Number 17 1H-Phenalene Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.567 | 23.20 ng/ul | 1029790 | Acenaphthene-d10 | 14.698 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Phenalene | 166 | C13H10 | 000203-80-5 | 72 |
| 2 | Fluorene | 166 | C13H10 | 000086-73-7 | 43 |
| 3 | 3-Trifluoromethylbenzhydryl chlo... | 270 | C14H10ClF3 | 067240-79-3 | 40 |
| 4 | Fluorene | 166 | C13H10 | 000086-73-7 | 38 |
| 5 | 9H-Fluorene, 9-bromo- | 244 | C13H9Br | 001940-57-4 | 22 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

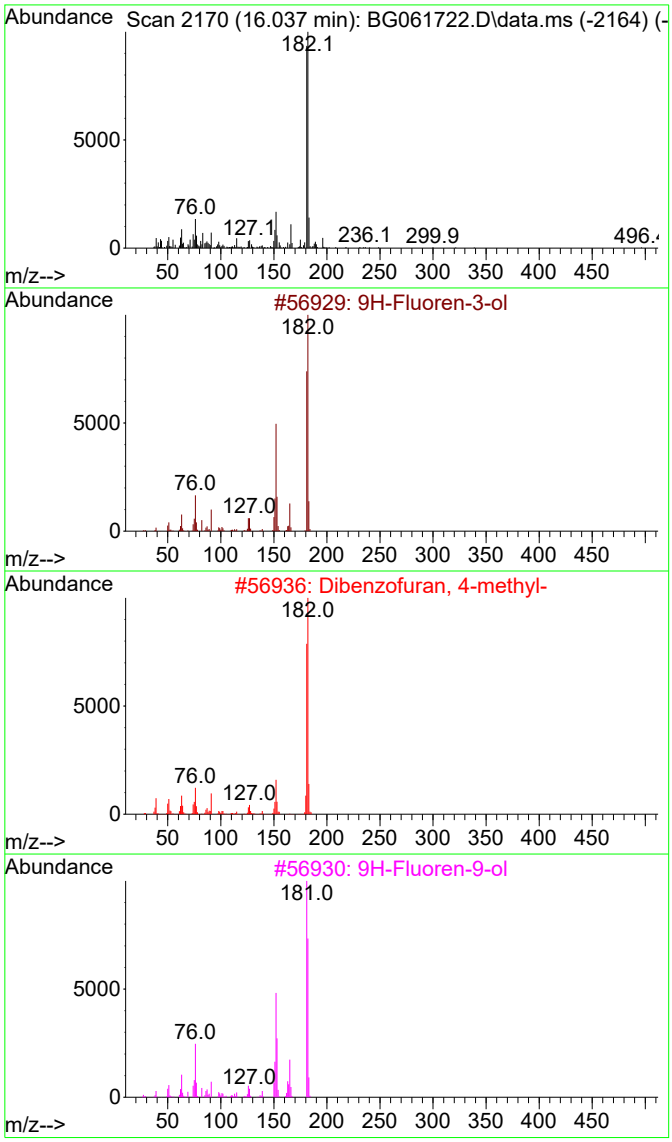
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

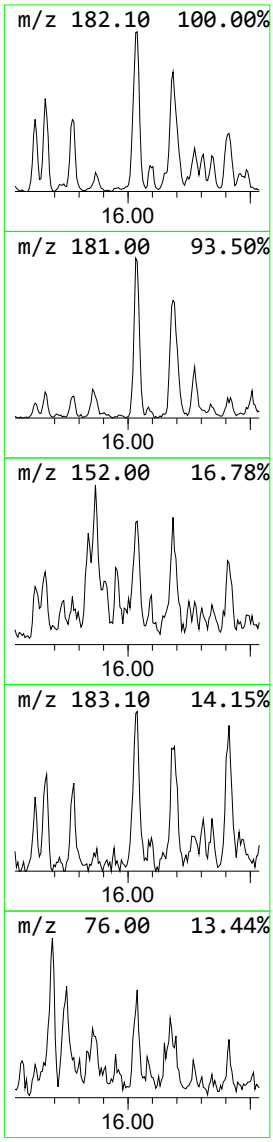
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 20 9H-Fluoren-3-ol Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.037 | 14.71 ng/ul | 652687 | Acenaphthene-d10 | 14.698 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluoren-3-ol | 182 | C13H10O | 006344-67-8 | 90 |
| 2 | Dibenzofuran, 4-methyl- | 182 | C13H10O | 007320-53-8 | 87 |
| 3 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 86 |
| 4 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 81 |
| 5 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 80 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

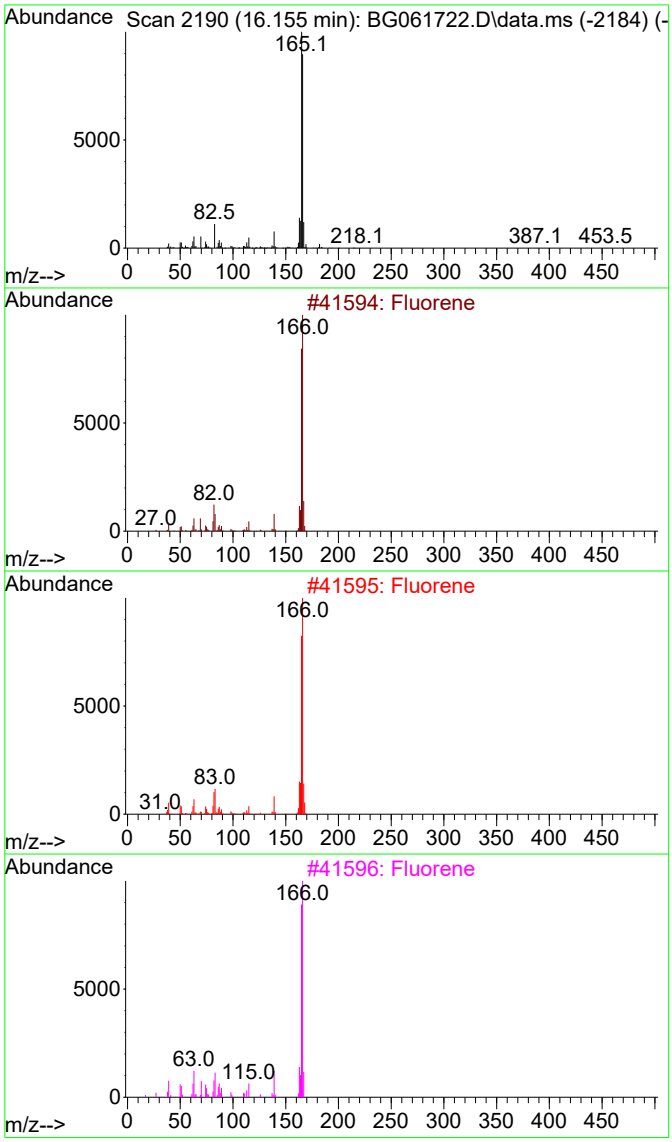
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

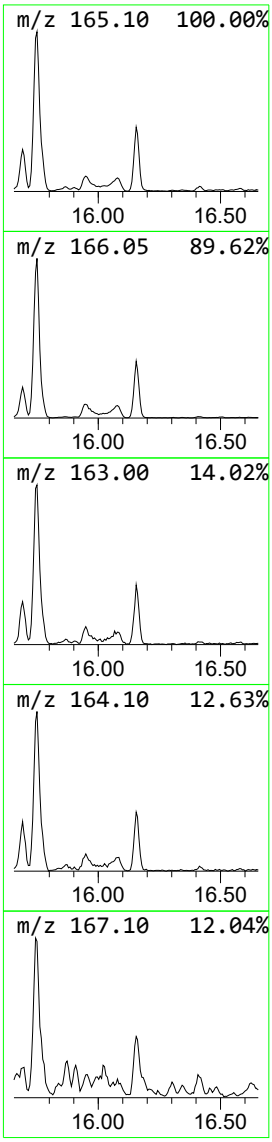
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 22 3-Trifluoromethylbenzhydryl... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.155 | 30.67 ng/ul | 1821100 | Phenanthrene-d10 | 17.442 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Fluorene | 166 | C13H10 | 000086-73-7 | 97 |
| 2 | Fluorene | 166 | C13H10 | 000086-73-7 | 95 |
| 3 | Fluorene | 166 | C13H10 | 000086-73-7 | 93 |
| 4 | Fluorene | 166 | C13H10 | 000086-73-7 | 76 |
| 5 | 3-Trifluoromethylbenzhydryl chlo... | 270 | C14H10ClF3 | 067240-79-3 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

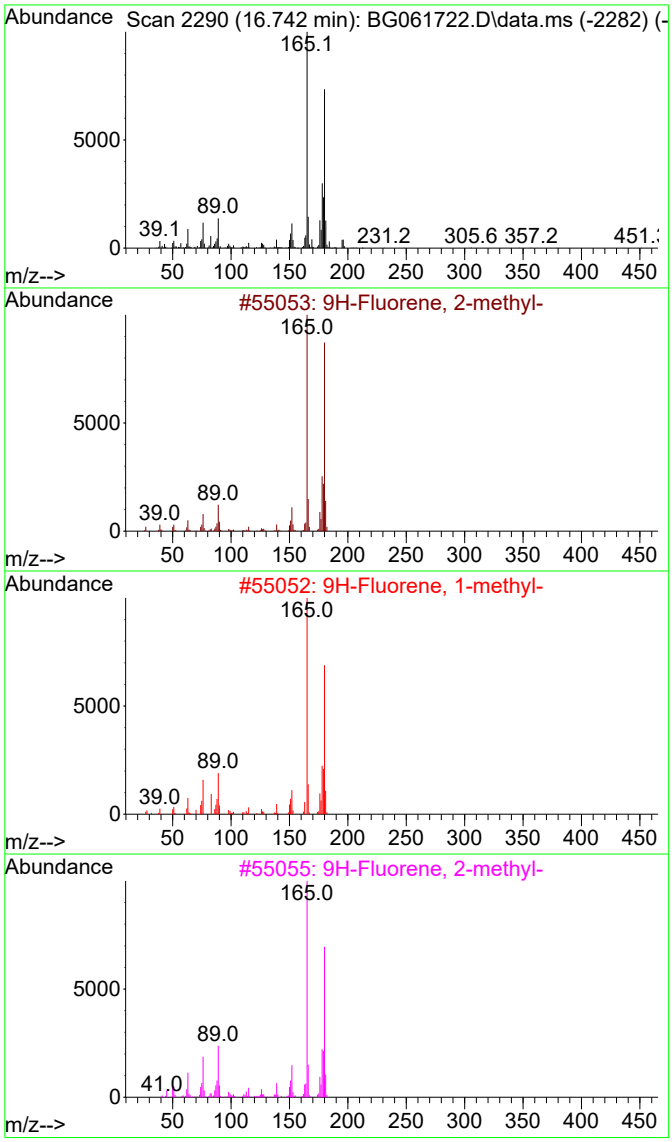
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

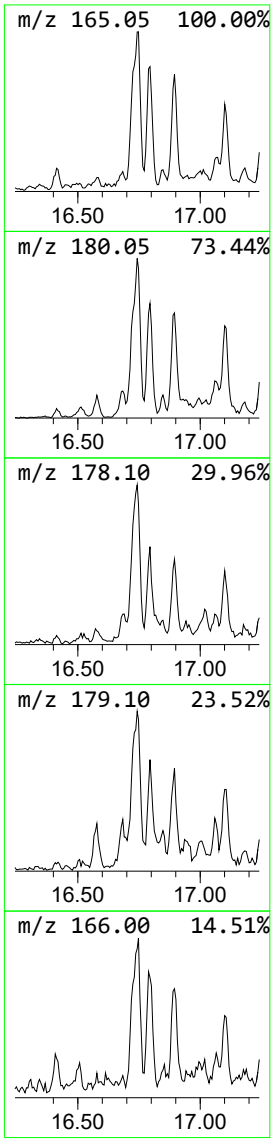
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 24 9H-Fluorene, 2-methyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.742 | 27.56 ng/ul | 1636120 | Phenanthrene-d10 | 17.442 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 97 |
| 2 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 96 |
| 3 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 96 |
| 4 | 9H-Fluorene, 3-methyl- | 180 | C14H12 | 002523-39-9 | 94 |
| 5 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 94 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

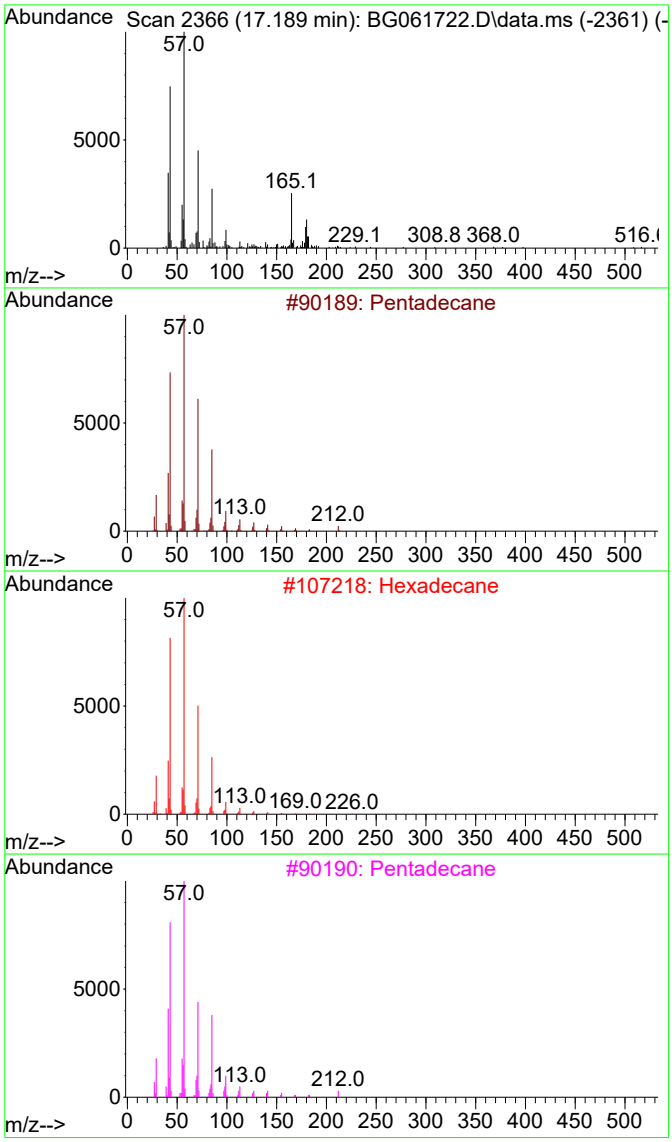
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

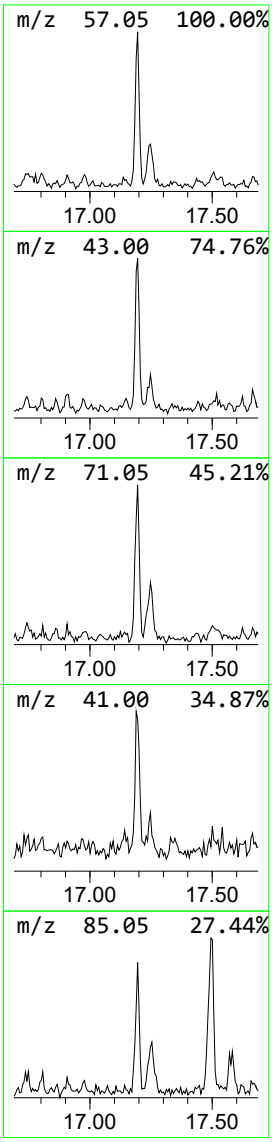
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 43

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.189 | 6.65 ng/ul | 394616 | Phenanthrene-d10 | 17.442 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane | 212 | C15H32 | 000629-62-9 | 50 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 49 |
| 3 | Pentadecane | 212 | C15H32 | 000629-62-9 | 49 |
| 4 | Tetradecane | 198 | C14H30 | 000629-59-4 | 47 |
| 5 | Decane, 3,8-dimethyl- | 170 | C12H26 | 017312-55-9 | 45 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

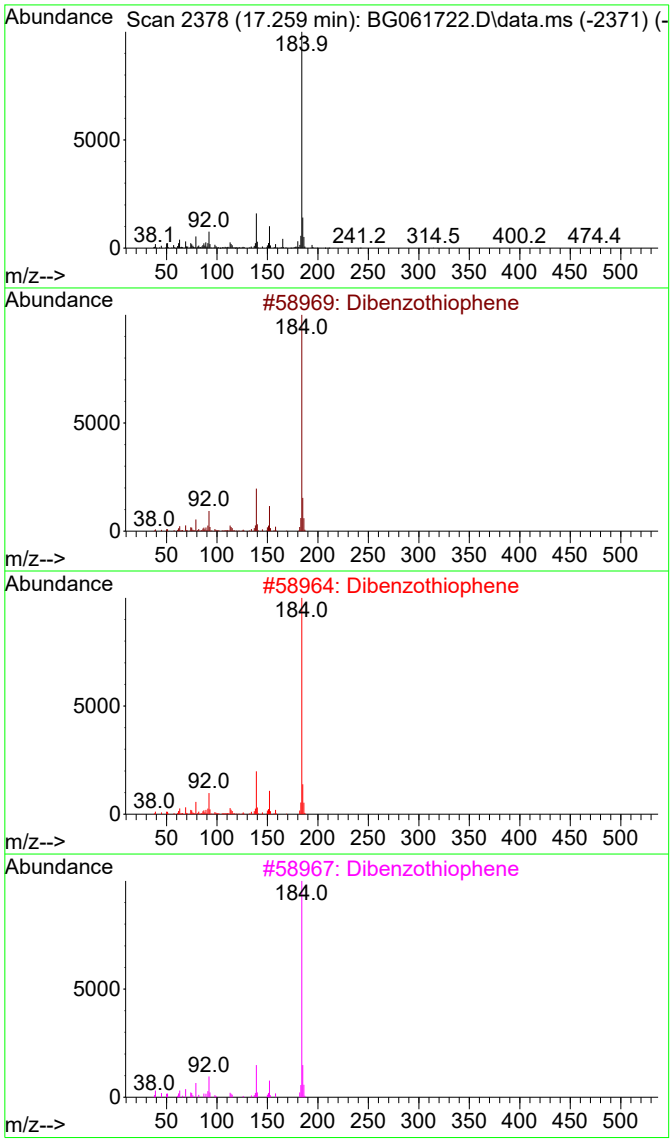
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

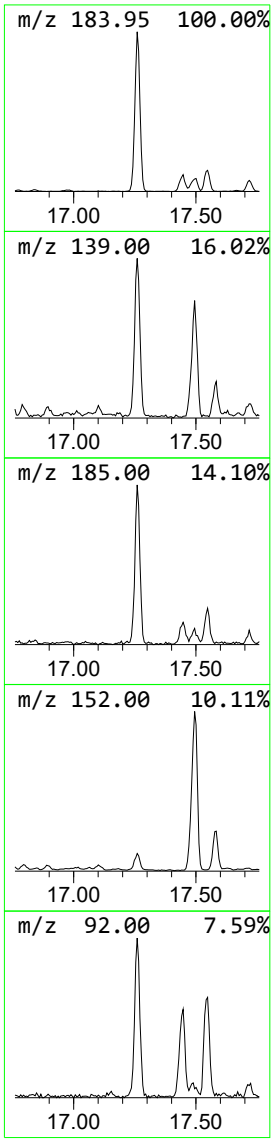
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 29 Dibenzothiophene Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.259 | 30.04 ng/ul | 1783700 | Phenanthrene-d10 | 17.442 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 97 |
| 2 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 97 |
| 3 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 97 |
| 4 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 95 |
| 5 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

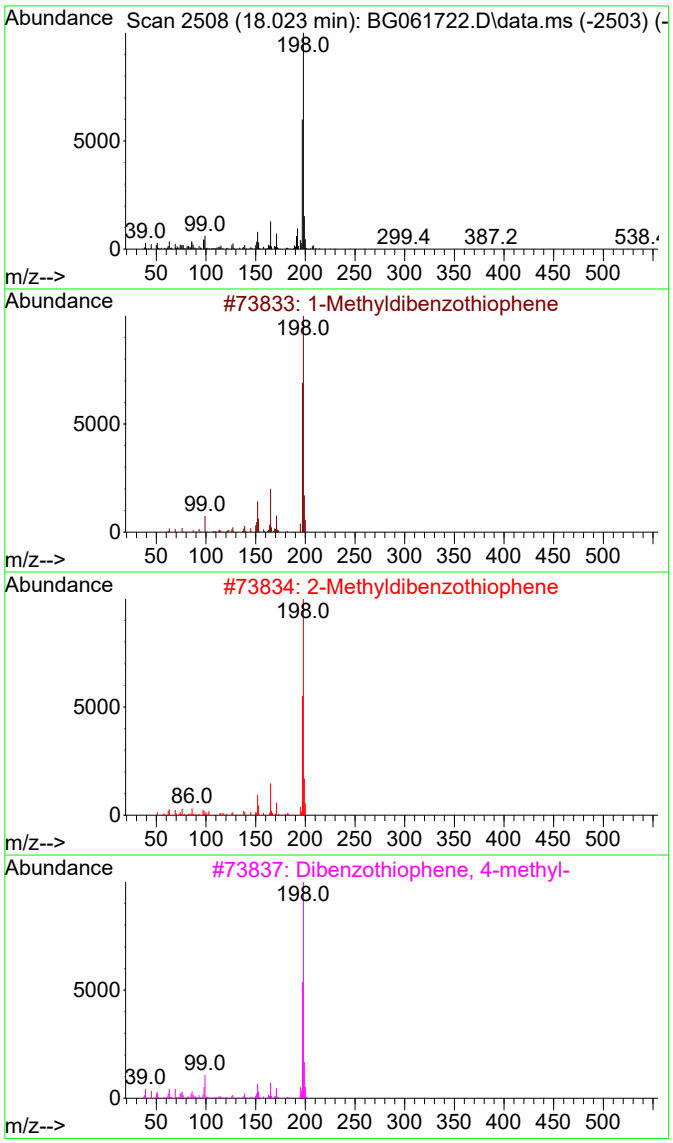
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

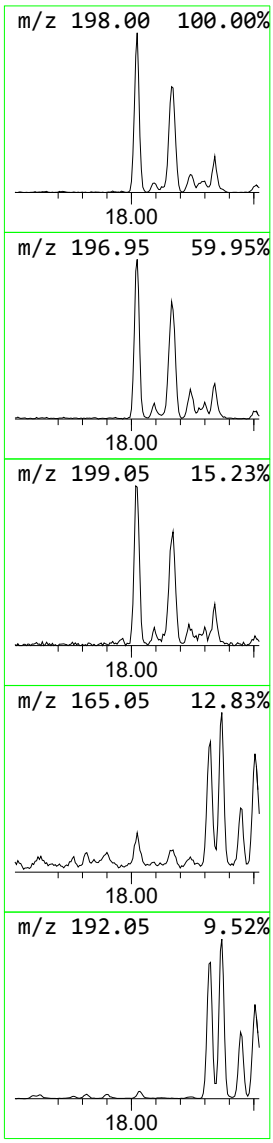
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 31 1-Methyldibenzothiophene Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.023 | 15.02 ng/ul | 891598 | Phenanthrene-d10 | 17.442 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Methyldibenzothiophene | 198 | C13H10S | 031317-07-4 | 95 |
| 2 | 2-Methyldibenzothiophene | 198 | C13H10S | 1000383-55-1 | 93 |
| 3 | Dibenzothiophene, 4-methyl- | 198 | C13H10S | 007372-88-5 | 72 |
| 4 | Benzenamine, 4,4'-methylenebis- | 198 | C13H14N2 | 000101-77-9 | 72 |
| 5 | Benzenamine, 4,4'-methylenebis- | 198 | C13H14N2 | 000101-77-9 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

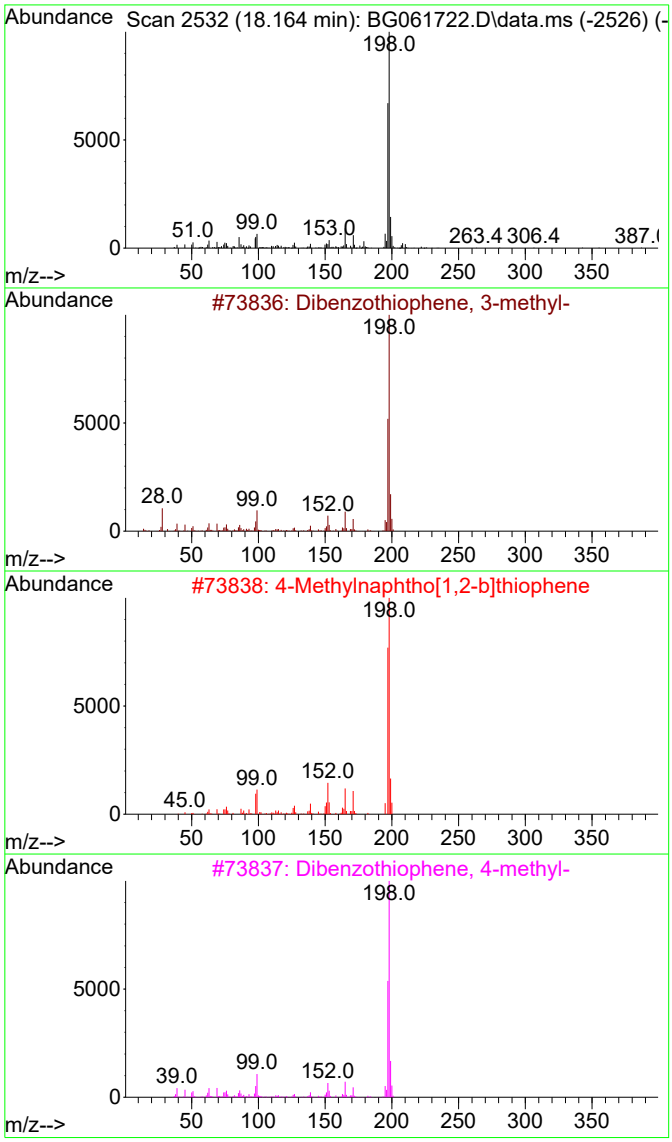
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

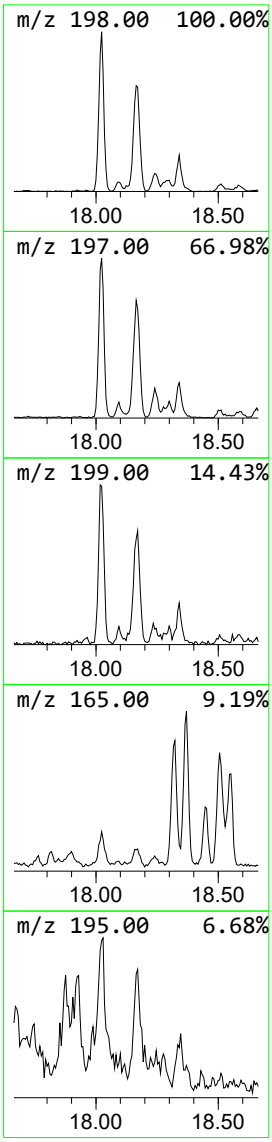
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 32 Dibenzothiophene, 3-methyl- Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.164 | 13.57 ng/ul | 805672 | Phenanthrene-d10 | 17.442 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene, 3-methyl- | 198 | C13H10S | 016587-52-3 | 95 |
| 2 | 4-Methylnaphtho[1,2-b]thiophene | 198 | C13H10S | 067388-11-8 | 95 |
| 3 | Dibenzothiophene, 4-methyl- | 198 | C13H10S | 007372-88-5 | 94 |
| 4 | 1-Methyldibenzothiophene | 198 | C13H10S | 031317-07-4 | 90 |
| 5 | Benzenamine, 4,4'-methylenebis- | 198 | C13H14N2 | 000101-77-9 | 83 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

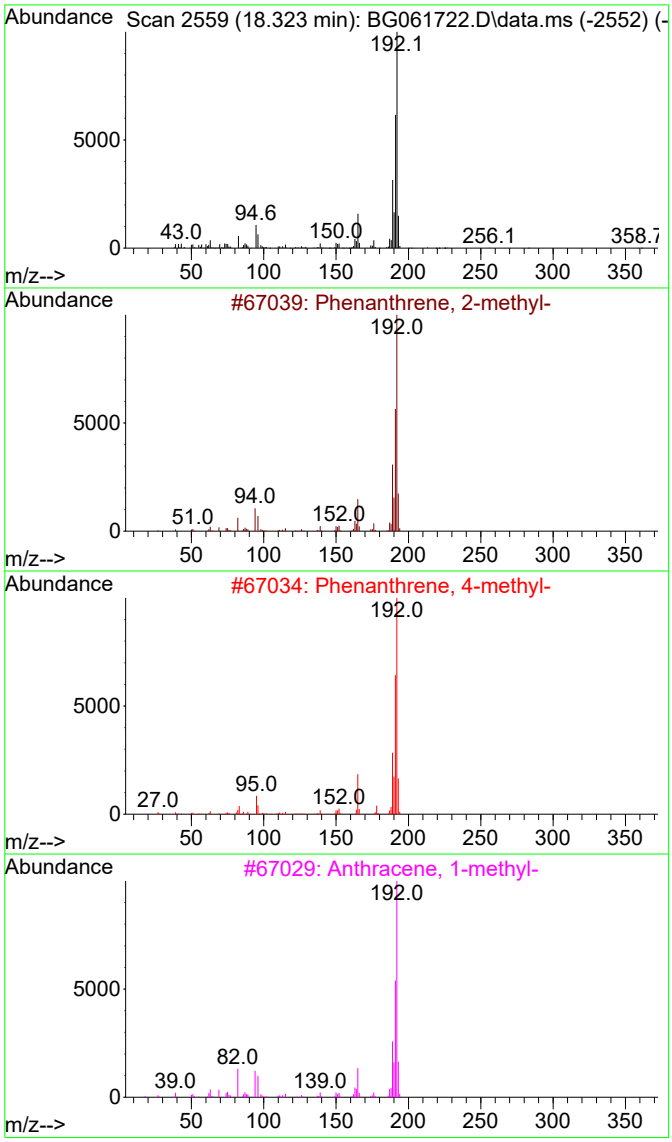
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

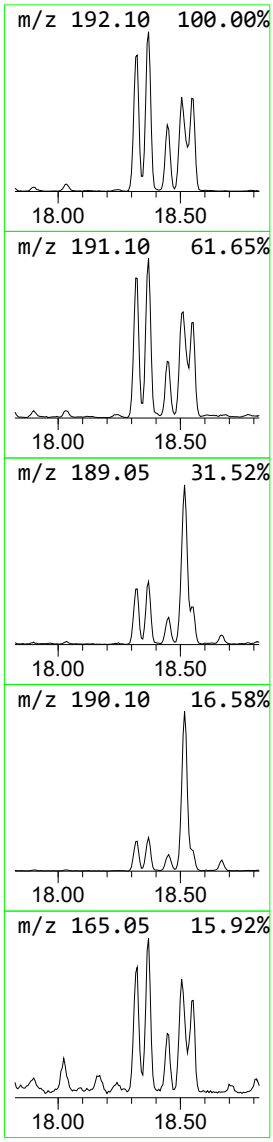
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 33 Phenanthrene, 2-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.323 | 55.29 ng/ul | 3282700 | Phenanthrene-d10 | 17.442 |

| 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 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 95 |
| 4 | 5H-Dibenzo[a,d]cycloheptene | 192 | C15H12 | 000256-81-5 | 94 |
| 5 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

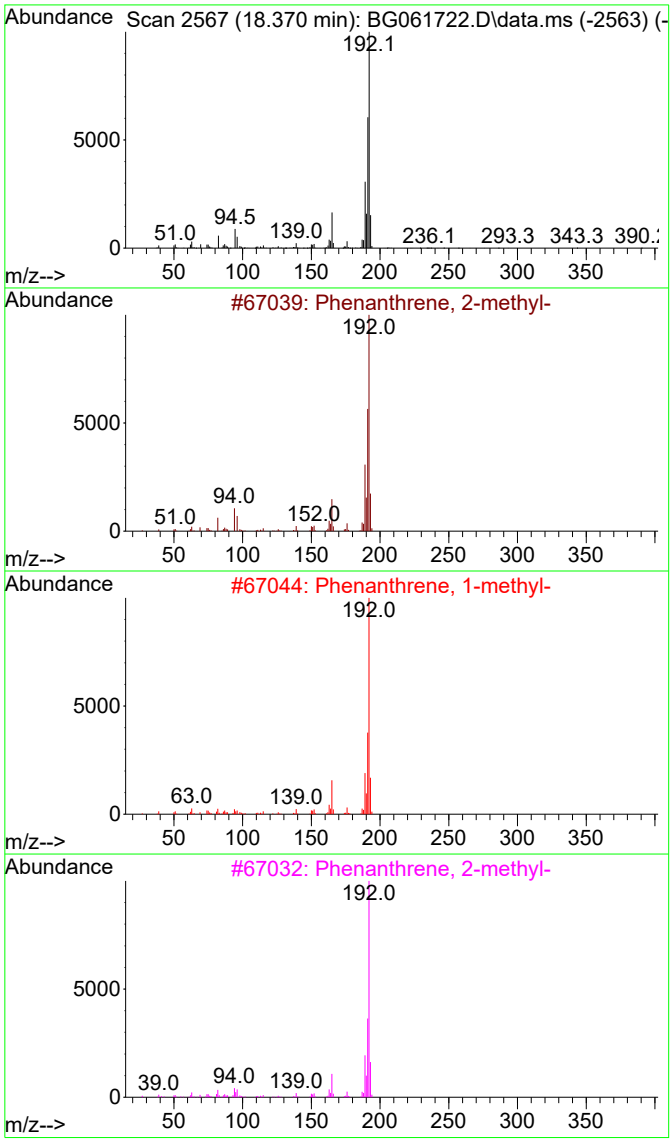
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

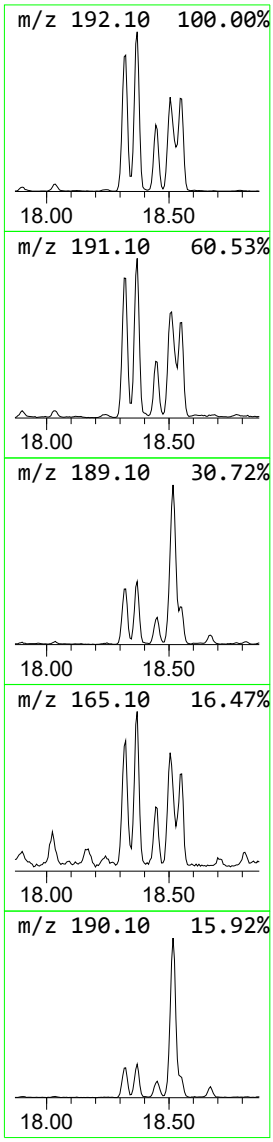
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 34 Phenanthrene, 1-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.370 | 52.83 ng/ul | 3136490 | Phenanthrene-d10 | 17.442 |

| 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 | 94 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 94 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

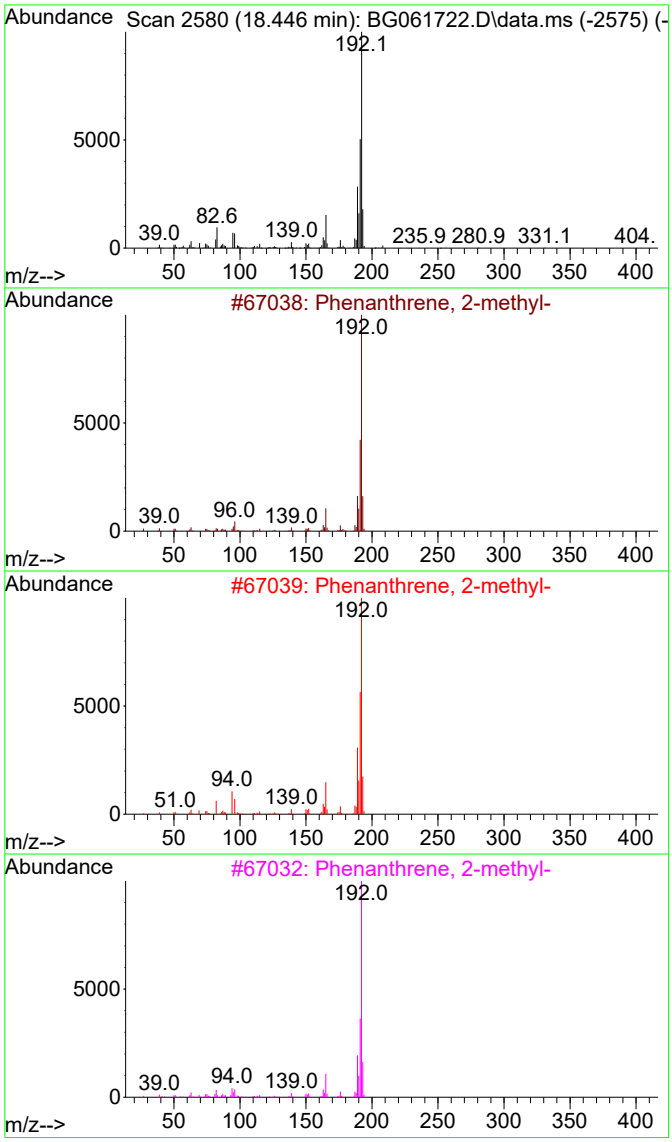
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

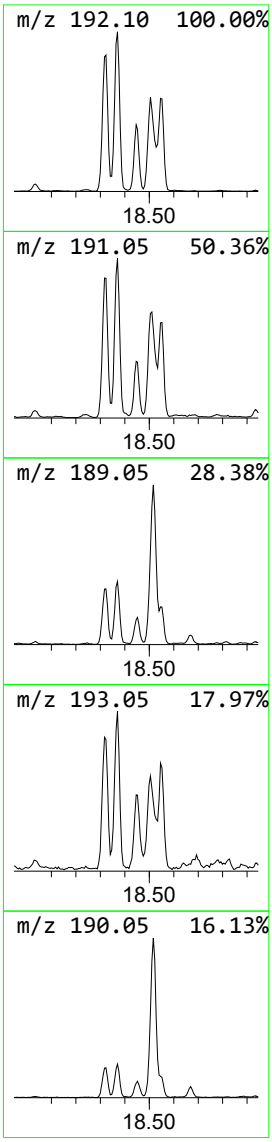
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 35 unknown-01 Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.446 | 22.42 ng/ul | 1331250 | Phenanthrene-d10 | 17.442 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 95 |
| 5 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 94 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

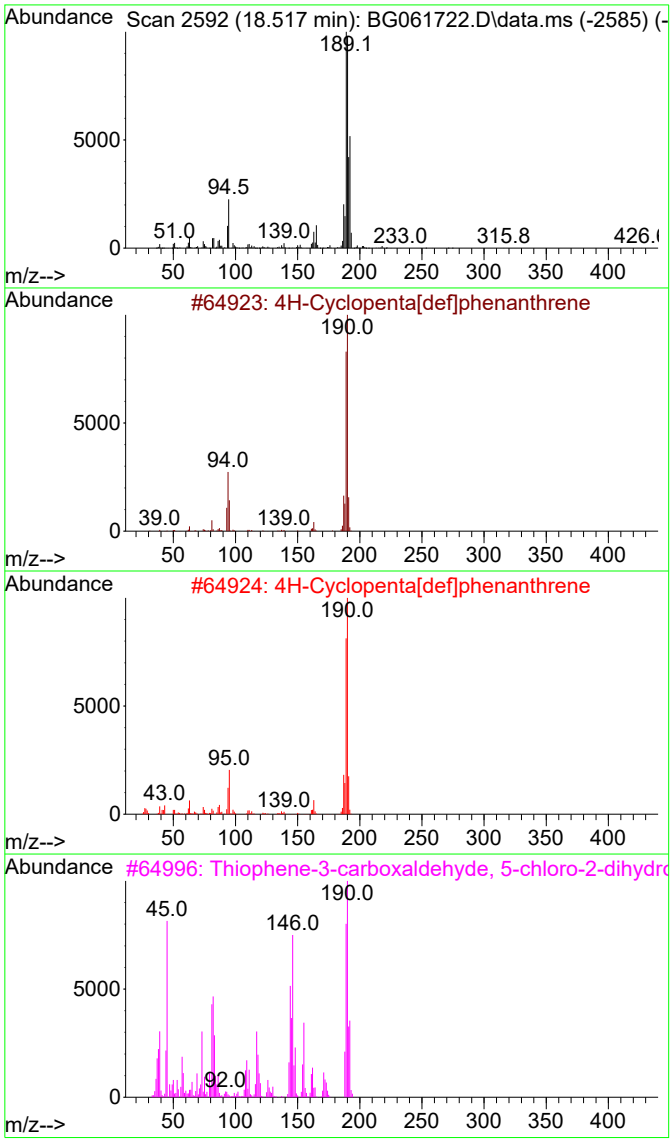
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

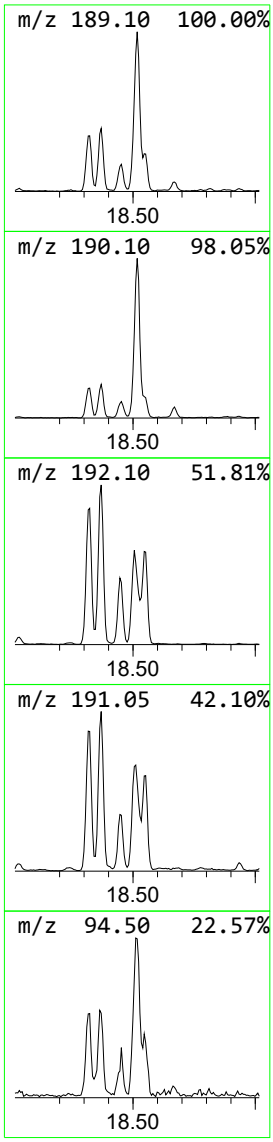
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 36 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.517 | 78.86 ng/ul | 4681690 | Phenanthrene-d10 | 17.442 |

| 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 | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0 | 50 |
| 4 | 4,6-Dichloro-2-ethylpyrimidin-5-... | 191 | C6H7Cl2N3 | 006237-96-3 | 43 |
| 5 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

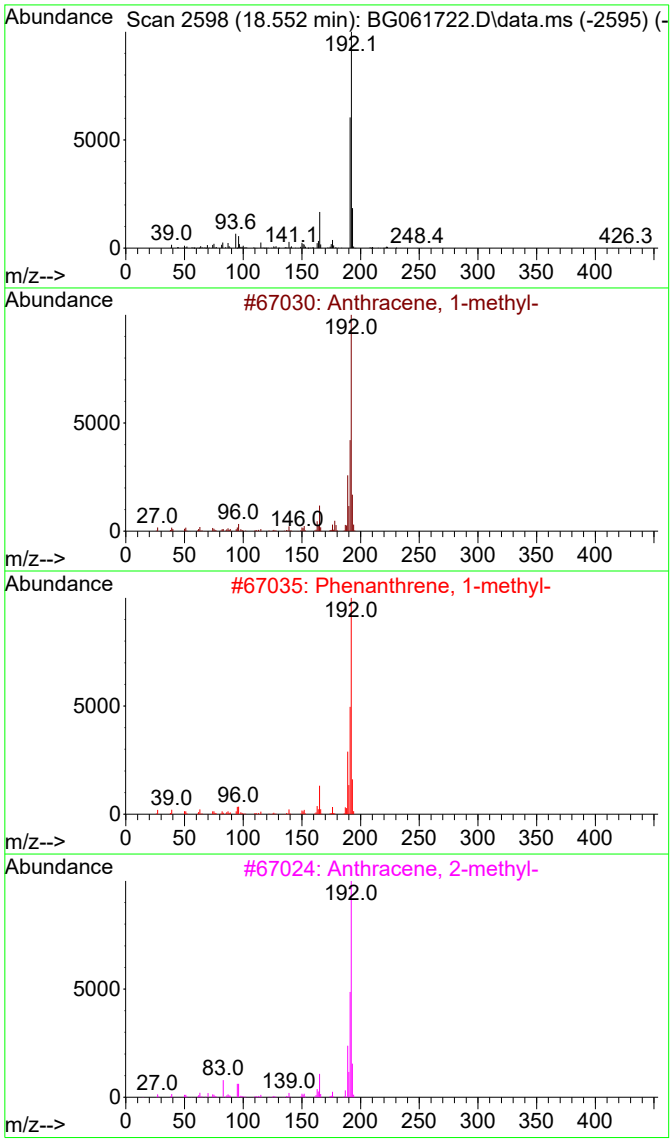
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

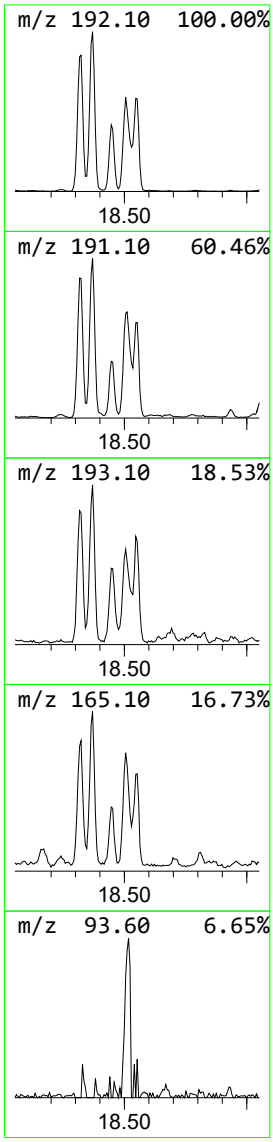
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 37 Anthracene, 1-methyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.552 | 29.37 ng/ul | 1743480 | Phenanthrene-d10 | 17.442 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 90 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 90 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 90 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 90 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

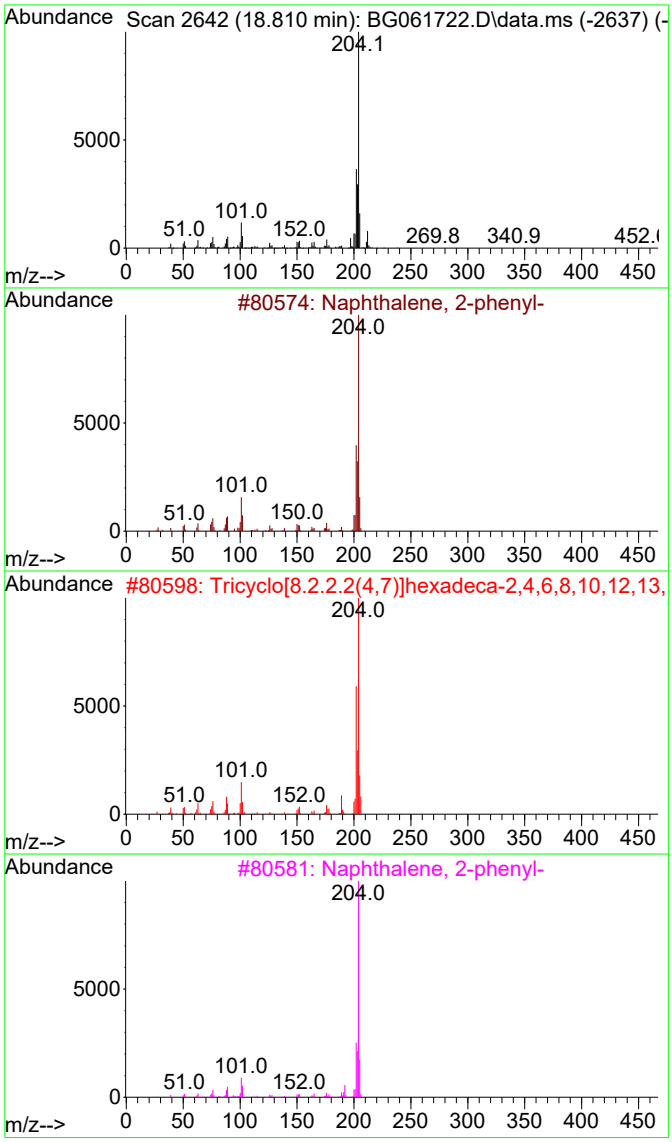
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

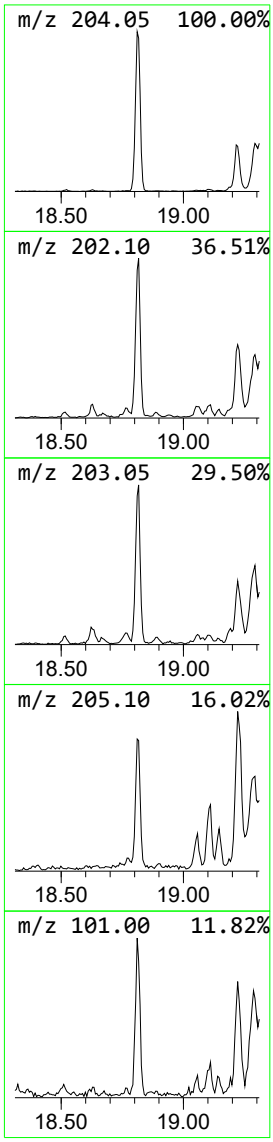
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 38 Naphthalene, 2-phenyl- Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.810 | 22.37 ng/ul | 1328210 | Phenanthrene-d10 | 17.442 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 93 |
| 2 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 81 |
| 3 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 81 |
| 4 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 76 |
| 5 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 76 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

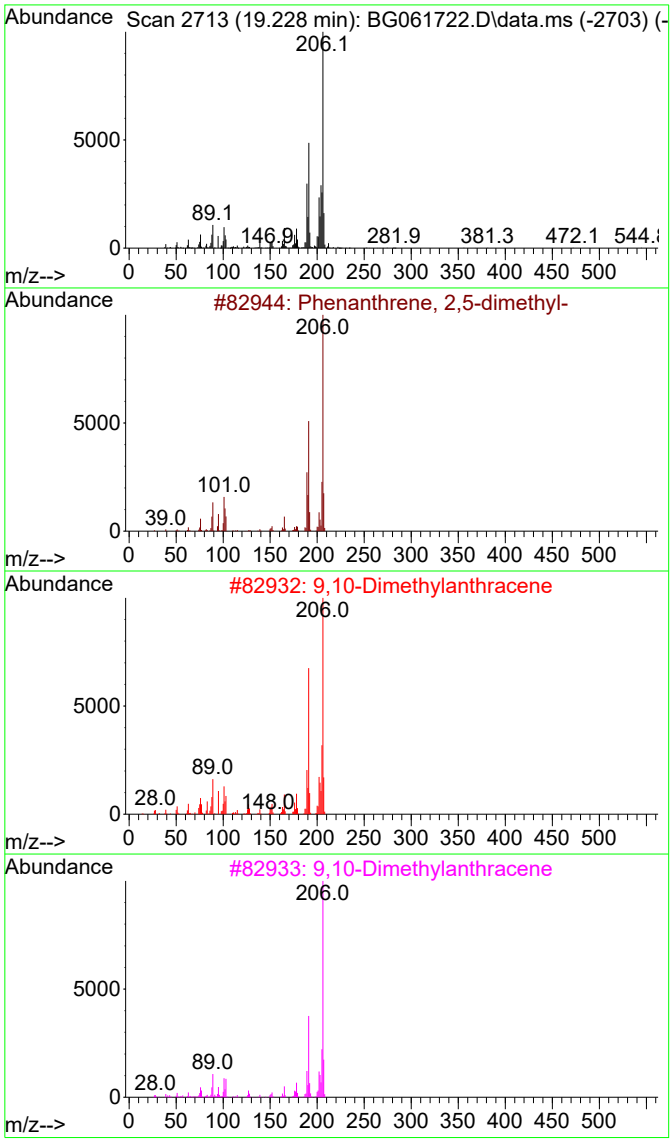
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

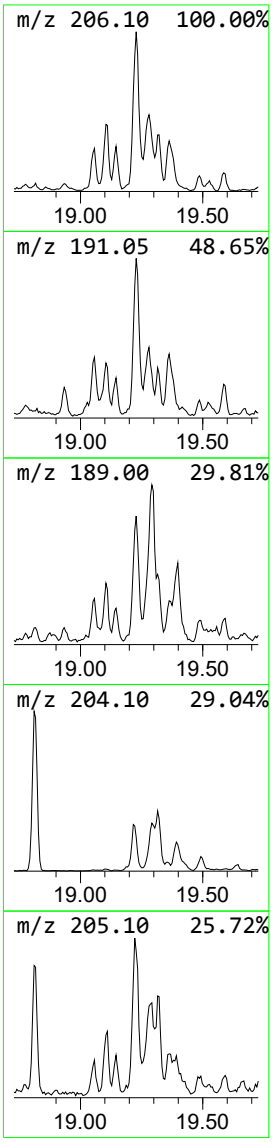
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 42 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.228 | 35.58 ng/ul | 2112160 | Phenanthrene-d10 | 17.442 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 95 |
| 2 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 95 |
| 3 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 89 |
| 4 | Naphthalene, 1,2-dihydro-4-phenyl- | 206 | C16H14 | 007469-40-1 | 86 |
| 5 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 86 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

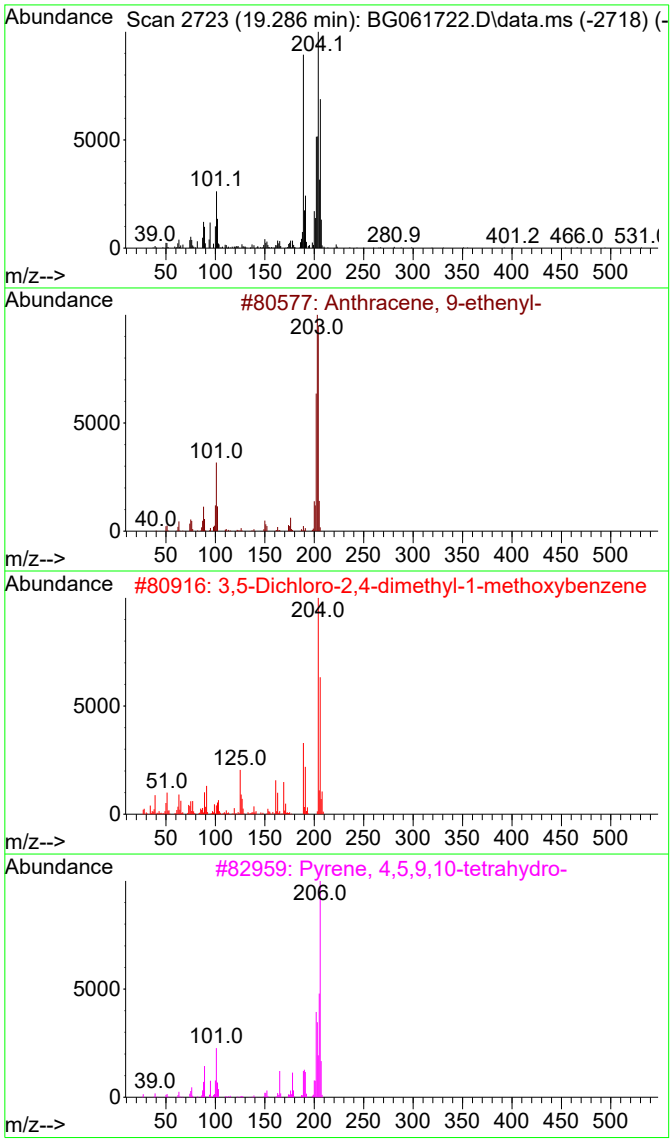
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

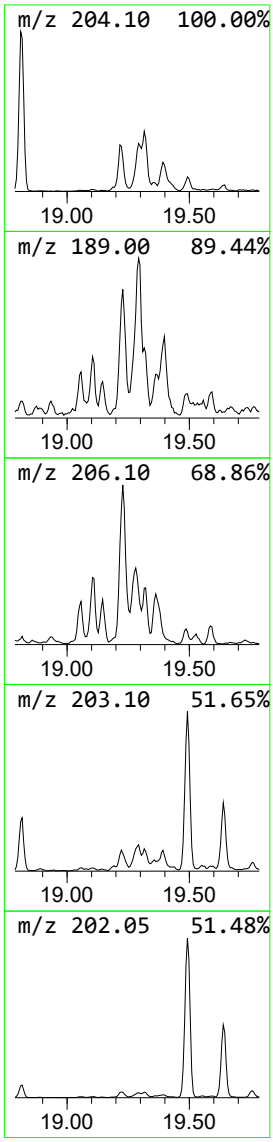
**********

Peak Number 43 unknown-02 Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.286 | 13.89 ng/ul | 824710 | Phenanthrene-d10 | 17.442 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 9-ethenyl- | 204 | C16H12 | 002444-68-0 | 45 |
| 2 | 3,5-Dichloro-2,4-dimethyl-1-meth... | 204 | C9H10Cl2O | 1010250-17-8 | 43 |
| 3 | Pyrene, 4,5,9,10-tetrahydro- | 206 | C16H14 | 000781-17-9 | 35 |
| 4 | Anthracene, 9-ethenyl- | 204 | C16H12 | 002444-68-0 | 35 |
| 5 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 30 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

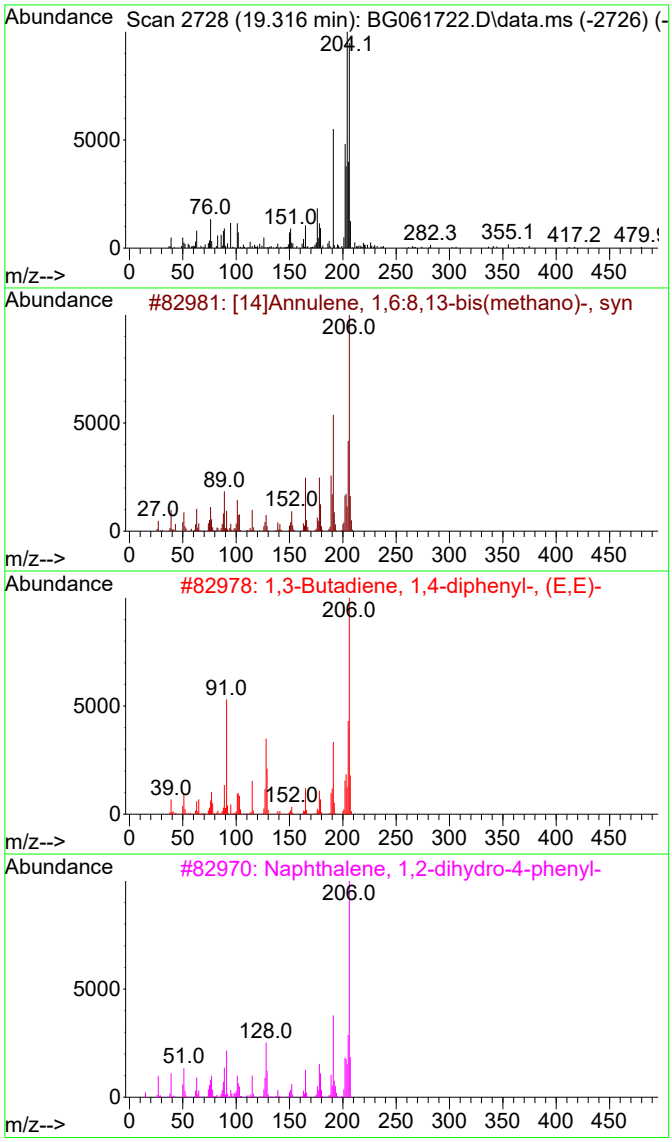
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

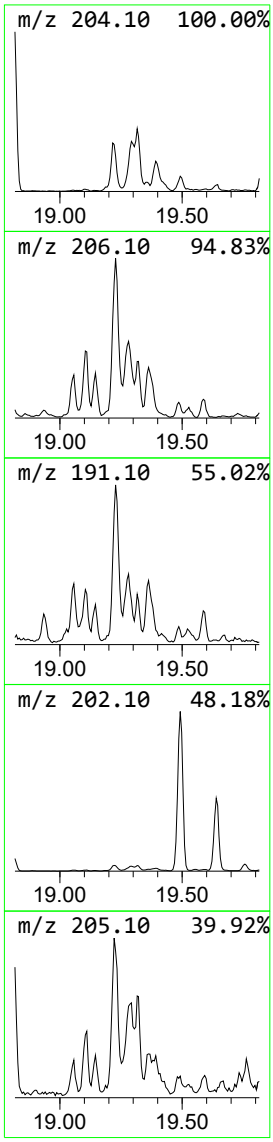
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 44 [14]Annulene, 1,6:8,13-bis(... Concentration Rank 36

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.316 | 10.09 ng/ul | 599280 | Phenanthrene-d10 | 17.442 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | [14]Annulene, 1,6:8,13-bis(metha... | 206 | C16H14 | 085385-68-8 | 50 |
| 2 | 1,3-Butadiene, 1,4-diphenyl-, (E... | 206 | C16H14 | 000538-81-8 | 50 |
| 3 | Naphthalene, 1,2-dihydro-4-phenyl- | 206 | C16H14 | 007469-40-1 | 46 |
| 4 | Benzene, (2-methylene-1-phenylcy... | 206 | C16H14 | 025152-47-0 | 46 |
| 5 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 45 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

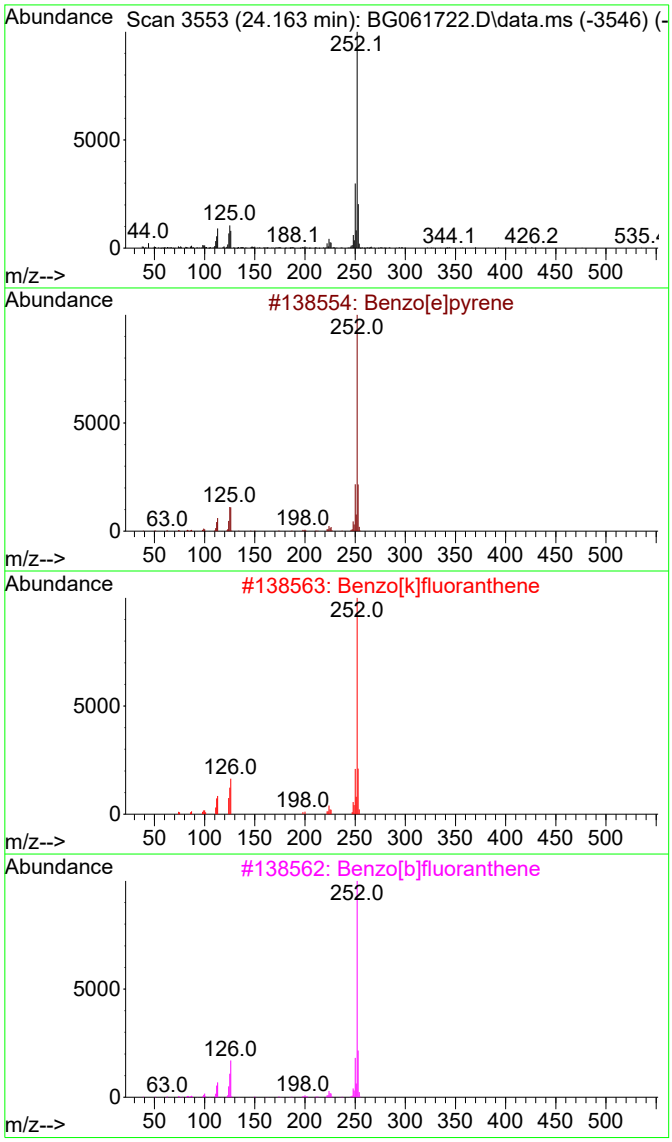
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION

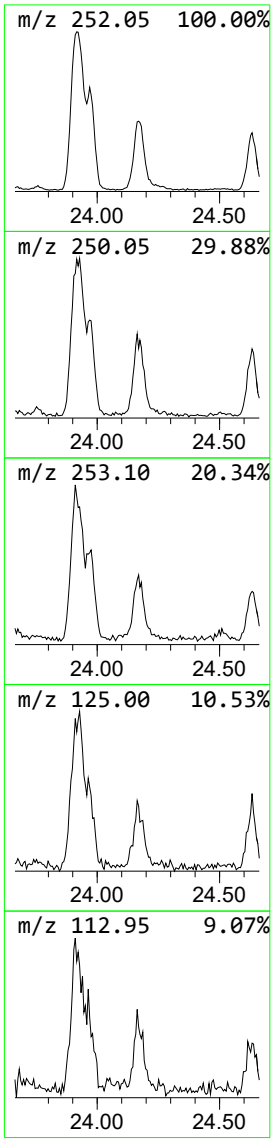
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 58 Benzo[e]pyrene Concentration Rank 35

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.163 | 10.39 ng/ul | 652881 | Perylene-d12 | 24.933 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 95 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 95 |
| 3 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 93 |
| 4 | Perylene | 252 | C20H12 | 000198-55-0 | 89 |
| 5 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 87 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061722.D
Acq On : 26 Jun 2024 4:48
Operator : MA/JU
Sample : P2873-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0SG7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.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 |
| Benzene, 1,3-di... | 5.696 | 23.7 | ng/ul | 549897 | 1 | 8.070 | 464904 | 20.0 |
| 2,4-Nonadiyne | 7.718 | 85.4 | ng/ul | 1984670 | 1 | 8.070 | 464904 | 20.0 |
| Benzene, 2-prop... | 7.812 | 14.9 | ng/ul | 347264 | 1 | 8.070 | 464904 | 20.0 |
| Indene | 8.611 | 56.5 | ng/ul | 1313880 | 1 | 8.070 | 464904 | 20.0 |
| Benzene, 1-ethe... | 9.345 | 20.7 | ng/ul | 481524 | 1 | 8.070 | 464904 | 20.0 |
| 1H-Indene, 1-me... | 10.309 | 40.8 | ng/ul | 1285070 | 2 | 10.890 | 630508 | 20.0 |
| Benzene, (1-met... | 10.379 | 27.4 | ng/ul | 863229 | 2 | 10.890 | 630508 | 20.0 |
| Naphthalene, 1-... | 13.734 | 17.2 | ng/ul | 764975 | 3 | 14.698 | 887662 | 20.0 |
| Naphthalene, 1,... | 13.881 | 61.4 | ng/ul | 2723890 | 3 | 14.698 | 887662 | 20.0 |
| Naphthalene, 2,... | 14.022 | 70.5 | ng/ul | 3128400 | 3 | 14.698 | 887662 | 20.0 |
| Naphthalene, 1,... | 14.257 | 28.3 | ng/ul | 1256230 | 3 | 14.698 | 887662 | 20.0 |
| Naphthalene, 1,... | 15.168 | 12.4 | ng/ul | 548878 | 3 | 14.698 | 887662 | 20.0 |
| Naphthalene, 2-... | 15.297 | 29.8 | ng/ul | 1323490 | 3 | 14.698 | 887662 | 20.0 |
| 1H-Phenalene | 15.567 | 23.2 | ng/ul | 1029790 | 3 | 14.698 | 887662 | 20.0 |
| 9H-Fluoren-3-ol | 16.037 | 14.7 | ng/ul | 652687 | 3 | 14.698 | 887662 | 20.0 |
| 3-Trifluorometh... | 16.155 | 30.7 | ng/ul | 1821100 | 4 | 17.442 | 1187420 | 20.0 |
| 9H-Fluorene, 2-... | 16.742 | 27.6 | ng/ul | 1636120 | 4 | 17.442 | 1187420 | 20.0 |
| (DEL) Alkane: S... | 17.189 | 6.7 | ng/ul | 394616 | 4 | 17.442 | 1187420 | 20.0 |
| Dibenzothiophene | 17.259 | 30.0 | ng/ul | 1783700 | 4 | 17.442 | 1187420 | 20.0 |
| 1-Methyldibenzo... | 18.023 | 15.0 | ng/ul | 891598 | 4 | 17.442 | 1187420 | 20.0 |
| Dibenzothiophen... | 18.164 | 13.6 | ng/ul | 805672 | 4 | 17.442 | 1187420 | 20.0 |
| Phenanthrene, 2... | 18.323 | 55.3 | ng/ul | 3282700 | 4 | 17.442 | 1187420 | 20.0 |
| Phenanthrene, 1... | 18.370 | 52.8 | ng/ul | 3136490 | 4 | 17.442 | 1187420 | 20.0 |
| unknown-01 | 18.446 | 22.4 | ng/ul | 1331250 | 4 | 17.442 | 1187420 | 20.0 |
| 4H-Cyclopenta[d... | 18.517 | 78.9 | ng/ul | 4681690 | 4 | 17.442 | 1187420 | 20.0 |
| Anthracene, 1-m... | 18.552 | 29.4 | ng/ul | 1743480 | 4 | 17.442 | 1187420 | 20.0 |
| Naphthalene, 2-... | 18.810 | 22.4 | ng/ul | 1328210 | 4 | 17.442 | 1187420 | 20.0 |
| Phenanthrene, 2... | 19.228 | 35.6 | ng/ul | 2112160 | 4 | 17.442 | 1187420 | 20.0 |
| unknown-02 | 19.286 | 13.9 | ng/ul | 824710 | 4 | 17.442 | 1187420 | 20.0 |
| [14]Annulene, 1... | 19.316 | 10.1 | ng/ul | 599280 | 4 | 17.442 | 1187420 | 20.0 |
| Benzo[e]pyrene | 24.163 | 10.4 | ng/ul | 652881 | 6 | 24.933 | 1256390 | 20.0 |