LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
Data File : BG061381.D
Acq On : 31 May 2024 6:08
Operator : MA/JU
Sample : P2570-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BH6B8

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-BG052124.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BG061381.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.030 | 4 | 7 | 10 | rBV4 | 10511 | 13187 | 1.11% | 0.073% |
| 2 | 3.077 | 10 | 15 | 37 | rVB | 236679 | 431150 | 36.17% | 2.400% |
| 3 | 3.335 | 54 | 59 | 65 | rVB3 | 5789 | 9829 | 0.82% | 0.055% |
| 4 | 3.606 | 100 | 105 | 115 | rVB3 | 7083 | 14449 | 1.21% | 0.080% |
| 5 | 3.741 | 123 | 128 | 140 | rVV | 64405 | 118734 | 9.96% | 0.661% |
| 6 | 3.858 | 144 | 148 | 153 | rVV2 | 8778 | 13986 | 1.17% | 0.078% |
| 7 | 7.055 | 686 | 692 | 702 | rBV | 126997 | 218414 | 18.32% | 1.216% |
| 8 | 7.201 | 710 | 717 | 726 | rVB | 85235 | 139406 | 11.70% | 0.776% |
| 9 | 7.413 | 745 | 753 | 759 | rBV | 127841 | 211962 | 17.78% | 1.180% |
| 10 | 7.871 | 825 | 831 | 838 | rBV | 102005 | 167917 | 14.09% | 0.935% |
| 11 | 8.588 | 947 | 953 | 962 | rBV | 141465 | 243954 | 20.47% | 1.358% |
| 12 | 9.029 | 1021 | 1028 | 1036 | rVB | 138684 | 236463 | 19.84% | 1.316% |
| 13 | 9.587 | 1116 | 1123 | 1130 | rBB4 | 13456 | 21609 | 1.81% | 0.120% |
| 14 | 9.751 | 1142 | 1151 | 1159 | rBV | 126620 | 220192 | 18.47% | 1.226% |
| 15 | 10.298 | 1237 | 1244 | 1255 | rBV | 175147 | 308445 | 25.88% | 1.717% |
| 16 | 10.439 | 1261 | 1268 | 1281 | rBV2 | 36554 | 69485 | 5.83% | 0.387% |
| 17 | 10.668 | 1299 | 1307 | 1314 | rBV | 132548 | 227958 | 19.12% | 1.269% |
| 18 | 10.803 | 1323 | 1330 | 1337 | rBV | 127555 | 220105 | 18.47% | 1.225% |
| 19 | 11.408 | 1427 | 1433 | 1444 | rBV3 | 11171 | 21231 | 1.78% | 0.118% |
| 20 | 13.911 | 1851 | 1859 | 1865 | rBV | 316917 | 472907 | 39.67% | 2.632% |
| 21 | 14.199 | 1902 | 1908 | 1919 | rVV | 353059 | 561152 | 47.08% | 3.123% |
| 22 | 14.511 | 1953 | 1961 | 1967 | rVV | 212404 | 329789 | 27.67% | 1.835% |
| 23 | 14.740 | 1990 | 2000 | 2010 | rBV3 | 69076 | 157281 | 13.20% | 0.875% |
| 24 | 15.503 | 2122 | 2130 | 2136 | rBV | 472512 | 702788 | 58.96% | 3.911% |
| 25 | 15.556 | 2136 | 2139 | 2144 | rVV2 | 8033 | 10726 | 0.90% | 0.060% |
| 26 | 15.639 | 2148 | 2153 | 2164 | rBV | 134021 | 201309 | 16.89% | 1.120% |
| 27 | 16.914 | 2366 | 2370 | 2377 | rVV3 | 11510 | 19076 | 1.60% | 0.106% |
| 28 | 17.013 | 2384 | 2387 | 2391 | rVV5 | 9207 | 12770 | 1.07% | 0.071% |
| 29 | 17.072 | 2391 | 2397 | 2405 | rVB | 10260 | 17844 | 1.50% | 0.099% |
| 30 | 17.254 | 2423 | 2428 | 2432 | rBV | 280565 | 411806 | 34.55% | 2.292% |
| 31 | 17.301 | 2432 | 2436 | 2440 | rVB | 200564 | 271298 | 22.76% | 1.510% |
| 32 | 17.360 | 2440 | 2446 | 2450 | rBV | 499378 | 746200 | 62.60% | 4.153% |
| 33 | 17.442 | 2456 | 2460 | 2466 | rVB5 | 5800 | 10540 | 0.88% | 0.059% |
| 34 | 17.666 | 2494 | 2498 | 2502 | rVV2 | 16423 | 22323 | 1.87% | 0.124% |
| 35 | 17.777 | 2511 | 2517 | 2521 | rVB4 | 6909 | 12743 | 1.07% | 0.071% |
| 36 | 17.842 | 2524 | 2528 | 2531 | rBV5 | 7754 | 10879 | 0.91% | 0.061% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
Data File : BG061381.D
Acq On : 31 May 2024 6:08
Operator : MA/JU
Sample : P2570-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BH6B8

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-BG052124.MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 18.136 | 2572 | 2578 | 2579 | rVV | 43729 | 54811 | 4.60% | 0.305% |
| 38 | 18.159 | 2579 | 2582 | 2583 | rVV2 | 60732 | 72381 | 6.07% | 0.403% |
| 39 | 18.183 | 2583 | 2586 | 2590 | rVV | 69954 | 107052 | 8.98% | 0.596% |
| 40 | 18.218 | 2590 | 2592 | 2596 | rVV | 24794 | 32679 | 2.74% | 0.182% |
| 41 | 18.265 | 2596 | 2600 | 2605 | rVB3 | 15485 | 25351 | 2.13% | 0.141% |
| 42 | 18.330 | 2605 | 2611 | 2615 | rBV2 | 56762 | 109143 | 9.16% | 0.607% |
| 43 | 18.365 | 2615 | 2617 | 2622 | rVB2 | 33593 | 40595 | 3.41% | 0.226% |
| 44 | 18.447 | 2627 | 2631 | 2634 | rBV4 | 8982 | 11623 | 0.98% | 0.065% |
| 45 | 18.488 | 2634 | 2638 | 2642 | rBV5 | 11662 | 17761 | 1.49% | 0.099% |
| 46 | 18.635 | 2658 | 2663 | 2666 | rBV | 40413 | 57361 | 4.81% | 0.319% |
| 47 | 18.682 | 2666 | 2671 | 2676 | rVB | 37533 | 57403 | 4.82% | 0.319% |
| 48 | 18.882 | 2701 | 2705 | 2709 | rVV3 | 17335 | 26586 | 2.23% | 0.148% |
| 49 | 18.929 | 2709 | 2713 | 2716 | rVV | 15773 | 23069 | 1.94% | 0.128% |
| 50 | 18.970 | 2718 | 2720 | 2724 | rVB2 | 13754 | 14675 | 1.23% | 0.082% |
| 51 | 19.052 | 2730 | 2734 | 2741 | rVV4 | 36294 | 78447 | 6.58% | 0.437% |
| 52 | 19.111 | 2742 | 2744 | 2748 | rVV3 | 18666 | 27983 | 2.35% | 0.156% |
| 53 | 19.146 | 2748 | 2750 | 2753 | rVV2 | 10691 | 12780 | 1.07% | 0.071% |
| 54 | 19.199 | 2754 | 2759 | 2765 | rVB3 | 39098 | 73619 | 6.18% | 0.410% |
| 55 | 19.317 | 2770 | 2779 | 2785 | rBV | 619490 | 873355 | 73.27% | 4.861% |
| 56 | 19.375 | 2786 | 2789 | 2792 | rVV2 | 18913 | 30452 | 2.55% | 0.169% |
| 57 | 19.417 | 2792 | 2796 | 2801 | rVV4 | 26525 | 62974 | 5.28% | 0.350% |
| 58 | 19.464 | 2801 | 2804 | 2809 | rVV | 28831 | 54464 | 4.57% | 0.303% |
| 59 | 19.516 | 2809 | 2813 | 2816 | rVV3 | 19201 | 36578 | 3.07% | 0.204% |
| 60 | 19.558 | 2818 | 2820 | 2829 | rVB4 | 22330 | 39135 | 3.28% | 0.218% |
| 61 | 19.652 | 2830 | 2836 | 2839 | rBV | 748162 | 1191960 | 100.00% | 6.634% |
| 62 | 19.681 | 2839 | 2841 | 2848 | rVB | 551732 | 621362 | 52.13% | 3.458% |
| 63 | 19.751 | 2848 | 2853 | 2857 | rBV3 | 33825 | 54003 | 4.53% | 0.301% |
| 64 | 19.857 | 2867 | 2871 | 2874 | rBV | 37387 | 50209 | 4.21% | 0.279% |
| 65 | 19.916 | 2878 | 2881 | 2890 | rVB2 | 25730 | 48122 | 4.04% | 0.268% |
| 66 | 19.998 | 2890 | 2895 | 2896 | rBV2 | 48489 | 66939 | 5.62% | 0.373% |
| 67 | 20.145 | 2913 | 2920 | 2921 | rBV5 | 36413 | 69722 | 5.85% | 0.388% |
| 68 | 20.169 | 2921 | 2924 | 2931 | rVB2 | 64518 | 113608 | 9.53% | 0.632% |
| 69 | 20.268 | 2938 | 2941 | 2945 | rBV | 27616 | 35655 | 2.99% | 0.198% |
| 70 | 20.333 | 2946 | 2952 | 2956 | rVV2 | 64512 | 116802 | 9.80% | 0.650% |
| 71 | 20.368 | 2956 | 2958 | 2962 | rVB4 | 20034 | 23606 | 1.98% | 0.131% |
| 72 | 20.409 | 2963 | 2965 | 2971 | rVB5 | 13630 | 17493 | 1.47% | 0.097% |
| 73 | 20.468 | 2971 | 2975 | 2979 | rBV | 44862 | 63319 | 5.31% | 0.352% |
| 74 | 20.515 | 2979 | 2983 | 2987 | rVV | 45312 | 69349 | 5.82% | 0.386% |
| 75 | 20.568 | 2990 | 2992 | 2996 | rVB | 25871 | 27557 | 2.31% | 0.153% |
| 76 | 20.727 | 3016 | 3019 | 3022 | rBV4 | 21395 | 32046 | 2.69% | 0.178% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
Data File : BG061381.D
Acq On : 31 May 2024 6:08
Operator : MA/JU
Sample : P2570-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BH6B8

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-BG052124.MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 20.927 | 3049 | 3053 | 3059 | rVB | 103164 | 142152 | 11.93% | 0.791% |
| 78 | 21.097 | 3077 | 3082 | 3087 | rBV3 | 55471 | 108493 | 9.10% | 0.604% |
| 79 | 21.144 | 3087 | 3090 | 3092 | rVV | 54633 | 72703 | 6.10% | 0.405% |
| 80 | 21.179 | 3092 | 3096 | 3103 | rVV4 | 88733 | 254304 | 21.33% | 1.415% |
| 81 | 21.250 | 3105 | 3108 | 3115 | rVB | 80114 | 132182 | 11.09% | 0.736% |
| 82 | 21.402 | 3131 | 3134 | 3139 | rVB | 92437 | 117702 | 9.87% | 0.655% |
| 83 | 21.502 | 3144 | 3151 | 3156 | rVV4 | 468806 | 1137153 | 95.40% | 6.329% |
| 84 | 21.555 | 3156 | 3160 | 3171 | rVB | 307485 | 536711 | 45.03% | 2.987% |
| 85 | 21.702 | 3181 | 3185 | 3191 | rBV | 43842 | 72608 | 6.09% | 0.404% |
| 86 | 21.908 | 3215 | 3220 | 3225 | rVB2 | 40567 | 72789 | 6.11% | 0.405% |
| 87 | 22.213 | 3269 | 3272 | 3278 | rVB3 | 61454 | 100264 | 8.41% | 0.558% |
| 88 | 22.284 | 3280 | 3284 | 3291 | rVV3 | 46589 | 83811 | 7.03% | 0.466% |
| 89 | 22.478 | 3313 | 3317 | 3321 | rBV3 | 30335 | 49091 | 4.12% | 0.273% |
| 90 | 22.918 | 3388 | 3392 | 3402 | rVB6 | 62261 | 155551 | 13.05% | 0.866% |
| 91 | 23.623 | 3503 | 3512 | 3519 | rBV2 | 232753 | 743489 | 62.38% | 4.138% |
| 92 | 23.864 | 3547 | 3553 | 3563 | rBV2 | 41782 | 108626 | 9.11% | 0.605% |
| 93 | 24.311 | 3623 | 3629 | 3634 | rBV | 112146 | 271388 | 22.77% | 1.510% |
| 94 | 24.387 | 3635 | 3642 | 3648 | rVV2 | 357134 | 970000 | 81.38% | 5.399% |
| 95 | 24.452 | 3648 | 3653 | 3663 | rVB | 198652 | 504550 | 42.33% | 2.808% |
| 96 | 24.593 | 3669 | 3677 | 3685 | rBV | 199623 | 541785 | 45.45% | 3.015% |
| 97 | 28.083 | 4264 | 4271 | 4272 | rBV | 57999 | 102305 | 8.58% | 0.569% |
| 98 | 28.647 | 4365 | 4367 | 4369 | rBV3 | 9832 | 9623 | 0.81% | 0.054% |
| 99 | 29.187 | 4445 | 4459 | 4468 | rBV3 | 54211 | 246287 | 20.66% | 1.371% |
| 100 | 30.562 | 4690 | 4693 | 4695 | rBV4 | 8244 | 11945 | 1.00% | 0.066% |

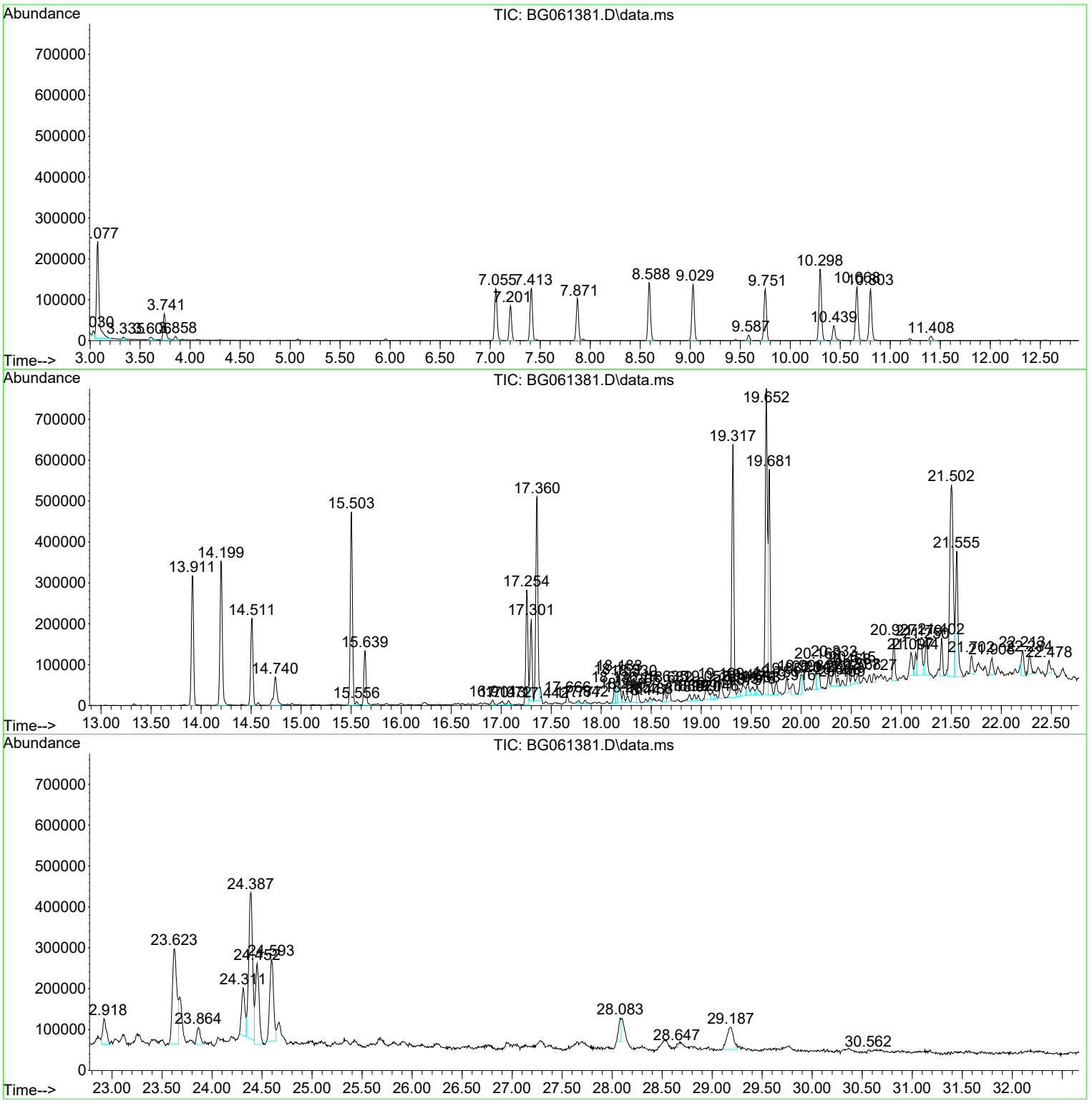
Sum of corrected areas: 17967448

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
Data File : BG061381.D
Acq On : 31 May 2024 6:08
Operator : MA/JU
Sample : P2570-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BH6B8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.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\BG053024\
Data File : BG061381.D
Acq On : 31 May 2024 6:08
Operator : MA/JU
Sample : P2570-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BH6B8

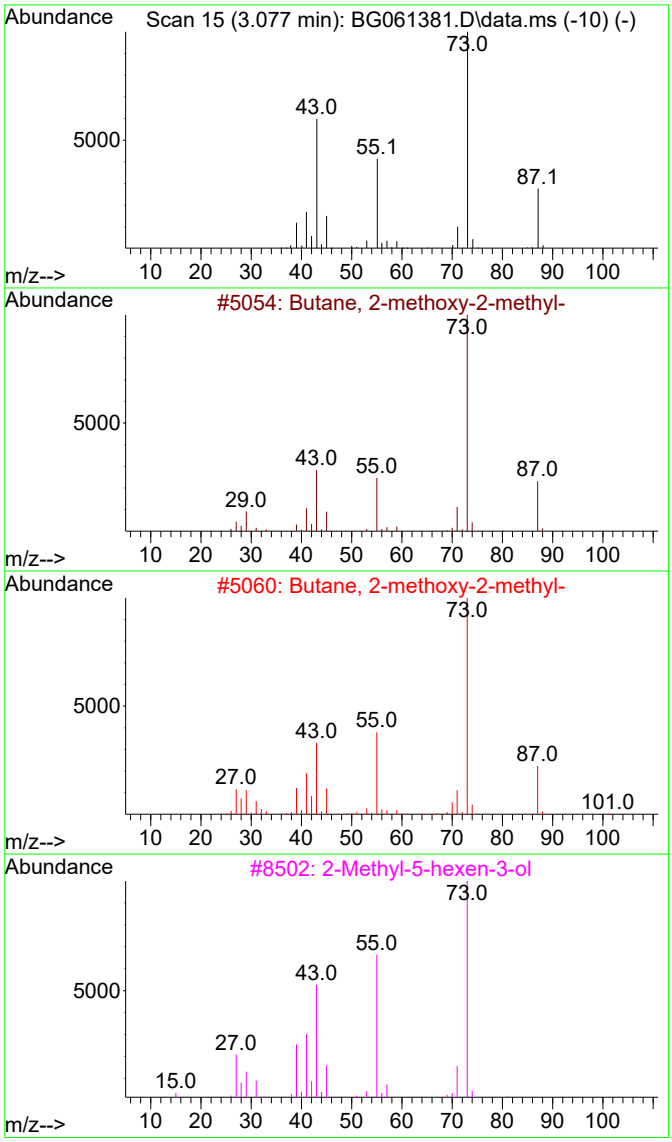
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

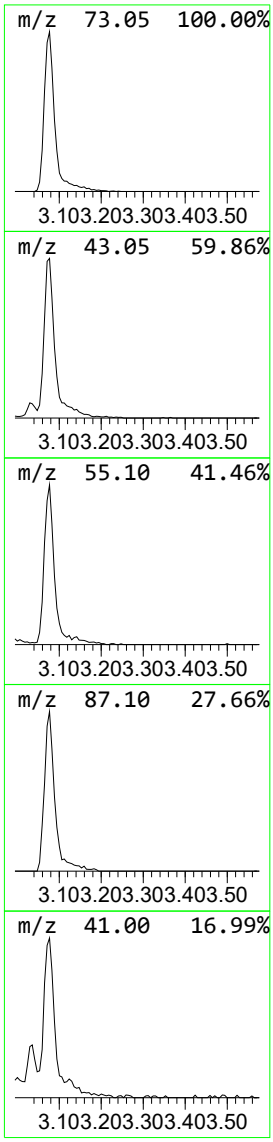
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.077 | 51.35 ng/ul | 431150 | 1,4-Dichlorobenzene-d4 | 7.871 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 78 |
| 3 | 2-Methyl-5-hexen-3-ol | 114 | C7H14O | 032815-70-6 | 47 |
| 4 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 38 |
| 5 | 3-Pentanol, 3-methyl- | 102 | C6H14O | 000077-74-7 | 28 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
Data File : BG061381.D
Acq On : 31 May 2024 6:08
Operator : MA/JU
Sample : P2570-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BH6B8

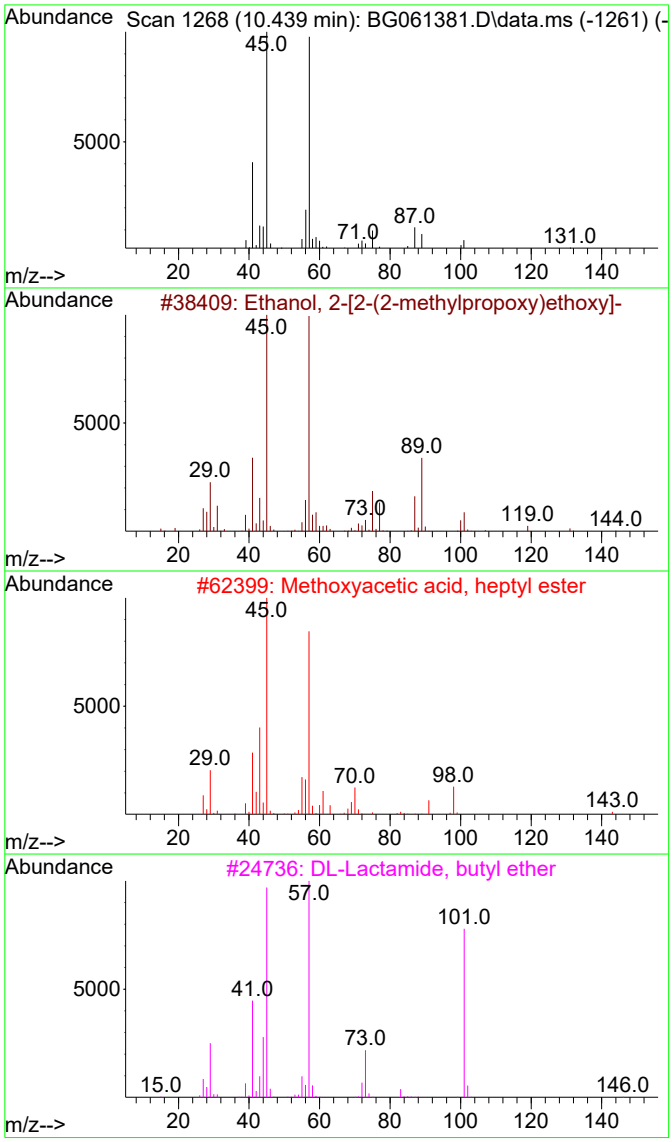
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

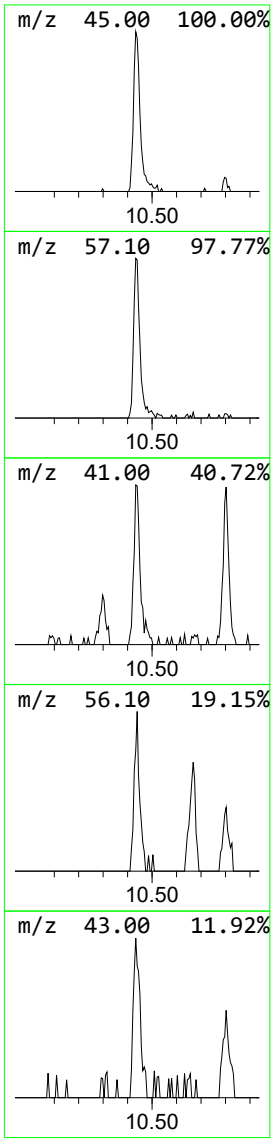
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Ethanol, 2-[2-(2-methylprop... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.439 | 6.10 ng/ul | 69485 | Naphthalene-d8 | 10.668 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-[2-(2-methylpropoxy)e... | 162 | C8H18O3 | 018912-80-6 | 72 |
| 2 | Methoxyacetic acid, heptyl ester | 188 | C10H20O3 | 168920-36-3 | 59 |
| 3 | DL-Lactamide, butyl ether | 145 | C7H15NO2 | 1000452-56-5 | 53 |
| 4 | Ethanol, 2-[2-(2-butoxyethoxy)et... | 206 | C10H22O4 | 000143-22-6 | 50 |
| 5 | Ethylene glycol monoisobutyl ether | 118 | C6H14O2 | 004439-24-1 | 45 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
Data File : BG061381.D
Acq On : 31 May 2024 6:08
Operator : MA/JU
Sample : P2570-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BH6B8

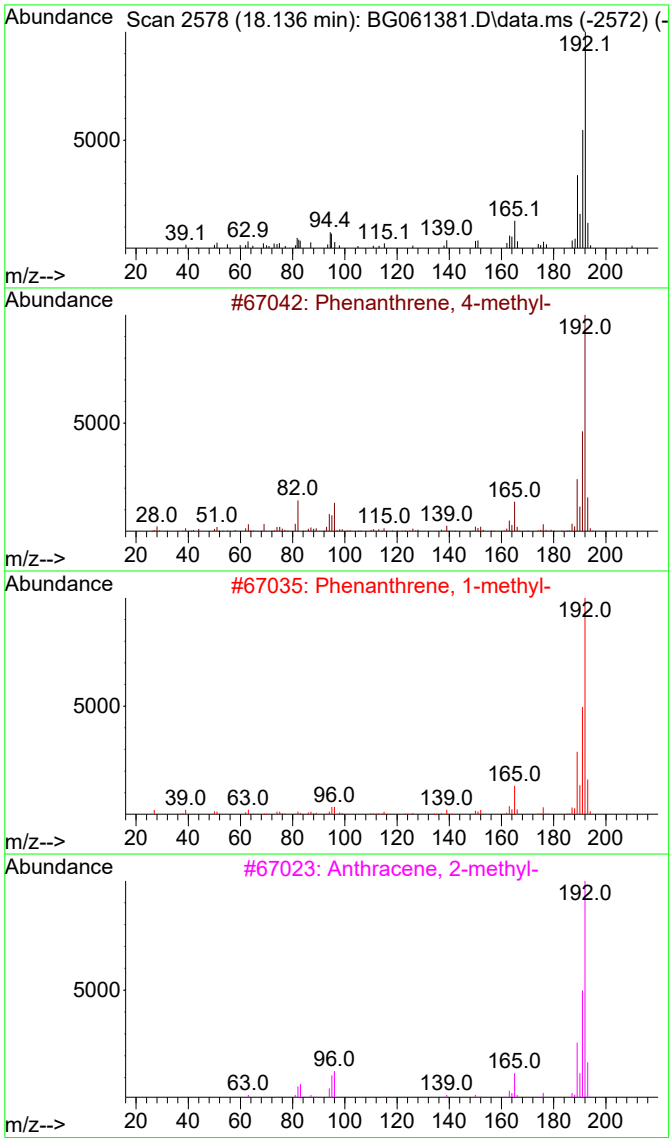
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

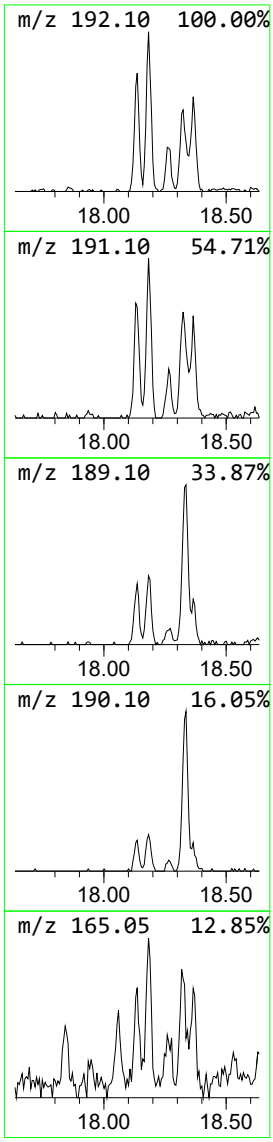
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Phenanthrene, 4-methyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.136 | 2.66 ng/ul | 54811 | Phenanthrene-d10 | 17.254 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 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 | 87 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
Data File : BG061381.D
Acq On : 31 May 2024 6:08
Operator : MA/JU
Sample : P2570-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BH6B8

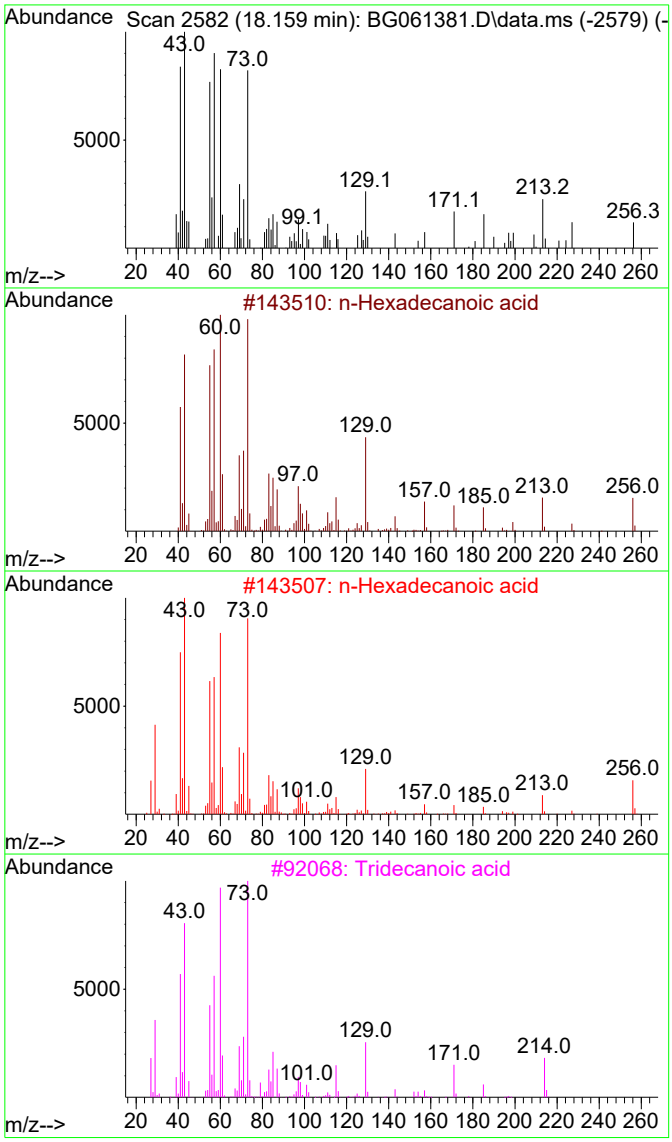
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

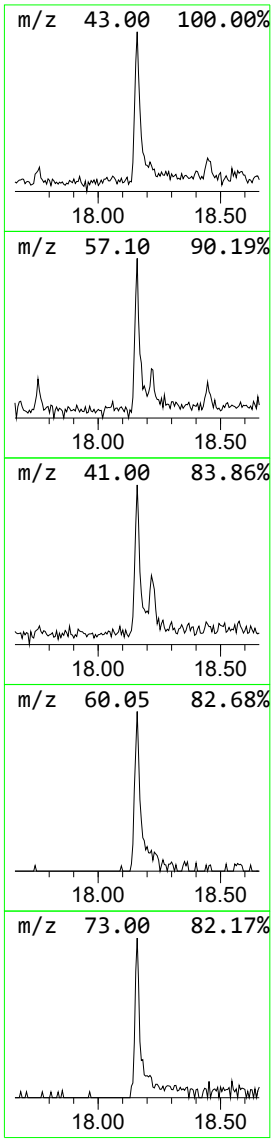
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 n-Hexadecanoic acid Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.159 | 3.52 ng/ul | 72381 | Phenanthrene-d10 | 17.254 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 64 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 64 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 58 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 53 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 47 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
Data File : BG061381.D
Acq On : 31 May 2024 6:08
Operator : MA/JU
Sample : P2570-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BH6B8

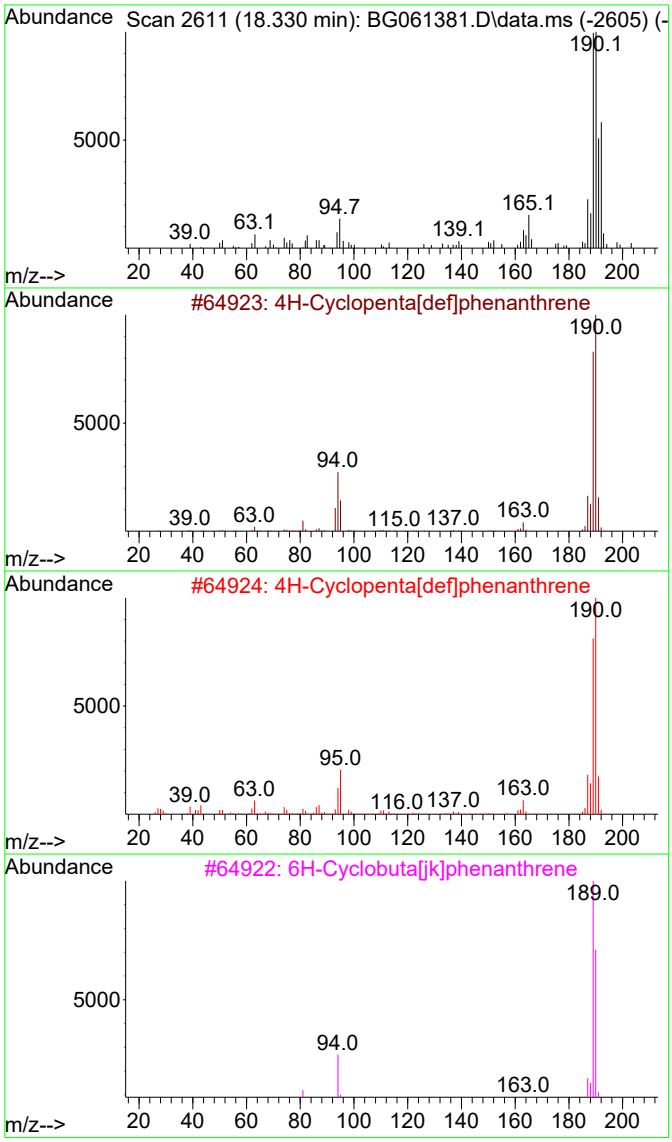
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

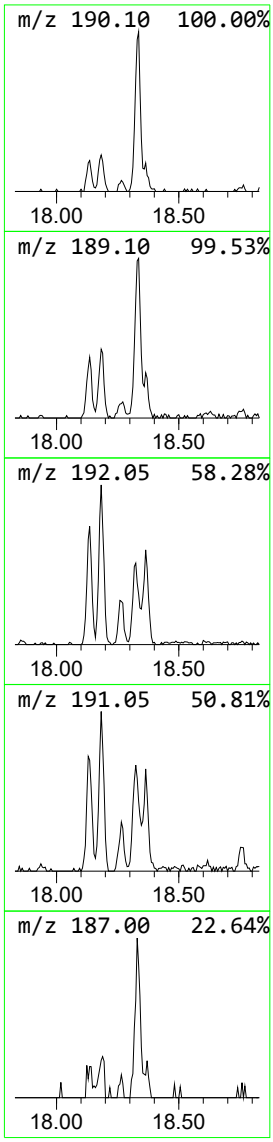
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.330 | 5.30 ng/ul | 109143 | Phenanthrene-d10 | 17.254 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 62 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 58 |
| 3 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 50 |
| 4 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 43 |
| 5 | Benzene, 1,1'-(1,2-propadienylid... | 192 | C15H12 | 014251-57-1 | 35 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
Data File : BG061381.D
Acq On : 31 May 2024 6:08
Operator : MA/JU
Sample : P2570-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BH6B8

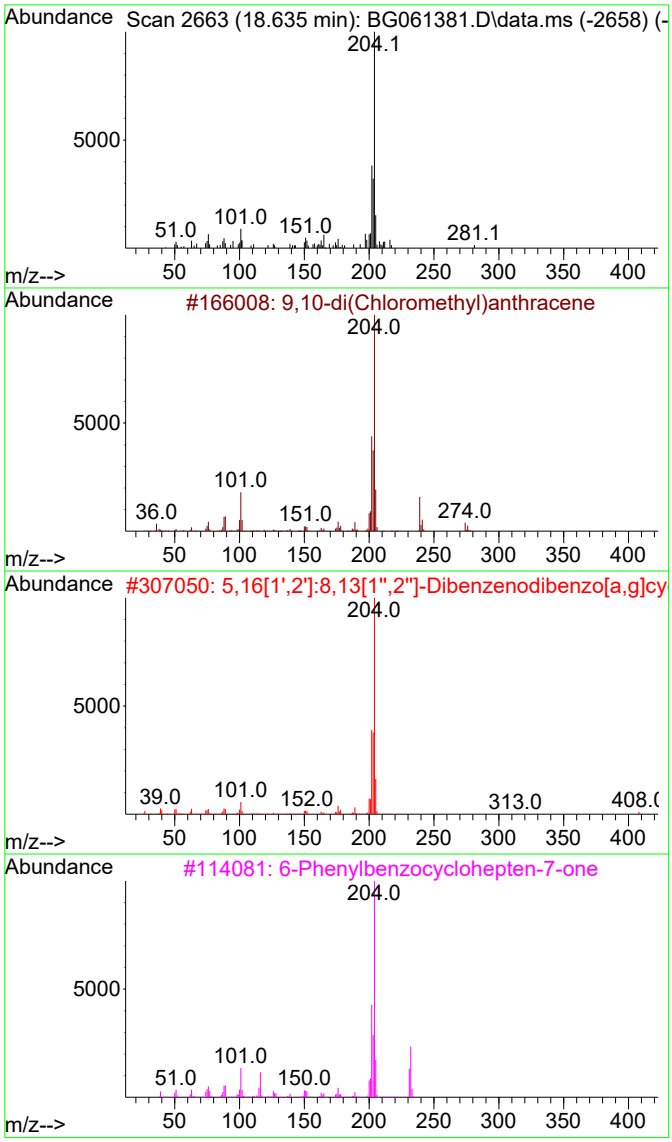
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

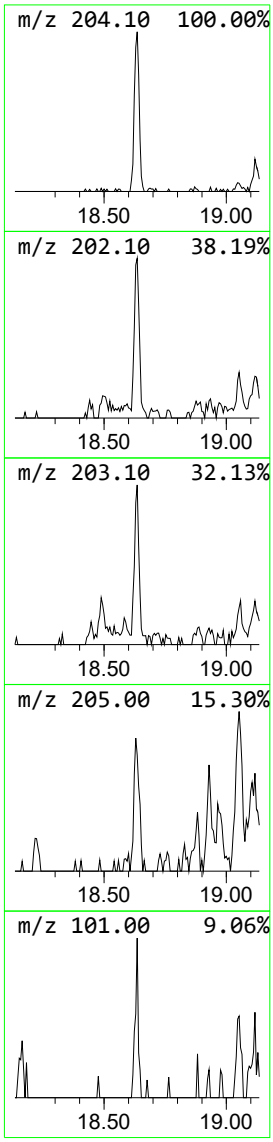
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 9,10-di(Chloromethyl)anthra... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.635 | 2.79 ng/ul | 57361 | Phenanthrene-d10 | 17.254 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-di(Chloromethyl)anthracene | 274 | C16H12Cl2 | 010387-13-0 | 86 |
| 2 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 80 |
| 3 | 6-Phenylbenzocyclohepten-7-one | 232 | C17H12O | 093327-56-1 | 78 |
| 4 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 64 |
| 5 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 64 |



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Data File : BG061381.D
Acq On : 31 May 2024 6:08
Operator : MA/JU
Sample : P2570-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BH6B8

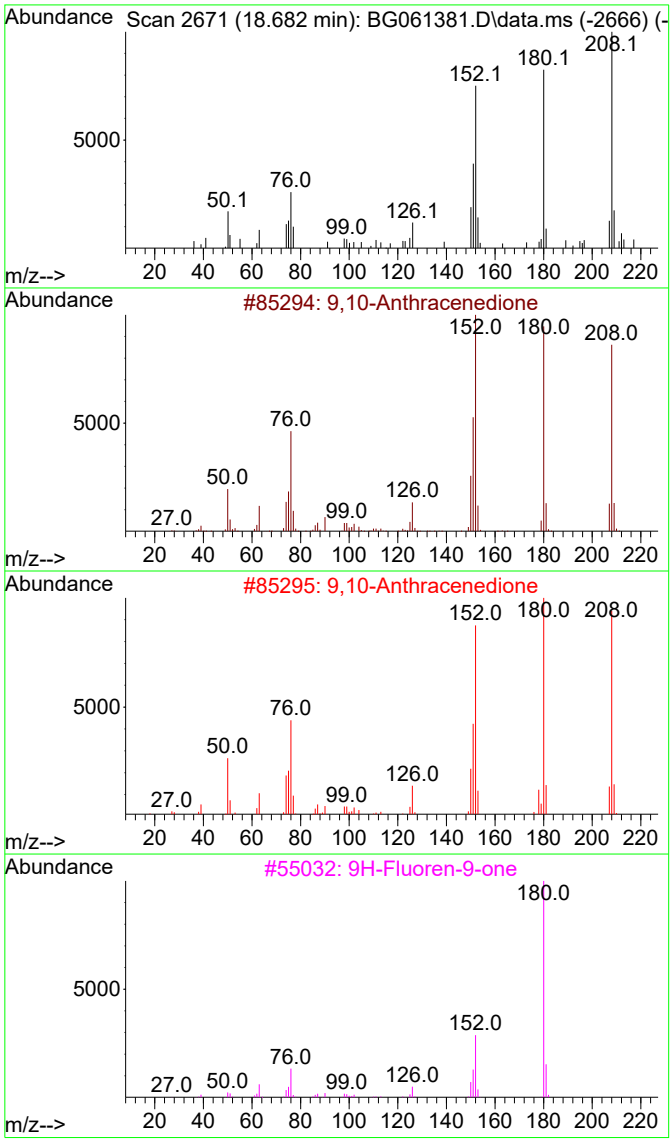
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

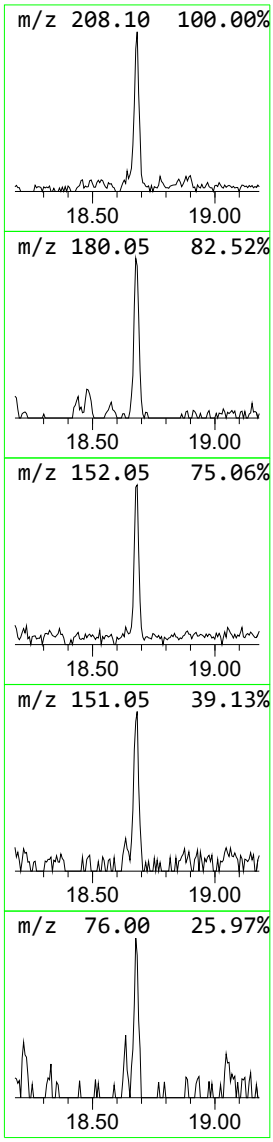
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 9,10-Anthracenedione Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.682 | 2.79 ng/ul | 57403 | Phenanthrene-d10 | 17.254 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 97 |
| 2 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 94 |
| 3 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 90 |
| 4 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 68 |
| 5 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
Data File : BG061381.D
Acq On : 31 May 2024 6:08
Operator : MA/JU
Sample : P2570-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BH6B8

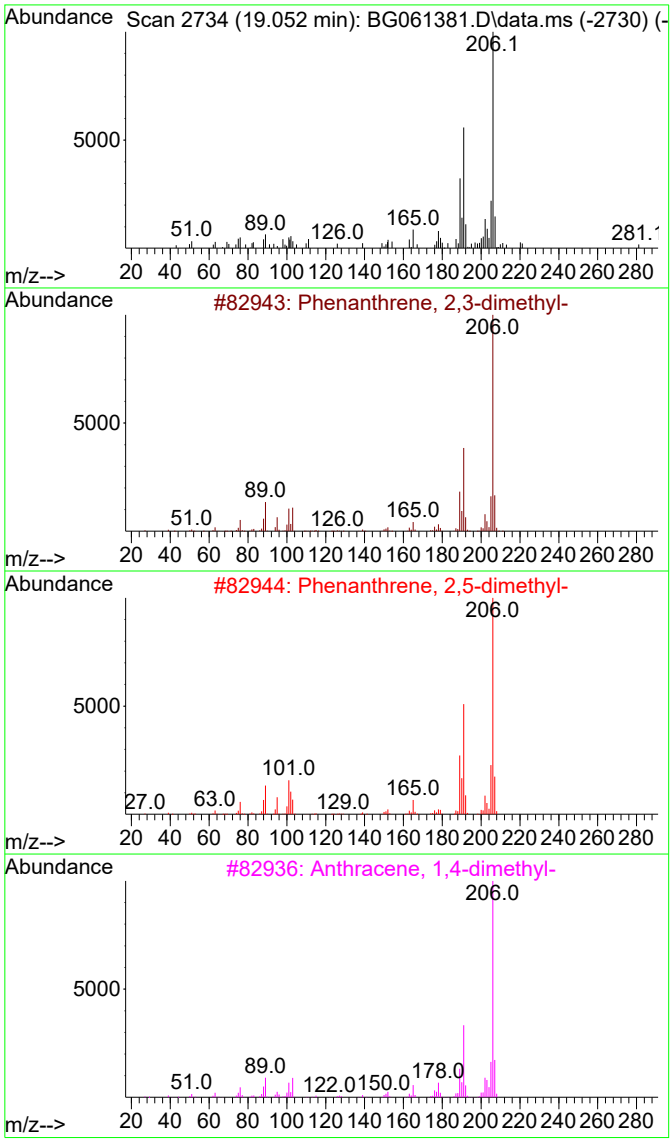
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

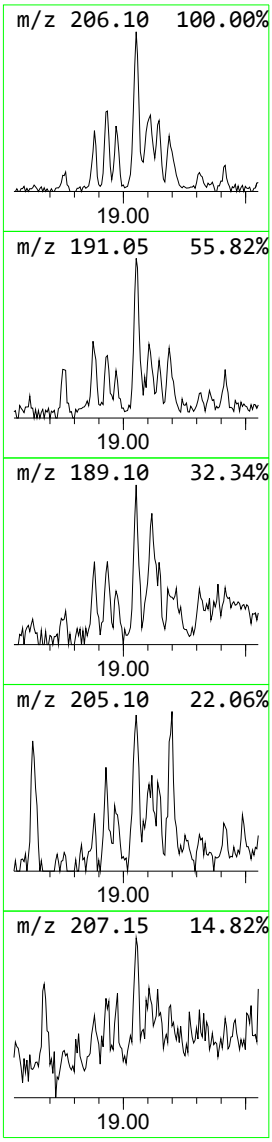
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Phenanthrene, 2,3-dimethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.052 | 3.81 ng/ul | 78447 | Phenanthrene-d10 | 17.254 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 94 |
| 2 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 93 |
| 3 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 91 |
| 4 | 3,4-Dimethylphenanthrene | 206 | C16H14 | 1000452-24-5 | 91 |
| 5 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
Data File : BG061381.D
Acq On : 31 May 2024 6:08
Operator : MA/JU
Sample : P2570-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BH6B8

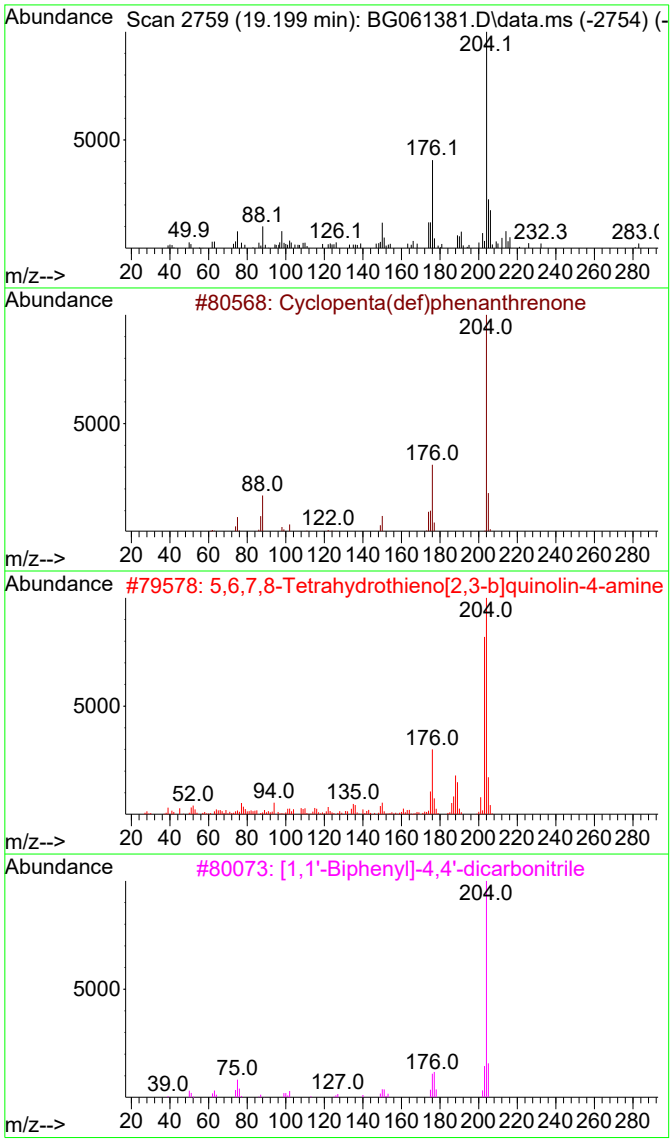
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

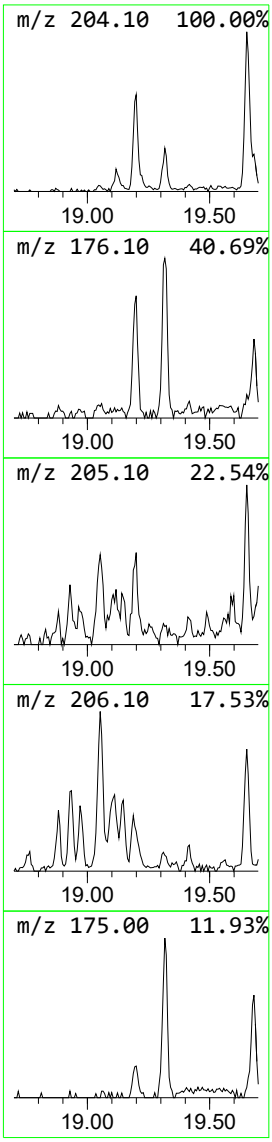
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.199 | 3.58 ng/ul | 73619 | Phenanthrene-d10 | 17.254 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 91 |
| 2 | 5,6,7,8-Tetrahydrothieno[2,3-b]q... | 204 | C11H12N2S | 122914-50-5 | 56 |
| 3 | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2 | 001591-30-6 | 49 |
| 4 | 3,4-Biphenyldicarbonitrile | 204 | C14H8N2 | 004128-63-6 | 47 |
| 5 | 1,2,4,8-Tetramethylbicyclo[6.3.0... | 204 | C15H24 | 137235-51-9 | 46 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
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Acq On : 31 May 2024 6:08
Operator : MA/JU
Sample : P2570-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BH6B8

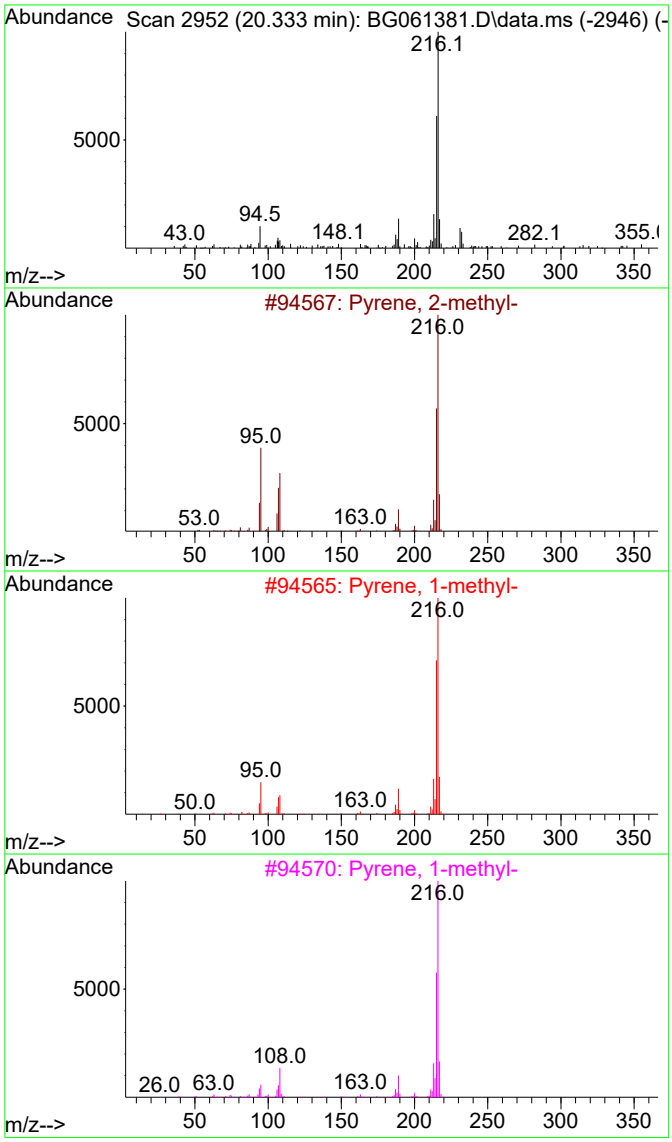
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

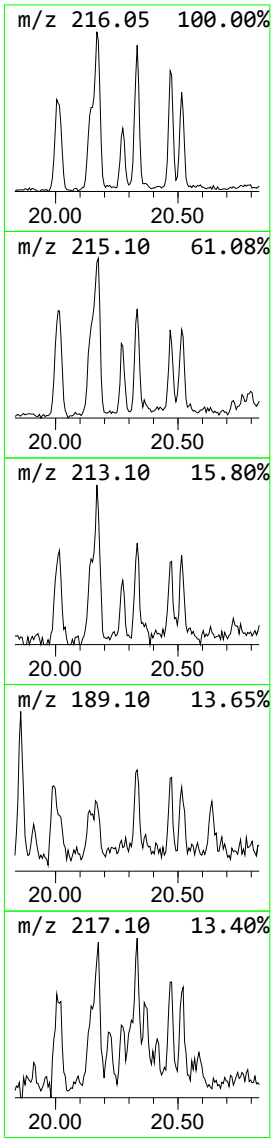
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Pyrene, 2-methyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.333 | 2.05 ng/ul | 116802 | Chrysene-d12 | 21.508 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 93 |
| 2 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 90 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 90 |
| 4 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 87 |
| 5 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 76 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
Data File : BG061381.D
Acq On : 31 May 2024 6:08
Operator : MA/JU
Sample : P2570-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BH6B8

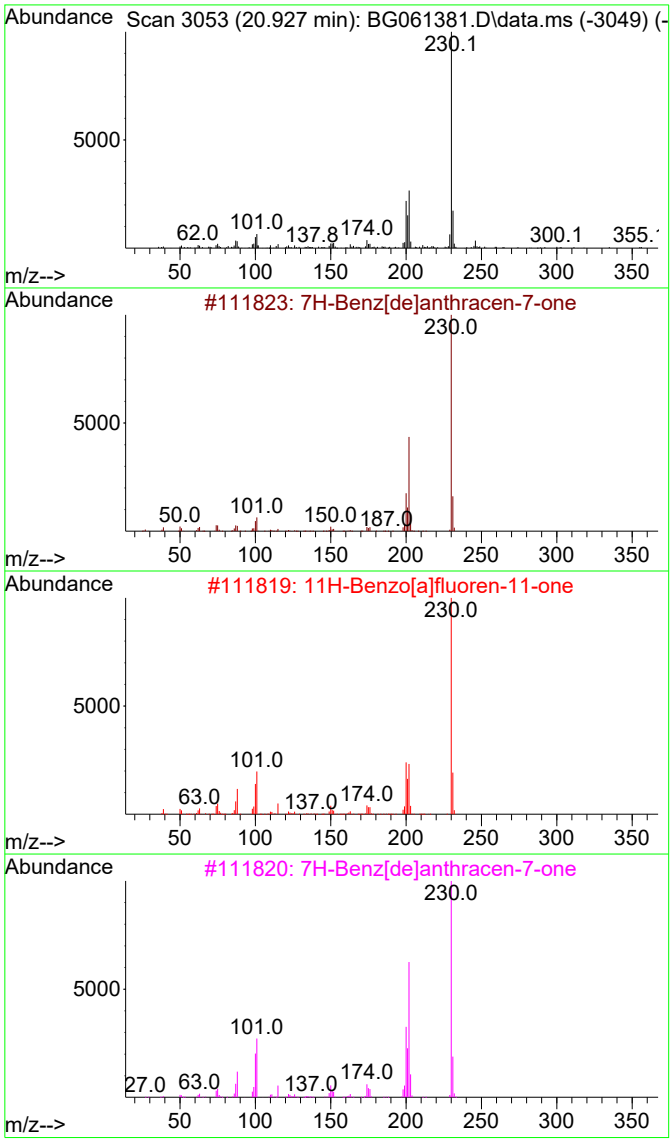
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

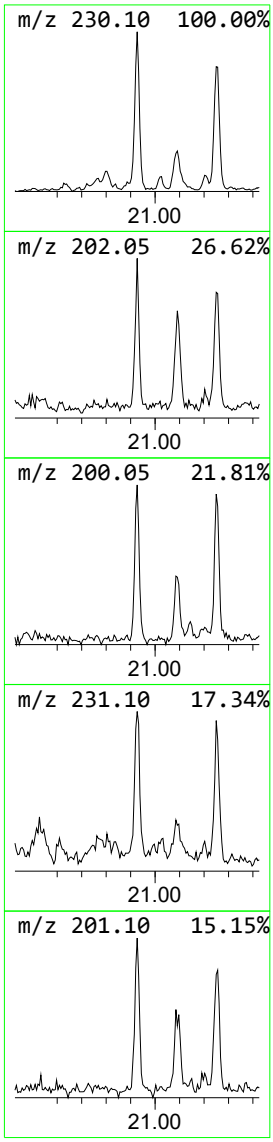
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 7H-Benz[de]anthracen-7-one Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.927 | 2.50 ng/ul | 142152 | Chrysene-d12 | 21.508 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 93 |
| 2 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 86 |
| 3 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 83 |
| 4 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 81 |
| 5 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
Data File : BG061381.D
Acq On : 31 May 2024 6:08
Operator : MA/JU
Sample : P2570-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BH6B8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

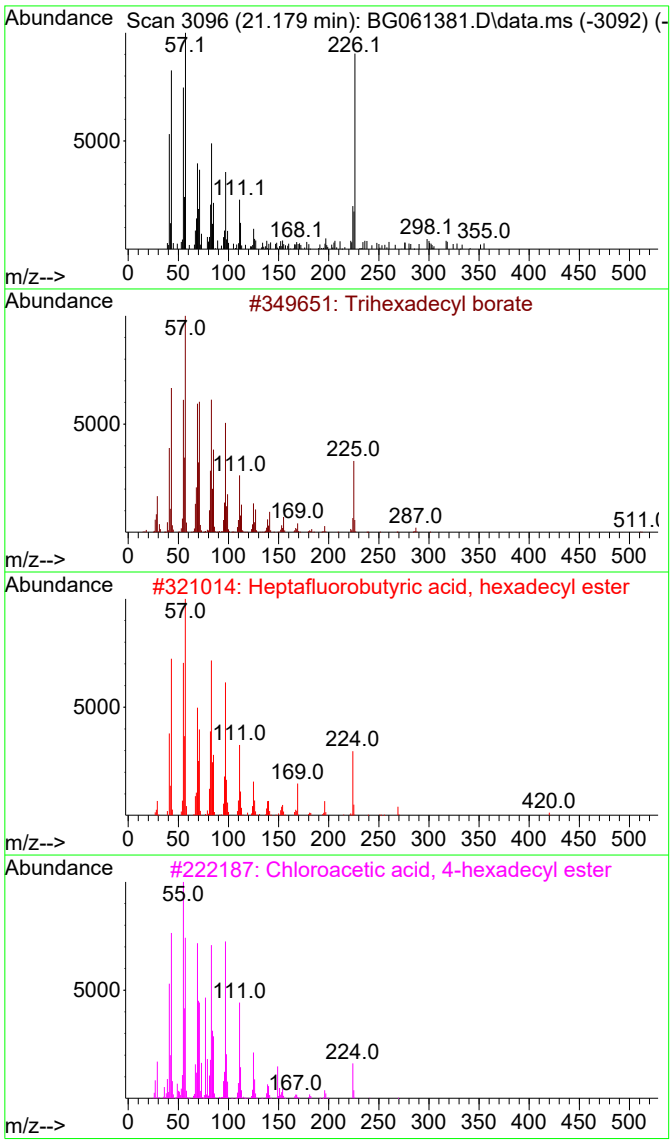
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

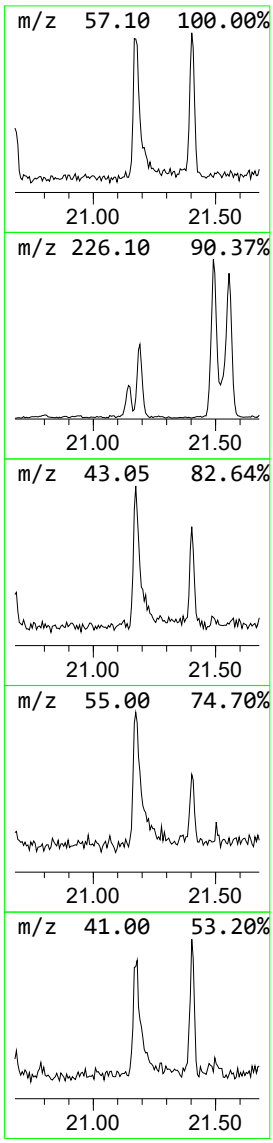
**********

Peak Number 12 unknown-01 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.179 | 4.47 ng/ul | 254304 | Chrysene-d12 | 21.508 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Trihexadecyl borate | 735 | C48H99BO3 | 002665-11-4 | 35 |
| 2 | Heptafluorobutyric acid, hexadec... | 438 | C20H33F7O2 | 006385-15-5 | 25 |
| 3 | Chloroacetic acid, 4-hexadecyl e... | 318 | C18H35ClO2 | 1000282-93-2 | 22 |
| 4 | Pentadecafluorooctanoic acid, he... | 638 | C24H33F15O2 | 1000406-04-6 | 22 |
| 5 | Pentafluoropropionic acid, hexad... | 388 | C19H33F5O2 | 006222-07-7 | 22 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
Data File : BG061381.D
Acq On : 31 May 2024 6:08
Operator : MA/JU
Sample : P2570-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BH6B8

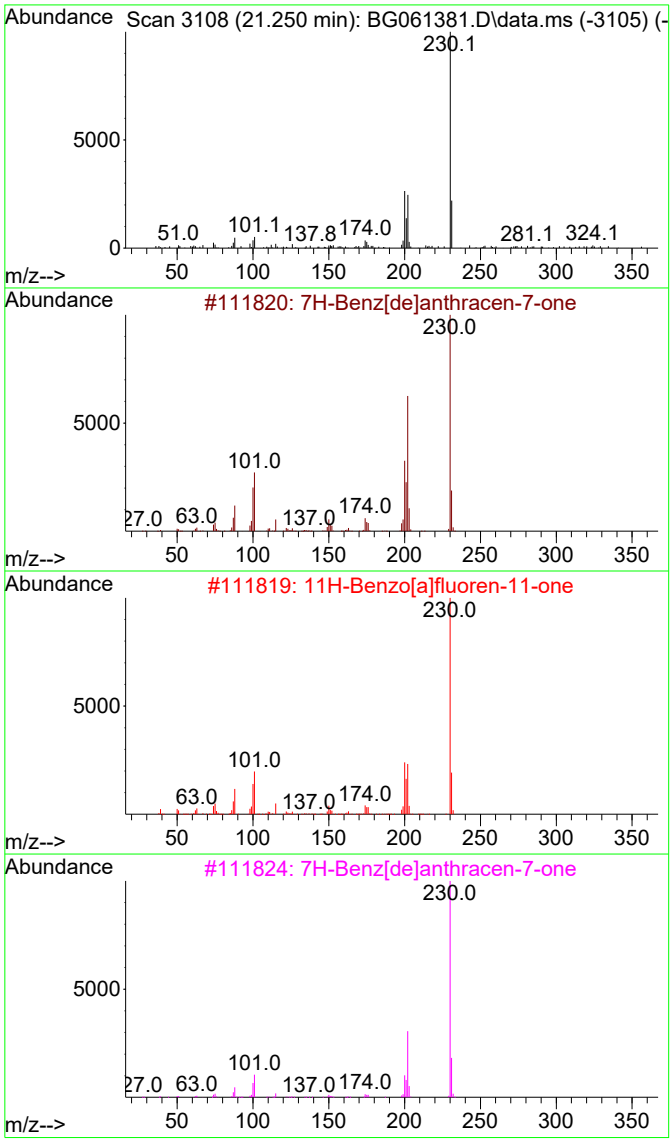
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

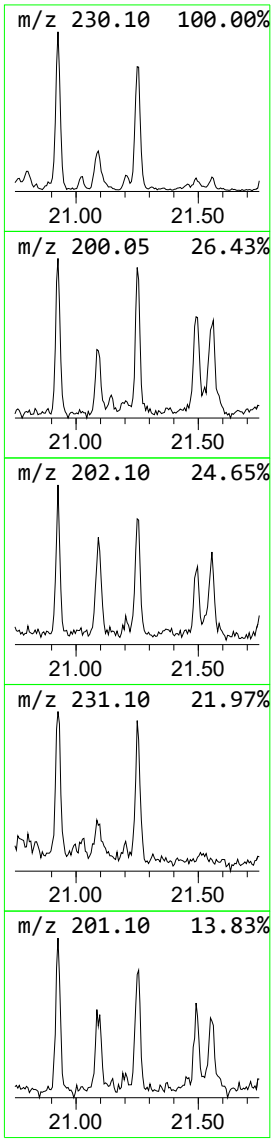
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.250 | 2.32 ng/ul | 132182 | Chrysene-d12 | 21.508 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 83 |
| 2 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 80 |
| 3 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 64 |
| 4 | m-Terphenyl | 230 | C18H14 | 000092-06-8 | 50 |
| 5 | p-Terphenyl | 230 | C18H14 | 000092-94-4 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
Data File : BG061381.D
Acq On : 31 May 2024 6:08
Operator : MA/JU
Sample : P2570-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BH6B8

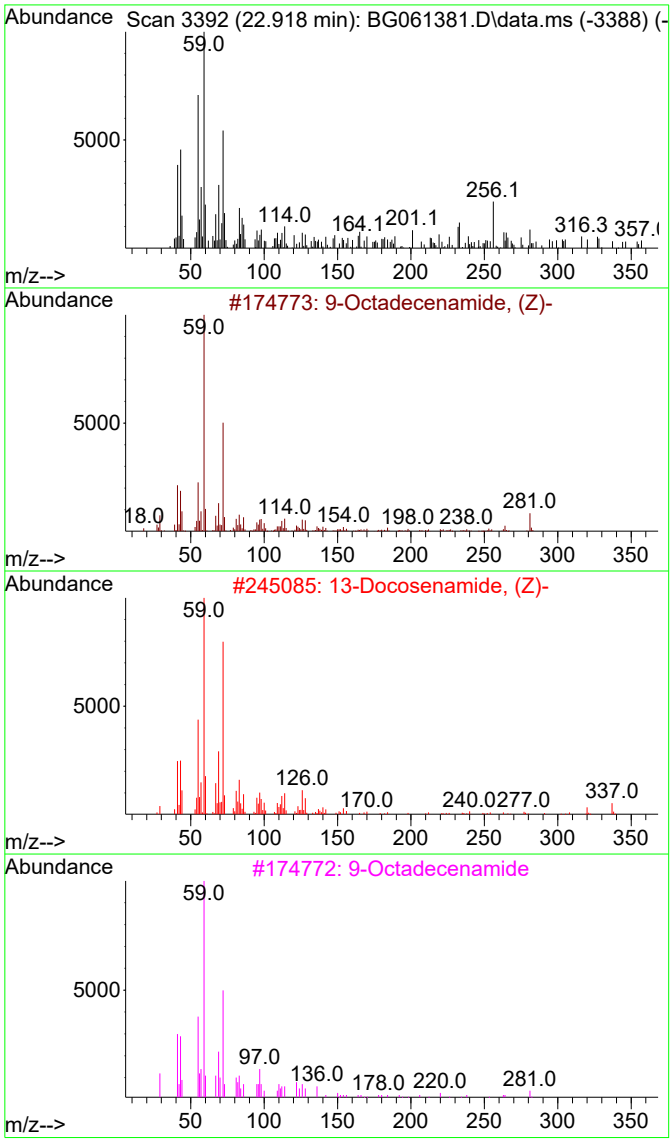
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

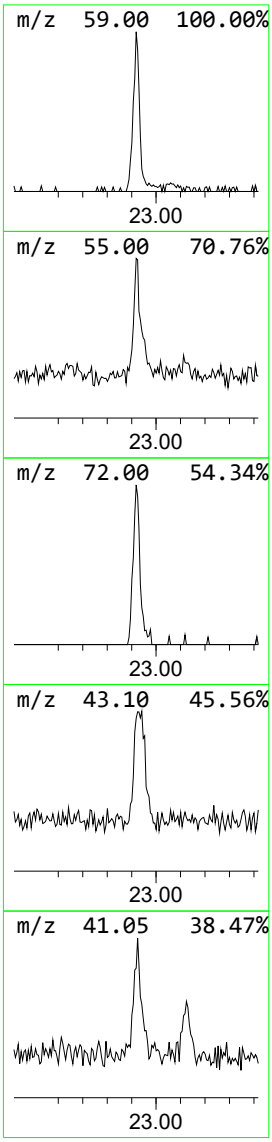
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 9-Octadecenamide, (Z)- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.918 | 2.74 ng/ul | 155551 | Chrysene-d12 | 21.508 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 93 |
| 2 | 13-Docosenamide, (Z)- | 337 | C22H43NO | 000112-84-5 | 83 |
| 3 | 9-Octadecenamide | 281 | C18H35NO | 003322-62-1 | 64 |
| 4 | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 58 |
| 5 | Octadecanamide | 283 | C18H37NO | 000124-26-5 | 58 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
Data File : BG061381.D
Acq On : 31 May 2024 6:08
Operator : MA/JU
Sample : P2570-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BH6B8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

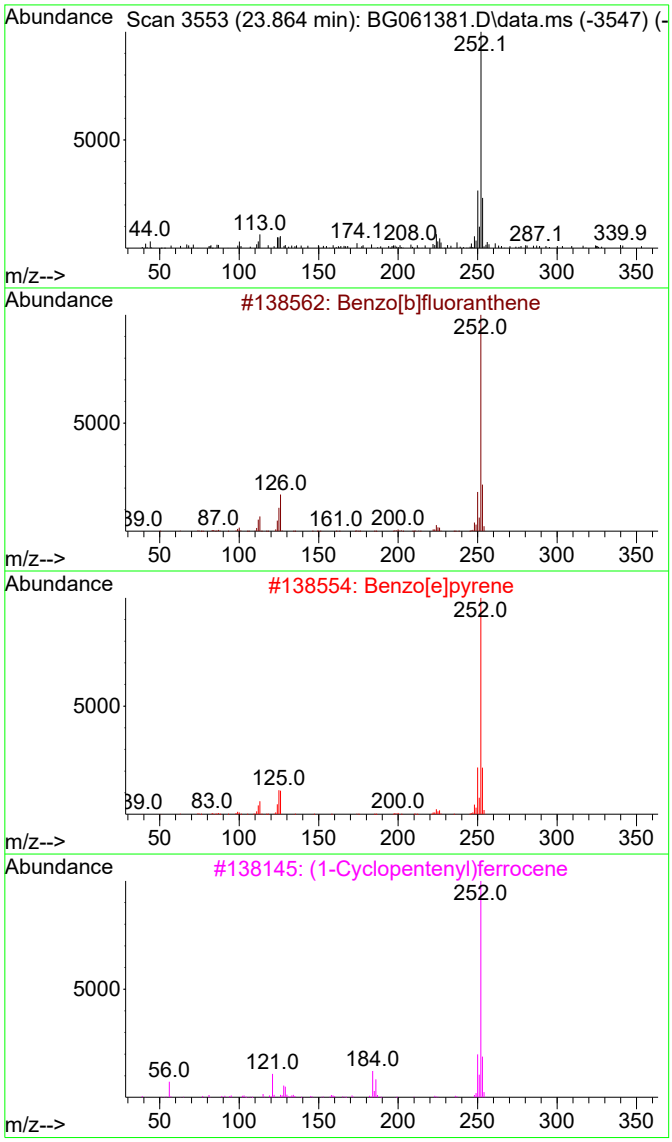
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

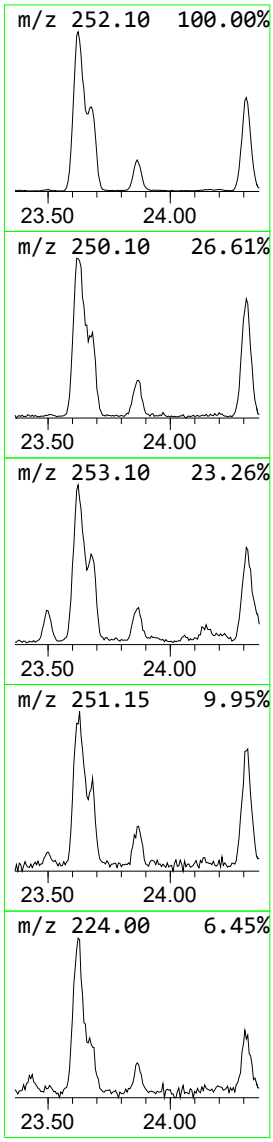
**********

Peak Number 15 Benzo[e]pyrene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.864 | 4.01 ng/ul | 108626 | Perylene-d12 | 24.593 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 81 |
| 2 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 81 |
| 3 | (1-Cyclopentenyl)ferrocene | 252 | C15H16Fe | 012260-67-2 | 78 |
| 4 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 76 |
| 5 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 74 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
Data File : BG061381.D
Acq On : 31 May 2024 6:08
Operator : MA/JU
Sample : P2570-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BH6B8

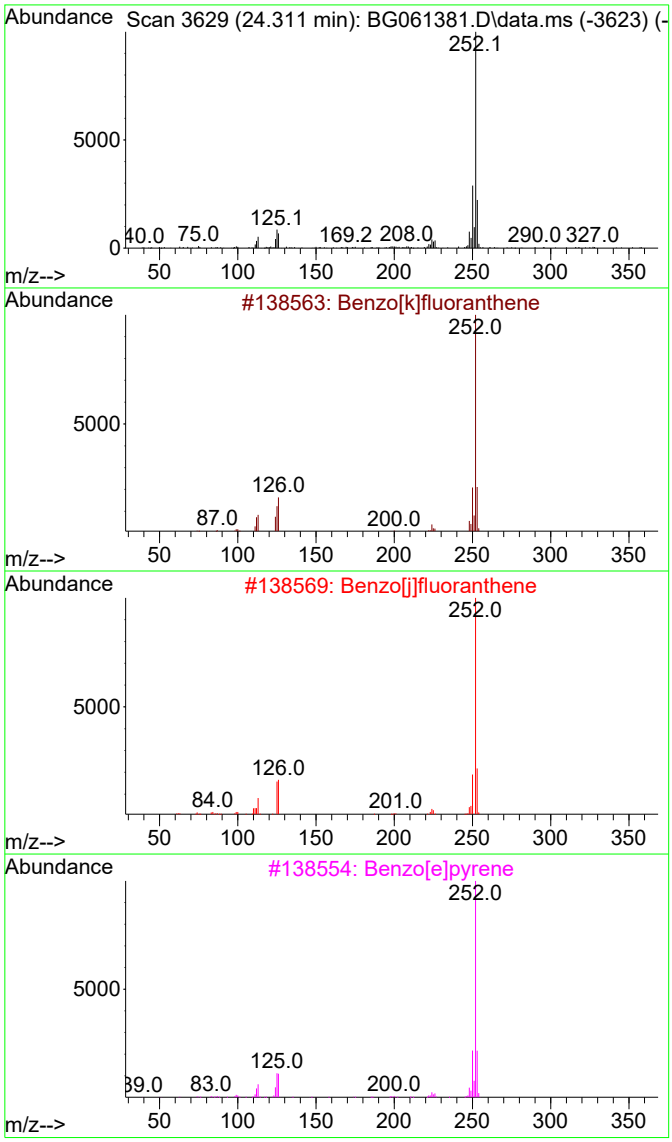
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION

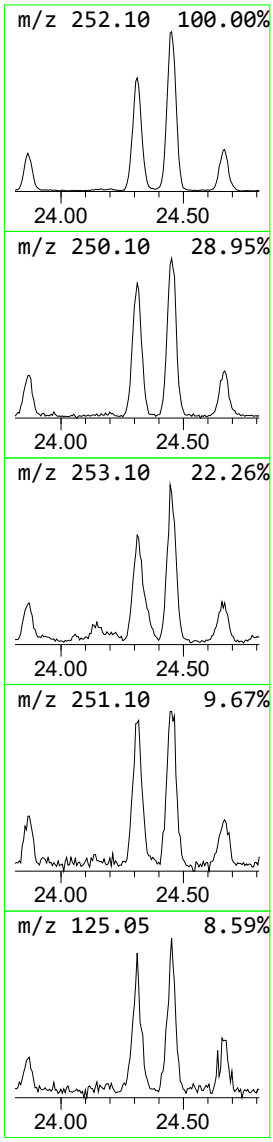
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 Benzo[j]fluoranthene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.311 | 10.02 ng/ul | 271388 | Perylene-d12 | 24.593 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 95 |
| 2 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 93 |
| 3 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 93 |
| 4 | Perylene | 252 | C20H12 | 000198-55-0 | 90 |
| 5 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 90 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
Data File : BG061381.D
Acq On : 31 May 2024 6:08
Operator : MA/JU
Sample : P2570-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BH6B8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.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 |
| Butane, 2-metho... | 3.077 | 51.4 | ng/ul | 431150 | 1 | 7.871 | 167917 | 20.0 |
| Ethanol, 2-[2-(... | 10.439 | 6.1 | ng/ul | 69485 | 2 | 10.668 | 227958 | 20.0 |
| Phenanthrene, 4... | 18.136 | 2.7 | ng/ul | 54811 | 4 | 17.254 | 411806 | 20.0 |
| n-Hexadecanoic ... | 18.159 | 3.5 | ng/ul | 72381 | 4 | 17.254 | 411806 | 20.0 |
| 4H-Cyclopenta[d... | 18.330 | 5.3 | ng/ul | 109143 | 4 | 17.254 | 411806 | 20.0 |
| 9,10-di(Chlorom... | 18.635 | 2.8 | ng/ul | 57361 | 4 | 17.254 | 411806 | 20.0 |
| 9,10-Anthracene... | 18.682 | 2.8 | ng/ul | 57403 | 4 | 17.254 | 411806 | 20.0 |
| Phenanthrene, 2... | 19.052 | 3.8 | ng/ul | 78447 | 4 | 17.254 | 411806 | 20.0 |
| Cyclopenta(def)... | 19.199 | 3.6 | ng/ul | 73619 | 4 | 17.254 | 411806 | 20.0 |
| Pyrene, 2-methyl- | 20.333 | 2.0 | ng/ul | 116802 | 5 | 21.508 | 1137150 | 20.0 |
| 7H-Benz[de]anth... | 20.927 | 2.5 | ng/ul | 142152 | 5 | 21.508 | 1137150 | 20.0 |
| unknown-01 | 21.179 | 4.5 | ng/ul | 254304 | 5 | 21.508 | 1137150 | 20.0 |
| 11H-Benzo[a]flu... | 21.250 | 2.3 | ng/ul | 132182 | 5 | 21.508 | 1137150 | 20.0 |
| 9-Octadecenamid... | 22.918 | 2.7 | ng/ul | 155551 | 5 | 21.508 | 1137150 | 20.0 |
| Benzo[e]pyrene | 23.864 | 4.0 | ng/ul | 108626 | 6 | 24.593 | 541785 | 20.0 |
| Benzo[j]fluoran... | 24.311 | 10.0 | ng/ul | 271388 | 6 | 24.593 | 541785 | 20.0 |