LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061074.D
Acq On : 1 May 2024 13:19
Operator : MA/JU
Sample : P2307-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
WC-2

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BG043024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG061074.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.520 | 424 | 431 | 442 | rVB | 401961 | 638094 | 5.34% | 0.590% |
| 2 | 7.106 | 693 | 701 | 709 | rBV | 432306 | 733368 | 6.14% | 0.678% |
| 3 | 7.929 | 835 | 841 | 848 | rBV | 114560 | 190043 | 1.59% | 0.176% |
| 4 | 9.087 | 1030 | 1038 | 1045 | rBV | 275487 | 489378 | 4.09% | 0.453% |
| 5 | 10.726 | 1308 | 1317 | 1322 | rBV | 153240 | 266661 | 2.23% | 0.247% |
| 6 | 13.182 | 1728 | 1735 | 1743 | rBV | 754821 | 1146756 | 9.59% | 1.061% |
| 7 | 14.286 | 1915 | 1923 | 1933 | rBV2 | 72816 | 175427 | 1.47% | 0.162% |
| 8 | 14.557 | 1959 | 1969 | 1975 | rBV | 229153 | 401219 | 3.36% | 0.371% |
| 9 | 14.621 | 1975 | 1980 | 1988 | rVV | 76418 | 127459 | 1.07% | 0.118% |
| 10 | 14.956 | 2031 | 2037 | 2045 | rVB2 | 105020 | 184113 | 1.54% | 0.170% |
| 11 | 15.608 | 2141 | 2148 | 2152 | rBV | 163957 | 251808 | 2.11% | 0.233% |
| 12 | 15.902 | 2192 | 2198 | 2207 | rVB3 | 62311 | 142010 | 1.19% | 0.131% |
| 13 | 16.049 | 2216 | 2223 | 2231 | rVB | 752210 | 1165089 | 9.75% | 1.078% |
| 14 | 16.284 | 2258 | 2263 | 2273 | rVB3 | 87653 | 175641 | 1.47% | 0.162% |
| 15 | 16.613 | 2311 | 2319 | 2323 | rBV3 | 72350 | 155766 | 1.30% | 0.144% |
| 16 | 16.842 | 2349 | 2358 | 2362 | rBV4 | 56840 | 143181 | 1.20% | 0.132% |
| 17 | 16.960 | 2374 | 2378 | 2386 | rVV2 | 125608 | 192648 | 1.61% | 0.178% |
| 18 | 17.042 | 2387 | 2392 | 2400 | rVV3 | 50335 | 119906 | 1.00% | 0.111% |
| 19 | 17.124 | 2401 | 2406 | 2416 | rVB | 201729 | 351281 | 2.94% | 0.325% |
| 20 | 17.306 | 2432 | 2437 | 2440 | rBV | 275005 | 429982 | 3.60% | 0.398% |
| 21 | 17.359 | 2440 | 2446 | 2452 | rVV | 2701343 | 3982110 | 33.31% | 3.684% |
| 22 | 17.441 | 2452 | 2460 | 2465 | rVV | 684309 | 1002295 | 8.38% | 0.927% |
| 23 | 17.500 | 2465 | 2470 | 2475 | rVV3 | 71204 | 134159 | 1.12% | 0.124% |
| 24 | 17.712 | 2497 | 2506 | 2510 | rBV | 157321 | 281846 | 2.36% | 0.261% |
| 25 | 17.829 | 2522 | 2526 | 2530 | rVB | 94319 | 128768 | 1.08% | 0.119% |
| 26 | 17.888 | 2530 | 2536 | 2545 | rVB | 174354 | 290627 | 2.43% | 0.269% |
| 27 | 18.035 | 2556 | 2561 | 2566 | rVB | 95153 | 178502 | 1.49% | 0.165% |
| 28 | 18.188 | 2581 | 2587 | 2590 | rVV | 473792 | 795705 | 6.66% | 0.736% |
| 29 | 18.235 | 2591 | 2595 | 2602 | rVB | 609798 | 949396 | 7.94% | 0.878% |
| 30 | 18.317 | 2602 | 2609 | 2613 | rBV | 176749 | 296754 | 2.48% | 0.275% |
| 31 | 18.382 | 2613 | 2620 | 2624 | rVV2 | 782967 | 1513848 | 12.66% | 1.400% |
| 32 | 18.417 | 2624 | 2626 | 2633 | rVB2 | 339310 | 408213 | 3.41% | 0.378% |
| 33 | 18.681 | 2666 | 2671 | 2675 | rBV | 400600 | 603714 | 5.05% | 0.558% |
| 34 | 18.728 | 2675 | 2679 | 2689 | rVB2 | 363790 | 597603 | 5.00% | 0.553% |
| 35 | 18.928 | 2710 | 2713 | 2718 | rVV | 151106 | 237683 | 1.99% | 0.220% |
| 36 | 18.981 | 2718 | 2722 | 2725 | rVV | 180437 | 249911 | 2.09% | 0.231% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061074.D
Acq On : 1 May 2024 13:19
Operator : MA/JU
Sample : P2307-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** WC-2

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BG043024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 19.022 | 2725 | 2729 | 2733 | rVB | 144981 | 217005 | 1.82% | 0.201% |
| 38 | 19.104 | 2733 | 2743 | 2747 | rBV | 404116 | 748725 | 6.26% | 0.693% |
| 39 | 19.163 | 2747 | 2753 | 2757 | rVV4 | 180067 | 412944 | 3.45% | 0.382% |
| 40 | 19.251 | 2762 | 2768 | 2774 | rBV | 376625 | 658109 | 5.51% | 0.609% |
| 41 | 19.386 | 2781 | 2791 | 2795 | rBV | 6454856 | 11102195 | 92.88% | 10.270% |
| 42 | 19.433 | 2795 | 2799 | 2801 | rVV | 110071 | 137763 | 1.15% | 0.127% |
| 43 | 19.468 | 2801 | 2805 | 2810 | rVB2 | 142901 | 218563 | 1.83% | 0.202% |
| 44 | 19.568 | 2817 | 2822 | 2825 | rBV4 | 80212 | 154727 | 1.29% | 0.143% |
| 45 | 19.609 | 2825 | 2829 | 2834 | rVB | 226578 | 332769 | 2.78% | 0.308% |
| 46 | 19.745 | 2840 | 2852 | 2857 | rBV2 | 5742432 | 11953625 | 100.00% | 11.058% |
| 47 | 19.797 | 2857 | 2861 | 2868 | rVB2 | 330854 | 564866 | 4.73% | 0.523% |
| 48 | 19.927 | 2868 | 2883 | 2887 | rBV2 | 1406420 | 2535722 | 21.21% | 2.346% |
| 49 | 19.962 | 2887 | 2889 | 2896 | rVB2 | 228874 | 325517 | 2.72% | 0.301% |
| 50 | 20.056 | 2898 | 2905 | 2910 | rBV2 | 395603 | 1014028 | 8.48% | 0.938% |
| 51 | 20.103 | 2910 | 2913 | 2916 | rVV | 104983 | 130688 | 1.09% | 0.121% |
| 52 | 20.185 | 2922 | 2927 | 2929 | rVV3 | 309725 | 527544 | 4.41% | 0.488% |
| 53 | 20.221 | 2929 | 2933 | 2938 | rVB | 774223 | 1150692 | 9.63% | 1.064% |
| 54 | 20.320 | 2946 | 2950 | 2954 | rBV | 431373 | 535659 | 4.48% | 0.496% |
| 55 | 20.379 | 2954 | 2960 | 2964 | rVV2 | 570036 | 892029 | 7.46% | 0.825% |
| 56 | 20.520 | 2979 | 2984 | 2987 | rBV | 354933 | 491938 | 4.12% | 0.455% |
| 57 | 20.561 | 2987 | 2991 | 2995 | rVB | 330715 | 452536 | 3.79% | 0.419% |
| 58 | 20.679 | 3007 | 3011 | 3015 | rVB3 | 124388 | 198277 | 1.66% | 0.183% |
| 59 | 20.978 | 3057 | 3062 | 3069 | rVB | 589146 | 902138 | 7.55% | 0.835% |
| 60 | 21.155 | 3085 | 3092 | 3096 | rBV2 | 674638 | 1330909 | 11.13% | 1.231% |
| 61 | 21.202 | 3096 | 3100 | 3103 | rVV | 553428 | 801735 | 6.71% | 0.742% |
| 62 | 21.249 | 3103 | 3108 | 3113 | rVV2 | 669994 | 1319664 | 11.04% | 1.221% |
| 63 | 21.307 | 3113 | 3118 | 3126 | rVB2 | 650185 | 1152138 | 9.64% | 1.066% |
| 64 | 21.431 | 3131 | 3139 | 3146 | rBV | 192086 | 492226 | 4.12% | 0.455% |
| 65 | 21.566 | 3151 | 3162 | 3167 | rBV2 | 3597780 | 7725532 | 64.63% | 7.147% |
| 66 | 21.631 | 3167 | 3173 | 3183 | rVB | 3250825 | 5997718 | 50.17% | 5.548% |
| 67 | 21.719 | 3184 | 3188 | 3191 | rBV5 | 99261 | 151253 | 1.27% | 0.140% |
| 68 | 21.766 | 3191 | 3196 | 3202 | rBV | 700018 | 1098216 | 9.19% | 1.016% |
| 69 | 21.830 | 3202 | 3207 | 3214 | rBV3 | 308700 | 593930 | 4.97% | 0.549% |
| 70 | 21.966 | 3224 | 3230 | 3237 | rBV2 | 421245 | 810873 | 6.78% | 0.750% |
| 71 | 22.030 | 3237 | 3241 | 3246 | rVB3 | 123402 | 202331 | 1.69% | 0.187% |
| 72 | 22.283 | 3276 | 3284 | 3290 | rVV2 | 375822 | 843831 | 7.06% | 0.781% |
| 73 | 22.353 | 3291 | 3296 | 3303 | rVB | 235437 | 435713 | 3.65% | 0.403% |
| 74 | 22.483 | 3316 | 3318 | 3324 | rVB2 | 108948 | 163903 | 1.37% | 0.152% |
| 75 | 22.547 | 3324 | 3329 | 3333 | rVV | 261242 | 537609 | 4.50% | 0.497% |
| 76 | 22.588 | 3333 | 3336 | 3343 | rVB5 | 257998 | 481131 | 4.02% | 0.445% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061074.D
Acq On : 1 May 2024 13:19
Operator : MA/JU
Sample : P2307-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** WC-2

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BG043024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 22.682 | 3346 | 3352 | 3366 | rVB4 | 205714 | 569807 | 4.77% | 0.527% |
| 78 | 23.346 | 3457 | 3465 | 3482 | rVB3 | 216879 | 813509 | 6.81% | 0.753% |
| 79 | 23.740 | 3518 | 3532 | 3538 | rBV | 2179500 | 7764601 | 64.96% | 7.183% |
| 80 | 23.963 | 3563 | 3570 | 3579 | rVB | 418616 | 943153 | 7.89% | 0.872% |
| 81 | 24.163 | 3597 | 3604 | 3608 | rBV3 | 115075 | 324635 | 2.72% | 0.300% |
| 82 | 24.433 | 3638 | 3650 | 3662 | rVB | 1237486 | 4012011 | 33.56% | 3.711% |
| 83 | 24.586 | 3663 | 3676 | 3685 | rVV | 1951804 | 5654426 | 47.30% | 5.231% |
| 84 | 24.704 | 3689 | 3696 | 3701 | rVV | 224254 | 671326 | 5.62% | 0.621% |
| 85 | 24.786 | 3702 | 3710 | 3724 | rVB | 590506 | 1929722 | 16.14% | 1.785% |
| 86 | 28.288 | 4288 | 4306 | 4323 | rVB2 | 676669 | 3571643 | 29.88% | 3.304% |
| 87 | 29.392 | 4476 | 4494 | 4516 | rBV2 | 520626 | 2918720 | 24.42% | 2.700% |

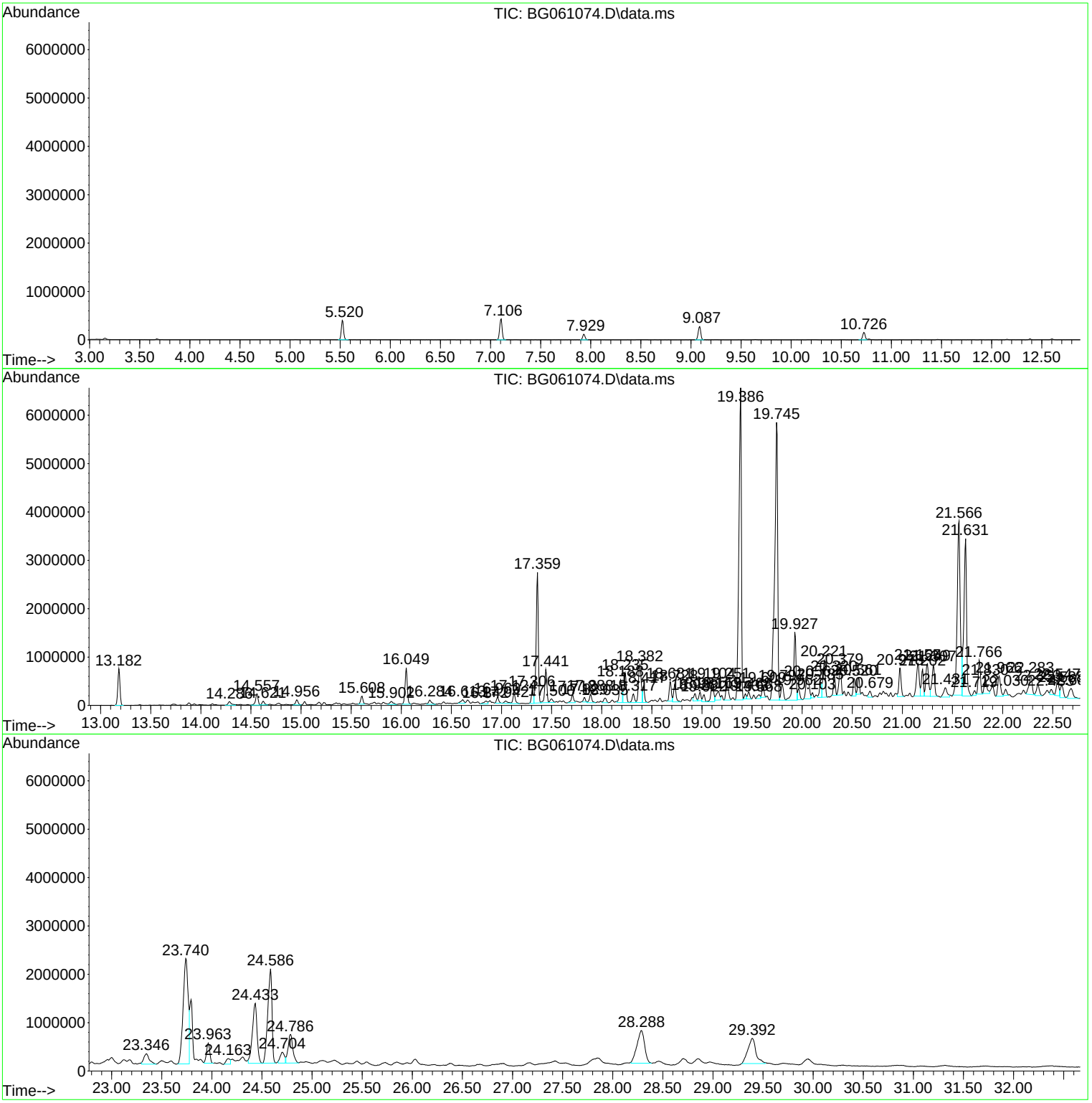
Sum of corrected areas: 108101288

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061074.D
Acq On : 1 May 2024 13:19
Operator : MA/JU
Sample : P2307-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061074.D
Acq On : 1 May 2024 13:19
Operator : MA/JU
Sample : P2307-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

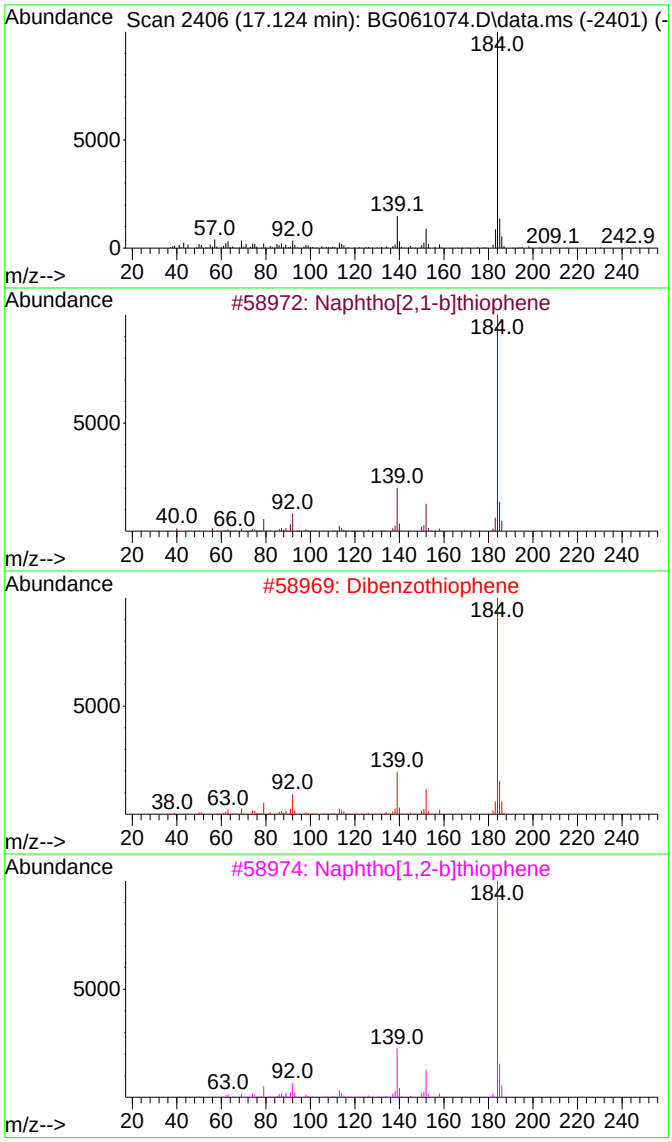
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

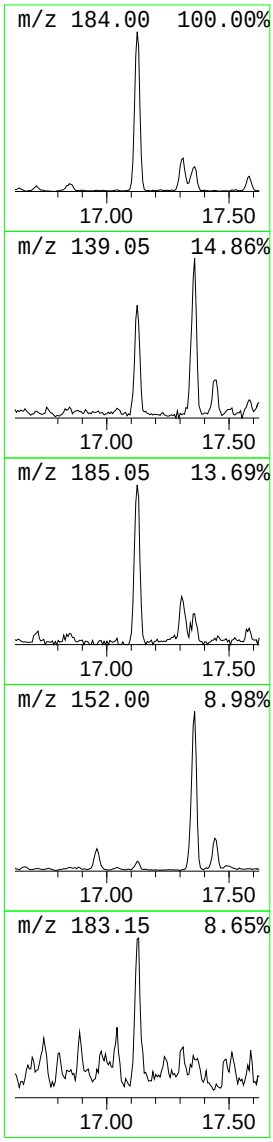
**********

Peak Number 1 Naphtho[2,1-b]thiophene Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.124 | 16.34 ng | 351281 | Phenanthrene-d10 | 17.306 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 96 |
| 2 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 95 |
| 3 | Naphtho[1,2-b]thiophene | 184 | C12H8S | 000234-41-3 | 93 |
| 4 | Naphtho[2,3-b]thiophene | 184 | C12H8S | 000268-77-9 | 93 |
| 5 | Azuleno(2,1-b)thiophene | 184 | C12H8S | 000248-13-5 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061074.D
Acq On : 1 May 2024 13:19
Operator : MA/JU
Sample : P2307-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

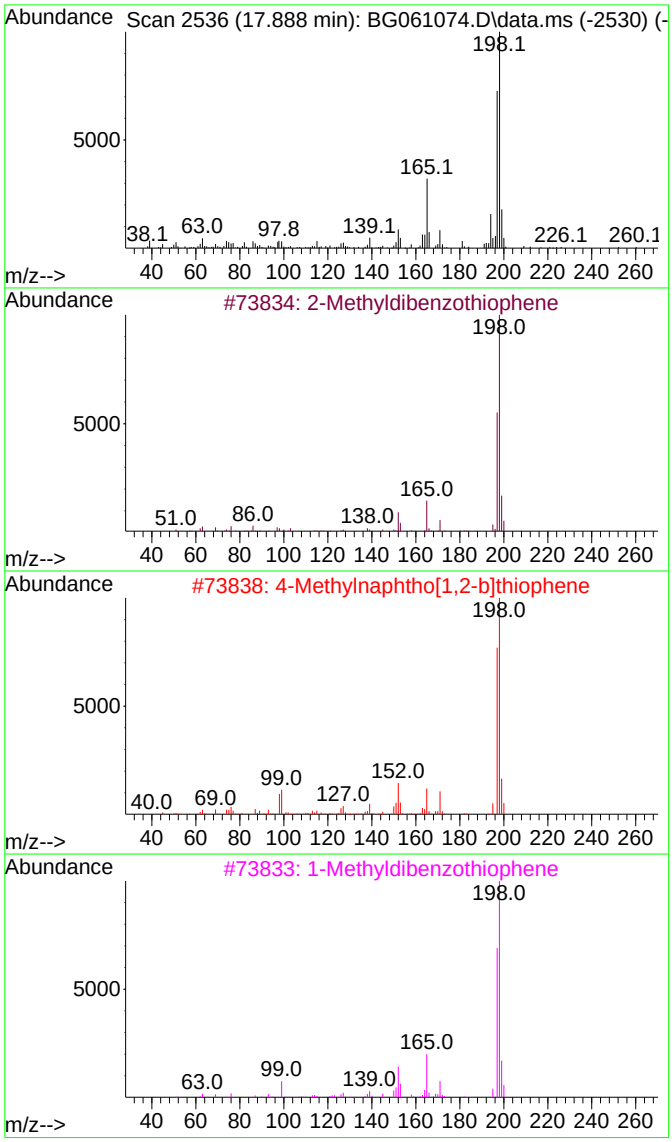
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

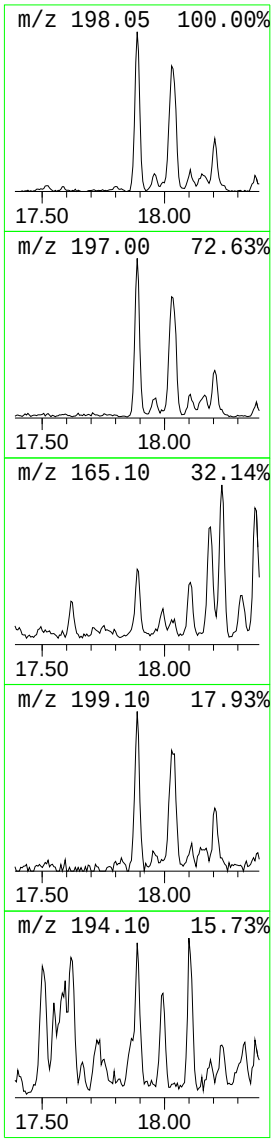
**********

Peak Number 2 2-Methyldibenzothiophene Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.888 | 13.52 ng | 290627 | Phenanthrene-d10 | 17.306 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Methyldibenzothiophene | 198 | C13H10S | 1000383-55-1 | 87 |
| 2 | 4-Methylnaphtho[1,2-b]thiophene | 198 | C13H10S | 067388-11-8 | 83 |
| 3 | 1-Methyldibenzothiophene | 198 | C13H10S | 031317-07-4 | 83 |
| 4 | Dibenzothiophene, 3-methyl- | 198 | C13H10S | 016587-52-3 | 81 |
| 5 | Dibenzothiophene, 4-methyl- | 198 | C13H10S | 007372-88-5 | 74 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061074.D
Acq On : 1 May 2024 13:19
Operator : MA/JU
Sample : P2307-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

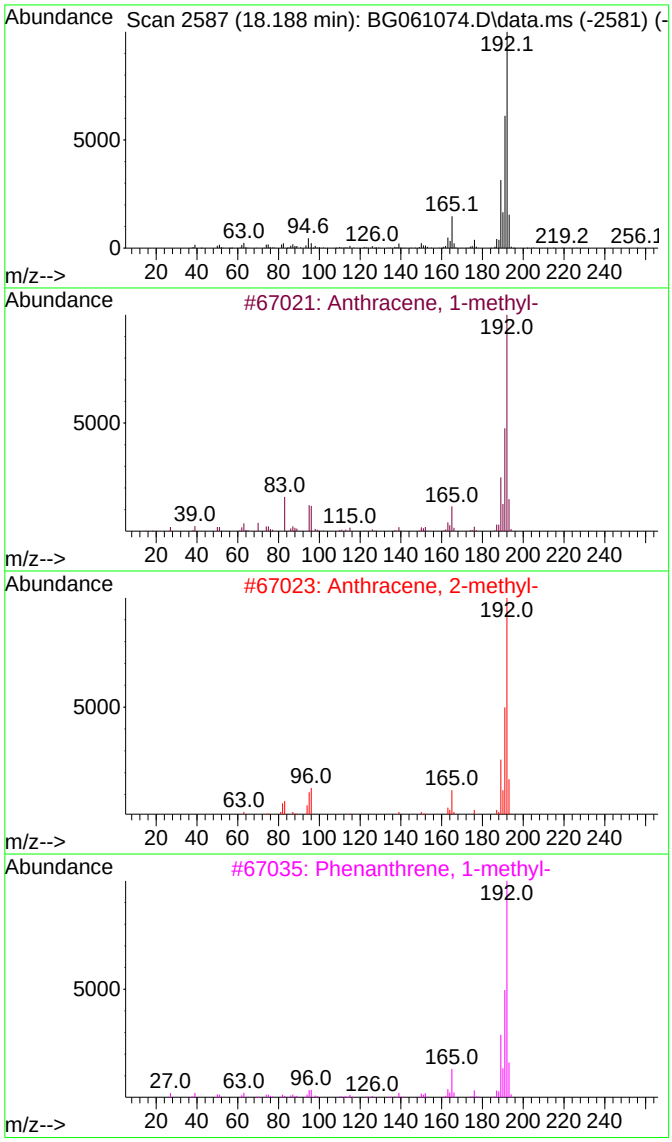
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

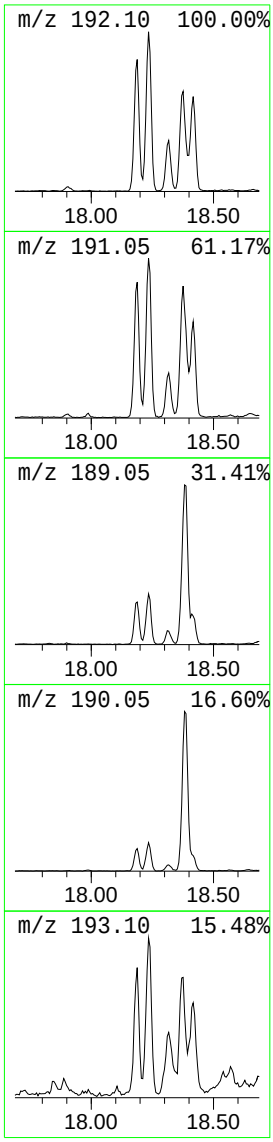
**********

Peak Number 3 Anthracene, 1-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.188 | 37.01 ng | 795705 | Phenanthrene-d10 | 17.306 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 93 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 93 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061074.D
Acq On : 1 May 2024 13:19
Operator : MA/JU
Sample : P2307-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

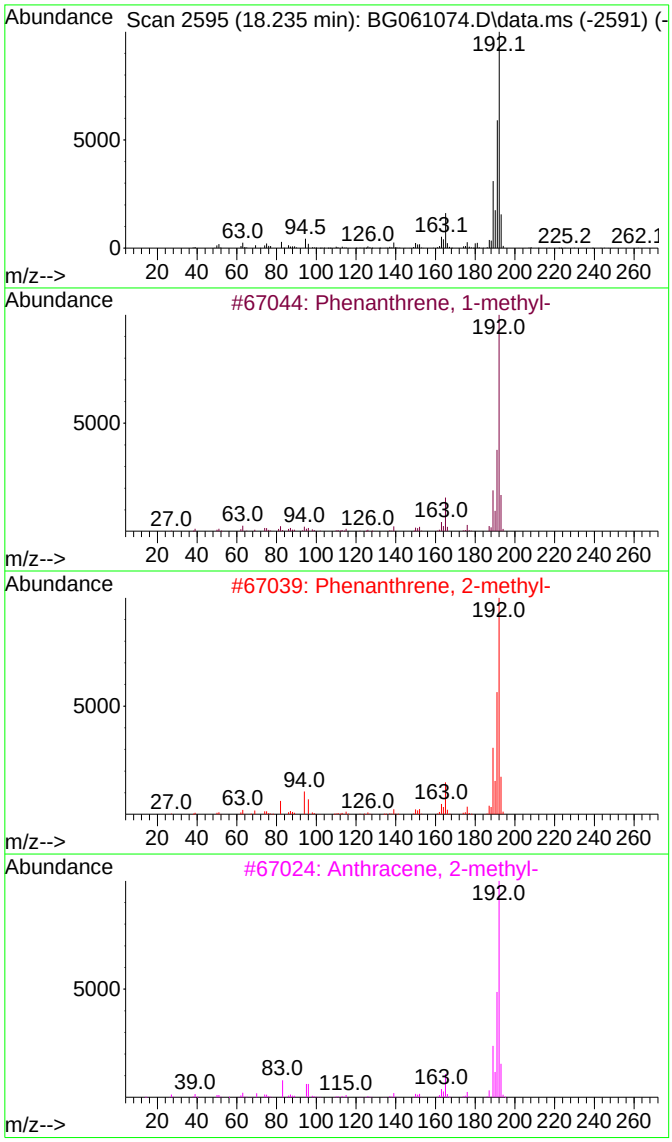
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

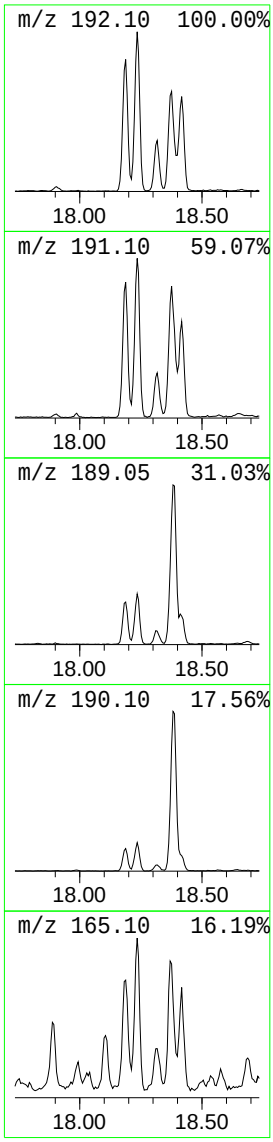
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.235 | 44.16 ng | 949396 | Phenanthrene-d10 | 17.306 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 95 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 93 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |
| 4 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 93 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061074.D
Acq On : 1 May 2024 13:19
Operator : MA/JU
Sample : P2307-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

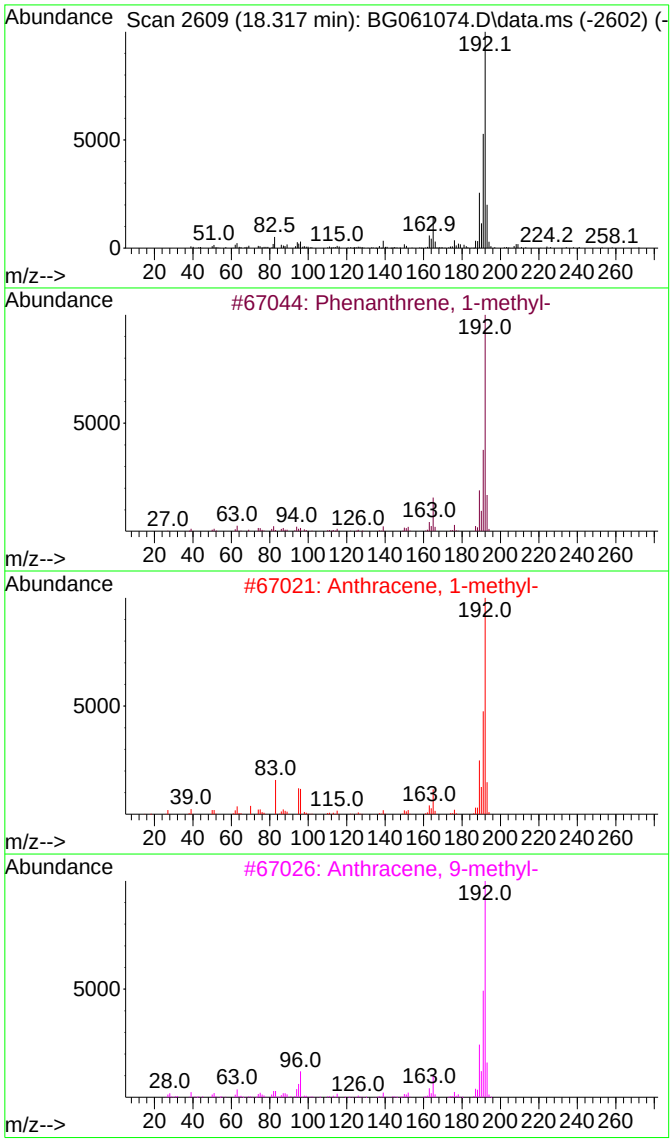
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

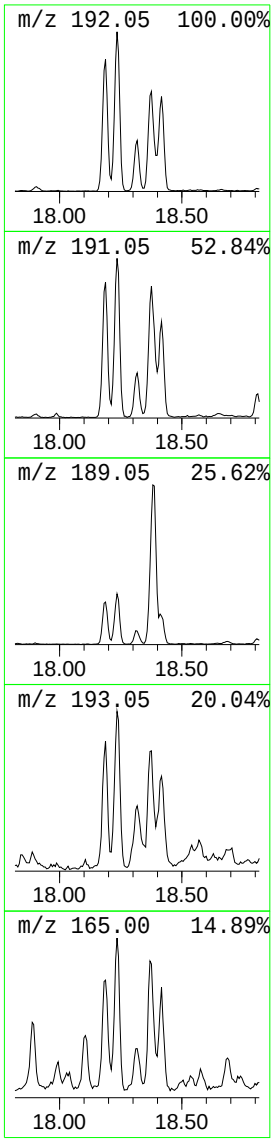
**********

Peak Number 5 Anthracene, 9-methyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.317 | 13.80 ng | 296754 | Phenanthrene-d10 | 17.306 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 95 |
| 2 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 93 |
| 3 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 93 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 91 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061074.D
Acq On : 1 May 2024 13:19
Operator : MA/JU
Sample : P2307-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
WC-2

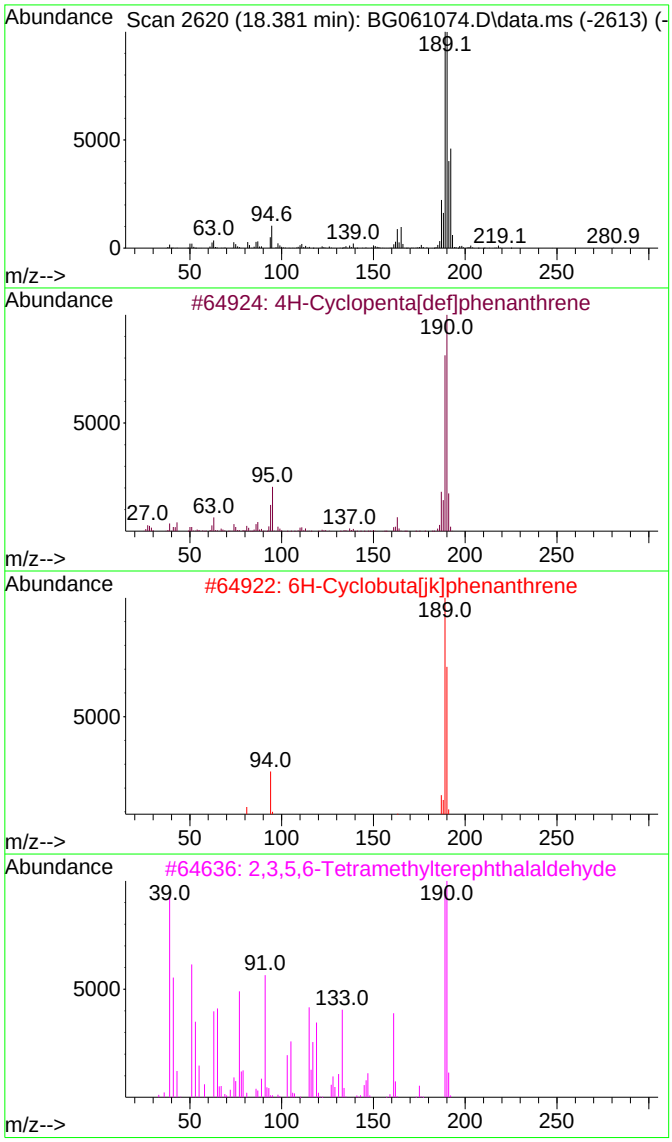
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

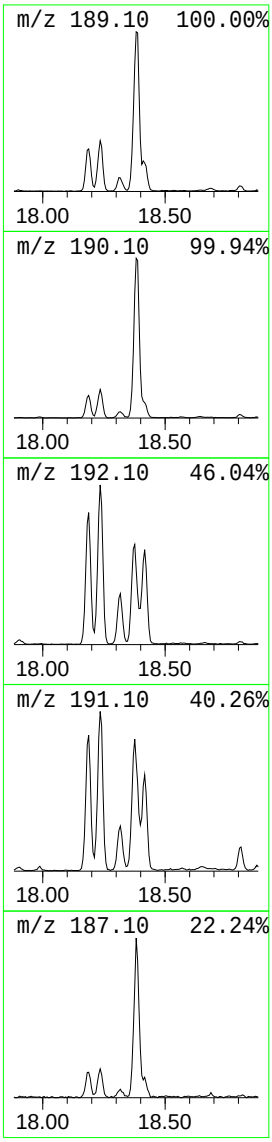
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.381 | 70.41 ng | 1513850 | Phenanthrene-d10 | 17.306 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 64 |
| 2 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 58 |
| 3 | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2 | 007072-01-7 | 43 |
| 4 | 2,4(1H,3H)-Pyrimidinedione, 5-br... | 190 | C4H3BrN2O2 | 000051-20-7 | 35 |
| 5 | 4,6-Dichloro-2-ethylpyrimidin-5-... | 191 | C6H7Cl2N3 | 006237-96-3 | 27 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061074.D
Acq On : 1 May 2024 13:19
Operator : MA/JU
Sample : P2307-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

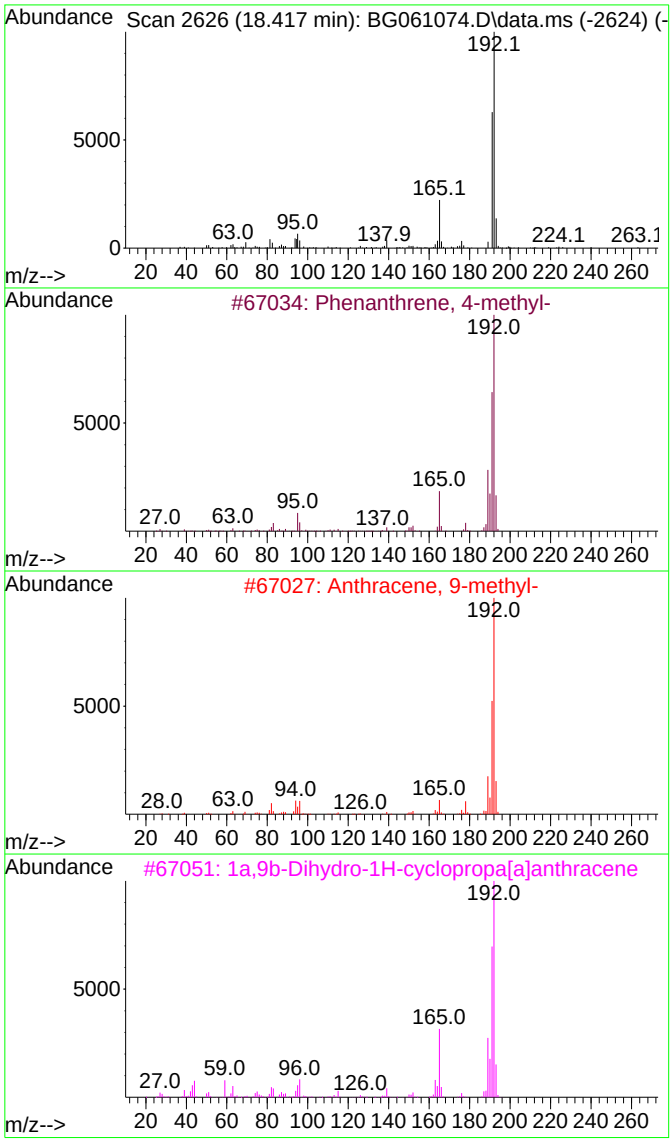
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

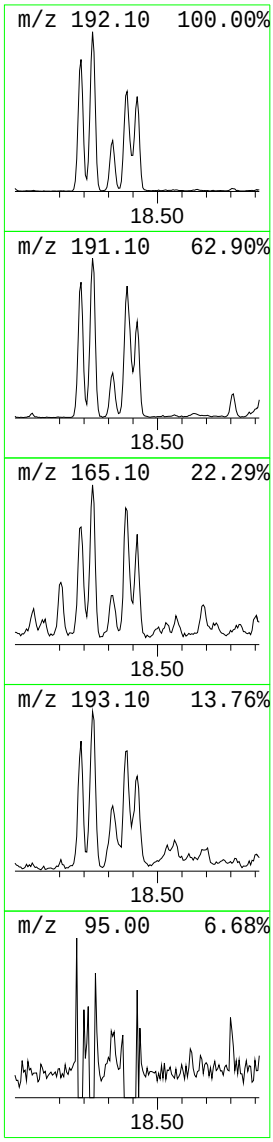
**********

Peak Number 7 Phenanthrene, 4-methyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.417 | 18.99 ng | 408213 | Phenanthrene-d10 | 17.306 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 91 |
| 2 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 91 |
| 3 | 1a,9b-Dihydro-1H-cyclopropa[a]an... | 192 | C15H12 | 006109-24-6 | 91 |
| 4 | Phenanthrene, 3-methyl- | 192 | C15H12 | 000832-71-3 | 90 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 86 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061074.D
Acq On : 1 May 2024 13:19
Operator : MA/JU
Sample : P2307-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
WC-2

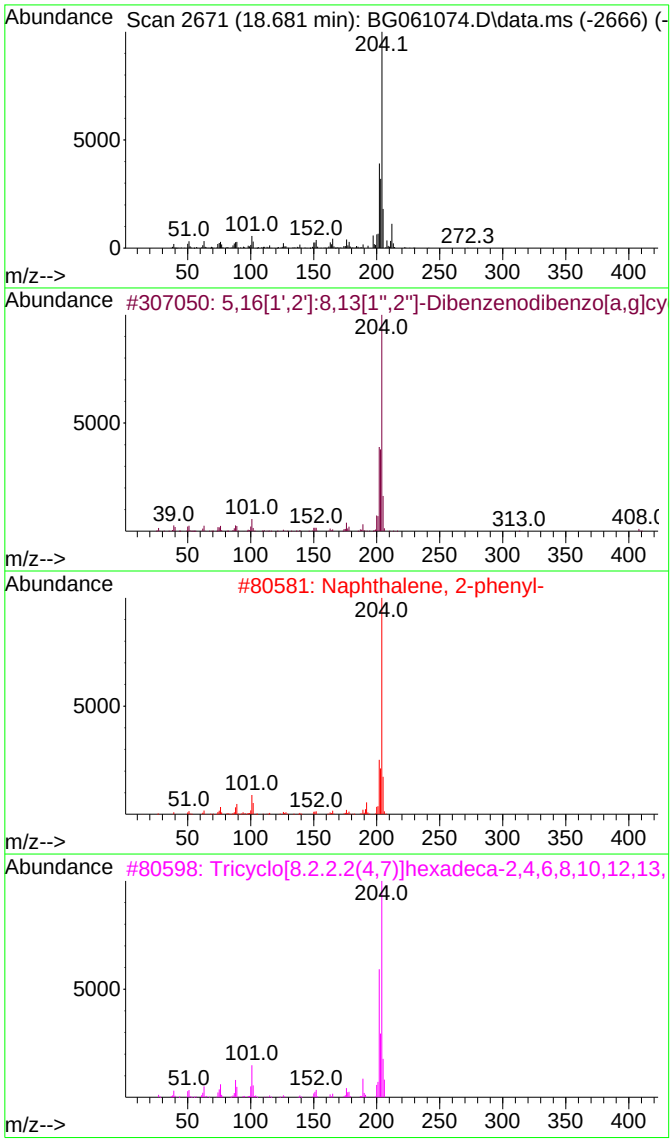
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

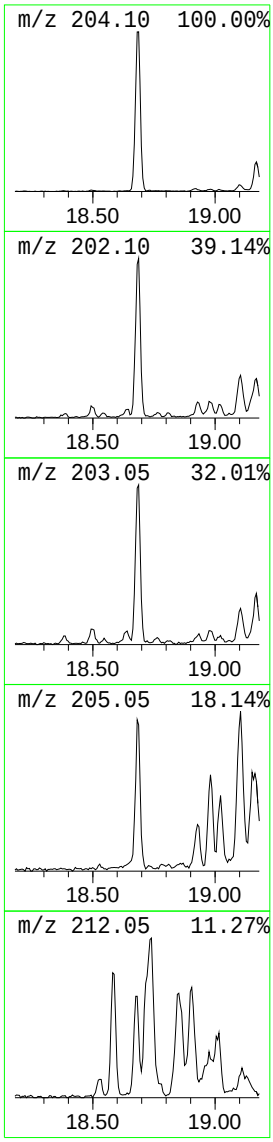
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.681 | 28.08 ng | 603714 | Phenanthrene-d10 | 17.306 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 83 |
| 2 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 64 |
| 3 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 64 |
| 4 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 50 |
| 5 | [1,1'-Biphenyl]-2,2'-dicarbonitrile | 204 | C14H8N2 | 004341-02-0 | 46 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061074.D
Acq On : 1 May 2024 13:19
Operator : MA/JU
Sample : P2307-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

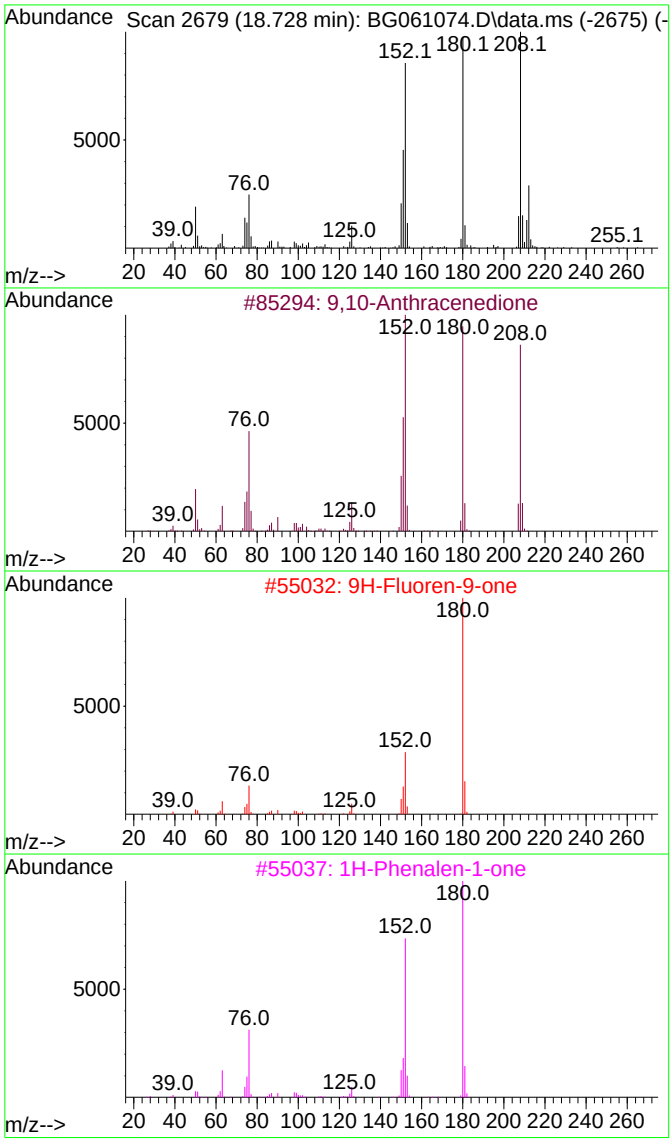
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

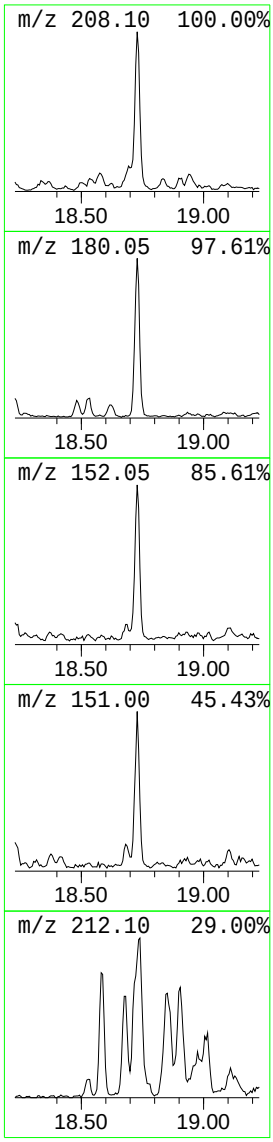
**********

Peak Number 9 9,10-Anthracenedione Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.728 | 27.80 ng | 597603 | Phenanthrene-d10 | 17.306 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 97 |
| 2 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 58 |
| 3 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 55 |
| 4 | 1,4-Anthracenedione | 208 | C14H8O2 | 000635-12-1 | 55 |
| 5 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061074.D
Acq On : 1 May 2024 13:19
Operator : MA/JU
Sample : P2307-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

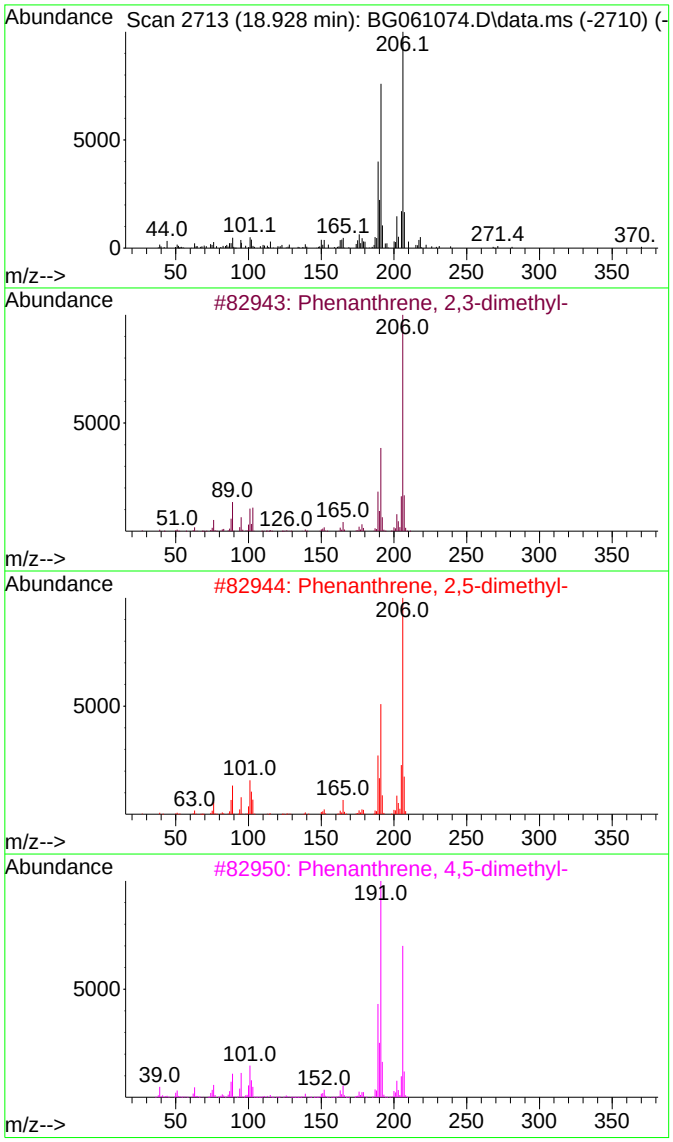
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

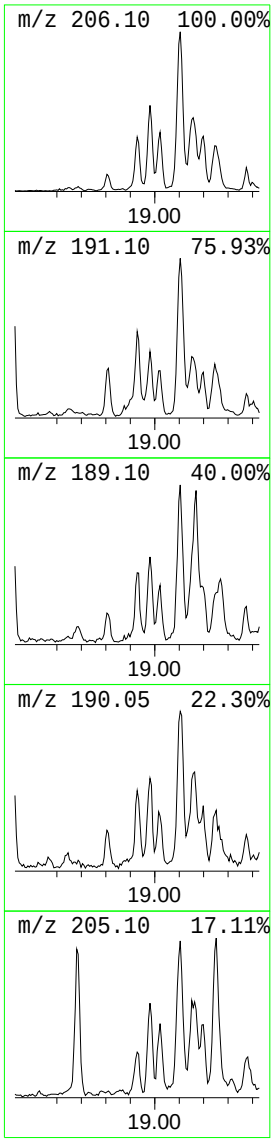
**********

Peak Number 10 Phenanthrene, 2,3-dimethyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.928 | 11.06 ng | 237683 | Phenanthrene-d10 | 17.306 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 91 |
| 2 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 90 |
| 3 | Phenanthrene, 4,5-dimethyl- | 206 | C16H14 | 003674-69-9 | 87 |
| 4 | 1H-Indene, 2-methyl-3-phenyl- | 206 | C16H14 | 035099-60-6 | 83 |
| 5 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061074.D
Acq On : 1 May 2024 13:19
Operator : MA/JU
Sample : P2307-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

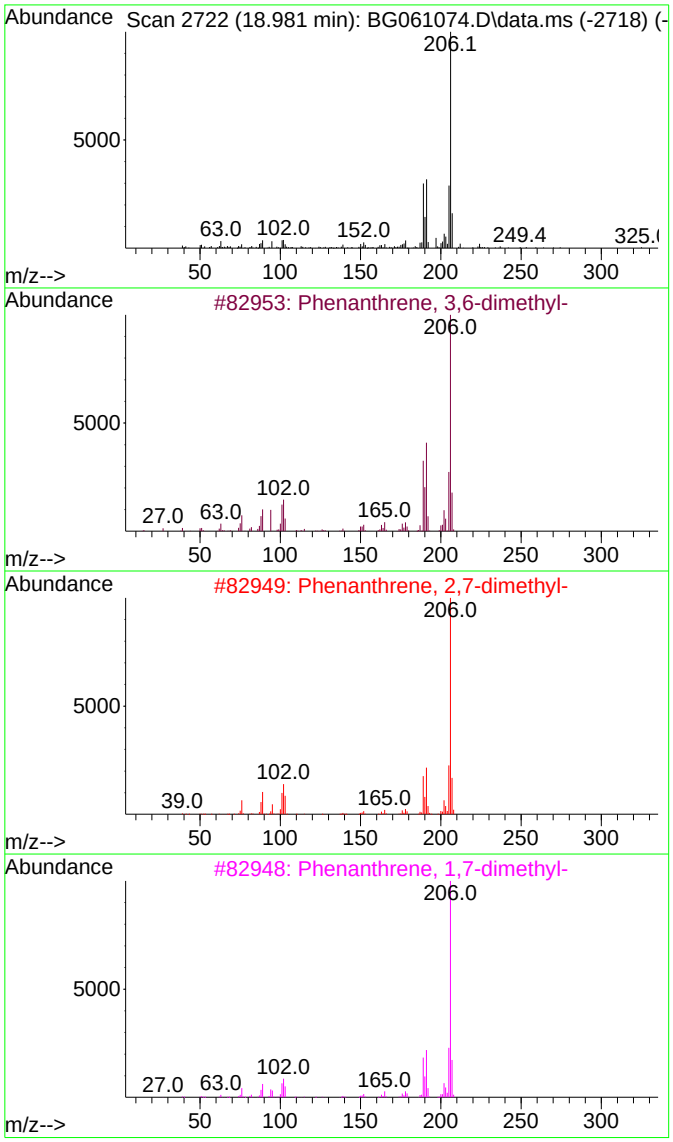
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

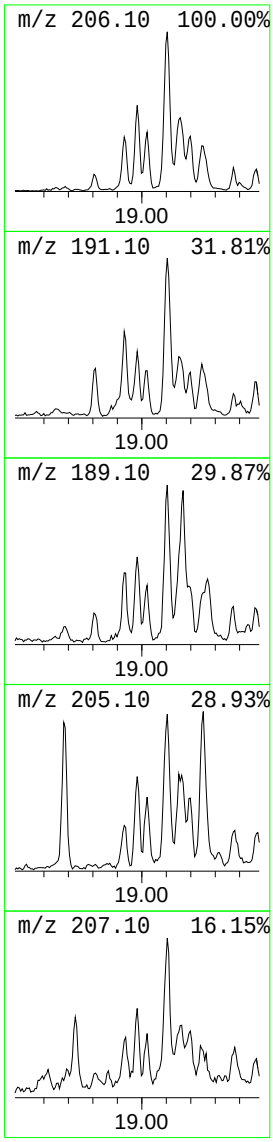
**********

Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.981 | 11.62 ng | 249911 | Phenanthrene-d10 | 17.306 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 94 |
| 2 | Phenanthrene, 2,7-dimethyl- | 206 | C16H14 | 001576-69-8 | 91 |
| 3 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 90 |
| 4 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 81 |
| 5 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 74 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061074.D
Acq On : 1 May 2024 13:19
Operator : MA/JU
Sample : P2307-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

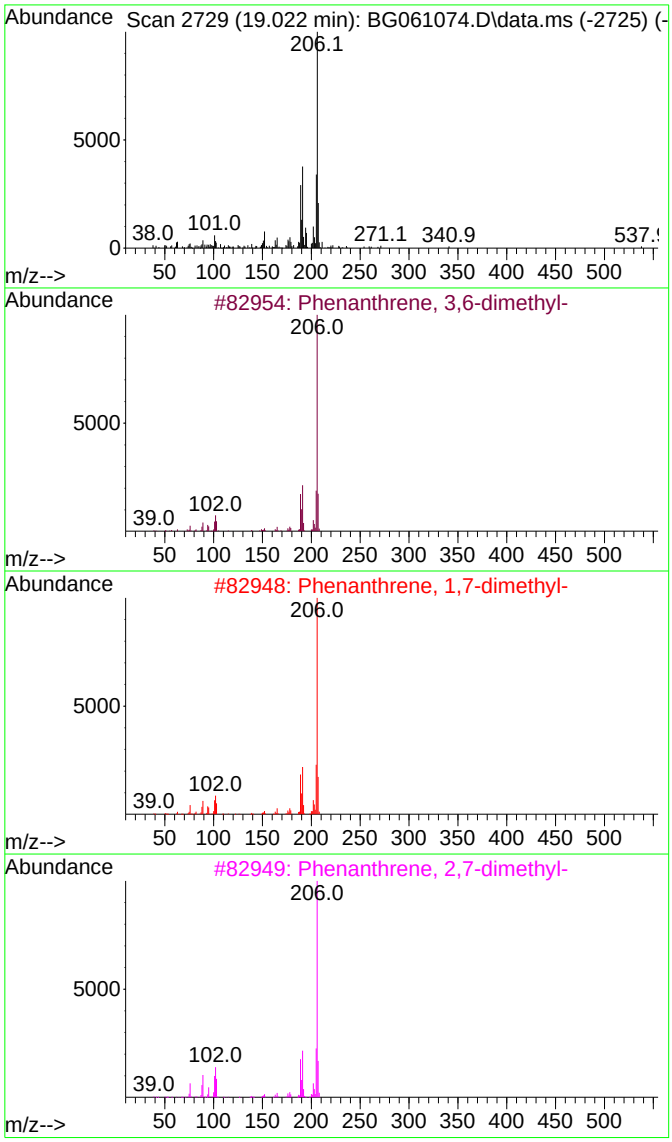
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

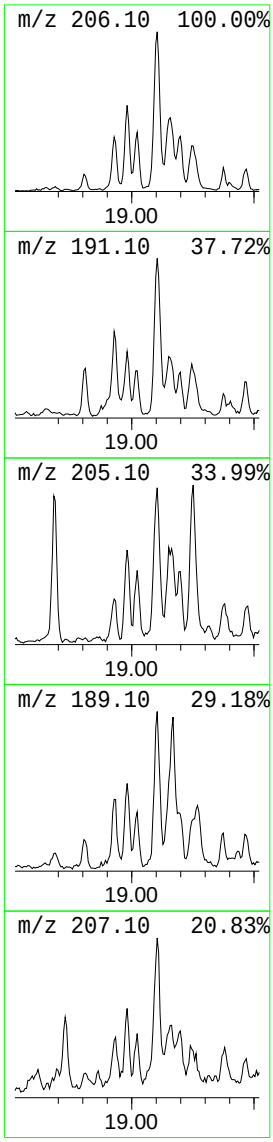
**********

Peak Number 12 Phenanthrene, 1,7-dimethyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.022 | 10.09 ng | 217005 | Phenanthrene-d10 | 17.306 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 95 |
| 2 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 87 |
| 3 | Phenanthrene, 2,7-dimethyl- | 206 | C16H14 | 001576-69-8 | 87 |
| 4 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 81 |
| 5 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 68 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061074.D
Acq On : 1 May 2024 13:19
Operator : MA/JU
Sample : P2307-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

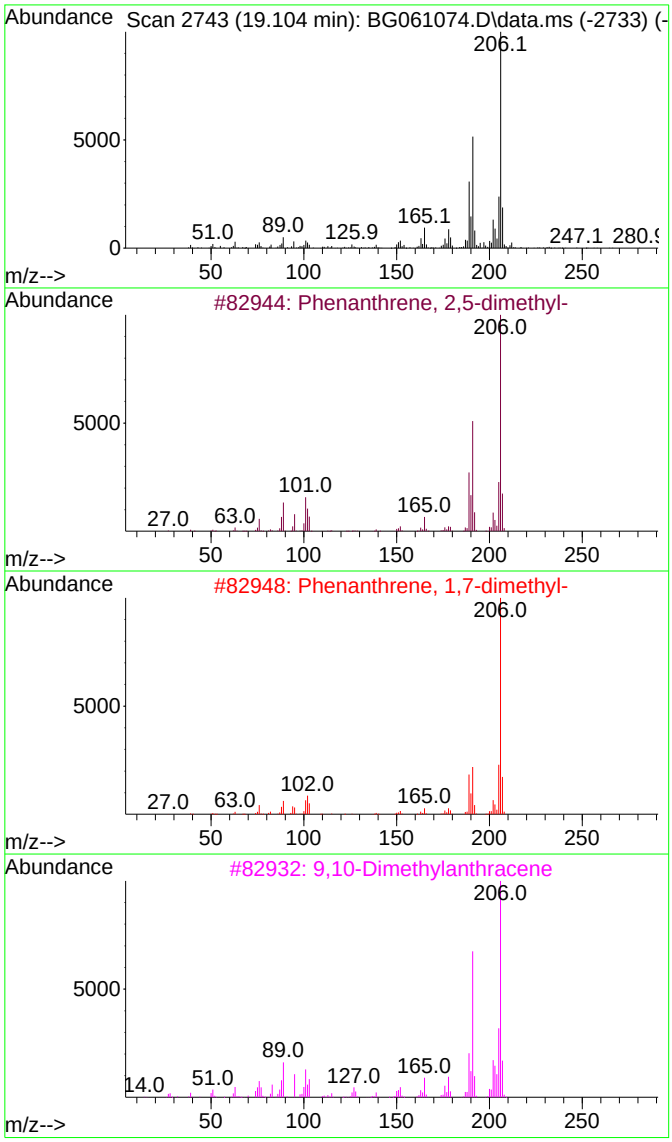
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

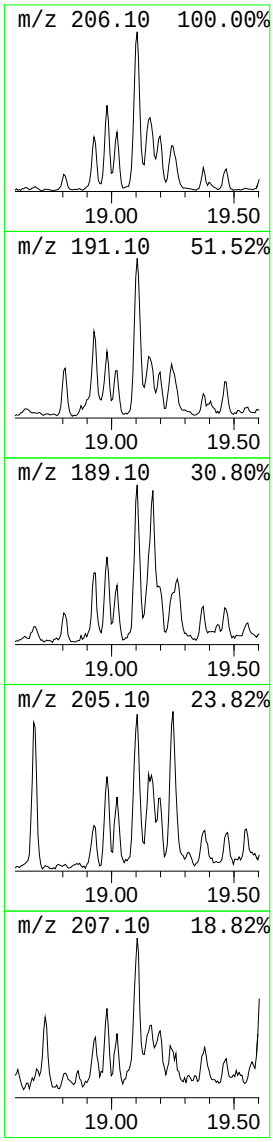
**********

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.104 | 34.83 ng | 748725 | Phenanthrene-d10 | 17.306 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 94 |
| 2 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 91 |
| 3 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 91 |
| 4 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 90 |
| 5 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061074.D
Acq On : 1 May 2024 13:19
Operator : MA/JU
Sample : P2307-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

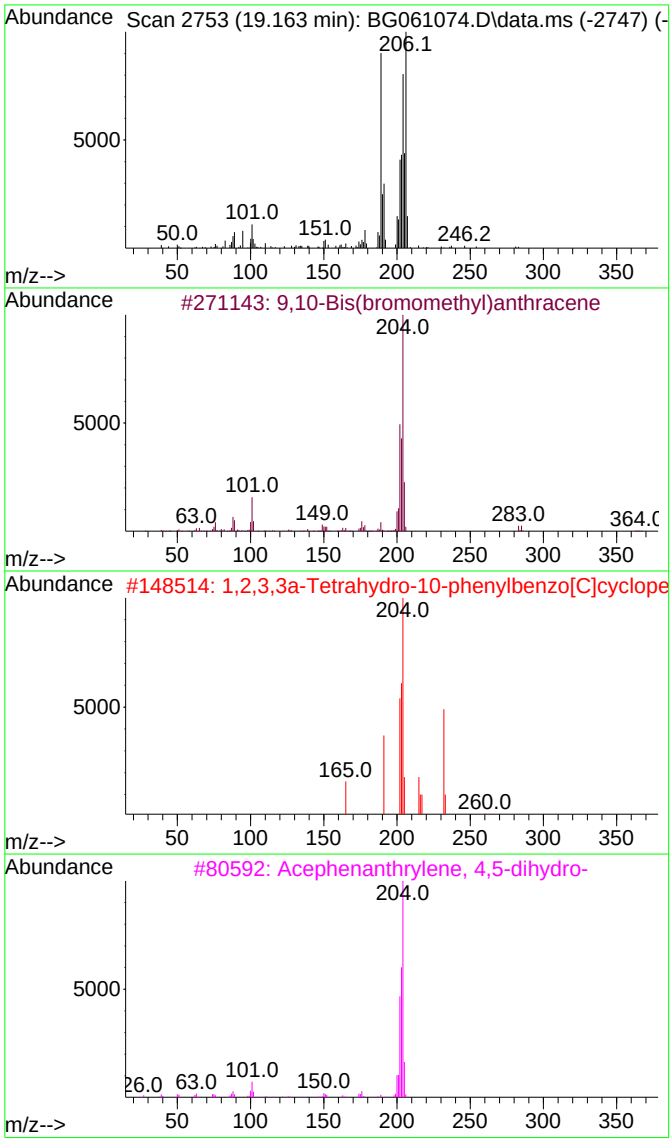
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

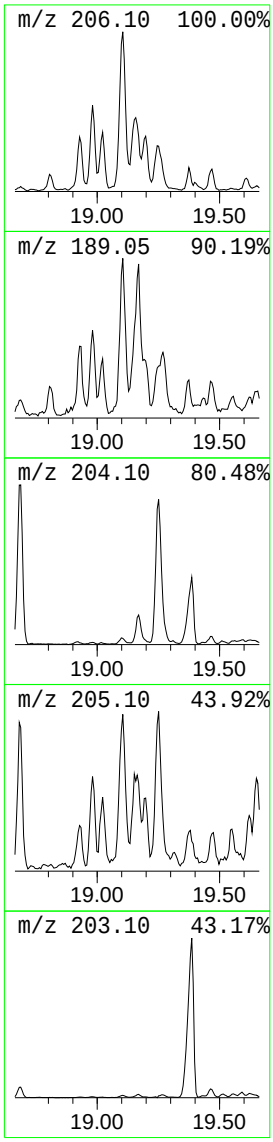
**********

Peak Number 14 unknown19.163 Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.163 | 19.21 ng | 412944 | Phenanthrene-d10 | 17.306 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 38 |
| 2 | 1,2,3,3a-Tetrahydro-10-phenylben... | 260 | C18H16N2 | 028749-06-6 | 35 |
| 3 | Acephenanthrylene, 4,5-dihydro- | 204 | C16H12 | 006232-48-0 | 35 |
| 4 | 1,3-Butadiene, 1,4-diphenyl-, (E... | 206 | C16H14 | 000538-81-8 | 30 |
| 5 | Glycine, N-(2,2,2-trichloroethox... | 277 | C7H10Cl3NO4 | 1000313-51-2 | 27 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061074.D
Acq On : 1 May 2024 13:19
Operator : MA/JU
Sample : P2307-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

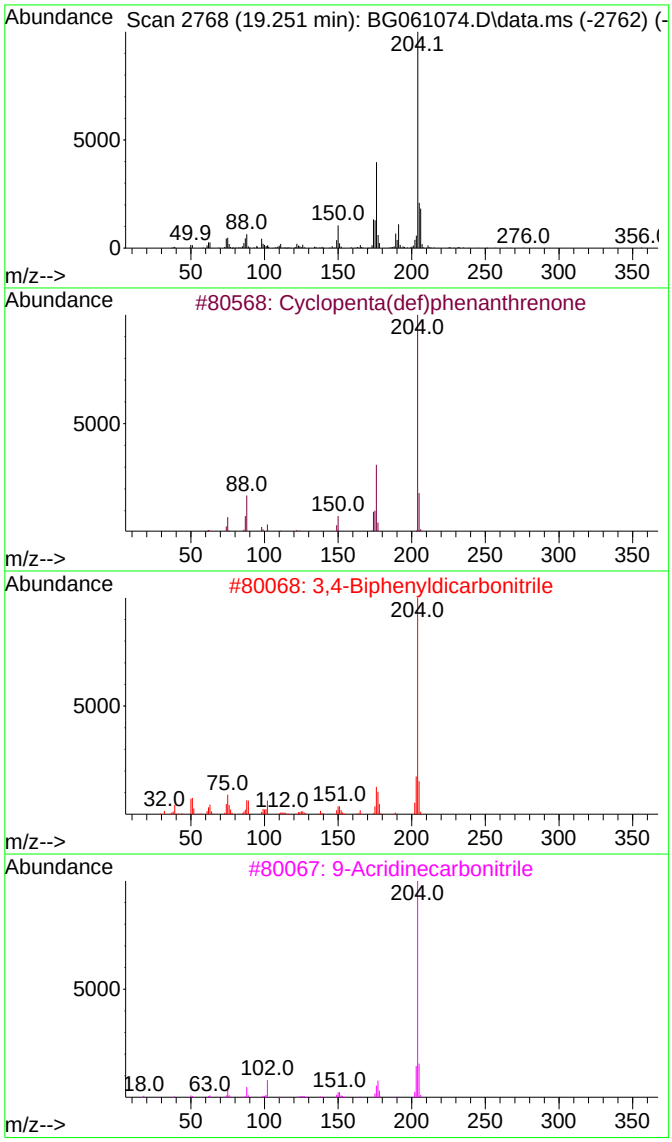
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

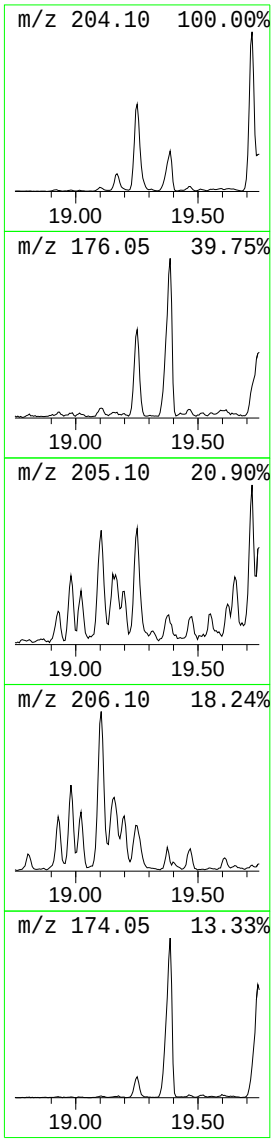
**********

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.251 | 30.61 ng | 658109 | Phenanthrene-d10 | 17.306 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 91 |
| 2 | 3,4-Biphenyldicarbonitrile | 204 | C14H8N2 | 004128-63-6 | 53 |
| 3 | 9-Acridinecarbonitrile | 204 | C14H8N2 | 005326-19-2 | 52 |
| 4 | [1,1'-Biphenyl]-2,2'-dicarbonitrile | 204 | C14H8N2 | 004341-02-0 | 50 |
| 5 | Ethyl .alpha.-D-glucopyranoside,... | 496 | C20H48O6Si4 | 1000365-90-0 | 47 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061074.D
Acq On : 1 May 2024 13:19
Operator : MA/JU
Sample : P2307-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

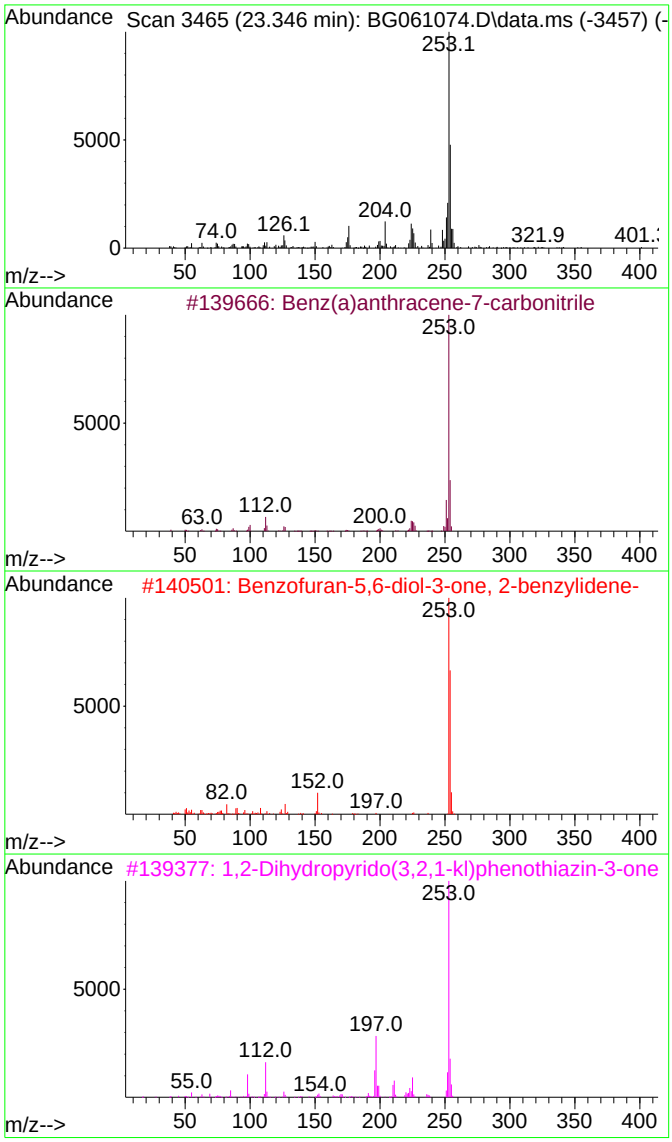
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

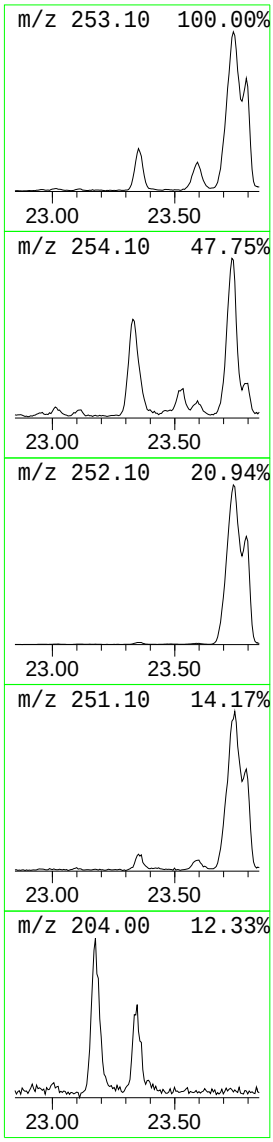
**********

Peak Number 16 Benz(a)anthracene-7-carboni... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.346 | 24.24 ng | 813509 | Perylene-d12 | 24.709 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benz(a)anthracene-7-carbonitrile | 253 | C19H11N | 007476-08-6 | 70 |
| 2 | Benzofuran-5,6-diol-3-one, 2-ben... | 254 | C15H10O4 | 1000128-65-2 | 47 |
| 3 | 1,2-Dihydropyrido(3,2,1-kl)pheno... | 253 | C15H11NOS | 069513-42-4 | 43 |
| 4 | Acridin-1(2H)-one, 3,4-dihydro-3... | 282 | C18H22N2O | 146352-02-5 | 43 |
| 5 | 3-(3-Fluorobenzyl)-6-methyl-2-pr... | 282 | C18H19FN2 | 1000457-96-1 | 42 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061074.D
Acq On : 1 May 2024 13:19
Operator : MA/JU
Sample : P2307-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

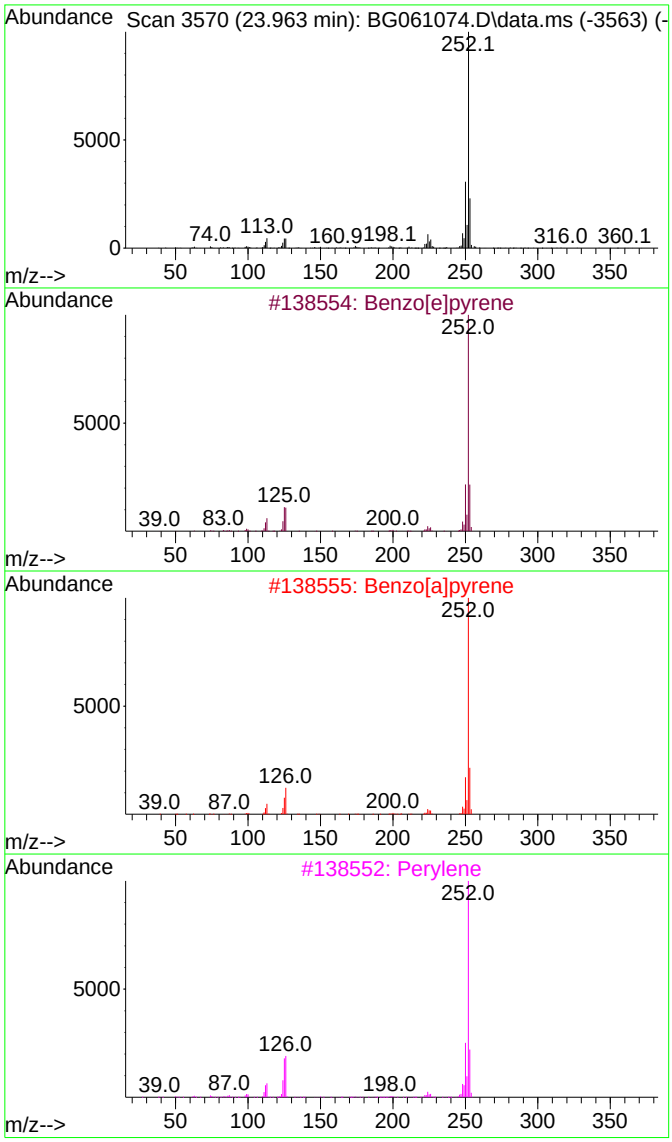
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

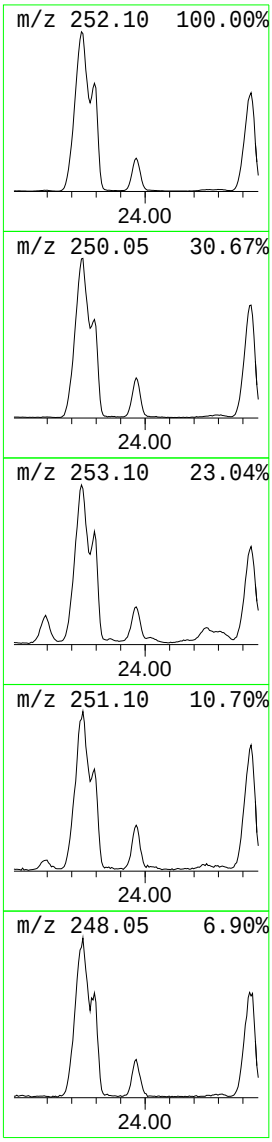
**********

Peak Number 17 Benzo[e]pyrene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.963 | 28.10 ng | 943153 | Perylene-d12 | 24.709 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 91 |
| 2 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 87 |
| 3 | Perylene | 252 | C20H12 | 000198-55-0 | 76 |
| 4 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 76 |
| 5 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 74 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061074.D
Acq On : 1 May 2024 13:19
Operator : MA/JU
Sample : P2307-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

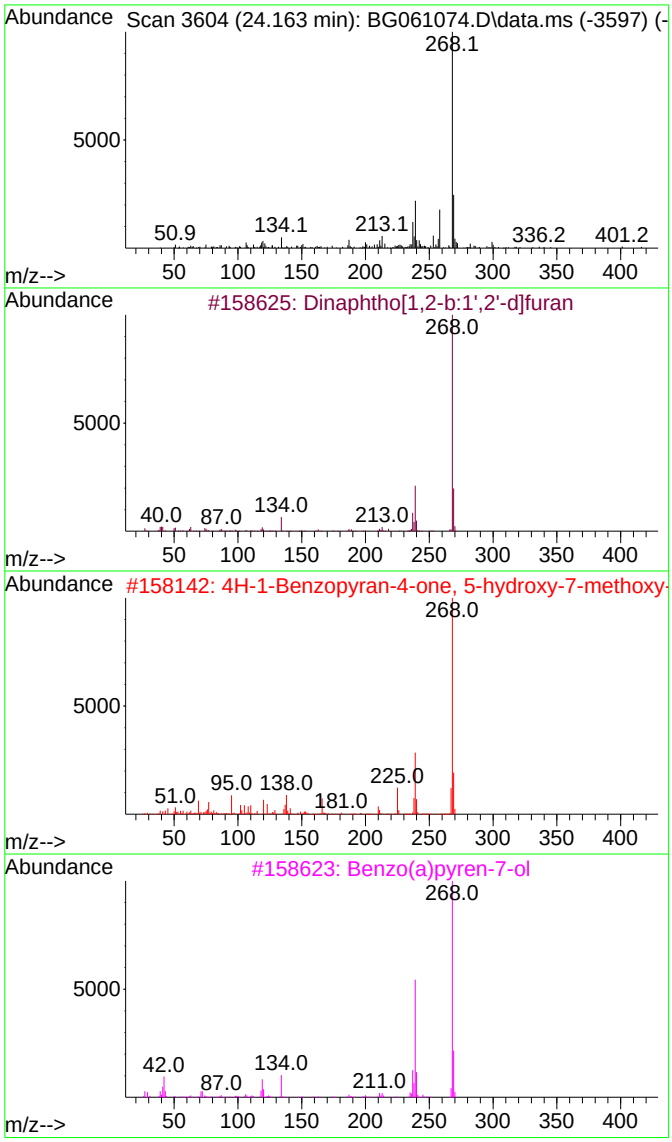
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

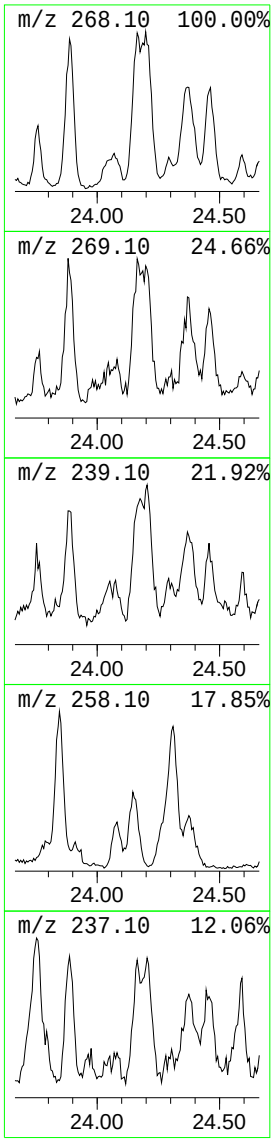
**********

Peak Number 18 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.163 | 9.67 ng | 324635 | Perylene-d12 | 24.709 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dinaphtho[1,2-b:1',2'-d]furan | 268 | C20H12O | 000207-93-2 | 74 |
| 2 | 4H-1-Benzopyran-4-one, 5-hydroxy... | 268 | C16H12O4 | 000520-28-5 | 64 |
| 3 | Benzo(a)pyren-7-ol | 268 | C20H12O | 037994-82-4 | 62 |
| 4 | Dinaphtho[2,1-b:1',2'-d]furan | 268 | C20H12O | 000194-63-8 | 58 |
| 5 | Diethylstilbestrol | 268 | C18H20O2 | 000056-53-1 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061074.D
Acq On : 1 May 2024 13:19
Operator : MA/JU
Sample : P2307-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

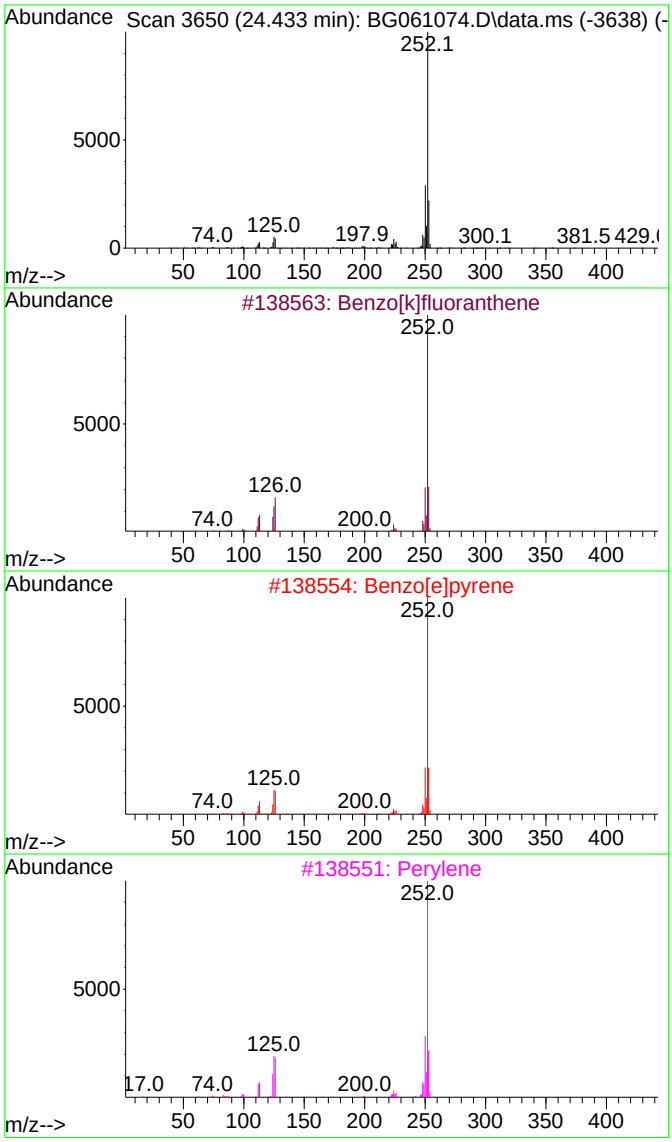
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

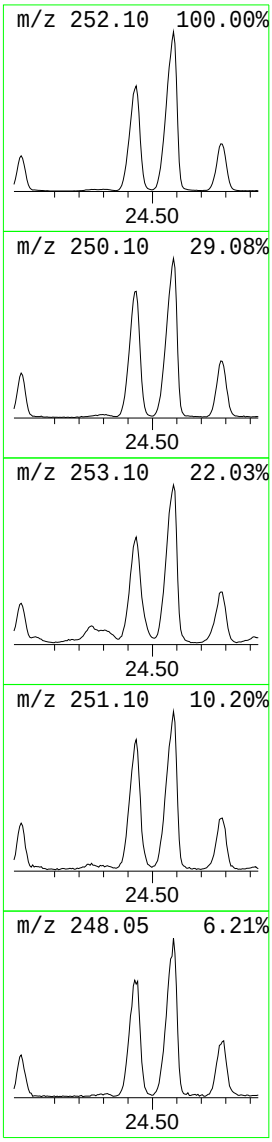
**********

Peak Number 19 Perylene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.433 | 119.53 ng | 4012010 | Perylene-d12 | 24.709 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 93 |
| 2 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 93 |
| 3 | Perylene | 252 | C20H12 | 000198-55-0 | 90 |
| 4 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 89 |
| 5 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061074.D
Acq On : 1 May 2024 13:19
Operator : MA/JU
Sample : P2307-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

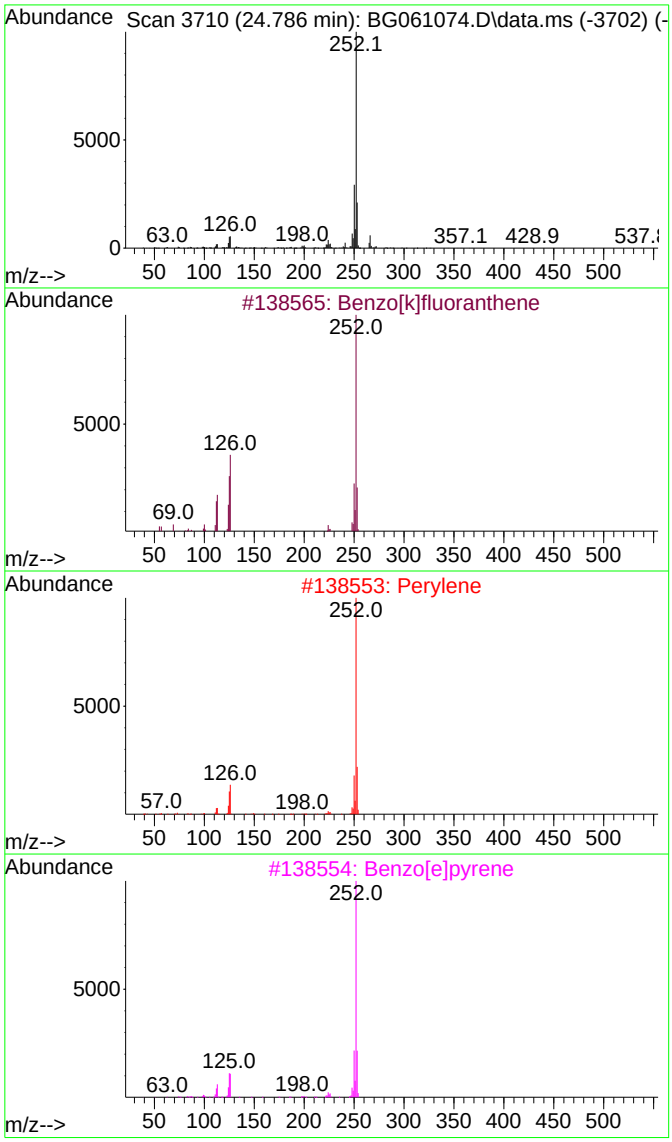
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

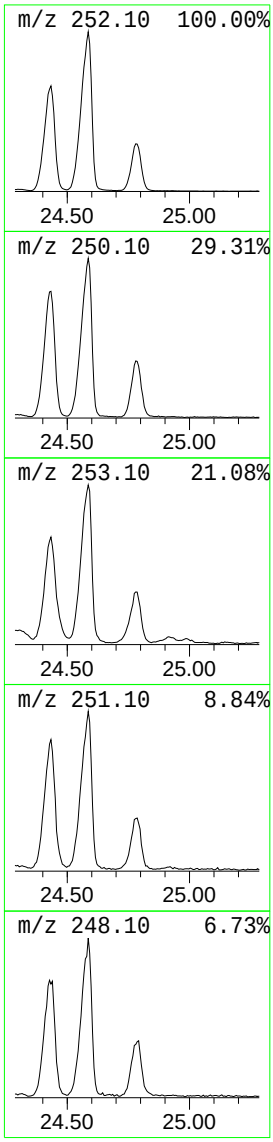
**********

Peak Number 20 unknown24.786 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.786 | 57.49 ng | 1929720 | Perylene-d12 | 24.709 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 93 |
| 2 | Perylene | 252 | C20H12 | 000198-55-0 | 90 |
| 3 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 90 |
| 4 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 81 |
| 5 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 81 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061074.D
Acq On : 1 May 2024 13:19
Operator : MA/JU
Sample : P2307-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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 |
| Naphtho[2,1-b]t... | 17.124 | 16.3 | ng | 351281 | 4 | 17.306 | 429982 | 20.0 |
| 2-Methyldibenzo... | 17.888 | 13.5 | ng | 290627 | 4 | 17.306 | 429982 | 20.0 |
| Anthracene, 1-m... | 18.188 | 37.0 | ng | 795705 | 4 | 17.306 | 429982 | 20.0 |
| Phenanthrene, 1... | 18.235 | 44.2 | ng | 949396 | 4 | 17.306 | 429982 | 20.0 |
| Anthracene, 9-m... | 18.317 | 13.8 | ng | 296754 | 4 | 17.306 | 429982 | 20.0 |
| 4H-Cyclopenta[d... | 18.381 | 70.4 | ng | 1513850 | 4 | 17.306 | 429982 | 20.0 |
| Phenanthrene, 4... | 18.417 | 19.0 | ng | 408213 | 4 | 17.306 | 429982 | 20.0 |
| 5,16[1',2']:8,1... | 18.681 | 28.1 | ng | 603714 | 4 | 17.306 | 429982 | 20.0 |
| 9,10-Anthracene... | 18.728 | 27.8 | ng | 597603 | 4 | 17.306 | 429982 | 20.0 |
| Phenanthrene, 2... | 18.928 | 11.1 | ng | 237683 | 4 | 17.306 | 429982 | 20.0 |
| Phenanthrene, 3... | 18.981 | 11.6 | ng | 249911 | 4 | 17.306 | 429982 | 20.0 |
| Phenanthrene, 1... | 19.022 | 10.1 | ng | 217005 | 4 | 17.306 | 429982 | 20.0 |
| Phenanthrene, 2... | 19.104 | 34.8 | ng | 748725 | 4 | 17.306 | 429982 | 20.0 |
| unknown19.163 | 19.163 | 19.2 | ng | 412944 | 4 | 17.306 | 429982 | 20.0 |
| Cyclopenta(def)... | 19.251 | 30.6 | ng | 658109 | 4 | 17.306 | 429982 | 20.0 |
| Benz(a)anthrace... | 23.346 | 24.2 | ng | 813509 | 6 | 24.709 | 671326 | 20.0 |
| Benzo[e]pyrene | 23.963 | 28.1 | ng | 943153 | 6 | 24.709 | 671326 | 20.0 |
| Dinaphtho[1,2-b... | 24.163 | 9.7 | ng | 324635 | 6 | 24.709 | 671326 | 20.0 |
| Perylene | 24.433 | 119.5 | ng | 4012010 | 6 | 24.709 | 671326 | 20.0 |
| unknown24.786 | 24.786 | 57.5 | ng | 1929720 | 6 | 24.709 | 671326 | 20.0 |