LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056629.D
Acq On : 13 Feb 2023 21:31
Operator : CG/JU
Sample : 01526-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-021023

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-BG012723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG056629.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.738 | 410 | 417 | 432 | rBV | 198634 | 329008 | 3.53% | 0.331% |
| 2 | 7.378 | 688 | 696 | 705 | rBV | 190937 | 346883 | 3.72% | 0.348% |
| 3 | 8.212 | 831 | 838 | 846 | rBB | 145891 | 243190 | 2.61% | 0.244% |
| 4 | 9.393 | 1031 | 1039 | 1051 | rVB | 116359 | 214595 | 2.30% | 0.216% |
| 5 | 11.044 | 1312 | 1320 | 1325 | rBV | 190474 | 341845 | 3.67% | 0.343% |
| 6 | 11.097 | 1325 | 1329 | 1335 | rVB | 106686 | 177941 | 1.91% | 0.179% |
| 7 | 12.683 | 1594 | 1599 | 1606 | rVB | 193959 | 320169 | 3.44% | 0.322% |
| 8 | 12.907 | 1627 | 1637 | 1645 | rBV | 212293 | 368005 | 3.95% | 0.370% |
| 9 | 13.465 | 1726 | 1732 | 1742 | rVB | 470148 | 729304 | 7.83% | 0.733% |
| 10 | 14.023 | 1814 | 1827 | 1834 | rBV4 | 128205 | 365004 | 3.92% | 0.367% |
| 11 | 14.164 | 1845 | 1851 | 1856 | rBV | 236180 | 429243 | 4.61% | 0.431% |
| 12 | 14.217 | 1856 | 1860 | 1865 | rVB | 133760 | 192982 | 2.07% | 0.194% |
| 13 | 14.399 | 1886 | 1891 | 1895 | rBV | 126887 | 202527 | 2.17% | 0.203% |
| 14 | 14.569 | 1914 | 1920 | 1928 | rBV2 | 135216 | 246751 | 2.65% | 0.248% |
| 15 | 14.804 | 1955 | 1960 | 1962 | rBV | 70971 | 104872 | 1.13% | 0.105% |
| 16 | 14.845 | 1962 | 1967 | 1972 | rVV | 316240 | 514738 | 5.53% | 0.517% |
| 17 | 14.910 | 1972 | 1978 | 1984 | rVV | 374415 | 603653 | 6.48% | 0.606% |
| 18 | 15.045 | 1994 | 2001 | 2009 | rBV3 | 76654 | 190685 | 2.05% | 0.192% |
| 19 | 15.233 | 2026 | 2033 | 2040 | rVB2 | 302432 | 545046 | 5.85% | 0.548% |
| 20 | 15.304 | 2040 | 2045 | 2052 | rVB | 139394 | 216295 | 2.32% | 0.217% |
| 21 | 15.445 | 2063 | 2069 | 2074 | rBV2 | 119722 | 218152 | 2.34% | 0.219% |
| 22 | 15.503 | 2074 | 2079 | 2083 | rVB | 100437 | 139784 | 1.50% | 0.140% |
| 23 | 15.621 | 2091 | 2099 | 2101 | rBV2 | 79568 | 173338 | 1.86% | 0.174% |
| 24 | 15.650 | 2102 | 2104 | 2109 | rVB | 77297 | 95071 | 1.02% | 0.096% |
| 25 | 15.785 | 2124 | 2127 | 2132 | rVB2 | 73495 | 104163 | 1.12% | 0.105% |
| 26 | 15.885 | 2138 | 2144 | 2153 | rVB | 726225 | 1203752 | 12.92% | 1.209% |
| 27 | 15.979 | 2155 | 2160 | 2162 | rVV | 70769 | 108187 | 1.16% | 0.109% |
| 28 | 16.009 | 2162 | 2165 | 2168 | rVV | 108287 | 182536 | 1.96% | 0.183% |
| 29 | 16.044 | 2168 | 2171 | 2175 | rVV3 | 132182 | 203308 | 2.18% | 0.204% |
| 30 | 16.091 | 2175 | 2179 | 2183 | rVV3 | 67416 | 120393 | 1.29% | 0.121% |
| 31 | 16.144 | 2183 | 2188 | 2189 | rVV3 | 74483 | 120172 | 1.29% | 0.121% |
| 32 | 16.173 | 2189 | 2193 | 2200 | rVB3 | 166399 | 306697 | 3.29% | 0.308% |
| 33 | 16.332 | 2213 | 2220 | 2226 | rVB2 | 376963 | 693129 | 7.44% | 0.696% |
| 34 | 16.520 | 2245 | 2252 | 2254 | rBV5 | 54619 | 120633 | 1.30% | 0.121% |
| 35 | 16.549 | 2254 | 2257 | 2266 | rVB2 | 81034 | 177823 | 1.91% | 0.179% |
| 36 | 16.684 | 2275 | 2280 | 2284 | rBV4 | 60063 | 100202 | 1.08% | 0.101% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056629.D
Acq On : 13 Feb 2023 21:31
Operator : CG/JU
Sample : 01526-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-021023

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-BG012723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 16.884 | 2304 | 2314 | 2318 | rBV2 | 221942 | 495921 | 5.32% | 0.498% |
| 38 | 16.937 | 2318 | 2323 | 2328 | rVV2 | 155313 | 232841 | 2.50% | 0.234% |
| 39 | 17.031 | 2336 | 2339 | 2344 | rVB3 | 124624 | 179918 | 1.93% | 0.181% |
| 40 | 17.107 | 2344 | 2352 | 2355 | rBV3 | 85183 | 223549 | 2.40% | 0.225% |
| 41 | 17.149 | 2356 | 2359 | 2367 | rVB | 89818 | 178213 | 1.91% | 0.179% |
| 42 | 17.237 | 2370 | 2374 | 2379 | rBV5 | 57845 | 98374 | 1.06% | 0.099% |
| 43 | 17.307 | 2380 | 2386 | 2390 | rBV4 | 75995 | 173126 | 1.86% | 0.174% |
| 44 | 17.407 | 2397 | 2403 | 2410 | rVB | 416237 | 653321 | 7.01% | 0.656% |
| 45 | 17.589 | 2428 | 2434 | 2436 | rBV | 363206 | 549424 | 5.90% | 0.552% |
| 46 | 17.642 | 2436 | 2443 | 2449 | rVV | 4419866 | 7176469 | 77.05% | 7.209% |
| 47 | 17.724 | 2451 | 2457 | 2462 | rVV | 1172235 | 1728638 | 18.56% | 1.737% |
| 48 | 17.771 | 2463 | 2465 | 2470 | rVB2 | 105587 | 148790 | 1.60% | 0.149% |
| 49 | 17.865 | 2475 | 2481 | 2489 | rVB4 | 72795 | 213867 | 2.30% | 0.215% |
| 50 | 17.989 | 2496 | 2502 | 2507 | rBV | 322857 | 563229 | 6.05% | 0.566% |
| 51 | 18.089 | 2515 | 2519 | 2524 | rBV | 169233 | 235826 | 2.53% | 0.237% |
| 52 | 18.165 | 2528 | 2532 | 2536 | rVB | 252818 | 355087 | 3.81% | 0.357% |
| 53 | 18.306 | 2551 | 2556 | 2562 | rVB | 185746 | 338945 | 3.64% | 0.341% |
| 54 | 18.459 | 2576 | 2582 | 2586 | rBV | 875109 | 1373913 | 14.75% | 1.380% |
| 55 | 18.506 | 2586 | 2590 | 2596 | rVB | 1181632 | 1703937 | 18.30% | 1.712% |
| 56 | 18.588 | 2598 | 2604 | 2608 | rBV | 410958 | 640314 | 6.88% | 0.643% |
| 57 | 18.659 | 2608 | 2616 | 2619 | rBV2 | 1372773 | 2761702 | 29.65% | 2.774% |
| 58 | 18.688 | 2619 | 2621 | 2628 | rVB | 690171 | 799191 | 8.58% | 0.803% |
| 59 | 18.847 | 2644 | 2648 | 2652 | rBV | 112029 | 153148 | 1.64% | 0.154% |
| 60 | 18.941 | 2659 | 2664 | 2669 | rBV | 644897 | 903461 | 9.70% | 0.908% |
| 61 | 18.999 | 2671 | 2674 | 2681 | rVB2 | 302310 | 450813 | 4.84% | 0.453% |
| 62 | 19.064 | 2682 | 2685 | 2689 | rBV | 78713 | 111535 | 1.20% | 0.112% |
| 63 | 19.182 | 2698 | 2705 | 2710 | rBV2 | 256103 | 500480 | 5.37% | 0.503% |
| 64 | 19.240 | 2710 | 2715 | 2718 | rBV | 304065 | 398820 | 4.28% | 0.401% |
| 65 | 19.276 | 2718 | 2721 | 2727 | rVB | 238770 | 310641 | 3.34% | 0.312% |
| 66 | 19.358 | 2727 | 2735 | 2740 | rBV | 839328 | 1690380 | 18.15% | 1.698% |
| 67 | 19.422 | 2740 | 2746 | 2749 | rBV3 | 231626 | 463166 | 4.97% | 0.465% |
| 68 | 19.499 | 2755 | 2759 | 2760 | rBV2 | 217932 | 287617 | 3.09% | 0.289% |
| 69 | 19.640 | 2774 | 2783 | 2787 | rBV | 5652994 | 9313556 | 100.00% | 9.356% |
| 70 | 19.675 | 2787 | 2789 | 2793 | rVV2 | 186324 | 248246 | 2.67% | 0.249% |
| 71 | 19.722 | 2793 | 2797 | 2800 | rVV3 | 200944 | 292527 | 3.14% | 0.294% |
| 72 | 19.869 | 2817 | 2822 | 2832 | rVB3 | 395991 | 897227 | 9.63% | 0.901% |
| 73 | 19.963 | 2832 | 2838 | 2839 | rBV | 1005917 | 1473669 | 15.82% | 1.480% |
| 74 | 20.004 | 2839 | 2845 | 2849 | rVV | 5309576 | 9025533 | 96.91% | 9.067% |
| 75 | 20.051 | 2849 | 2853 | 2858 | rVB | 482543 | 683813 | 7.34% | 0.687% |
| 76 | 20.163 | 2868 | 2872 | 2876 | rVB2 | 1105284 | 1383361 | 14.85% | 1.390% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056629.D
Acq On : 13 Feb 2023 21:31
Operator : CG/JU
Sample : 01526-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-021023

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-BG012723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 20.310 | 2890 | 2897 | 2902 | rBV2 | 539960 | 1197176 | 12.85% | 1.203% |
| 78 | 20.362 | 2903 | 2906 | 2910 | rVV2 | 131929 | 249654 | 2.68% | 0.251% |
| 79 | 20.474 | 2914 | 2925 | 2932 | rVB | 1475242 | 3003314 | 32.25% | 3.017% |
| 80 | 20.574 | 2937 | 2942 | 2946 | rBV | 1215455 | 1694785 | 18.20% | 1.703% |
| 81 | 20.633 | 2946 | 2952 | 2955 | rVV2 | 715616 | 967417 | 10.39% | 0.972% |
| 82 | 20.774 | 2972 | 2976 | 2980 | rBV | 607656 | 859437 | 9.23% | 0.863% |
| 83 | 20.821 | 2980 | 2984 | 2991 | rVB | 633237 | 990442 | 10.63% | 0.995% |
| 84 | 21.197 | 3044 | 3048 | 3053 | rBV4 | 174787 | 389491 | 4.18% | 0.391% |
| 85 | 21.438 | 3085 | 3089 | 3093 | rBV | 549791 | 834136 | 8.96% | 0.838% |
| 86 | 21.479 | 3093 | 3096 | 3101 | rVB | 568765 | 830294 | 8.91% | 0.834% |
| 87 | 21.538 | 3101 | 3106 | 3110 | rBV2 | 627413 | 1054914 | 11.33% | 1.060% |
| 88 | 21.861 | 3154 | 3161 | 3167 | rBV2 | 2930613 | 6205226 | 66.63% | 6.234% |
| 89 | 21.931 | 3168 | 3173 | 3183 | rVB | 2616478 | 5041448 | 54.13% | 5.065% |
| 90 | 22.084 | 3194 | 3199 | 3207 | rBV | 566785 | 1048700 | 11.26% | 1.054% |
| 91 | 22.160 | 3208 | 3212 | 3220 | rVB4 | 227027 | 492835 | 5.29% | 0.495% |
| 92 | 22.301 | 3232 | 3236 | 3242 | rVB2 | 329773 | 612309 | 6.57% | 0.615% |
| 93 | 22.630 | 3289 | 3292 | 3300 | rVB | 583450 | 1071908 | 11.51% | 1.077% |
| 94 | 22.713 | 3302 | 3306 | 3311 | rVB | 313131 | 515537 | 5.54% | 0.518% |
| 95 | 22.924 | 3338 | 3342 | 3347 | rBV3 | 290343 | 594336 | 6.38% | 0.597% |
| 96 | 23.065 | 3361 | 3366 | 3372 | rVB2 | 274144 | 562561 | 6.04% | 0.565% |
| 97 | 24.211 | 3551 | 3561 | 3567 | rBV | 1397795 | 4864828 | 52.23% | 4.887% |
| 98 | 24.969 | 3682 | 3690 | 3706 | rVB | 786331 | 2462480 | 26.44% | 2.474% |
| 99 | 25.139 | 3709 | 3719 | 3728 | rVB | 1321517 | 3836046 | 41.19% | 3.854% |

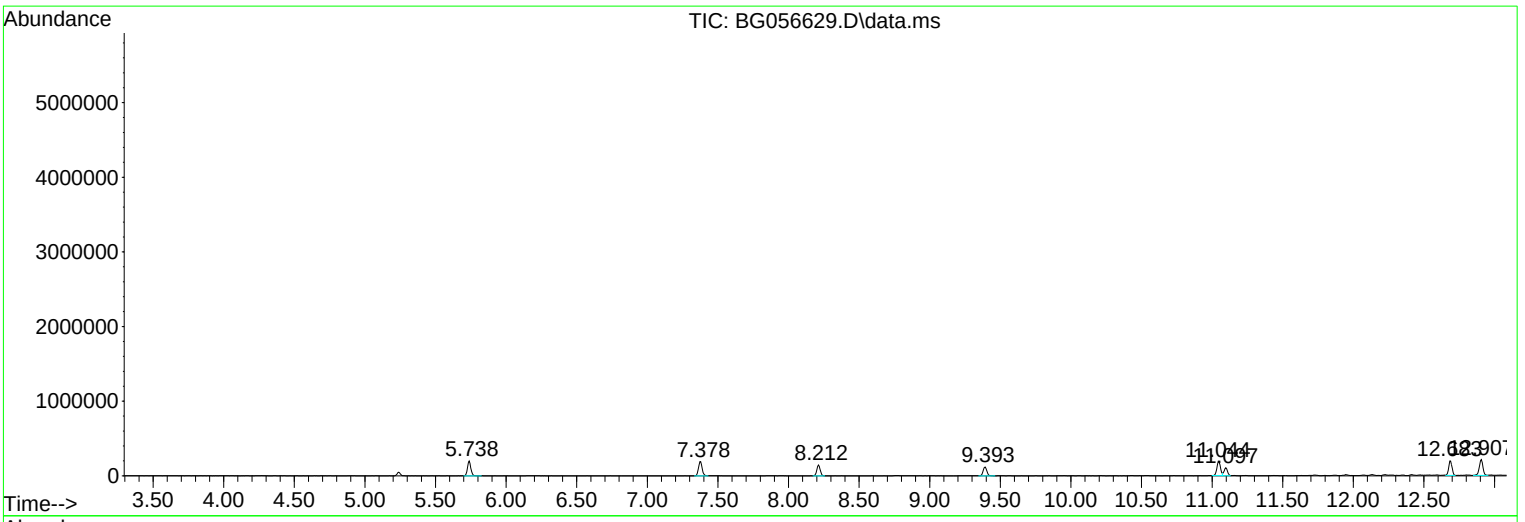
Sum of corrected areas: 99541938

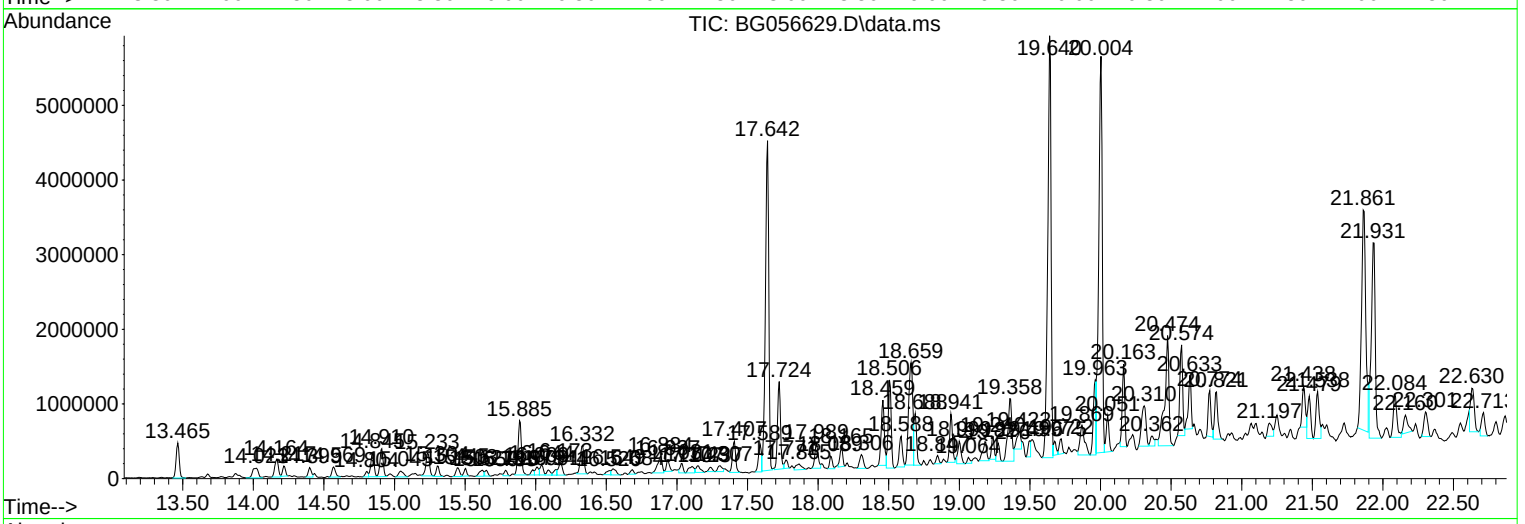
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056629.D
Acq On : 13 Feb 2023 21:31
Operator : CG/JU
Sample : 01526-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

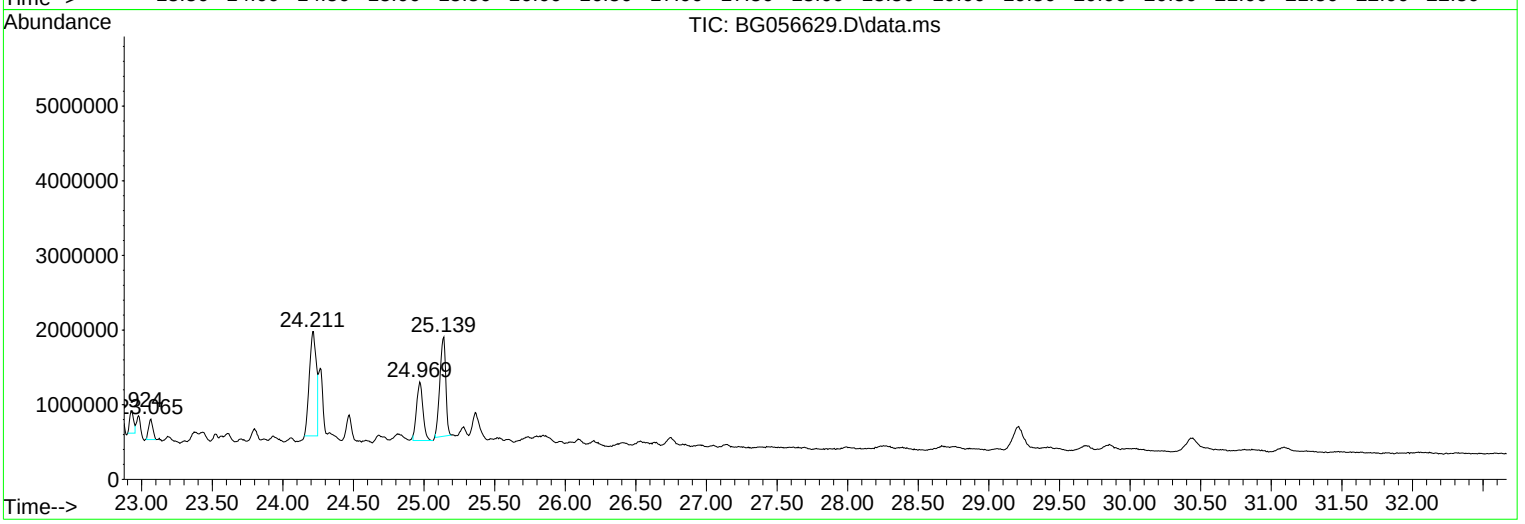
**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-021023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.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\BG021323\
Data File : BG056629.D
Acq On : 13 Feb 2023 21:31
Operator : CG/JU
Sample : 01526-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-021023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

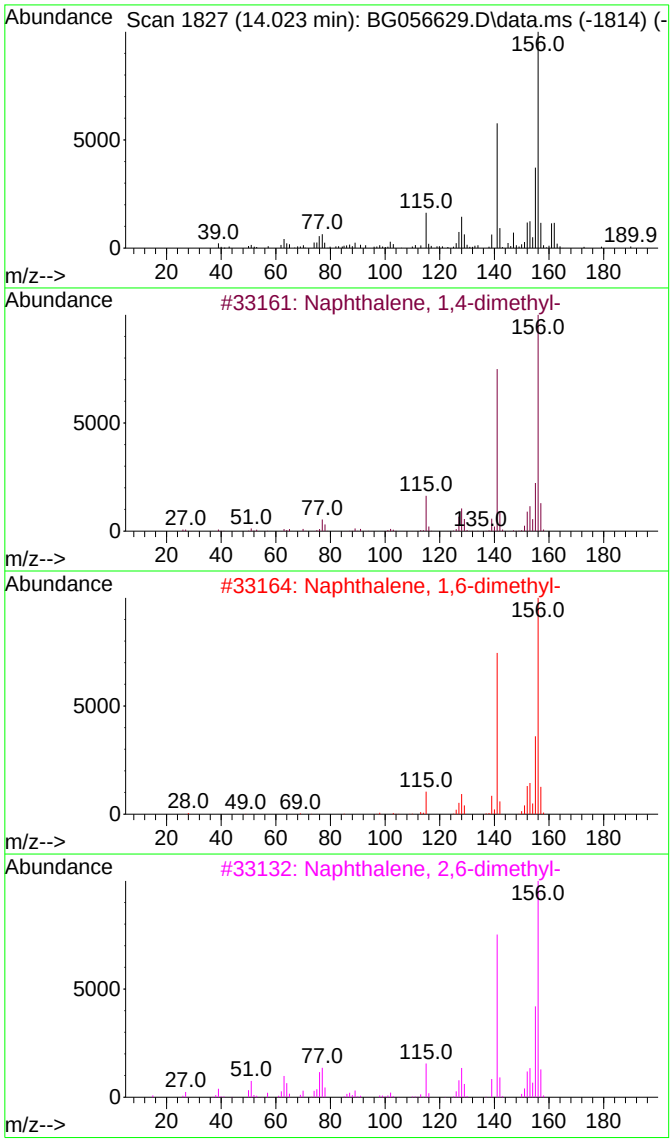
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

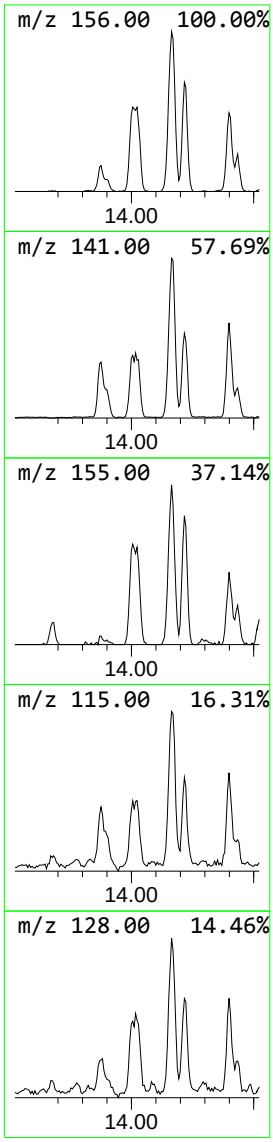
**********

Peak Number 1 Naphthalene, 1,4-dimethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.023 | 14.18 ng | 365004 | Acenaphthene-d10 | 14.845 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 95 |
| 2 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 95 |
| 3 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 95 |
| 4 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 95 |
| 5 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 94 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056629.D
Acq On : 13 Feb 2023 21:31
Operator : CG/JU
Sample : 01526-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-021023

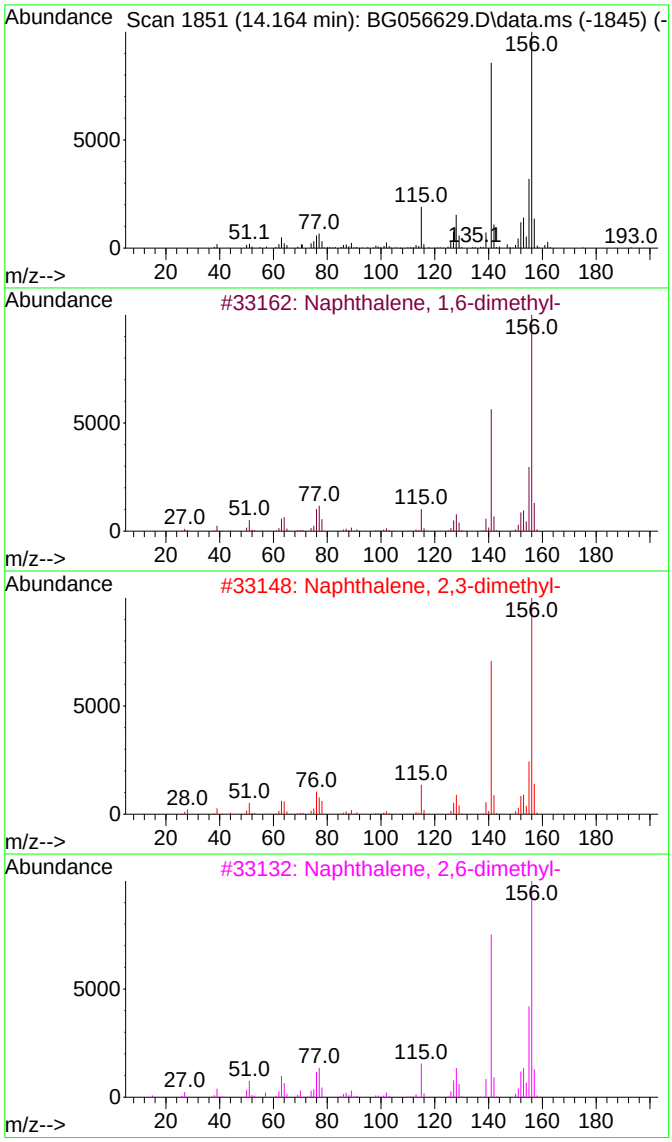
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

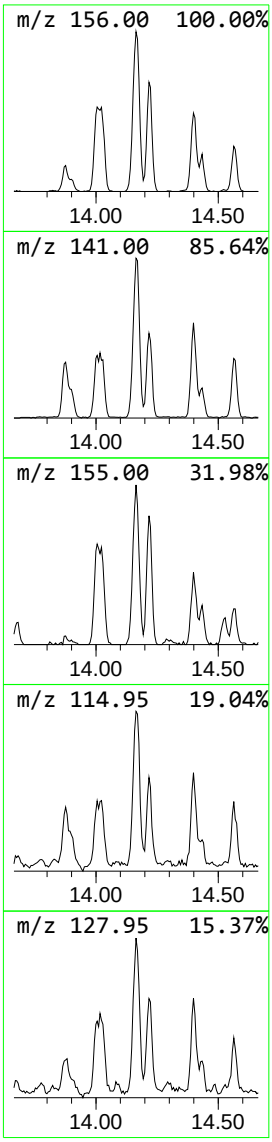
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.164 | 16.68 ng | 429243 | Acenaphthene-d10 | 14.845 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 97 |
| 2 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 97 |
| 3 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 97 |
| 4 | Naphthalene, 1,2-dimethyl- | 156 | C12H12 | 000573-98-8 | 97 |
| 5 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 96 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056629.D
Acq On : 13 Feb 2023 21:31
Operator : CG/JU
Sample : 01526-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-021023

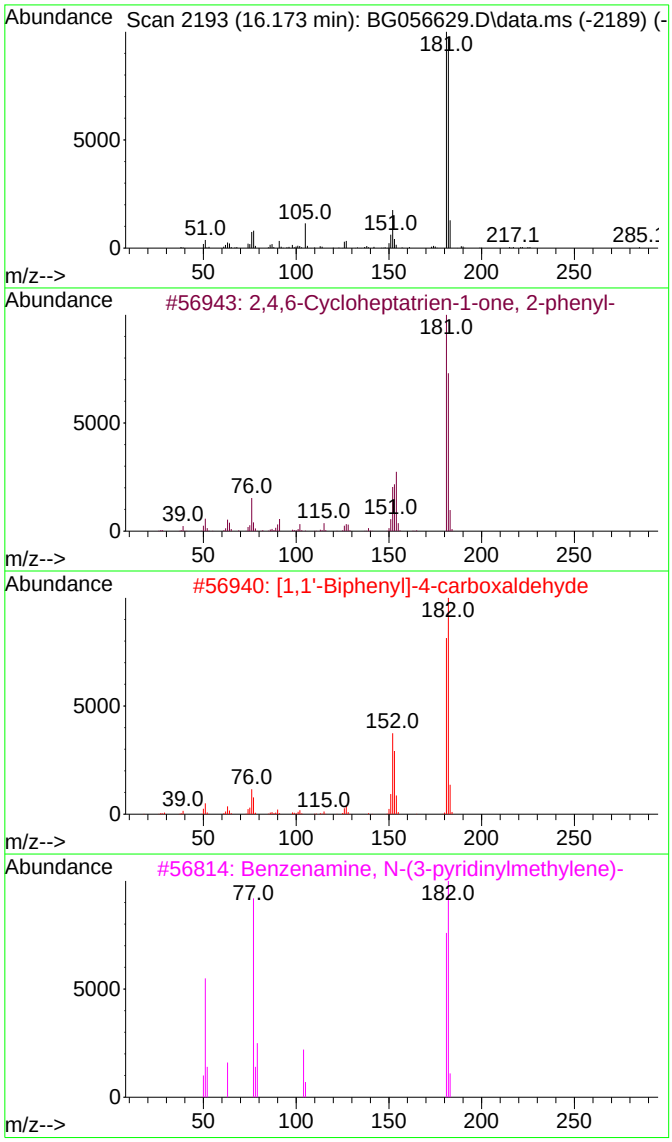
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

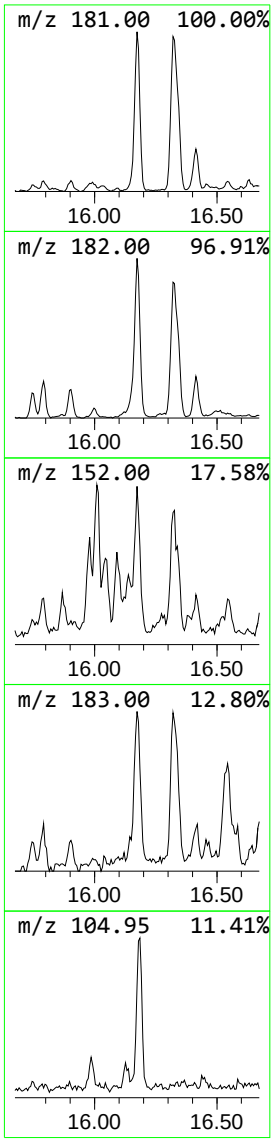
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 2,4,6-Cycloheptatrien-1-one... Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.173 | 11.92 ng | 306697 | Acenaphthene-d10 | 14.845 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4,6-Cycloheptatrien-1-one, 2-p... | 182 | C13H10O | 014562-09-5 | 72 |
| 2 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 72 |
| 3 | Benzenamine, N-(3-pyridinylmethy... | 182 | C12H10N2 | 029722-97-2 | 64 |
| 4 | 9H-Xanthene | 182 | C13H10O | 000092-83-1 | 53 |
| 5 | 2-Hydroxyfluorene | 182 | C13H10O | 002443-58-5 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056629.D
Acq On : 13 Feb 2023 21:31
Operator : CG/JU
Sample : 01526-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-021023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

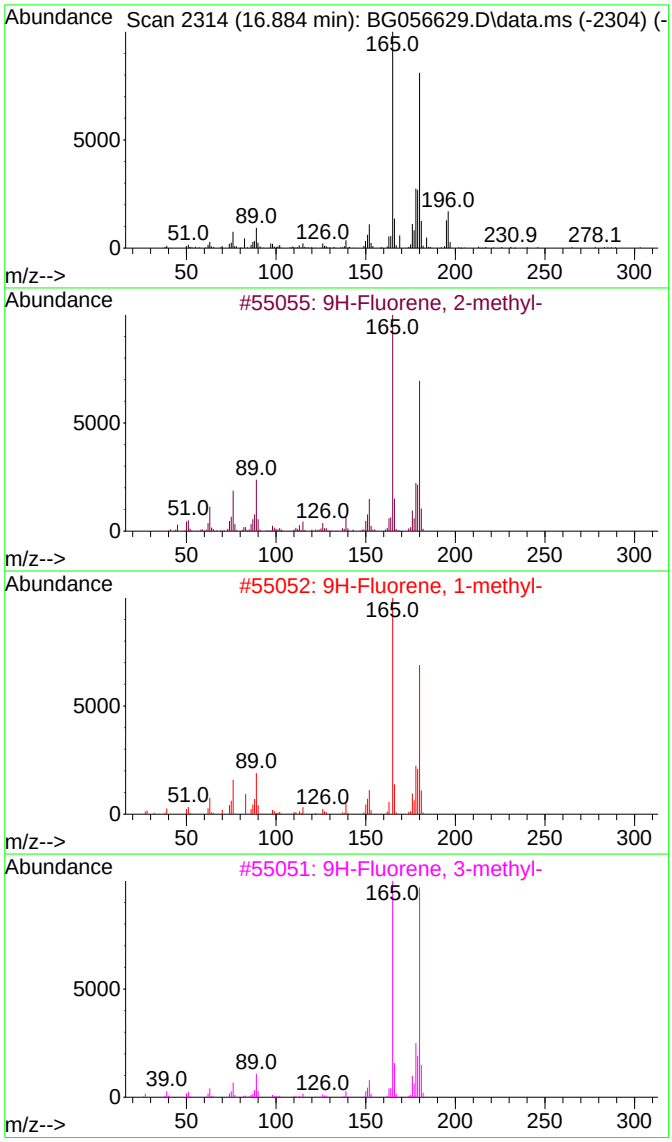
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

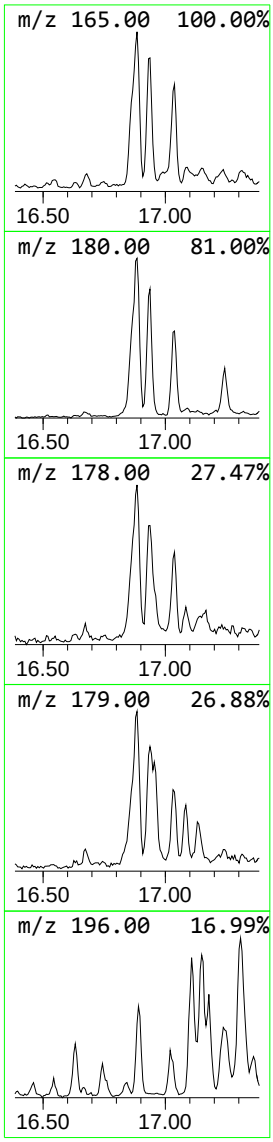
**********

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.884 | 18.05 ng | 495921 | Phenanthrene-d10 | 17.589 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 96 |
| 2 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 96 |
| 3 | 9H-Fluorene, 3-methyl- | 180 | C14H12 | 002523-39-9 | 93 |
| 4 | 9H-Fluorene, 4-methyl- | 180 | C14H12 | 001556-99-6 | 89 |
| 5 | 4a,9a-Methano-9H-fluorene | 180 | C14H12 | 019540-84-2 | 86 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056629.D
Acq On : 13 Feb 2023 21:31
Operator : CG/JU
Sample : 01526-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-021023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

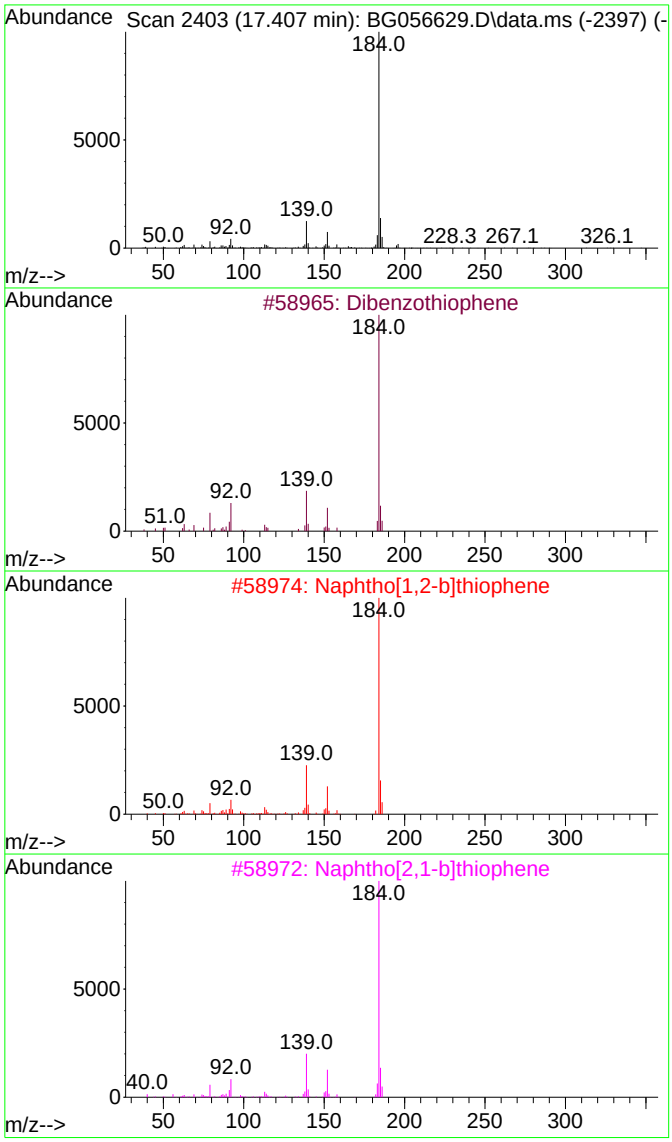
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

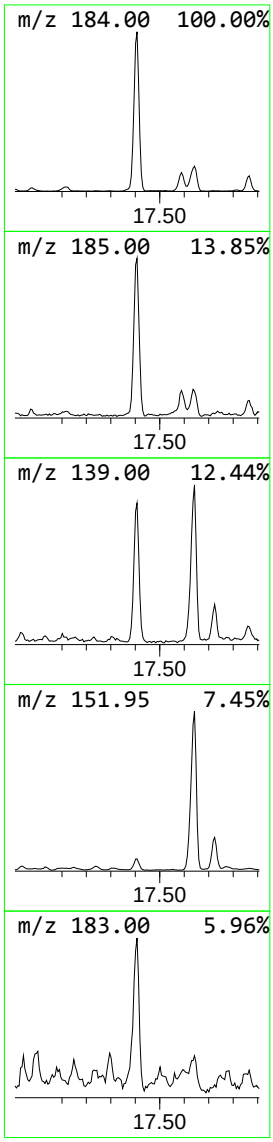
**********

Peak Number 5 Dibenzothiophene Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.407 | 23.78 ng | 653321 | Phenanthrene-d10 | 17.589 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 97 |
| 2 | Naphtho[1,2-b]thiophene | 184 | C12H8S | 000234-41-3 | 94 |
| 3 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 94 |
| 4 | Azuleno(2,1-b)thiophene | 184 | C12H8S | 000248-13-5 | 93 |
| 5 | Naphtho[2,3-b]thiophene | 184 | C12H8S | 000268-77-9 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056629.D
Acq On : 13 Feb 2023 21:31
Operator : CG/JU
Sample : 01526-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-021023

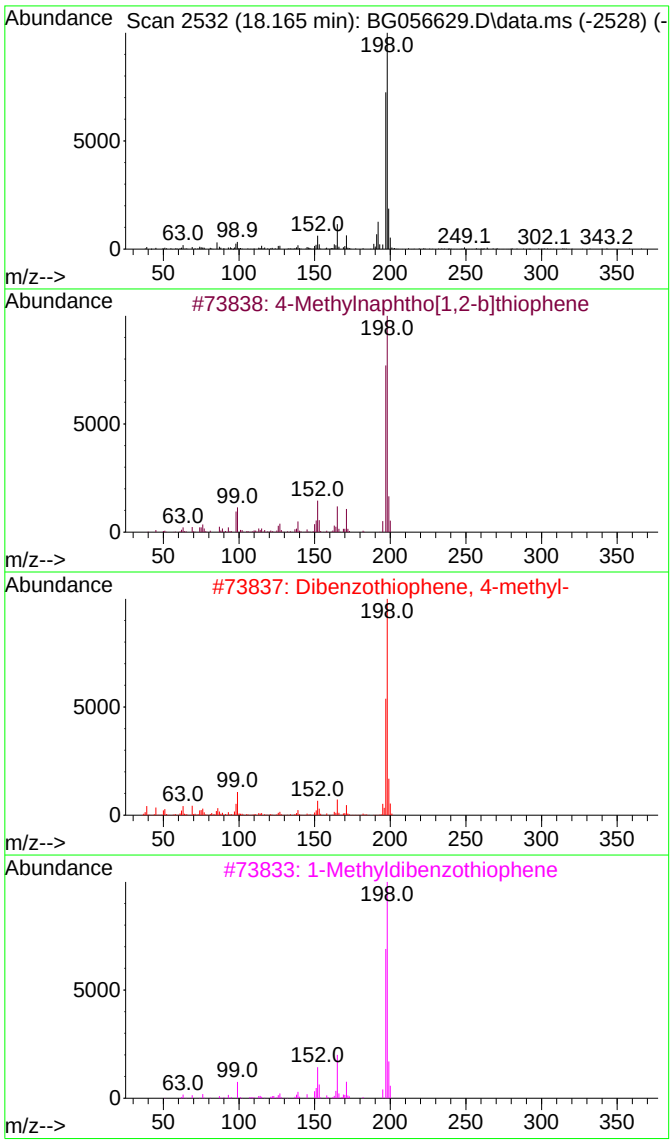
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

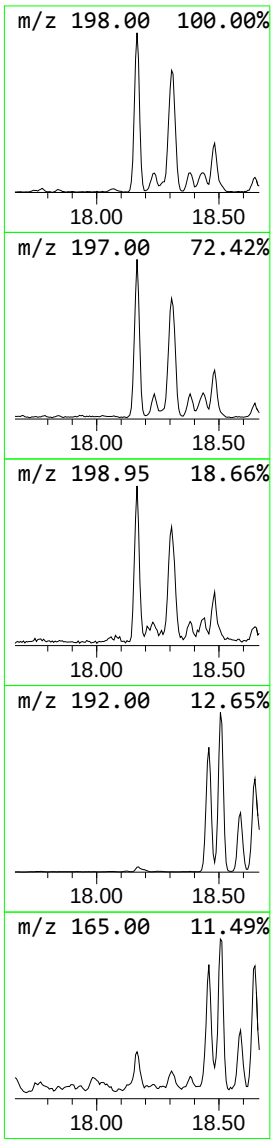
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.165 | 12.93 ng | 355087 | Phenanthrene-d10 | 17.589 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Methylnaphtho[1,2-b]thiophene | 198 | C13H10S | 067388-11-8 | 90 |
| 2 | Dibenzothiophene, 4-methyl- | 198 | C13H10S | 007372-88-5 | 90 |
| 3 | 1-Methyldibenzothiophene | 198 | C13H10S | 031317-07-4 | 87 |
| 4 | Dibenzothiophene, 3-methyl- | 198 | C13H10S | 016587-52-3 | 86 |
| 5 | 2-(1,6,7-Ttrimethylindol-3-yl)ac... | 198 | C13H14N2 | 1000436-09-3 | 59 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056629.D
Acq On : 13 Feb 2023 21:31
Operator : CG/JU
Sample : 01526-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-021023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

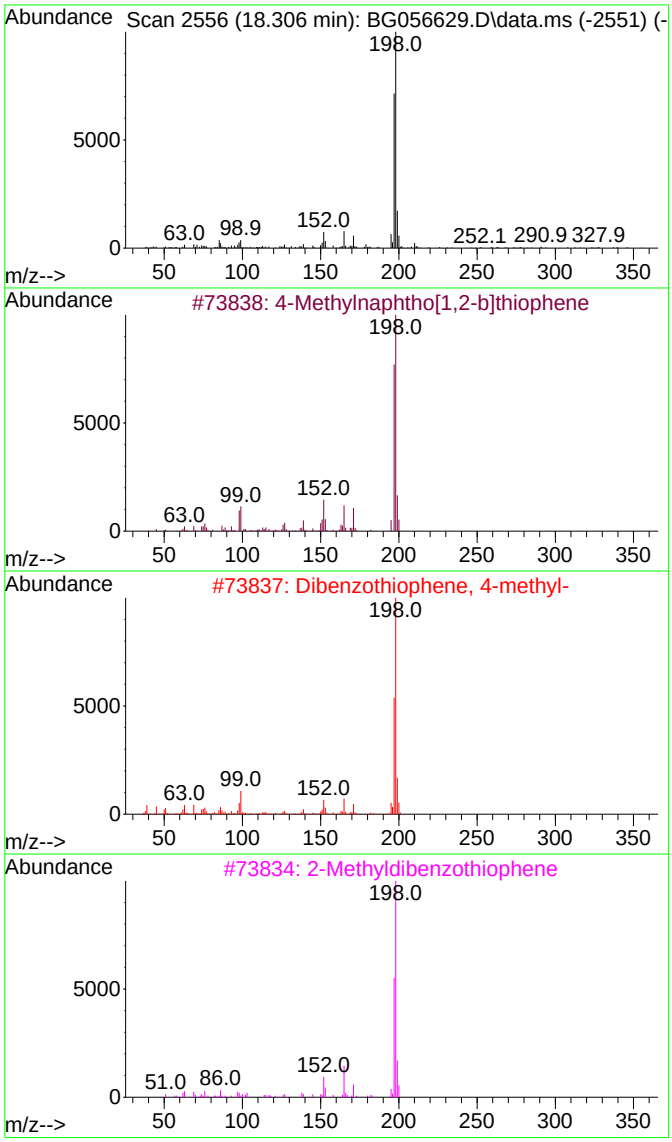
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

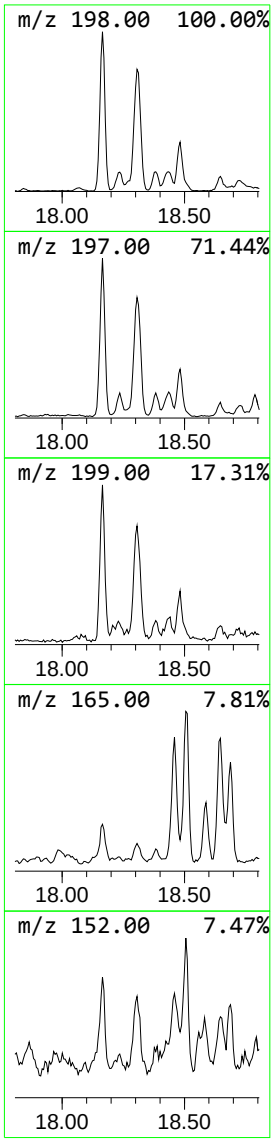
**********

Peak Number 7 Dibenzothiophene, 4-methyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.306 | 12.34 ng | 338945 | Phenanthrene-d10 | 17.589 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Methylnaphtho[1,2-b]thiophene | 198 | C13H10S | 067388-11-8 | 97 |
| 2 | Dibenzothiophene, 4-methyl- | 198 | C13H10S | 007372-88-5 | 94 |
| 3 | 2-Methyldibenzothiophene | 198 | C13H10S | 1000383-55-1 | 90 |
| 4 | 1-Methyldibenzothiophene | 198 | C13H10S | 031317-07-4 | 90 |
| 5 | Dibenzothiophene, 3-methyl- | 198 | C13H10S | 016587-52-3 | 78 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056629.D
Acq On : 13 Feb 2023 21:31
Operator : CG/JU
Sample : 01526-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-021023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

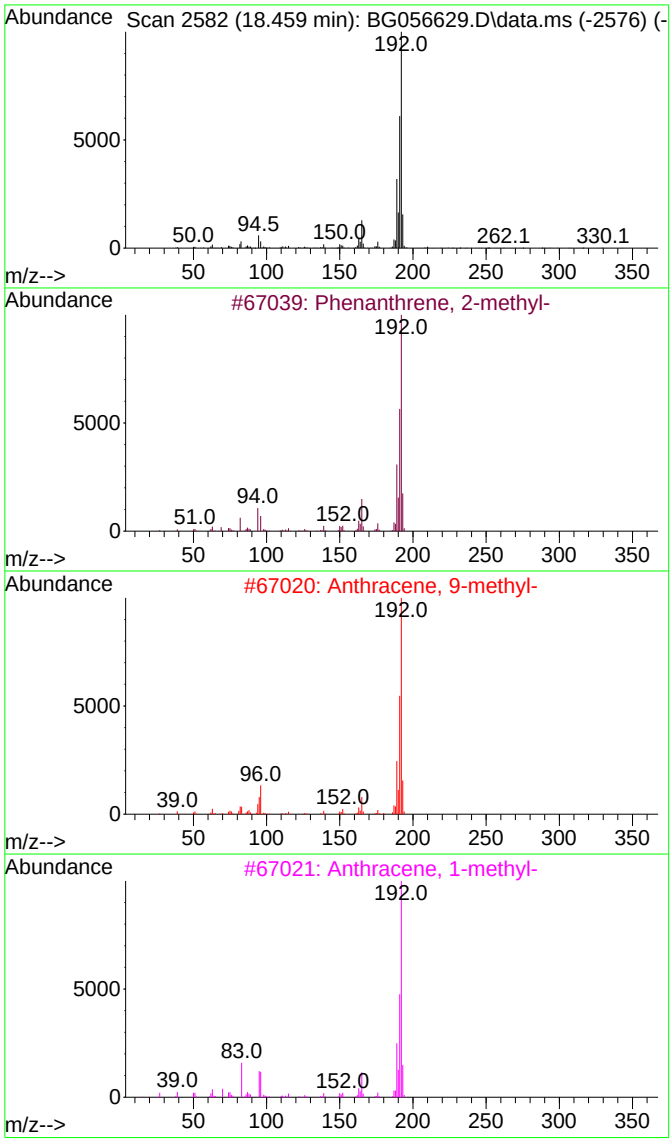
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

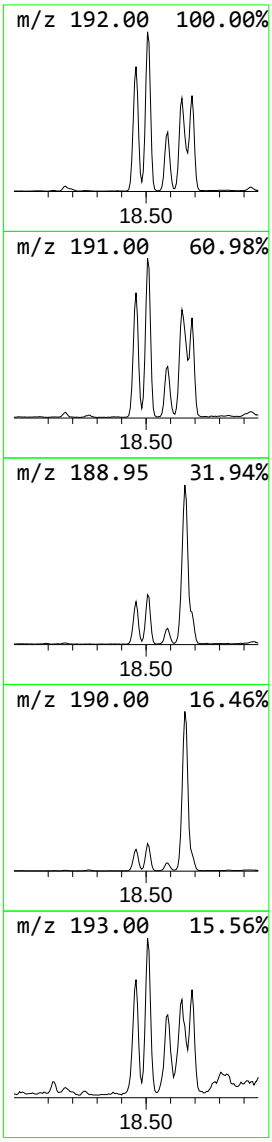
**********

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.459 | 50.01 ng | 1373910 | Phenanthrene-d10 | 17.589 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 2 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 94 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 94 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |
| 5 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056629.D
Acq On : 13 Feb 2023 21:31
Operator : CG/JU
Sample : 01526-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-021023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

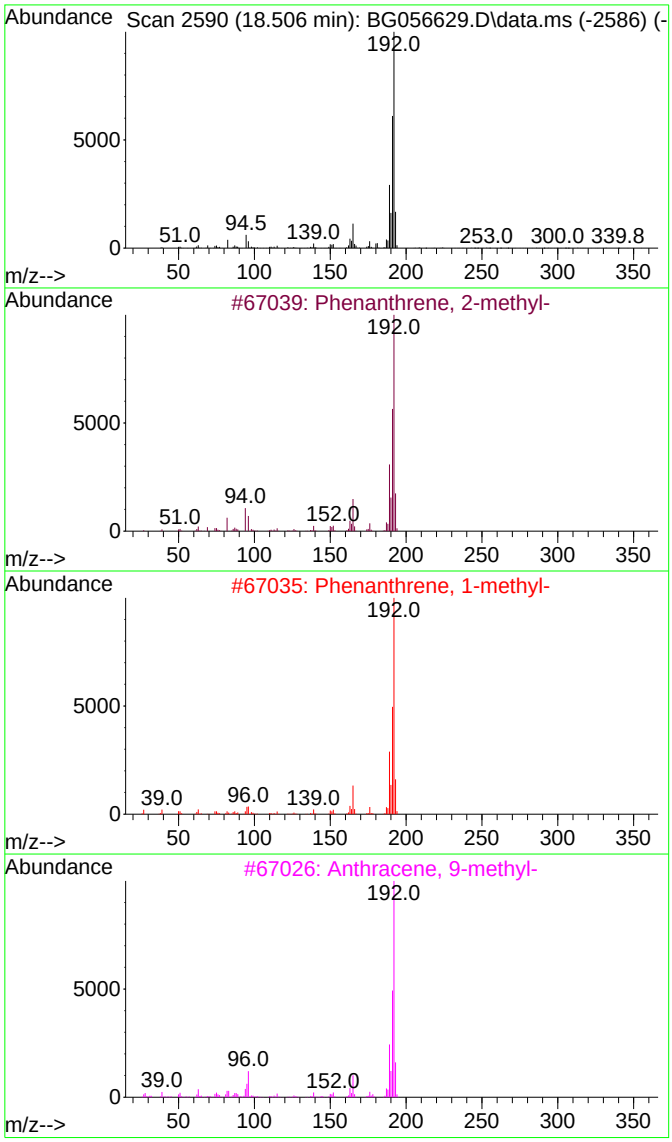
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

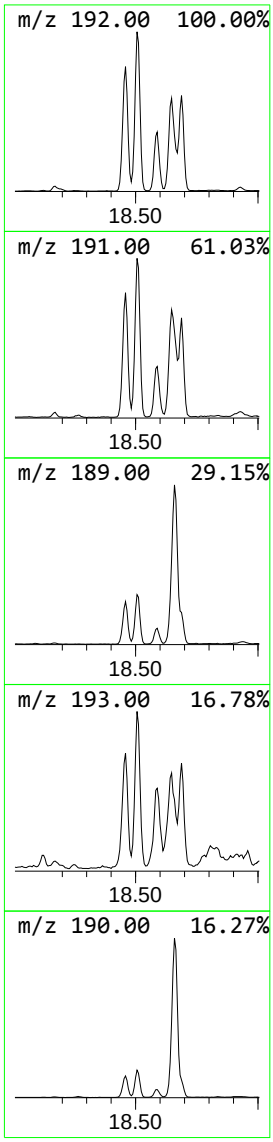
**********

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.506 | 62.03 ng | 1703940 | Phenanthrene-d10 | 17.589 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 3 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 95 |
| 4 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 93 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056629.D
Acq On : 13 Feb 2023 21:31
Operator : CG/JU
Sample : 01526-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-021023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

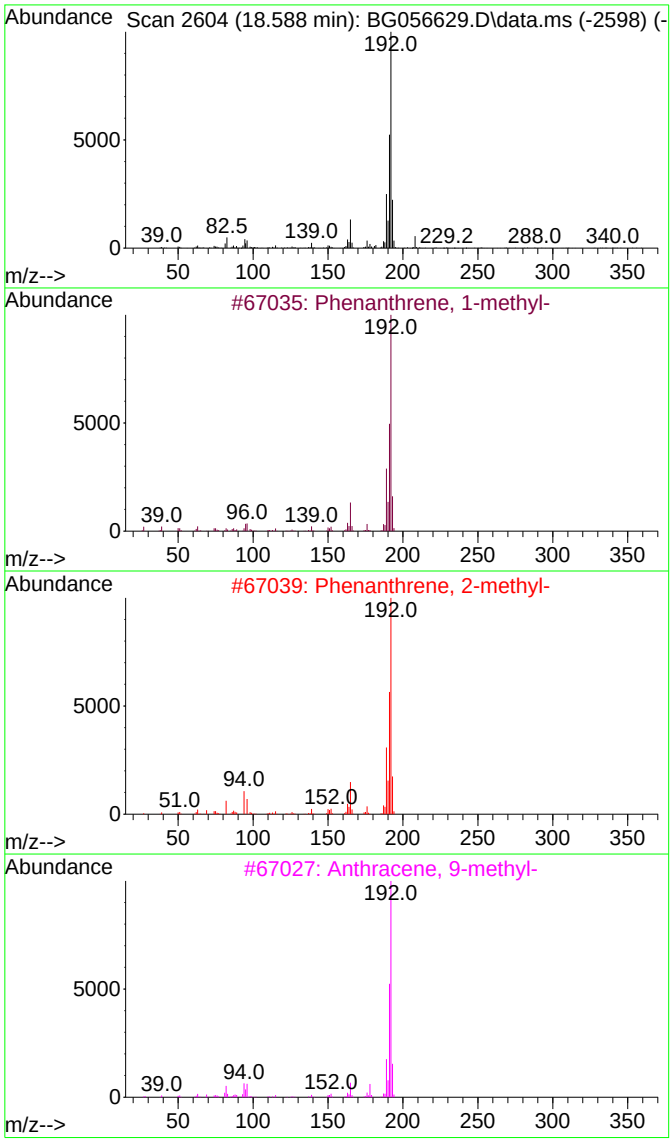
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

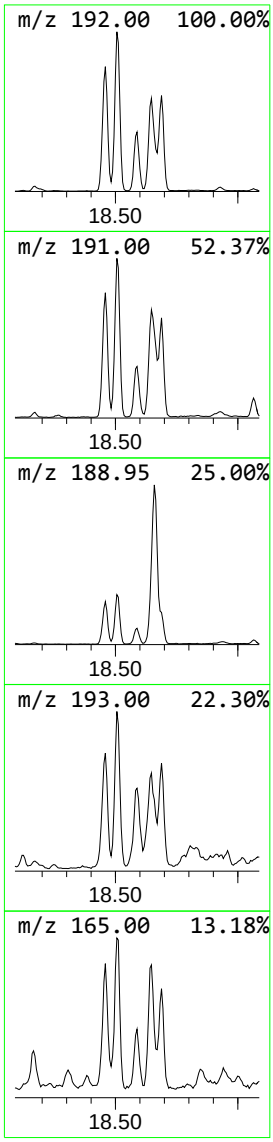
**********

Peak Number 10 Anthracene, 9-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.588 | 23.31 ng | 640314 | Phenanthrene-d10 | 17.589 |

| 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, 9-methyl- | 192 | C15H12 | 000779-02-2 | 93 |
| 4 | Phenanthrene, 3-methyl- | 192 | C15H12 | 000832-71-3 | 91 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056629.D
Acq On : 13 Feb 2023 21:31
Operator : CG/JU
Sample : 01526-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-021023

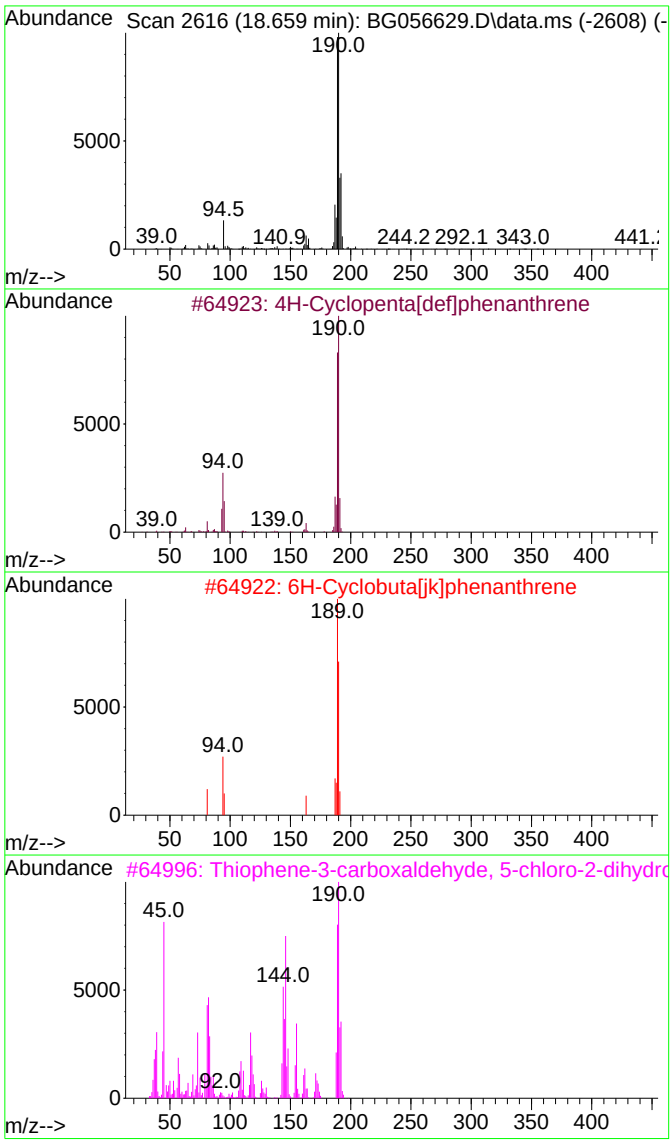
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

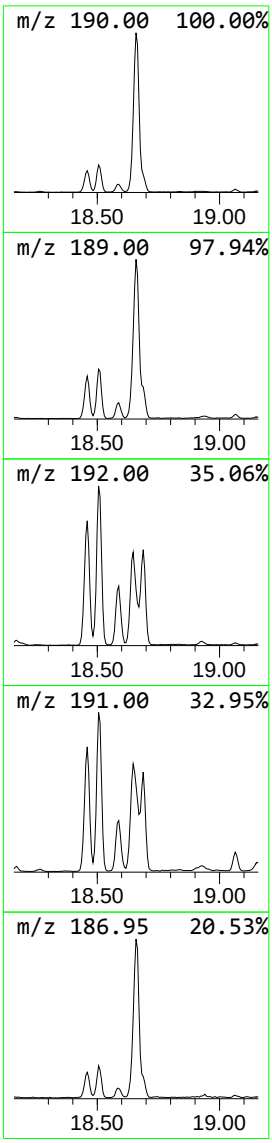
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.659 | 100.53 ng | 2761700 | Phenanthrene-d10 | 17.589 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 81 |
| 2 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 64 |
| 3 | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0 | 52 |
| 4 | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2 | 007072-01-7 | 50 |
| 5 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 40 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056629.D
Acq On : 13 Feb 2023 21:31
Operator : CG/JU
Sample : 01526-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-021023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

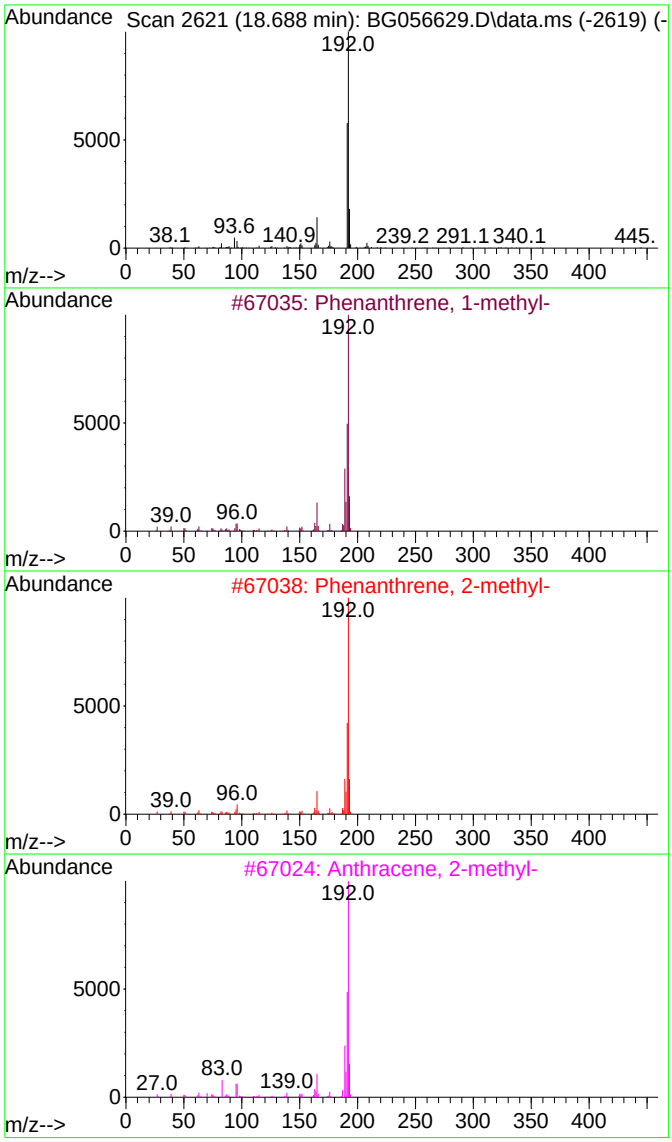
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

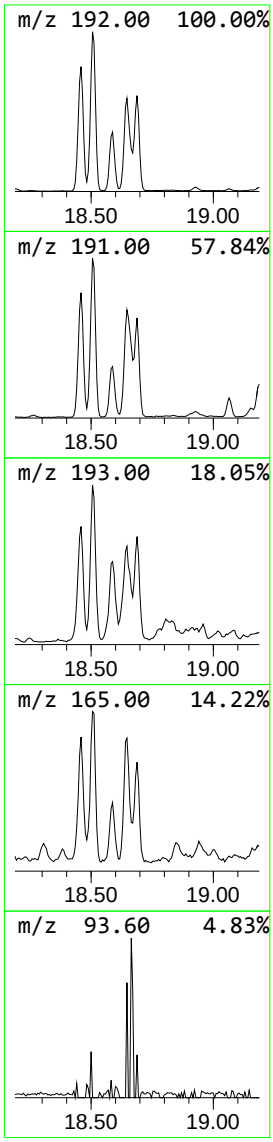
**********

Peak Number 12 Anthracene, 2-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.688 | 29.09 ng | 799191 | Phenanthrene-d10 | 17.589 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 90 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 90 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 90 |
| 4 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 87 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056629.D
Acq On : 13 Feb 2023 21:31
Operator : CG/JU
Sample : 01526-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-021023

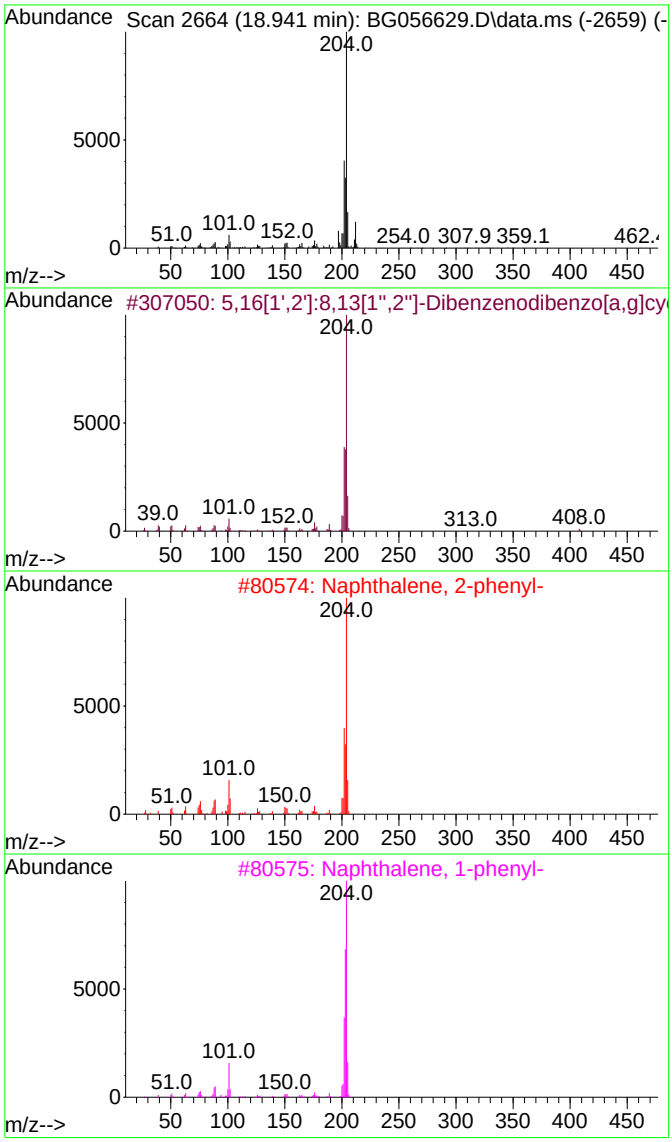
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

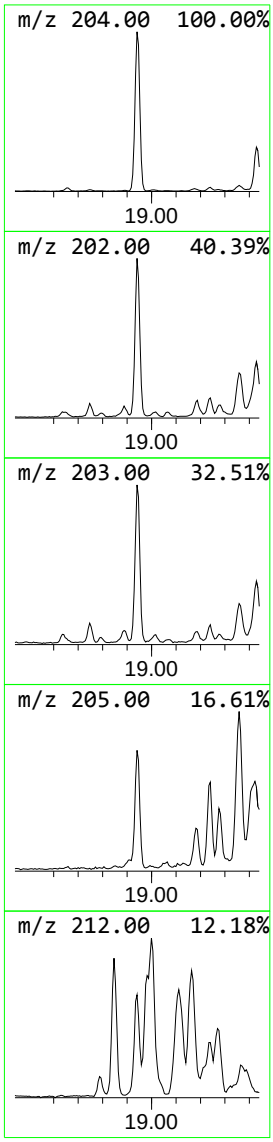
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.941 | 32.89 ng | 903461 | Phenanthrene-d10 | 17.589 |

| 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 | 78 |
| 3 | Naphthalene, 1-phenyl- | 204 | C16H12 | 000605-02-7 | 55 |
| 4 | [1,1'-Biphenyl]-2-ol, 5-chloro- | 204 | C12H9ClO | 000607-12-5 | 47 |
| 5 | 9,10-ethenoanthracene, 9,10-dihy... | 204 | C16H12 | 1000400-47-8 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056629.D
Acq On : 13 Feb 2023 21:31
Operator : CG/JU
Sample : 01526-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-021023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

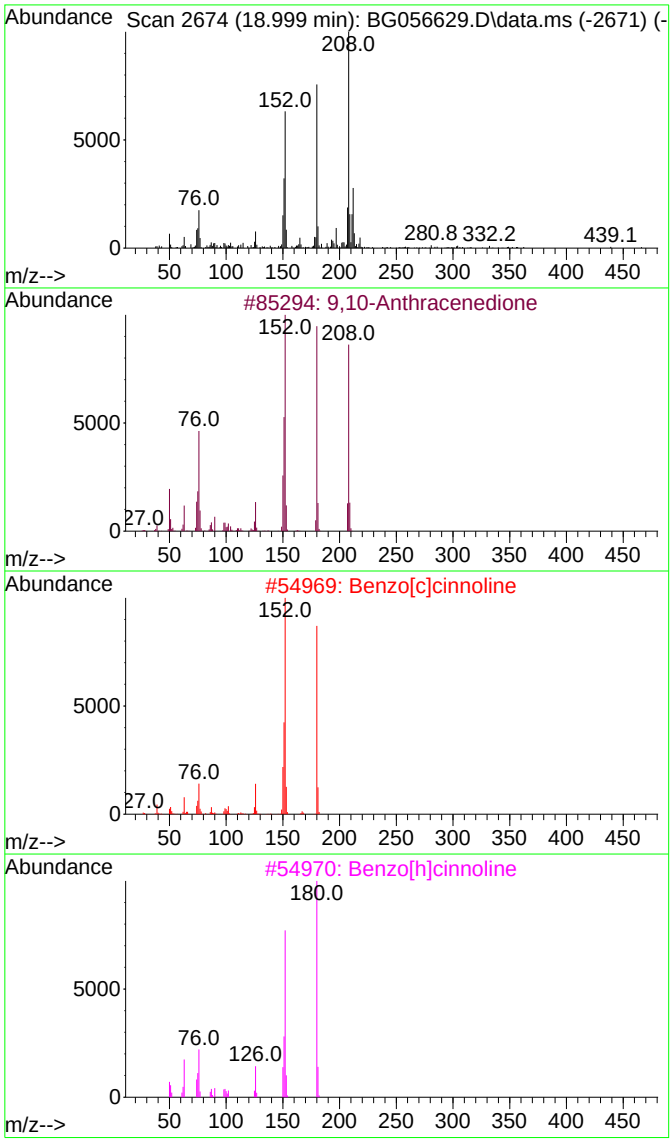
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

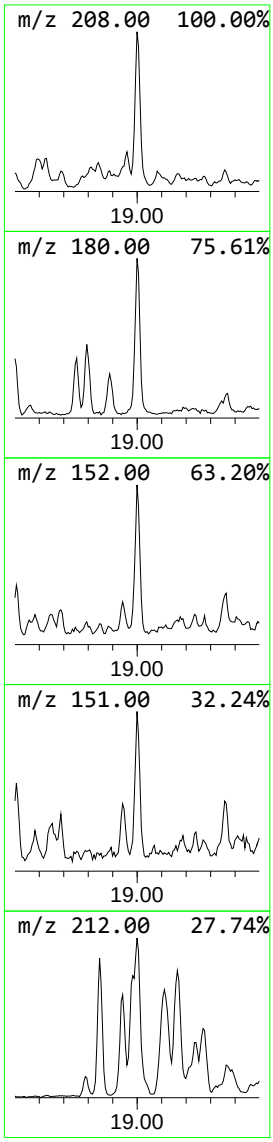
**********

Peak Number 14 9,10-Anthracenedione Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.999 | 16.41 ng | 450813 | Phenanthrene-d10 | 17.589 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 97 |
| 2 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 64 |
| 3 | Benzo[h]cinnoline | 180 | C12H8N2 | 000230-31-9 | 60 |
| 4 | 5,6-Dimethyl-1,10-phenanthroline | 208 | C14H12N2 | 003002-81-1 | 60 |
| 5 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 52 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056629.D
Acq On : 13 Feb 2023 21:31
Operator : CG/JU
Sample : 01526-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-021023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

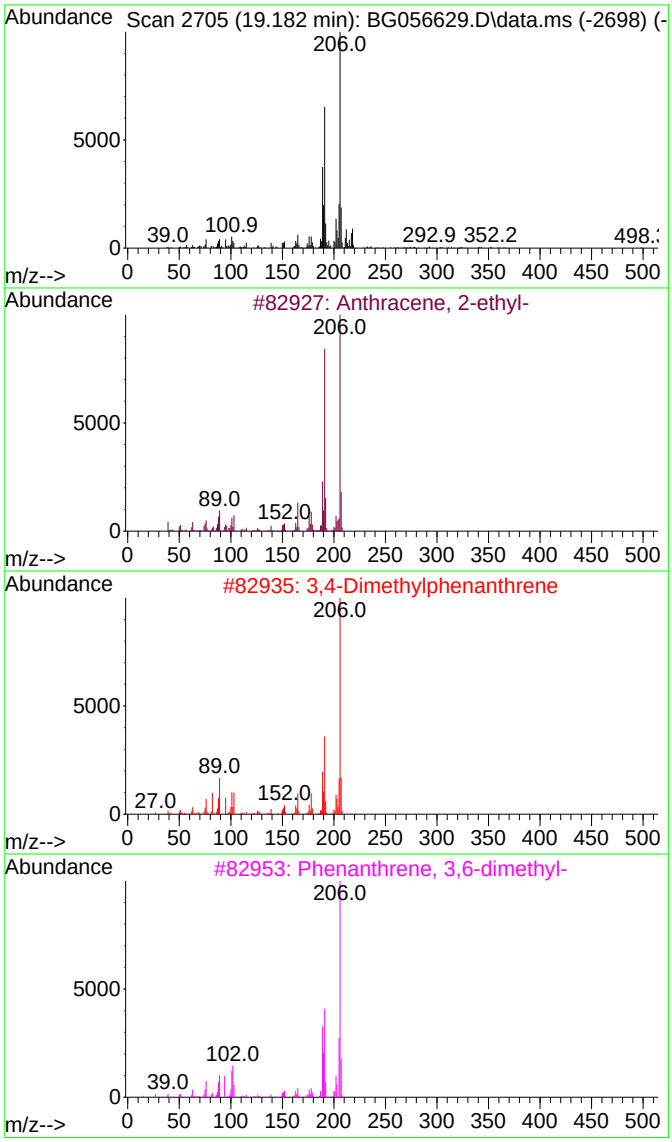
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

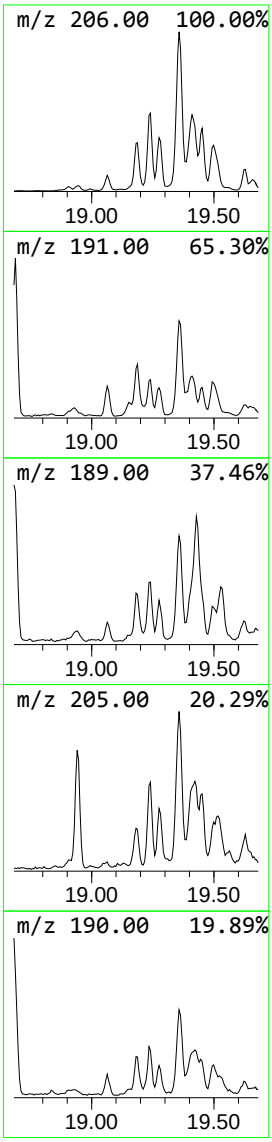
**********

Peak Number 15 Anthracene, 2-ethyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.182 | 18.22 ng | 500480 | Phenanthrene-d10 | 17.589 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 2-ethyl- | 206 | C16H14 | 052251-71-5 | 93 |
| 2 | 3,4-Dimethylphenanthrene | 206 | C16H14 | 1000452-24-5 | 93 |
| 3 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 93 |
| 4 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 90 |
| 5 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056629.D
Acq On : 13 Feb 2023 21:31
Operator : CG/JU
Sample : 01526-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-021023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

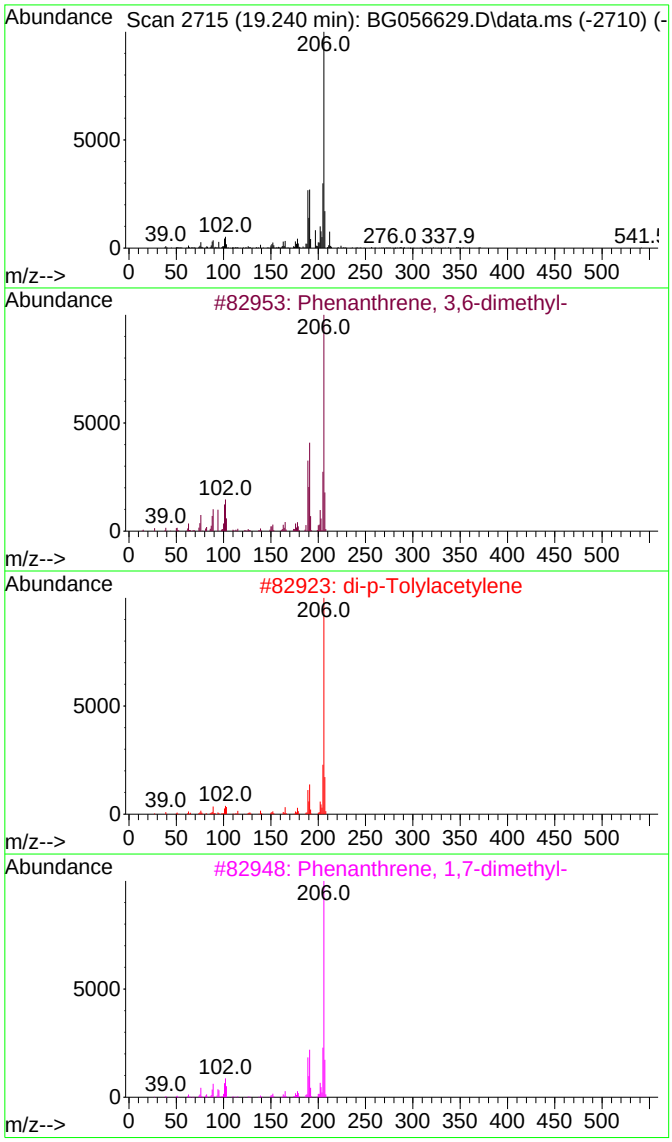
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

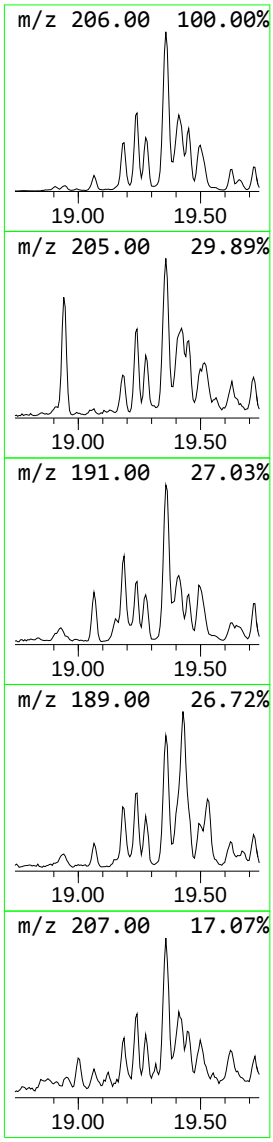
**********

Peak Number 16 Phenanthrene, 3,6-dimethyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.240 | 14.52 ng | 398820 | Phenanthrene-d10 | 17.589 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 94 |
| 2 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 94 |
| 3 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 87 |
| 4 | 3,4-Dimethylphenanthrene | 206 | C16H14 | 1000452-24-5 | 81 |
| 5 | Phenanthrene, 2,7-dimethyl- | 206 | C16H14 | 001576-69-8 | 80 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056629.D
Acq On : 13 Feb 2023 21:31
Operator : CG/JU
Sample : 01526-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-021023

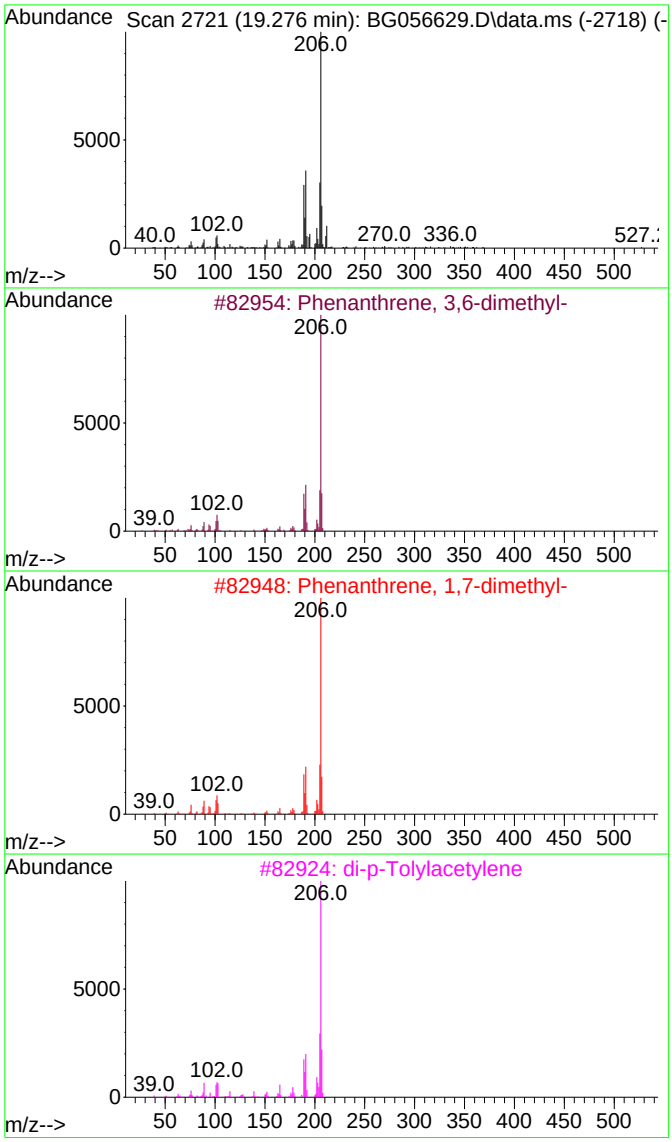
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

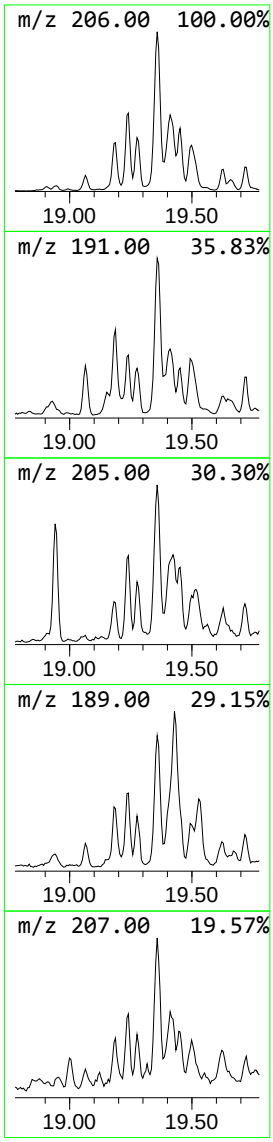
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 Phenanthrene, 1,7-dimethyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.276 | 11.31 ng | 310641 | Phenanthrene-d10 | 17.589 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 91 |
| 2 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 87 |
| 3 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 87 |
| 4 | Phenanthrene, 2,7-dimethyl- | 206 | C16H14 | 001576-69-8 | 83 |
| 5 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 76 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056629.D
Acq On : 13 Feb 2023 21:31
Operator : CG/JU
Sample : 01526-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-021023

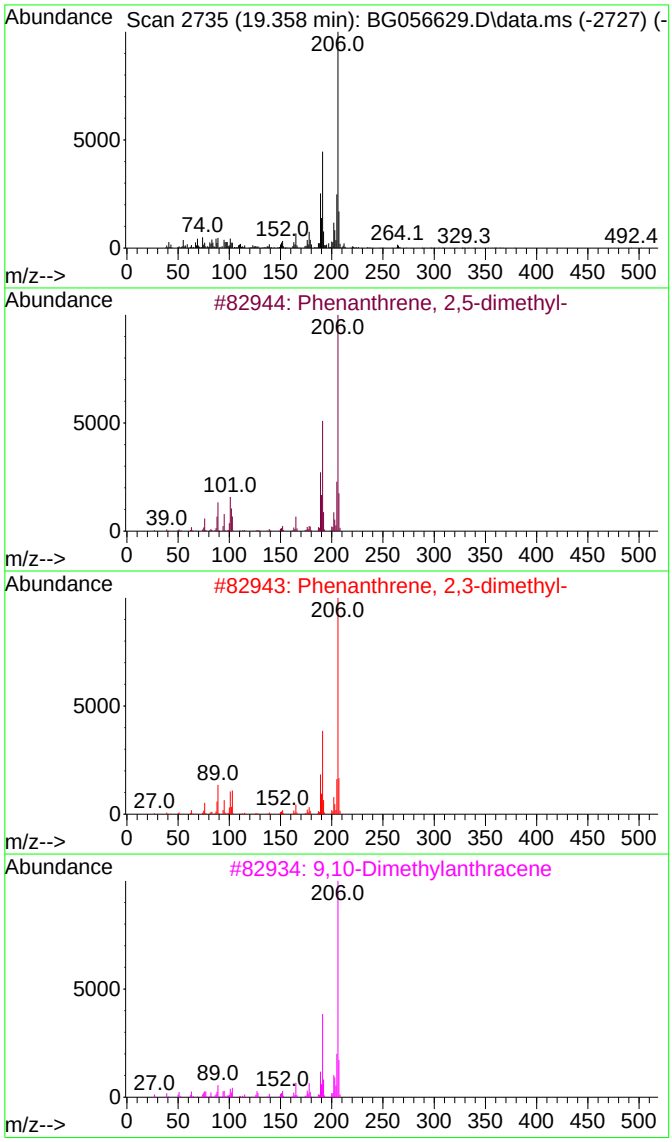
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

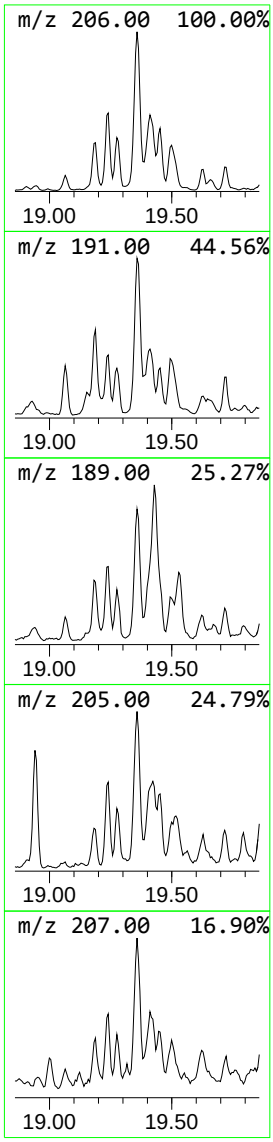
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.358 | 61.53 ng | 1690380 | Phenanthrene-d10 | 17.589 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 93 |
| 2 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 91 |
| 3 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 91 |
| 4 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 91 |
| 5 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056629.D
Acq On : 13 Feb 2023 21:31
Operator : CG/JU
Sample : 01526-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-021023

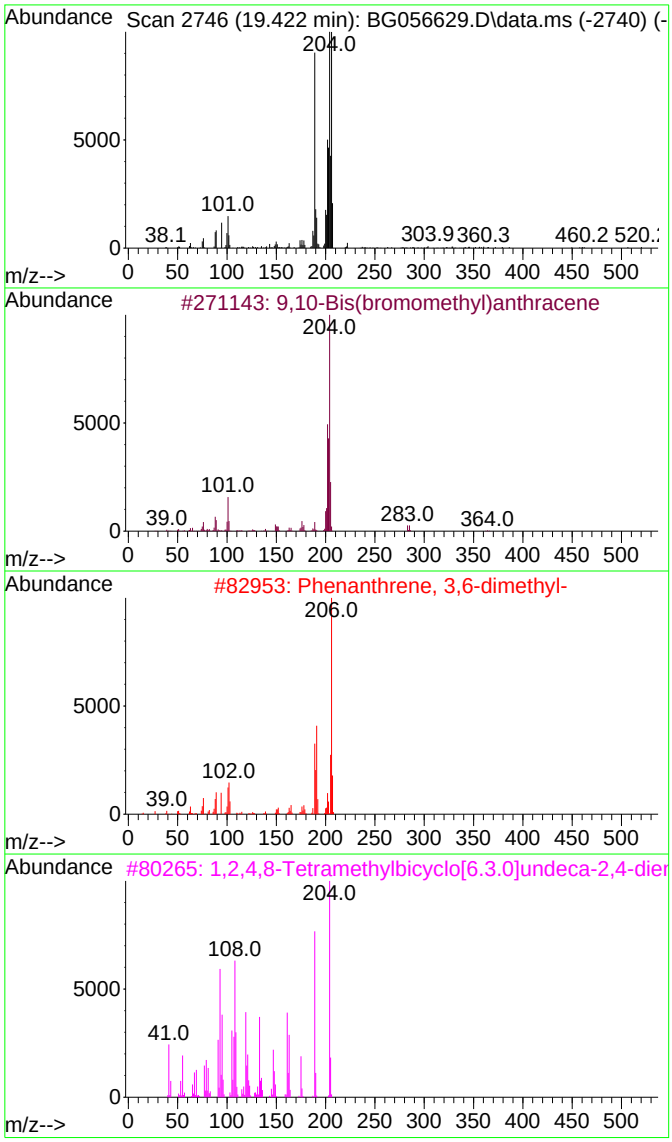
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

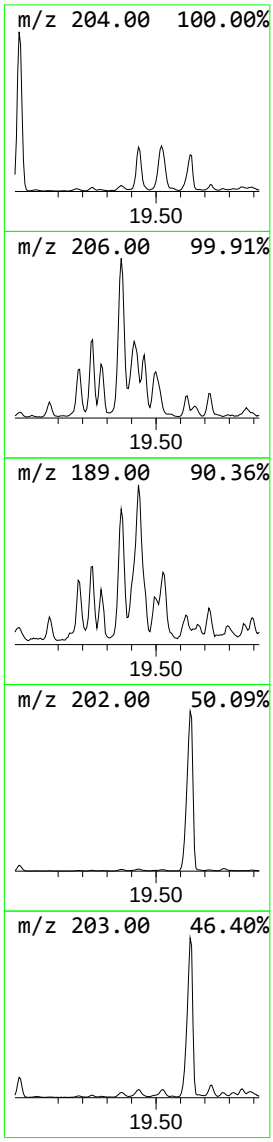
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 19 9,10-Bis(bromomethyl)anthra... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.422 | 16.86 ng | 463166 | Phenanthrene-d10 | 17.589 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 86 |
| 2 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 38 |
| 3 | 1,2,4,8-Tetramethylbicyclo[6.3.0... | 204 | C15H24 | 137235-51-9 | 38 |
| 4 | Acephenanthrylene, 4,5-dihydro- | 204 | C16H12 | 006232-48-0 | 38 |
| 5 | Pyrene, 4,5,9,10-tetrahydro- | 206 | C16H14 | 000781-17-9 | 30 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056629.D
Acq On : 13 Feb 2023 21:31
Operator : CG/JU
Sample : 01526-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-021023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

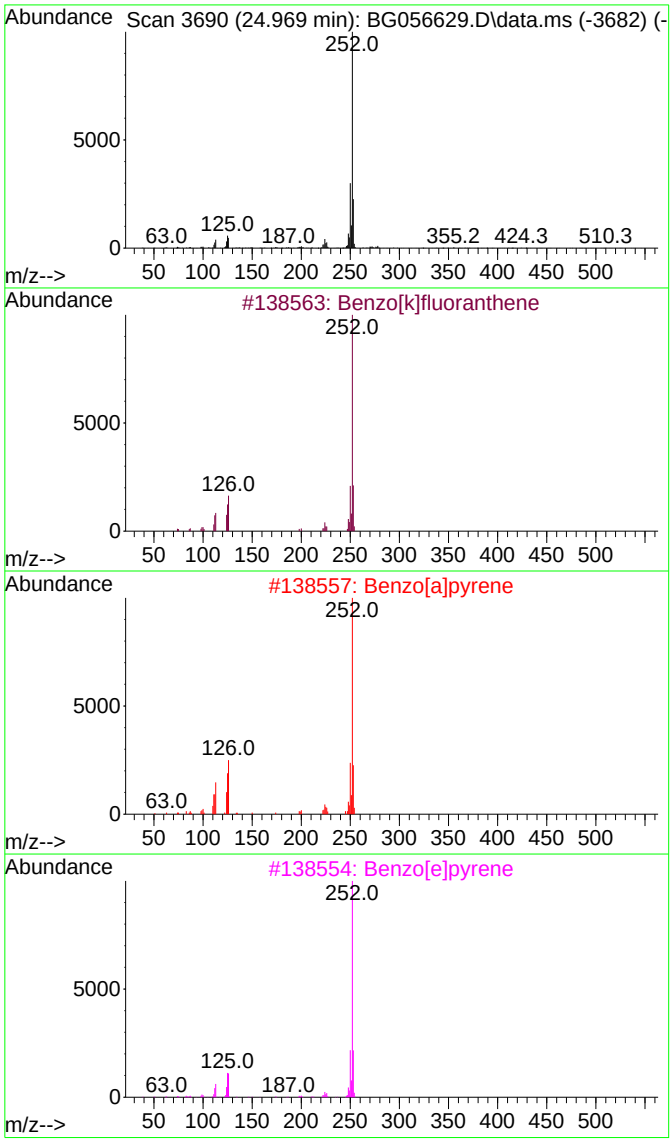
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

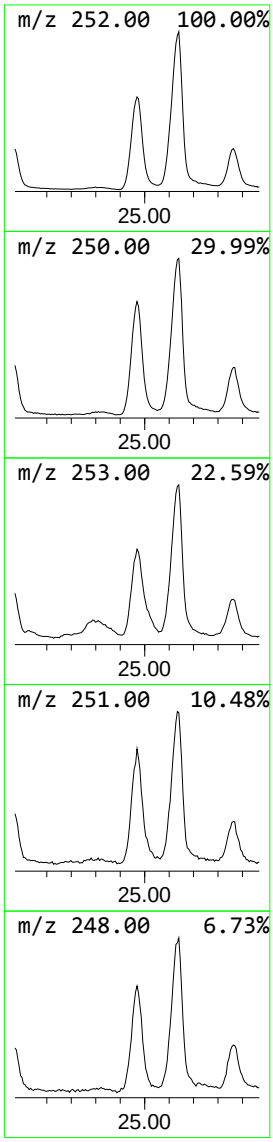
**********

Peak Number 20 Benzo[a]pyrene Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.969 | 12.84 ng | 2462480 | Perylene-d12 | 25.280 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 96 |
| 2 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 95 |
| 3 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 94 |
| 4 | Perylene | 252 | C20H12 | 000198-55-0 | 94 |
| 5 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 93 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056629.D
Acq On : 13 Feb 2023 21:31
Operator : CG/JU
Sample : 01526-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PL-01-021023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.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 |
| Naphthalene, 1,... | 14.023 | 14.2 | ng | 365004 | 3 | 14.845 | 514738 | 20.0 |
| Naphthalene, 1,... | 14.164 | 16.7 | ng | 429243 | 3 | 14.845 | 514738 | 20.0 |
| 2,4,6-Cyclohept... | 16.173 | 11.9 | ng | 306697 | 3 | 14.845 | 514738 | 20.0 |
| 9H-Fluorene, 2-... | 16.884 | 18.1 | ng | 495921 | 4 | 17.589 | 549424 | 20.0 |
| Dibenzothiophene | 17.407 | 23.8 | ng | 653321 | 4 | 17.589 | 549424 | 20.0 |
| 4-Methylnaphtho... | 18.165 | 12.9 | ng | 355087 | 4 | 17.589 | 549424 | 20.0 |
| Dibenzothiophen... | 18.306 | 12.3 | ng | 338945 | 4 | 17.589 | 549424 | 20.0 |
| Phenanthrene, 2... | 18.459 | 50.0 | ng | 1373910 | 4 | 17.589 | 549424 | 20.0 |
| Phenanthrene, 1... | 18.506 | 62.0 | ng | 1703940 | 4 | 17.589 | 549424 | 20.0 |
| Anthracene, 9-m... | 18.588 | 23.3 | ng | 640314 | 4 | 17.589 | 549424 | 20.0 |
| 4H-Cyclopenta[d... | 18.659 | 100.5 | ng | 2761700 | 4 | 17.589 | 549424 | 20.0 |
| Anthracene, 2-m... | 18.688 | 29.1 | ng | 799191 | 4 | 17.589 | 549424 | 20.0 |
| 5,16[1',2']:8,1... | 18.941 | 32.9 | ng | 903461 | 4 | 17.589 | 549424 | 20.0 |
| 9,10-Anthracene... | 18.999 | 16.4 | ng | 450813 | 4 | 17.589 | 549424 | 20.0 |
| Anthracene, 2-e... | 19.182 | 18.2 | ng | 500480 | 4 | 17.589 | 549424 | 20.0 |
| Phenanthrene, 3... | 19.240 | 14.5 | ng | 398820 | 4 | 17.589 | 549424 | 20.0 |
| Phenanthrene, 1... | 19.276 | 11.3 | ng | 310641 | 4 | 17.589 | 549424 | 20.0 |
| Phenanthrene, 2... | 19.358 | 61.5 | ng | 1690380 | 4 | 17.589 | 549424 | 20.0 |
| 9,10-Bis(bromom... | 19.422 | 16.9 | ng | 463166 | 4 | 17.589 | 549424 | 20.0 |
| Benzo[a]pyrene | 24.969 | 12.8 | ng | 2462480 | 6 | 25.280 | 3836050 | 20.0 |