LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003410.D
Acq On : 29 Sep 2020 21:20
Operator : CG/JU
Sample : L4172-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** B-6(7-9)

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_P\METHODS\8270-BP091520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP003410.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.158 | 380 | 386 | 412 | rBV | 963050 | 1574252 | 13.90% | 1.052% |
| 2 | 6.746 | 650 | 656 | 674 | rBV | 910524 | 1673353 | 14.78% | 1.118% |
| 3 | 7.546 | 785 | 792 | 802 | rVB | 258406 | 422027 | 3.73% | 0.282% |
| 4 | 8.693 | 973 | 987 | 1007 | rBV | 677995 | 1179553 | 10.42% | 0.788% |
| 5 | 10.322 | 1255 | 1264 | 1268 | rBV | 391201 | 652737 | 5.76% | 0.436% |
| 6 | 10.369 | 1268 | 1272 | 1287 | rVB | 228397 | 406761 | 3.59% | 0.272% |
| 7 | 11.998 | 1540 | 1549 | 1558 | rBV | 112415 | 194141 | 1.71% | 0.130% |
| 8 | 12.222 | 1579 | 1587 | 1598 | rVB | 87568 | 155086 | 1.37% | 0.104% |
| 9 | 12.816 | 1681 | 1688 | 1709 | rBV | 1725758 | 2603664 | 22.99% | 1.740% |
| 10 | 13.110 | 1732 | 1738 | 1746 | rBV | 99673 | 156990 | 1.39% | 0.105% |
| 11 | 13.663 | 1826 | 1832 | 1842 | rBV | 262215 | 380463 | 3.36% | 0.254% |
| 12 | 13.922 | 1871 | 1876 | 1892 | rVB | 138568 | 237934 | 2.10% | 0.159% |
| 13 | 14.198 | 1915 | 1923 | 1929 | rBV | 653663 | 1006565 | 8.89% | 0.673% |
| 14 | 14.263 | 1929 | 1934 | 1943 | rVB | 624305 | 901510 | 7.96% | 0.603% |
| 15 | 14.604 | 1985 | 1992 | 2002 | rBV | 367040 | 554838 | 4.90% | 0.371% |
| 16 | 15.257 | 2096 | 2103 | 2109 | rBV | 686019 | 989839 | 8.74% | 0.662% |
| 17 | 15.551 | 2149 | 2153 | 2164 | rVB | 148118 | 229317 | 2.03% | 0.153% |
| 18 | 15.704 | 2169 | 2179 | 2187 | rBV | 1548144 | 2375202 | 20.98% | 1.587% |
| 19 | 15.939 | 2213 | 2219 | 2232 | rVB3 | 80792 | 158908 | 1.40% | 0.106% |
| 20 | 16.263 | 2263 | 2274 | 2280 | rBV3 | 113467 | 287802 | 2.54% | 0.192% |
| 21 | 16.616 | 2329 | 2334 | 2342 | rVB | 292998 | 429473 | 3.79% | 0.287% |
| 22 | 16.692 | 2342 | 2347 | 2354 | rBV3 | 81424 | 182599 | 1.61% | 0.122% |
| 23 | 16.769 | 2354 | 2360 | 2371 | rVB | 363764 | 585285 | 5.17% | 0.391% |
| 24 | 16.957 | 2386 | 2392 | 2395 | rBV | 852253 | 1246613 | 11.01% | 0.833% |
| 25 | 17.004 | 2395 | 2400 | 2406 | rVV | 5089615 | 8008233 | 70.73% | 5.352% |
| 26 | 17.092 | 2406 | 2415 | 2421 | rVV | 1618326 | 2423905 | 21.41% | 1.620% |
| 27 | 17.151 | 2421 | 2425 | 2432 | rVB | 175573 | 269997 | 2.38% | 0.180% |
| 28 | 17.363 | 2451 | 2461 | 2466 | rBV2 | 887669 | 1466160 | 12.95% | 0.980% |
| 29 | 17.481 | 2476 | 2481 | 2487 | rBV2 | 152420 | 219152 | 1.94% | 0.146% |
| 30 | 17.545 | 2487 | 2492 | 2499 | rBV4 | 116953 | 202311 | 1.79% | 0.135% |
| 31 | 17.833 | 2534 | 2541 | 2545 | rBV | 657243 | 885315 | 7.82% | 0.592% |
| 32 | 17.881 | 2545 | 2549 | 2556 | rVB | 964682 | 1252730 | 11.06% | 0.837% |
| 33 | 17.957 | 2556 | 2562 | 2567 | rBV | 351112 | 498759 | 4.40% | 0.333% |
| 34 | 18.022 | 2567 | 2573 | 2577 | rBV2 | 1192431 | 1880757 | 16.61% | 1.257% |
| 35 | 18.057 | 2577 | 2579 | 2586 | rVB | 413594 | 491971 | 4.34% | 0.329% |
| 36 | 18.175 | 2595 | 2599 | 2603 | rVV2 | 115160 | 153027 | 1.35% | 0.102% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003410.D
Acq On : 29 Sep 2020 21:20
Operator : CG/JU
Sample : L4172-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** B-6(7-9)

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_P\METHODS\8270-BP091520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 18.322 | 2620 | 2624 | 2628 | rVV | 554400 | 696416 | 6.15% | 0.465% |
| 38 | 18.363 | 2628 | 2631 | 2638 | rVB | 571375 | 759114 | 6.70% | 0.507% |
| 39 | 18.563 | 2658 | 2665 | 2669 | rBV4 | 141923 | 210141 | 1.86% | 0.140% |
| 40 | 18.616 | 2670 | 2674 | 2677 | rVV | 128298 | 162310 | 1.43% | 0.108% |
| 41 | 18.651 | 2677 | 2680 | 2684 | rVB | 127438 | 153682 | 1.36% | 0.103% |
| 42 | 18.733 | 2688 | 2694 | 2698 | rVV | 257347 | 481144 | 4.25% | 0.322% |
| 43 | 18.792 | 2700 | 2704 | 2707 | rVV2 | 200845 | 356298 | 3.15% | 0.238% |
| 44 | 18.869 | 2712 | 2717 | 2725 | rVB2 | 347673 | 588242 | 5.20% | 0.393% |
| 45 | 18.992 | 2731 | 2738 | 2743 | rBV | 7100693 | 10772683 | 95.14% | 7.200% |
| 46 | 19.080 | 2750 | 2753 | 2758 | rVB | 221121 | 276973 | 2.45% | 0.185% |
| 47 | 19.222 | 2765 | 2777 | 2781 | rBV3 | 325542 | 847340 | 7.48% | 0.566% |
| 48 | 19.345 | 2787 | 2798 | 2805 | rBV2 | 5959469 | 11322955 | 100.00% | 7.568% |
| 49 | 19.410 | 2805 | 2809 | 2814 | rVV2 | 374679 | 488834 | 4.32% | 0.327% |
| 50 | 19.539 | 2822 | 2831 | 2835 | rBV2 | 3320852 | 4860174 | 42.92% | 3.248% |
| 51 | 19.575 | 2835 | 2837 | 2842 | rVB | 603452 | 714690 | 6.31% | 0.478% |
| 52 | 19.651 | 2845 | 2850 | 2852 | rBV | 466473 | 750835 | 6.63% | 0.502% |
| 53 | 19.710 | 2857 | 2860 | 2864 | rVB | 288683 | 310583 | 2.74% | 0.208% |
| 54 | 19.786 | 2868 | 2873 | 2876 | rVV5 | 402811 | 756348 | 6.68% | 0.506% |
| 55 | 19.827 | 2876 | 2880 | 2884 | rVB | 1382089 | 1822619 | 16.10% | 1.218% |
| 56 | 19.869 | 2884 | 2887 | 2891 | rBV | 114378 | 153219 | 1.35% | 0.102% |
| 57 | 19.922 | 2892 | 2896 | 2900 | rBV | 1098937 | 1356024 | 11.98% | 0.906% |
| 58 | 19.975 | 2900 | 2905 | 2909 | rVV2 | 724637 | 1284821 | 11.35% | 0.859% |
| 59 | 20.010 | 2909 | 2911 | 2916 | rVB2 | 286181 | 384369 | 3.39% | 0.257% |
| 60 | 20.057 | 2916 | 2919 | 2923 | rVB2 | 190924 | 217616 | 1.92% | 0.145% |
| 61 | 20.116 | 2924 | 2929 | 2932 | rBV | 347121 | 456346 | 4.03% | 0.305% |
| 62 | 20.157 | 2932 | 2936 | 2941 | rVV3 | 381791 | 518426 | 4.58% | 0.346% |
| 63 | 20.275 | 2953 | 2956 | 2960 | rVB3 | 171546 | 236341 | 2.09% | 0.158% |
| 64 | 20.369 | 2968 | 2972 | 2975 | rBV3 | 161846 | 244451 | 2.16% | 0.163% |
| 65 | 20.410 | 2975 | 2979 | 2980 | rBV3 | 146016 | 175902 | 1.55% | 0.118% |
| 66 | 20.522 | 2994 | 2998 | 3000 | rBV2 | 175934 | 246584 | 2.18% | 0.165% |
| 67 | 20.557 | 3000 | 3004 | 3011 | rVB | 792826 | 1065260 | 9.41% | 0.712% |
| 68 | 20.716 | 3025 | 3031 | 3034 | rBV2 | 982697 | 1490757 | 13.17% | 0.996% |
| 69 | 20.751 | 3034 | 3037 | 3040 | rVV | 941414 | 1146694 | 10.13% | 0.766% |
| 70 | 20.792 | 3040 | 3044 | 3049 | rVV2 | 1149214 | 2028364 | 17.91% | 1.356% |
| 71 | 20.851 | 3050 | 3054 | 3061 | rVV | 1012007 | 1408581 | 12.44% | 0.941% |
| 72 | 20.951 | 3064 | 3071 | 3077 | rVV | 331457 | 873457 | 7.71% | 0.584% |
| 73 | 21.057 | 3079 | 3089 | 3093 | rVV3 | 5356792 | 10482098 | 92.57% | 7.006% |
| 74 | 21.104 | 3093 | 3097 | 3106 | rVB | 4329786 | 6378652 | 56.33% | 4.263% |
| 75 | 21.180 | 3107 | 3110 | 3112 | rBV2 | 147516 | 156274 | 1.38% | 0.104% |
| 76 | 21.216 | 3112 | 3116 | 3121 | rVV | 1010770 | 1296625 | 11.45% | 0.867% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003410.D
Acq On : 29 Sep 2020 21:20
Operator : CG/JU
Sample : L4172-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** B-6(7-9)

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_P\METHODS\8270-BP091520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 21.269 | 3122 | 3125 | 3128 | rVV3 | 344242 | 518939 | 4.58% | 0.347% |
| 78 | 21.322 | 3131 | 3134 | 3138 | rVV | 624847 | 759051 | 6.70% | 0.507% |
| 79 | 21.369 | 3138 | 3142 | 3147 | rVV2 | 956171 | 1340682 | 11.84% | 0.896% |
| 80 | 21.422 | 3147 | 3151 | 3154 | rVV4 | 212757 | 270260 | 2.39% | 0.181% |
| 81 | 21.545 | 3168 | 3172 | 3175 | rBV2 | 243515 | 343378 | 3.03% | 0.229% |
| 82 | 21.598 | 3176 | 3181 | 3185 | rVV | 856596 | 1308143 | 11.55% | 0.874% |
| 83 | 21.651 | 3186 | 3190 | 3196 | rVB2 | 478397 | 707557 | 6.25% | 0.473% |
| 84 | 21.716 | 3198 | 3201 | 3204 | rVV2 | 247715 | 321856 | 2.84% | 0.215% |
| 85 | 21.751 | 3204 | 3207 | 3211 | rVV2 | 383090 | 502565 | 4.44% | 0.336% |
| 86 | 21.792 | 3211 | 3214 | 3217 | rVV2 | 557974 | 807443 | 7.13% | 0.540% |
| 87 | 21.827 | 3217 | 3220 | 3225 | rVB2 | 556622 | 787550 | 6.96% | 0.526% |
| 88 | 21.886 | 3225 | 3230 | 3235 | rBV2 | 451278 | 718300 | 6.34% | 0.480% |
| 89 | 22.074 | 3258 | 3262 | 3266 | rBV2 | 347102 | 620841 | 5.48% | 0.415% |
| 90 | 22.357 | 3305 | 3310 | 3316 | rBV3 | 417020 | 799198 | 7.06% | 0.534% |
| 91 | 22.610 | 3346 | 3353 | 3357 | rBV | 3839479 | 8817791 | 77.88% | 5.893% |
| 92 | 22.768 | 3375 | 3380 | 3386 | rBV | 934156 | 1456023 | 12.86% | 0.973% |
| 93 | 22.898 | 3398 | 3402 | 3405 | rBV3 | 296209 | 540890 | 4.78% | 0.362% |
| 94 | 23.074 | 3426 | 3432 | 3441 | rVB | 2440130 | 4691405 | 41.43% | 3.136% |
| 95 | 23.174 | 3441 | 3449 | 3456 | rBV | 3418002 | 6666990 | 58.88% | 4.456% |
| 96 | 23.263 | 3458 | 3464 | 3467 | rVV2 | 976765 | 1936038 | 17.10% | 1.294% |
| 97 | 23.310 | 3467 | 3472 | 3480 | rVB | 1155415 | 2330493 | 20.58% | 1.558% |
| 98 | 25.492 | 3834 | 3843 | 3853 | rVB | 1682757 | 4813422 | 42.51% | 3.217% |
| 99 | 25.739 | 3880 | 3885 | 3892 | rVB | 325474 | 743643 | 6.57% | 0.497% |
| 100 | 26.174 | 3950 | 3959 | 3972 | rVB | 1192326 | 3549042 | 31.34% | 2.372% |

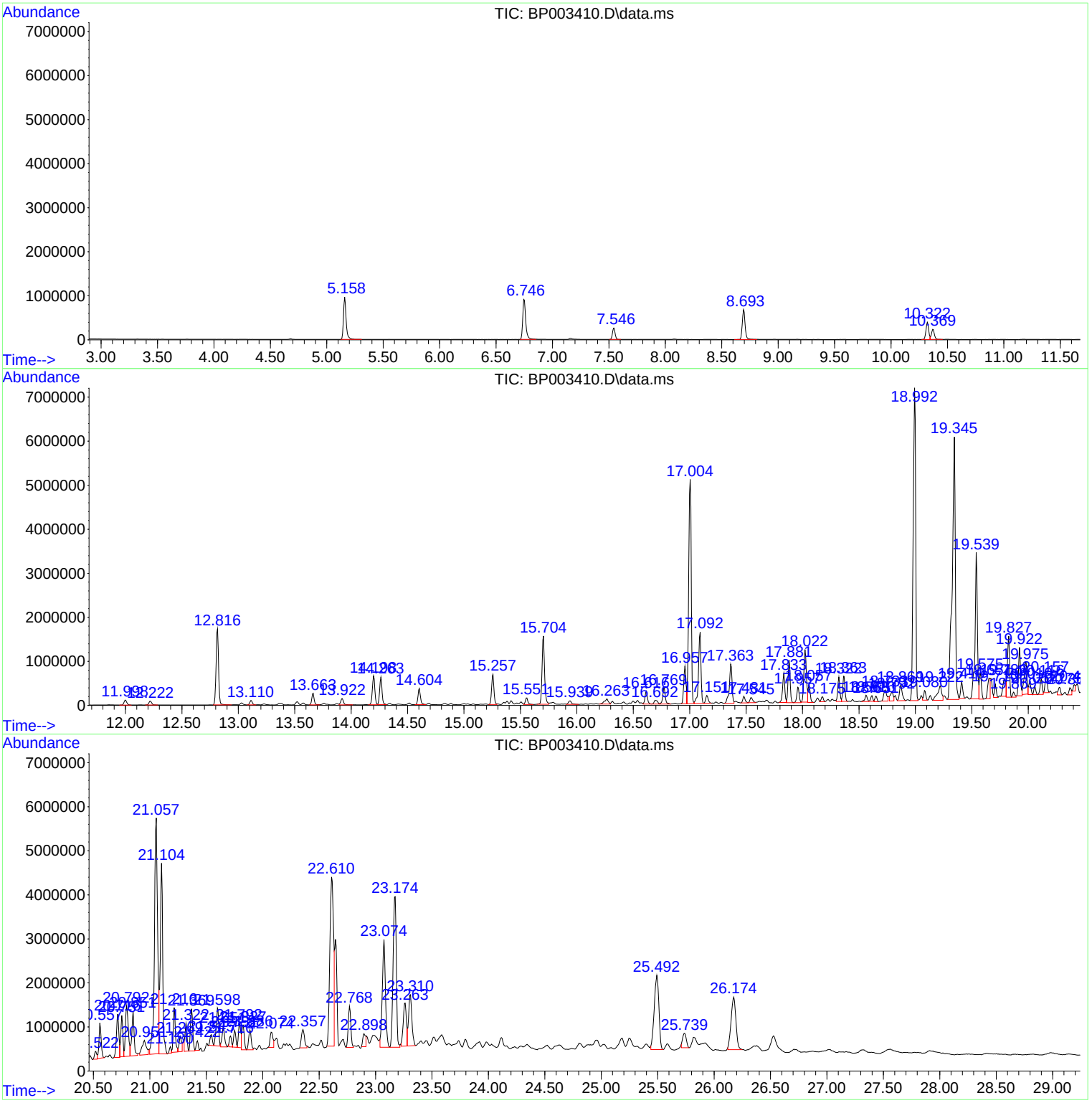
Sum of corrected areas: 149620971

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003410.D
Acq On : 29 Sep 2020 21:20
Operator : CG/JU
Sample : L4172-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-6(7-9)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003410.D
Acq On : 29 Sep 2020 21:20
Operator : CG/JU
Sample : L4172-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-6(7-9)

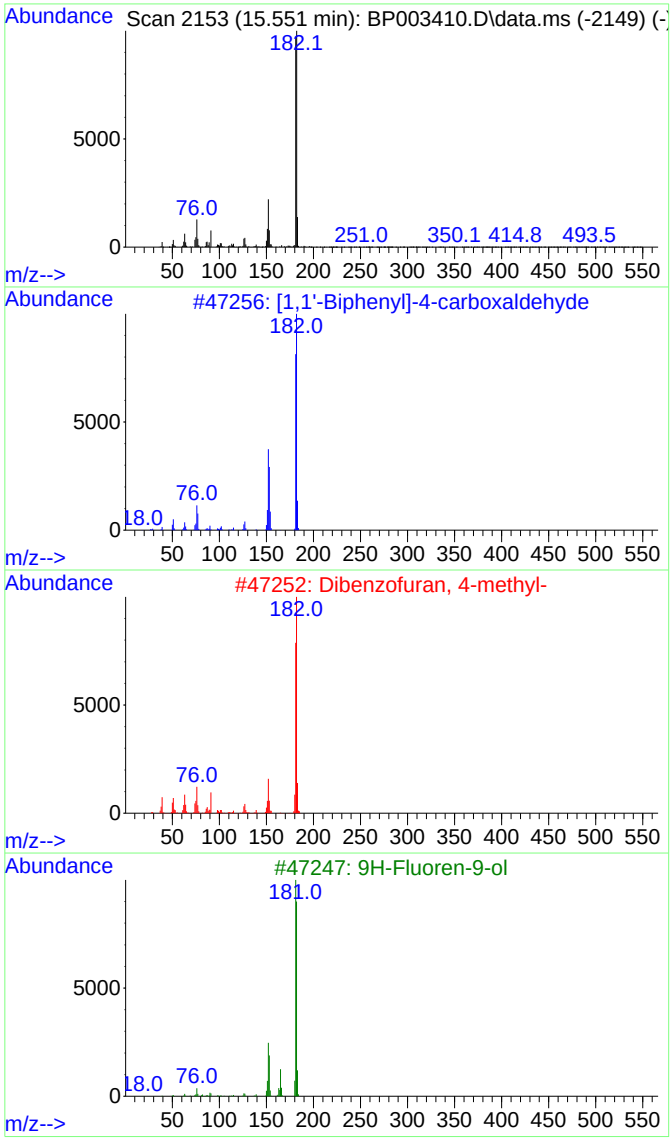
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

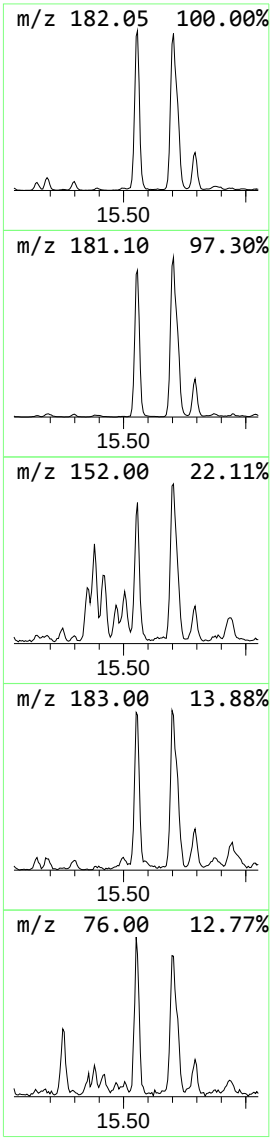
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.551 | 4.56 ng | 229317 | Acenaphthene-d10 | 14.198 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 91 |
| 2 | Dibenzofuran, 4-methyl- | 182 | C13H10O | 007320-53-8 | 91 |
| 3 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 83 |
| 4 | 9H-Xanthene | 182 | C13H10O | 000092-83-1 | 64 |
| 5 | 2,3-Dihydro-1-oxo-1H-phenalene | 182 | C13H10O | 000518-85-4 | 62 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003410.D
Acq On : 29 Sep 2020 21:20
Operator : CG/JU
Sample : L4172-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-6(7-9)

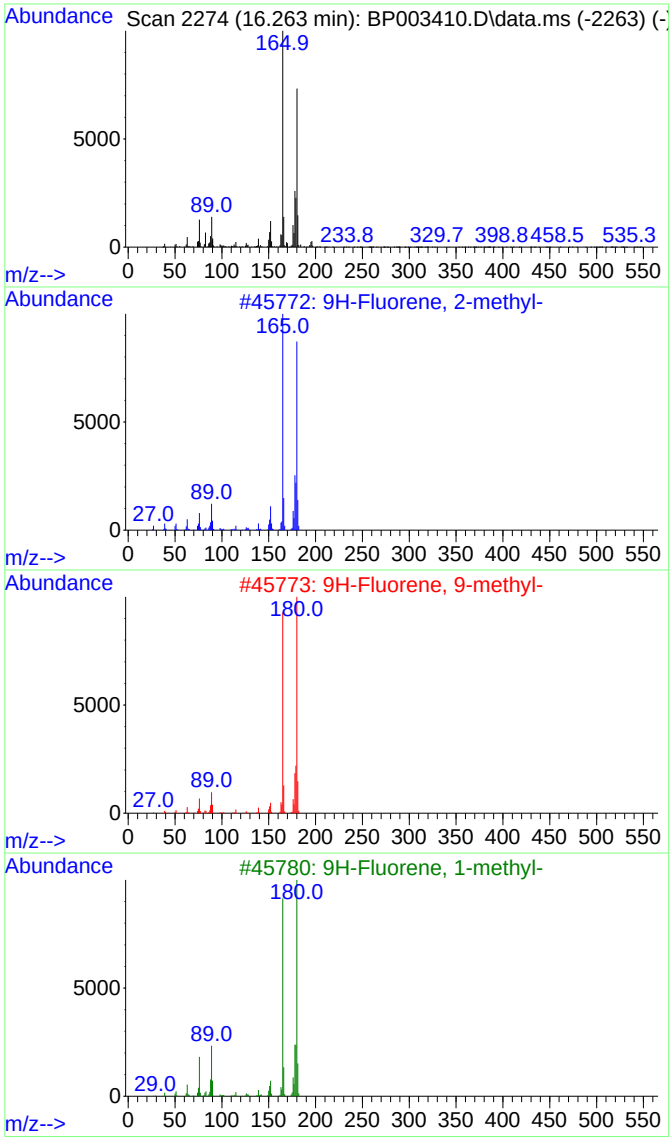
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

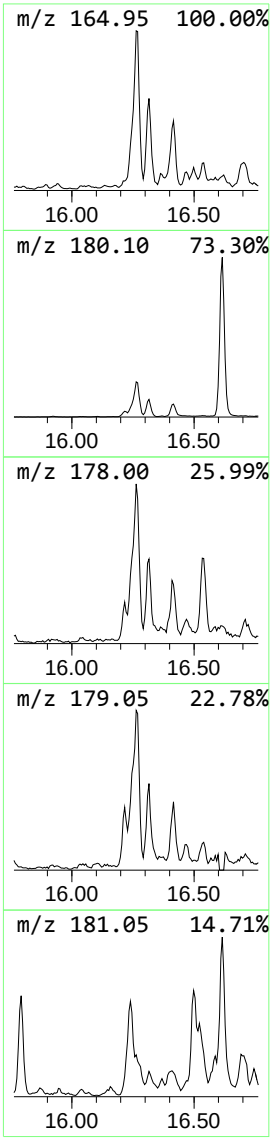
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 9H-Fluorene, 2-methyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.263 | 4.62 ng | 287802 | Phenanthrene-d10 | 16.957 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 97 |
| 2 | 9H-Fluorene, 9-methyl- | 180 | C14H12 | 002523-37-7 | 93 |
| 3 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 91 |
| 4 | 9H-Fluorene, 4-methyl- | 180 | C14H12 | 001556-99-6 | 91 |
| 5 | 9H-Fluorene, 3-methyl- | 180 | C14H12 | 002523-39-9 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003410.D
Acq On : 29 Sep 2020 21:20
Operator : CG/JU
Sample : L4172-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-6(7-9)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

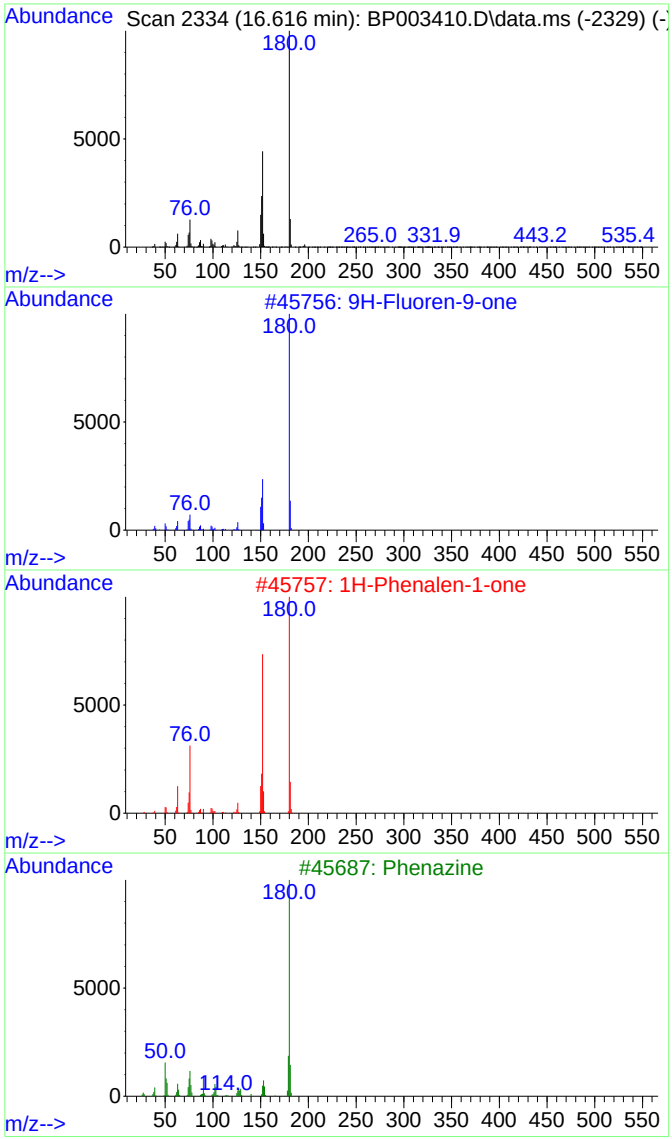
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

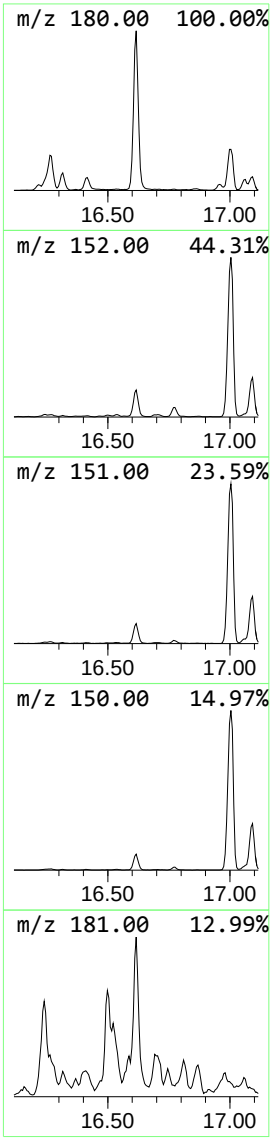
**********

Peak Number 3 9H-Fluoren-9-one Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.616 | 6.89 ng | 429473 | Phenanthrene-d10 | 16.957 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 96 |
| 2 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 50 |
| 3 | Phenazine | 180 | C12H8N2 | 000092-82-0 | 43 |
| 4 | Benzaldehyde, 4-nitro-, O-methyl... | 180 | C8H8N2O3 | 033499-32-0 | 43 |
| 5 | 1,1'-Biphenyl, 4-ethenyl- | 180 | C14H12 | 002350-89-2 | 42 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003410.D
Acq On : 29 Sep 2020 21:20
Operator : CG/JU
Sample : L4172-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-6(7-9)

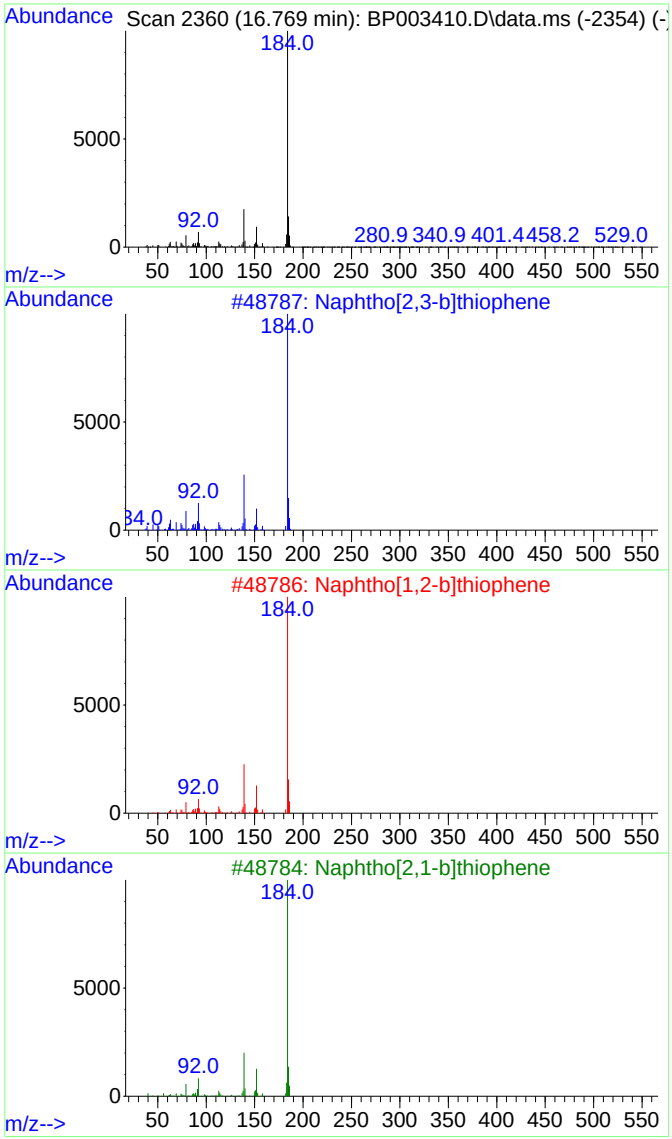
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

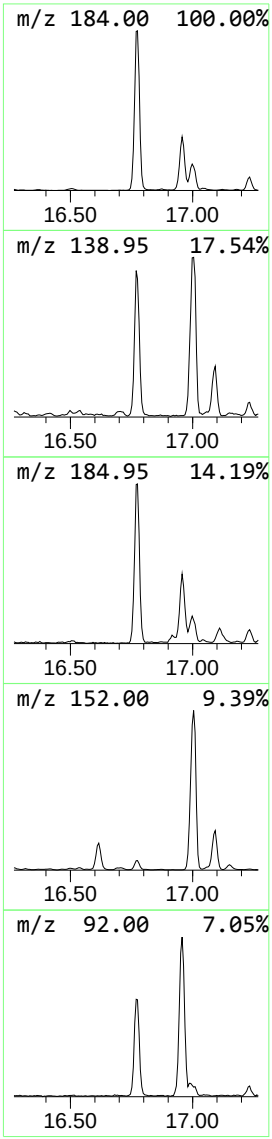
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Naphtho[2,3-b]thiophene Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.769 | 9.39 ng | 585285 | Phenanthrene-d10 | 16.957 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphtho[2,3-b]thiophene | 184 | C12H8S | 000268-77-9 | 97 |
| 2 | Naphtho[1,2-b]thiophene | 184 | C12H8S | 000234-41-3 | 96 |
| 3 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 96 |
| 4 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 95 |
| 5 | Azuleno(2,1-b)thiophene | 184 | C12H8S | 000248-13-5 | 83 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003410.D
Acq On : 29 Sep 2020 21:20
Operator : CG/JU
Sample : L4172-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-6(7-9)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

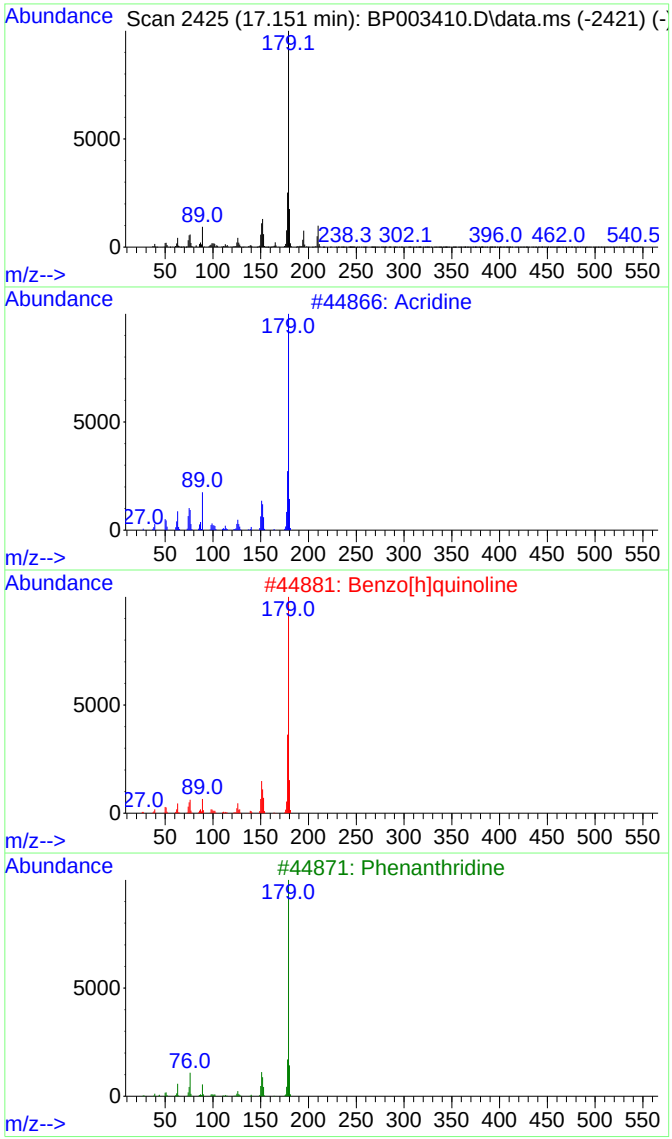
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

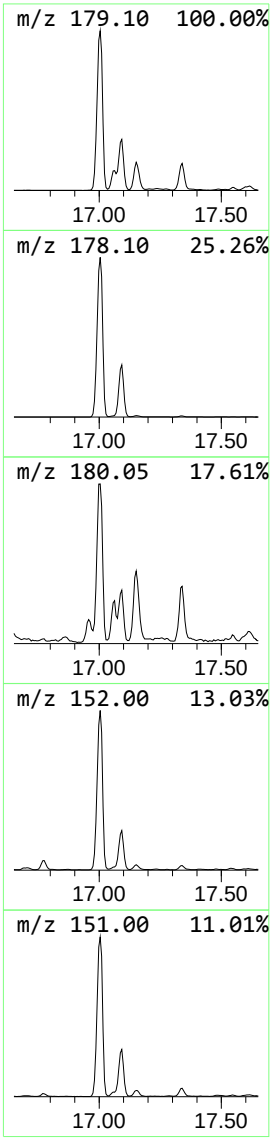
**********

Peak Number 5 Acridine Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.151 | 4.33 ng | 269997 | Phenanthrene-d10 | 16.957 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acridine | 179 | C13H9N | 000260-94-6 | 95 |
| 2 | Benzo[h]quinoline | 179 | C13H9N | 000230-27-3 | 91 |
| 3 | Phenanthridine | 179 | C13H9N | 000229-87-8 | 90 |
| 4 | Benzo[f]quinoline | 179 | C13H9N | 000085-02-9 | 90 |
| 5 | p-Phenylbenzonitrile | 179 | C13H9N | 002920-38-9 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003410.D
Acq On : 29 Sep 2020 21:20
Operator : CG/JU
Sample : L4172-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-6(7-9)

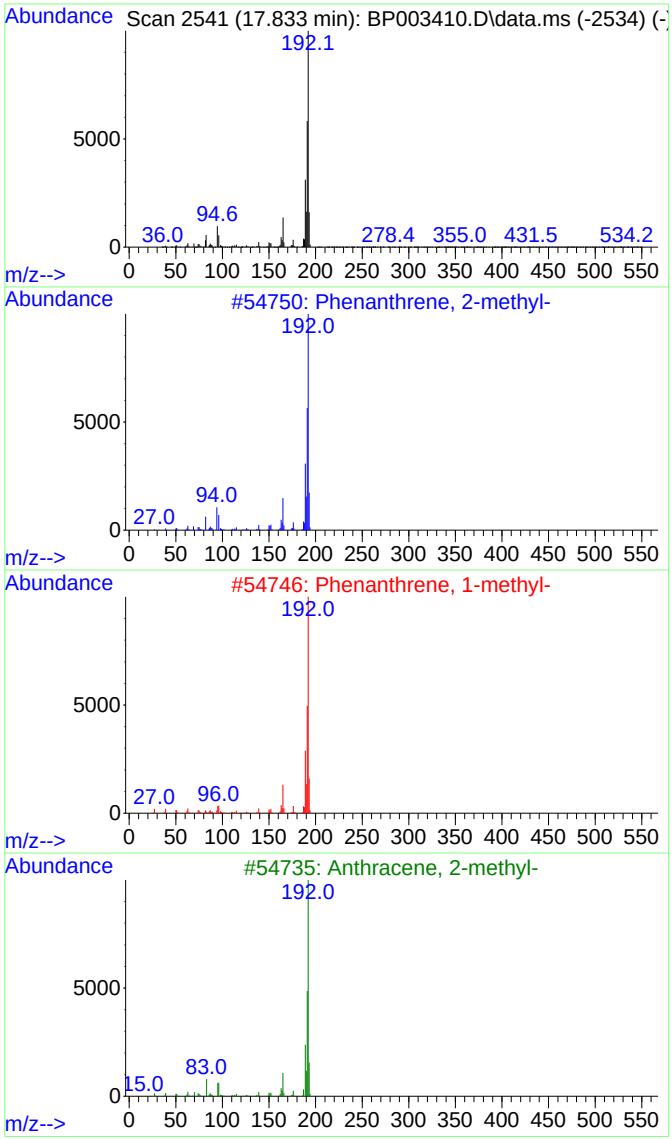
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

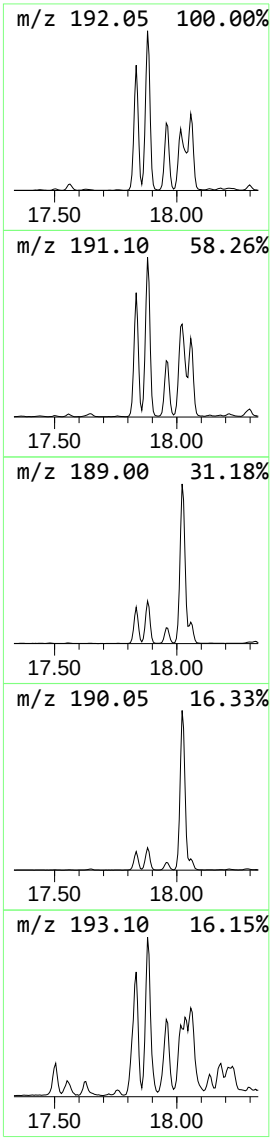
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.833 | 14.20 ng | 885315 | Phenanthrene-d10 | 16.957 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 98 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 97 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 96 |
| 4 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 95 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003410.D
Acq On : 29 Sep 2020 21:20
Operator : CG/JU
Sample : L4172-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-6(7-9)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

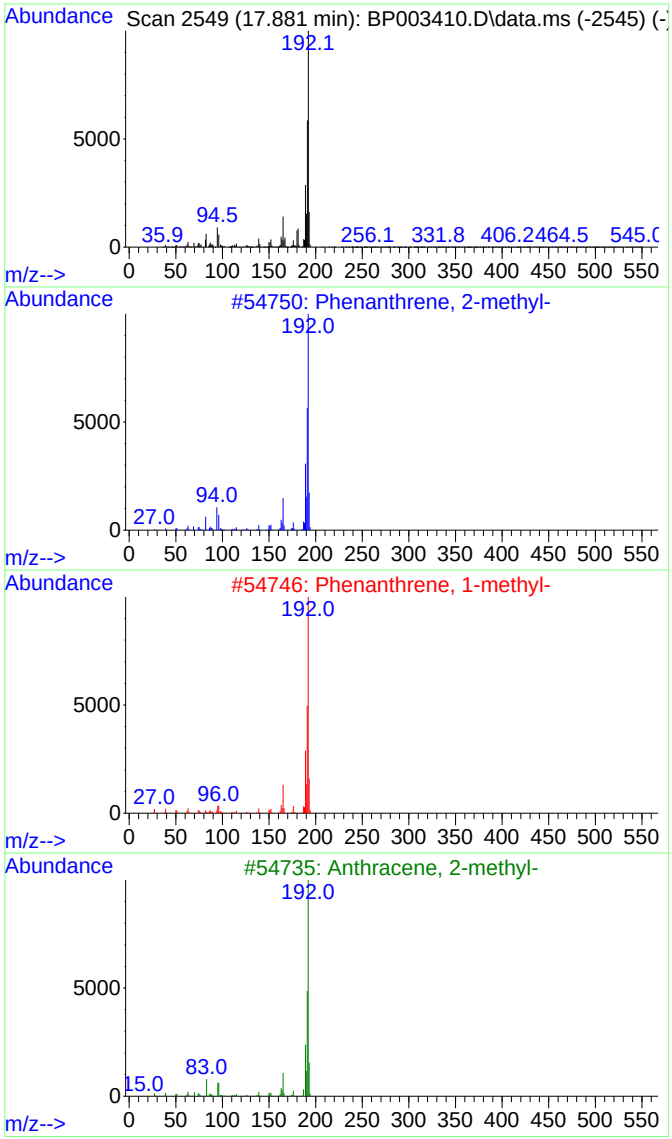
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

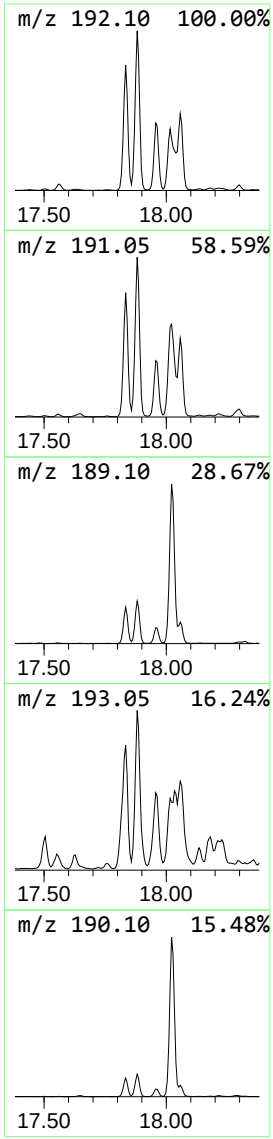
**********

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.881 | 20.10 ng | 1252730 | Phenanthrene-d10 | 16.957 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 98 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 97 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 96 |
| 4 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 95 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 94 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003410.D
Acq On : 29 Sep 2020 21:20
Operator : CG/JU
Sample : L4172-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-6(7-9)

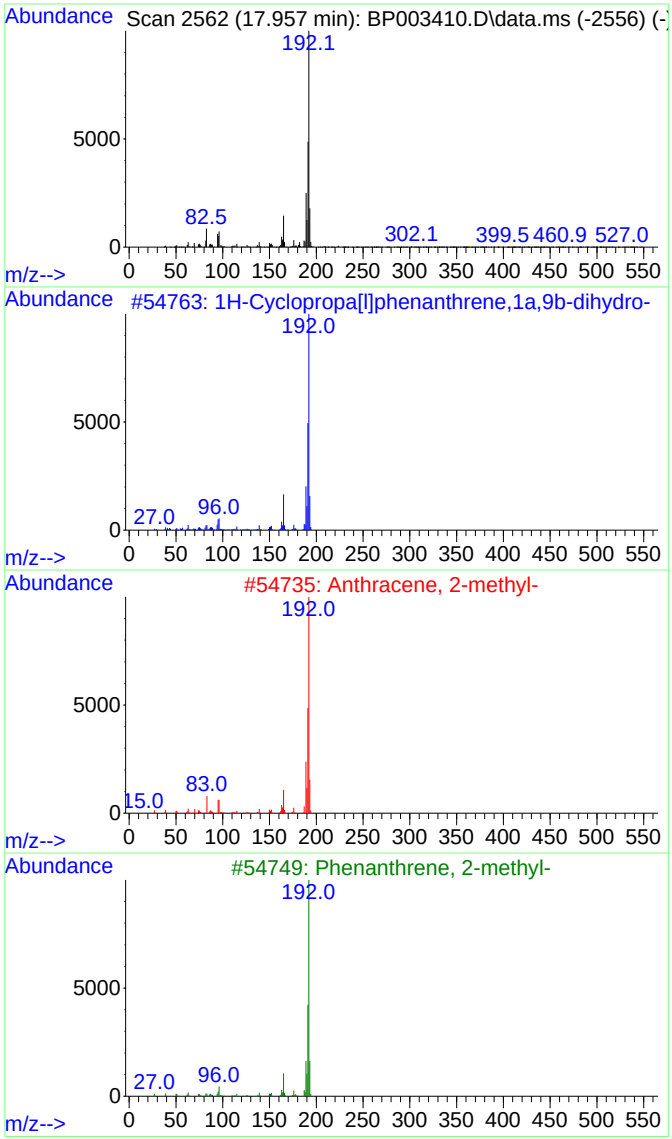
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

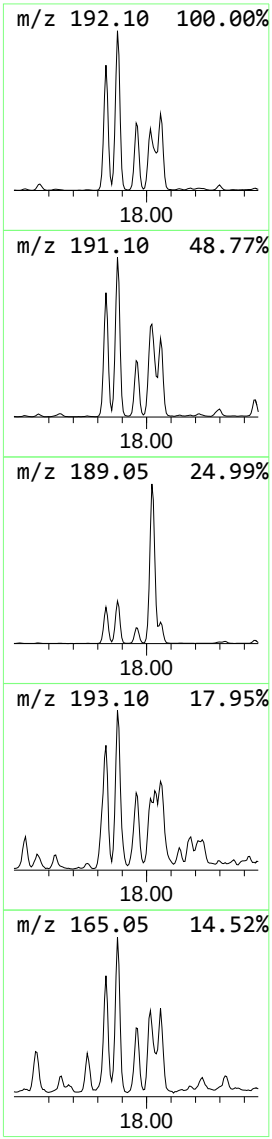
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.957 | 8.00 ng | 498759 | Phenanthrene-d10 | 16.957 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 97 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 96 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 5 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 96 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003410.D
Acq On : 29 Sep 2020 21:20
Operator : CG/JU
Sample : L4172-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-6(7-9)

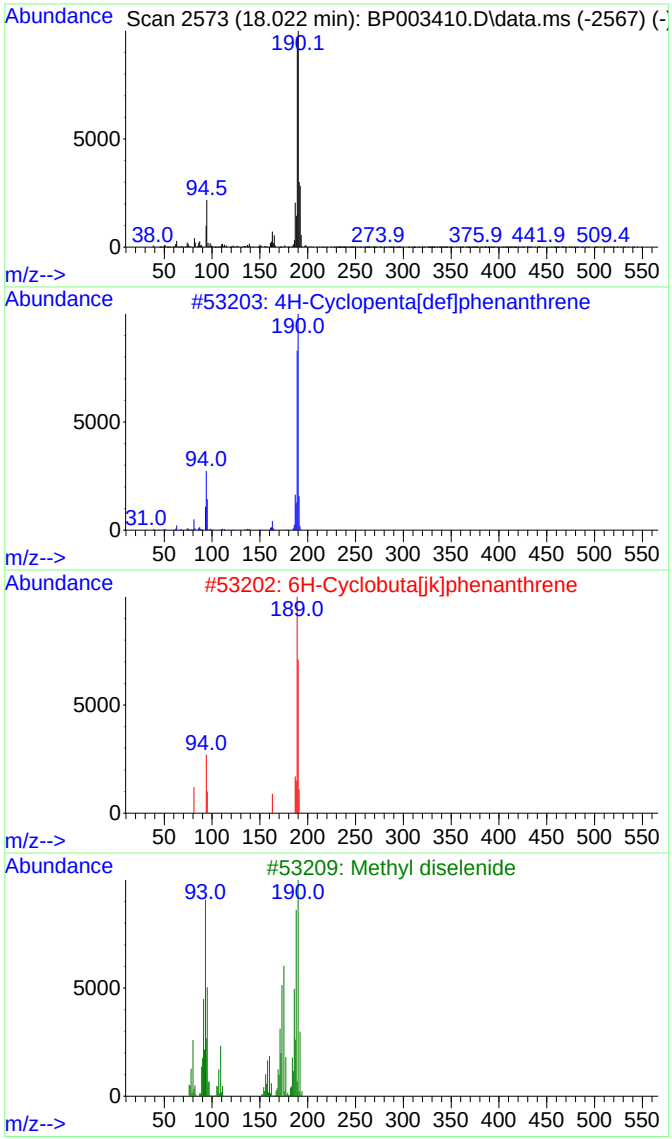
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

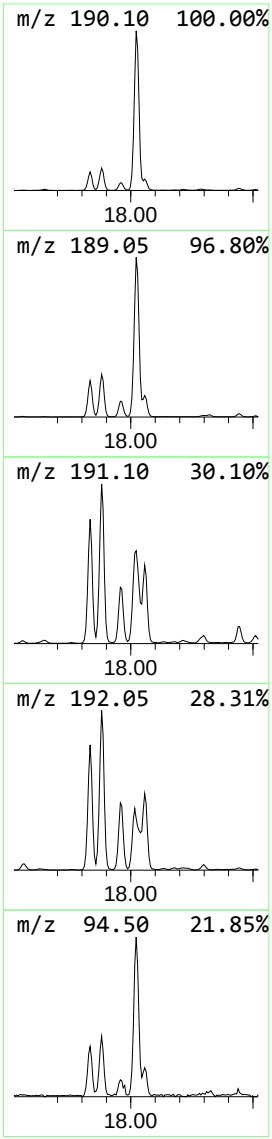
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.022 | 30.17 ng | 1880760 | Phenanthrene-d10 | 16.957 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 93 |
| 2 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 64 |
| 3 | Methyl diselenide | 190 | C2H6Se2 | 007101-31-7 | 55 |
| 4 | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2 | 007072-01-7 | 50 |
| 5 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 45 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003410.D
Acq On : 29 Sep 2020 21:20
Operator : CG/JU
Sample : L4172-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-6(7-9)

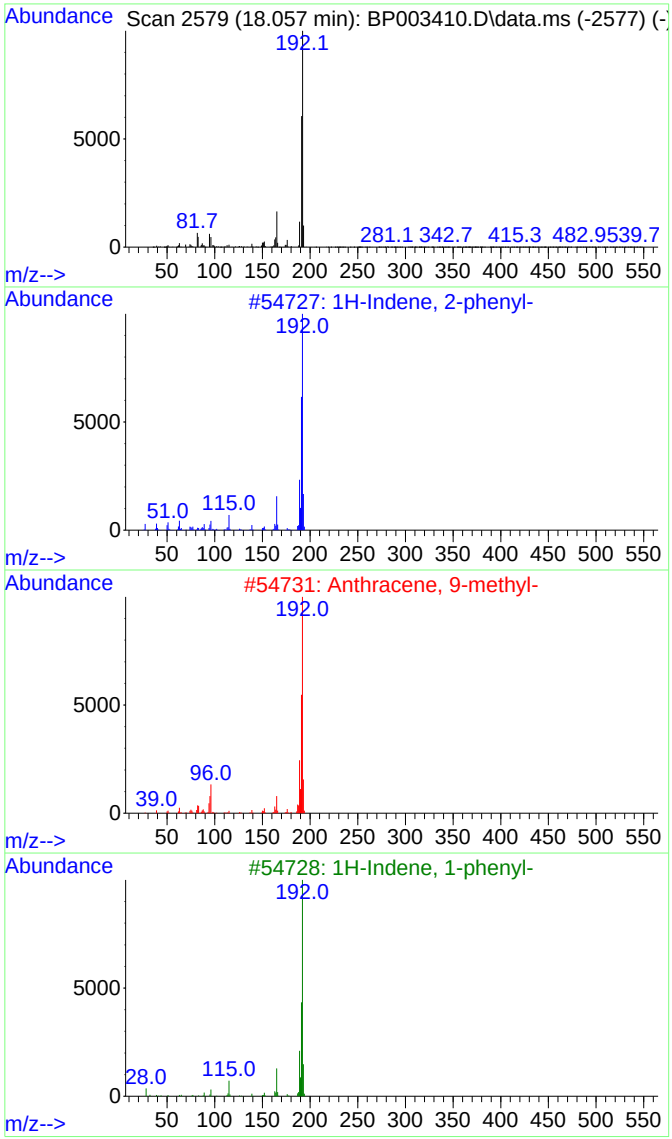
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

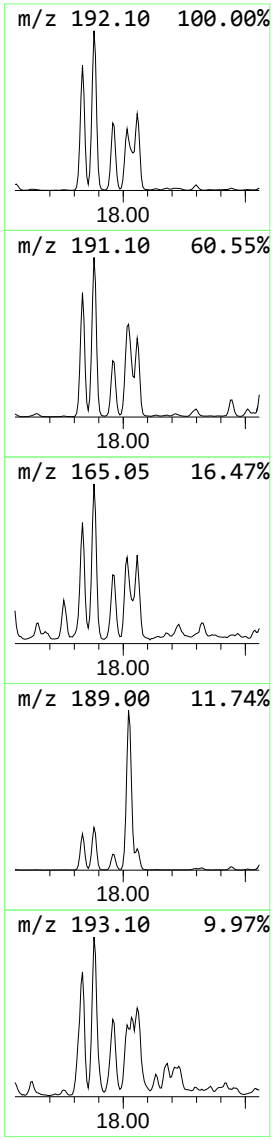
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 1H-Indene, 2-phenyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.057 | 7.89 ng | 491971 | Phenanthrene-d10 | 16.957 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 72 |
| 2 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 72 |
| 3 | 1H-Indene, 1-phenyl- | 192 | C15H12 | 001961-96-2 | 72 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 72 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003410.D
Acq On : 29 Sep 2020 21:20
Operator : CG/JU
Sample : L4172-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-6(7-9)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

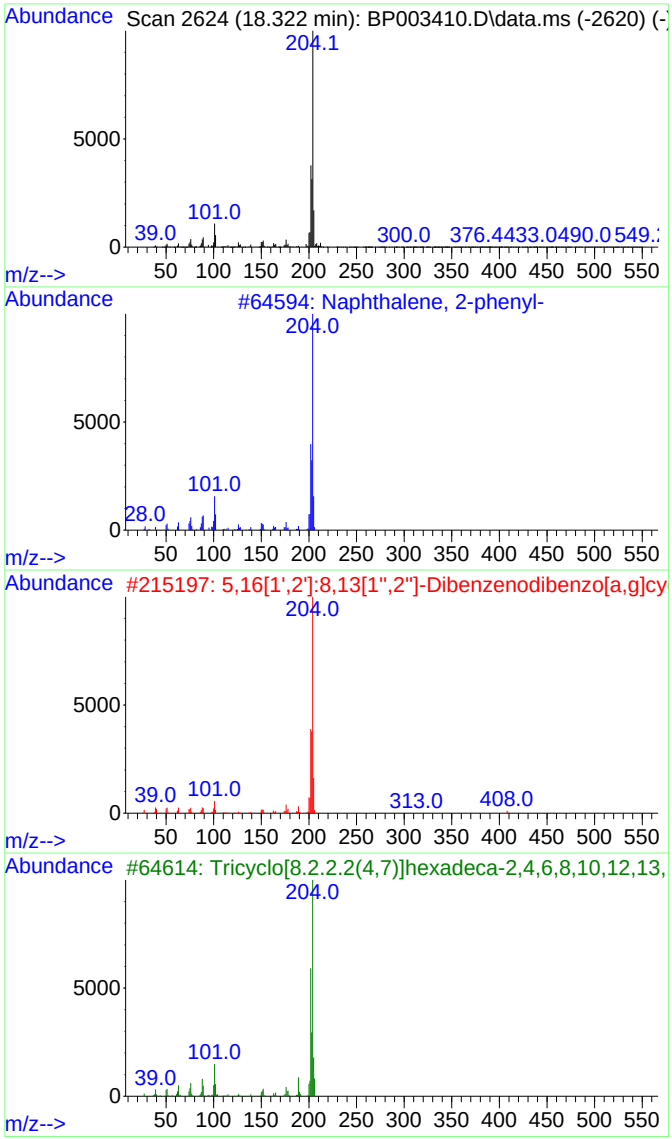
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

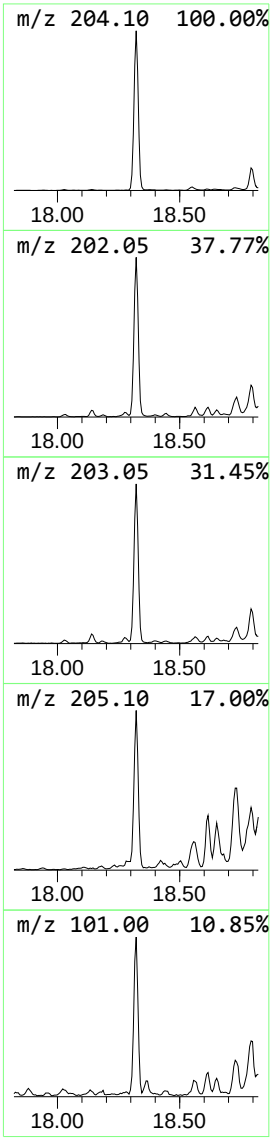
**********

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.322 | 11.17 ng | 696416 | Phenanthrene-d10 | 16.957 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 90 |
| 2 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 87 |
| 3 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 83 |
| 4 | Naphthalene, 1-phenyl- | 204 | C16H12 | 000605-02-7 | 58 |
| 5 | Levamisole | 204 | C11H12N2S | 014769-73-4 | 58 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003410.D
Acq On : 29 Sep 2020 21:20
Operator : CG/JU
Sample : L4172-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-6(7-9)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

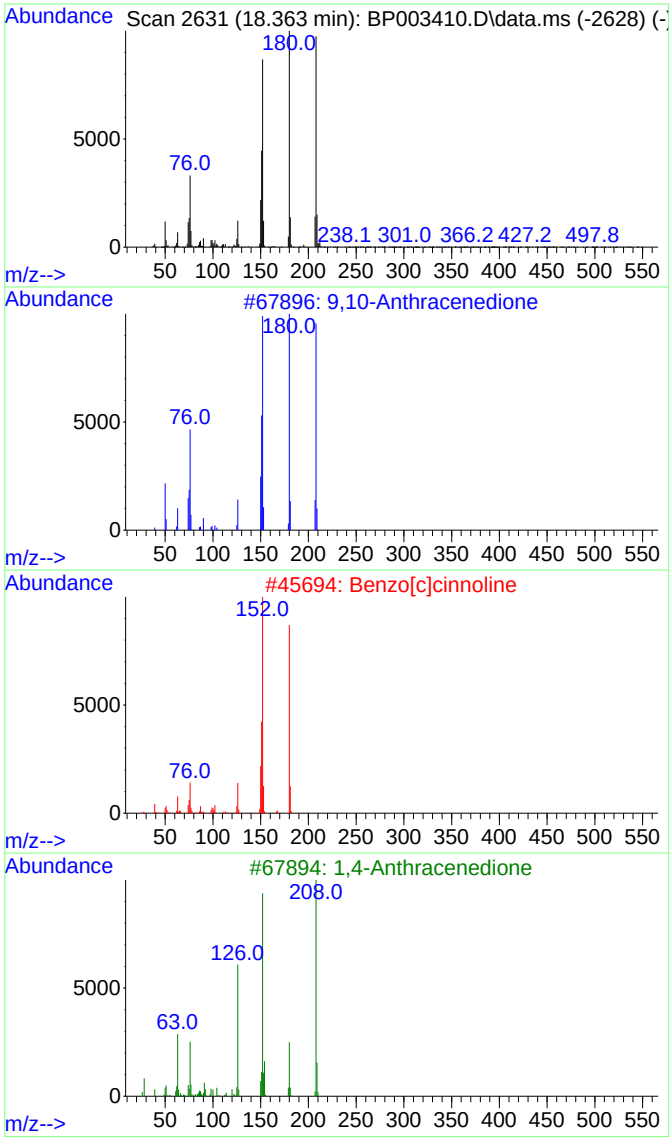
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

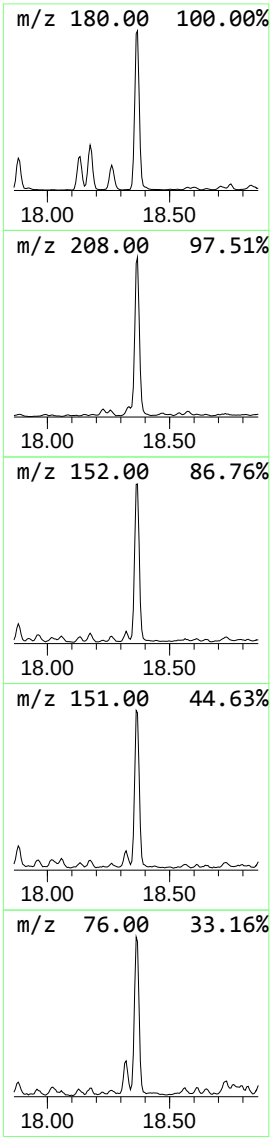
**********

Peak Number 12 9,10-Anthracenedione Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.363 | 12.18 ng | 759114 | Phenanthrene-d10 | 16.957 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 96 |
| 2 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 96 |
| 3 | 1,4-Anthracenedione | 208 | C14H8O2 | 000635-12-1 | 64 |
| 4 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 60 |
| 5 | Benzo[h]cinnoline | 180 | C12H8N2 | 000230-31-9 | 60 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003410.D
Acq On : 29 Sep 2020 21:20
Operator : CG/JU
Sample : L4172-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-6(7-9)

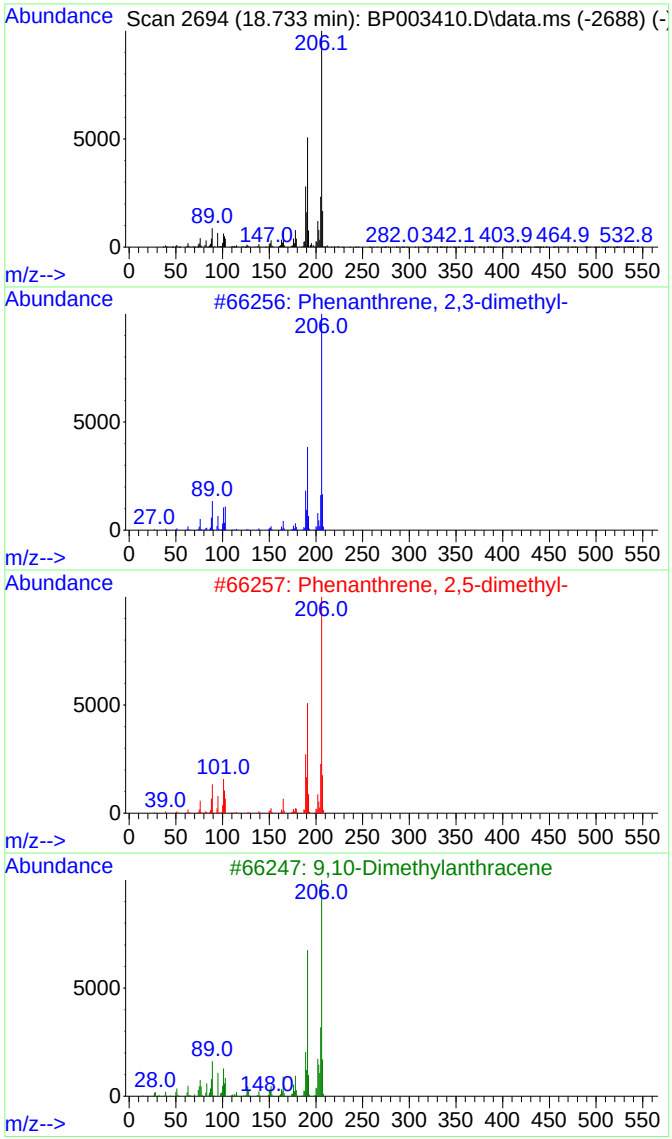
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

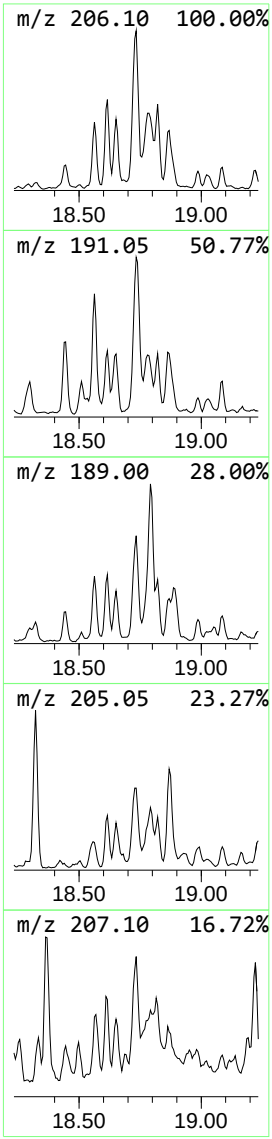
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Phenanthrene, 2,3-dimethyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.733 | 7.72 ng | 481144 | Phenanthrene-d10 | 16.957 |

| 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 | 94 |
| 3 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 91 |
| 4 | Phenanthrene, 2,7-dimethyl- | 206 | C16H14 | 001576-69-8 | 87 |
| 5 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 86 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003410.D
Acq On : 29 Sep 2020 21:20
Operator : CG/JU
Sample : L4172-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-6(7-9)

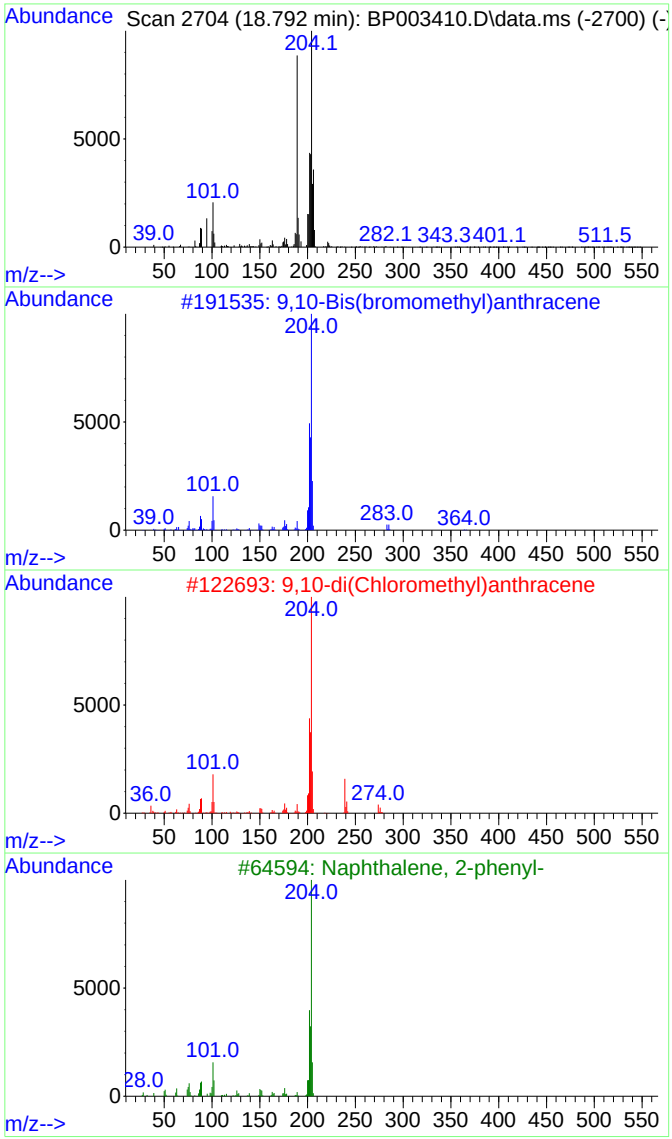
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

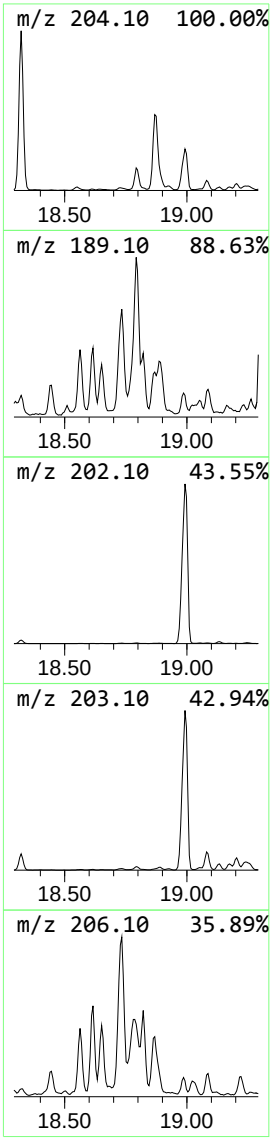
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 9,10-Bis(bromomethyl)anthra... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.792 | 5.72 ng | 356298 | Phenanthrene-d10 | 16.957 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 58 |
| 2 | 9,10-di(Chloromethyl)anthracene | 274 | C16H12Cl2 | 010387-13-0 | 52 |
| 3 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 50 |
| 4 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 50 |
| 5 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 47 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003410.D
Acq On : 29 Sep 2020 21:20
Operator : CG/JU
Sample : L4172-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-6(7-9)

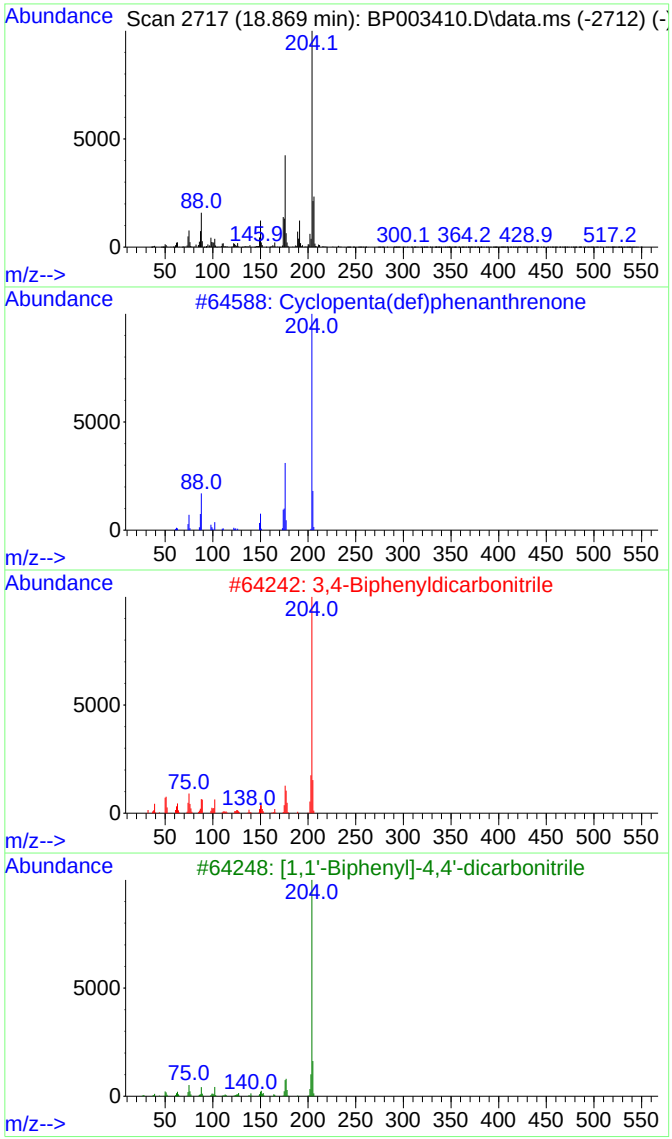
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

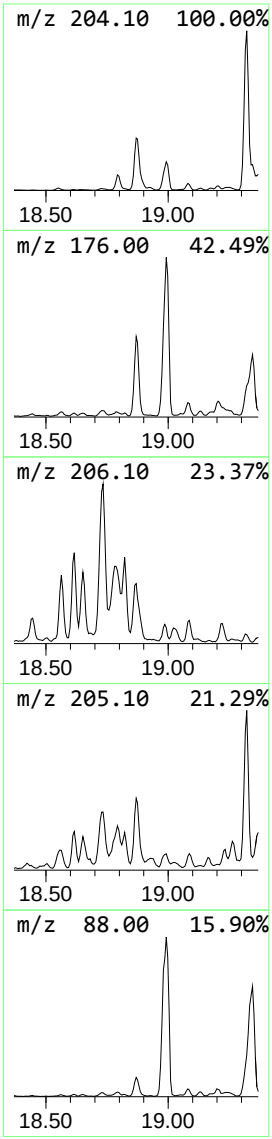
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.869 | 9.44 ng | 588242 | Phenanthrene-d10 | 16.957 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 97 |
| 2 | 3,4-Biphenyldicarbonitrile | 204 | C14H8N2 | 004128-63-6 | 53 |
| 3 | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2 | 001591-30-6 | 52 |
| 4 | [1,1'-Biphenyl]-2,2'-dicarbonitrile | 204 | C14H8N2 | 004341-02-0 | 47 |
| 5 | Acetamide, 2-(3,4-dihydro-1-isoq... | 332 | C17H14F2N2OS | 1000270-76-1 | 40 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003410.D
Acq On : 29 Sep 2020 21:20
Operator : CG/JU
Sample : L4172-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** B-6(7-9)

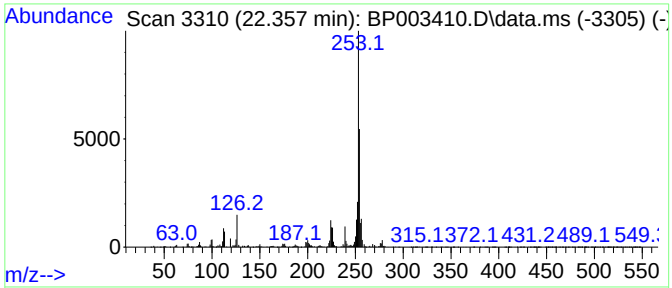
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

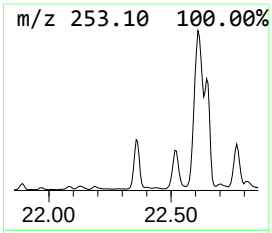
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

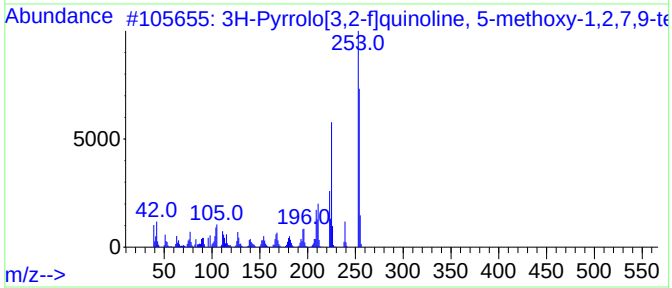
**********
Peak Number 16 3H-Pyrrolo[3,2-f]quinoline,... Concentration Rank 10

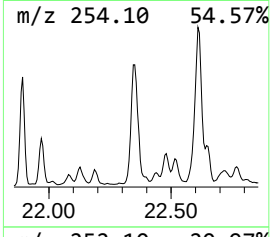
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.357 | 8.26 ng | 799198 | Perylene-d12 | 23.263 |

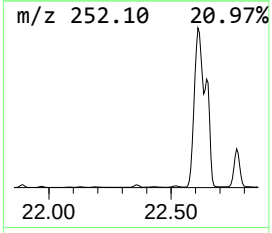
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3H-Pyrrolo[3,2-f]quinoline, 5-me... | 254 | C16H18N2O | 1000350-44-1 | 64 |
| 2 | 7,12-Dihydrobenzo[k]fluoranthene | 254 | C20H14 | 1000080-17-7 | 64 |
| 3 | 9,10[1',2']-Benzenoanthracene, 9... | 254 | C20H14 | 000477-75-8 | 60 |
| 4 | 9H-Fluorene, 9-(phenylmethylene)- | 254 | C20H14 | 001836-87-9 | 59 |
| 5 | 1,2-Dihydrobenzo[b]fluoranthene | 254 | C20H14 | 100516-13-0 | 50 |

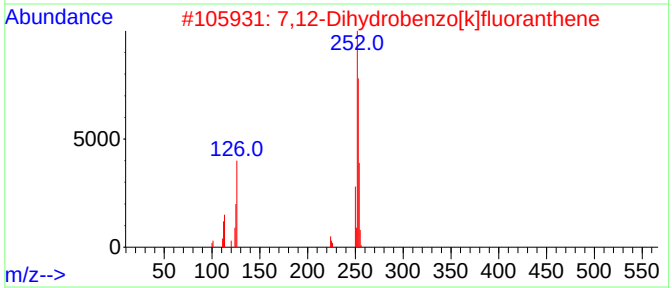


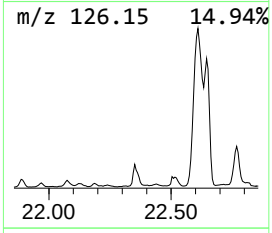



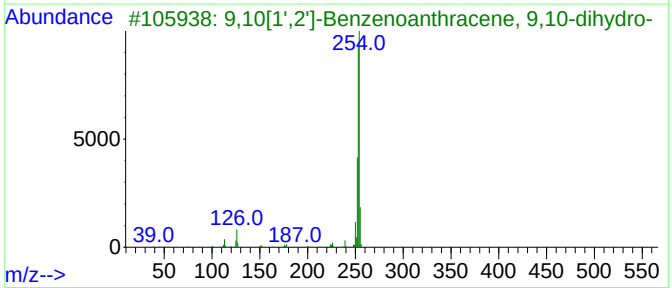



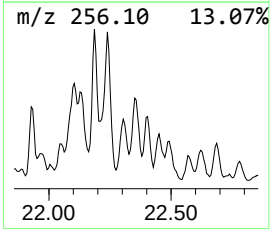



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003410.D
Acq On : 29 Sep 2020 21:20
Operator : CG/JU
Sample : L4172-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** B-6(7-9)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

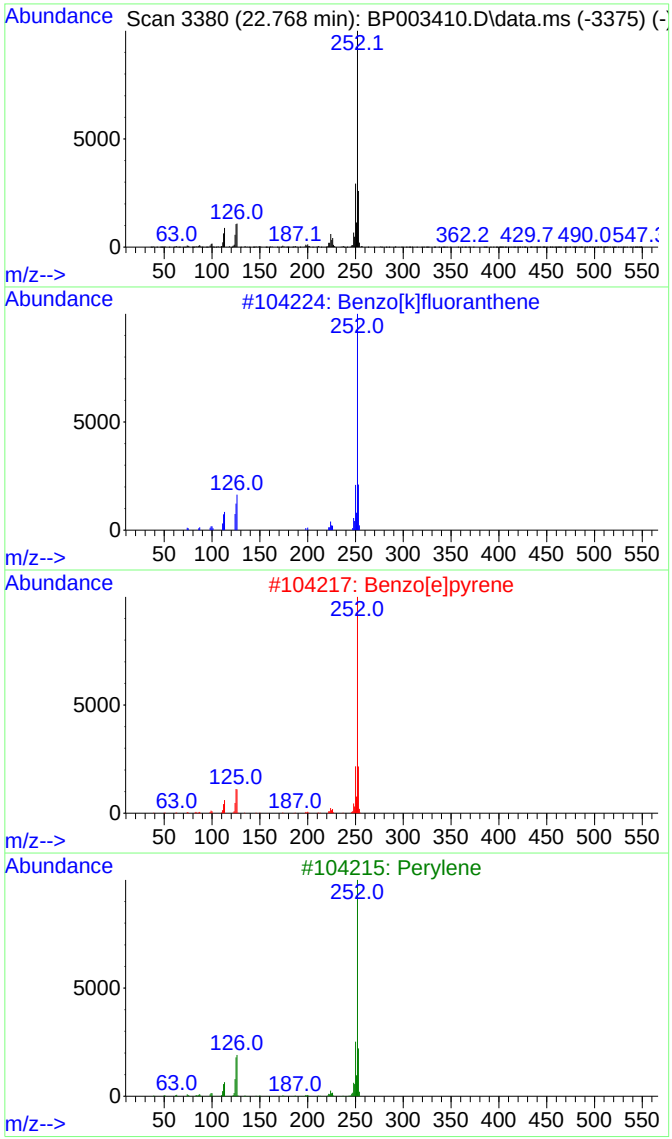
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

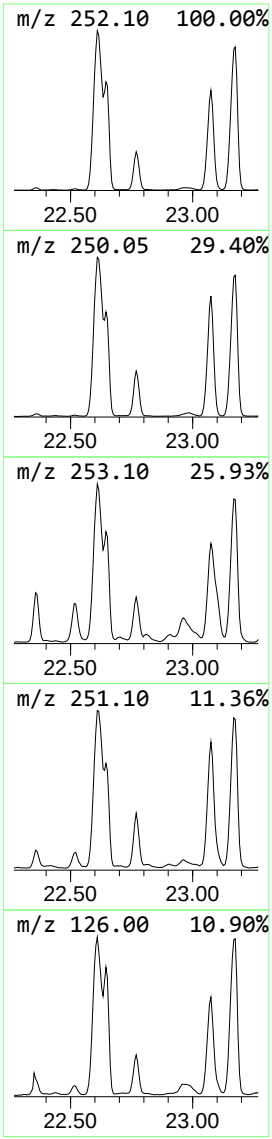
**********

Peak Number 17 Benzo[e]pyrene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.769 | 15.04 ng | 1456020 | Perylene-d12 | 23.263 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 98 |
| 2 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 97 |
| 3 | Perylene | 252 | C20H12 | 000198-55-0 | 93 |
| 4 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 93 |
| 5 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003410.D
Acq On : 29 Sep 2020 21:20
Operator : CG/JU
Sample : L4172-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-6(7-9)

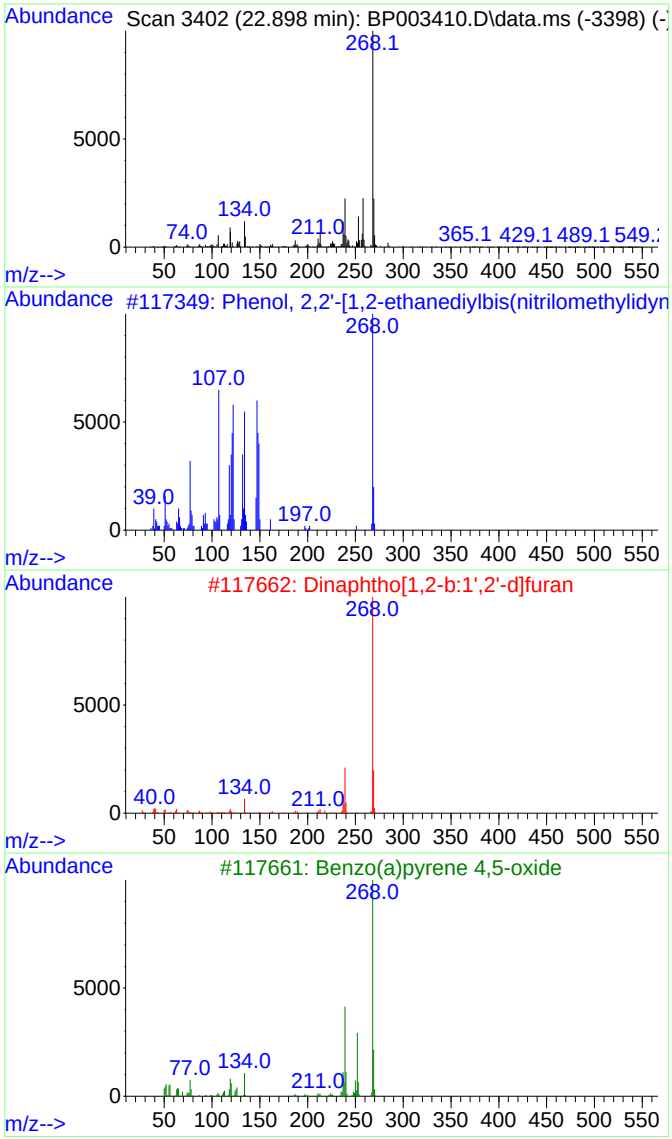
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

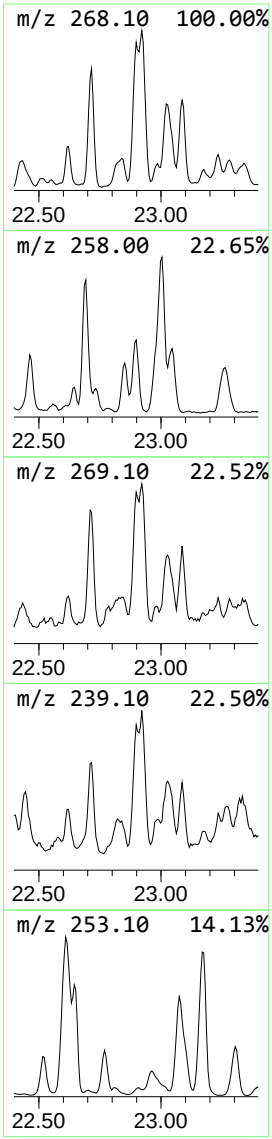
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 Phenol, 2,2'-[1,2-ethanediy... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.898 | 5.59 ng | 540890 | Perylene-d12 | 23.263 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2,2'-[1,2-ethanediylbis(... | 268 | C16H16N2O2 | 000094-93-9 | 87 |
| 2 | Dinaphtho[1,2-b:1',2'-d]furan | 268 | C20H12O | 000207-93-2 | 81 |
| 3 | Benzo(a)pyrene 4,5-oxide | 268 | C20H12O | 037574-47-3 | 62 |
| 4 | Naphthalene, 1-(2-naphthalenylme... | 268 | C21H16 | 000611-48-3 | 53 |
| 5 | Pyrrolo[3,2-f]quinolin-9-one, 1,... | 268 | C17H20N2O | 1000302-73-3 | 52 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003410.D
Acq On : 29 Sep 2020 21:20
Operator : CG/JU
Sample : L4172-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-6(7-9)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

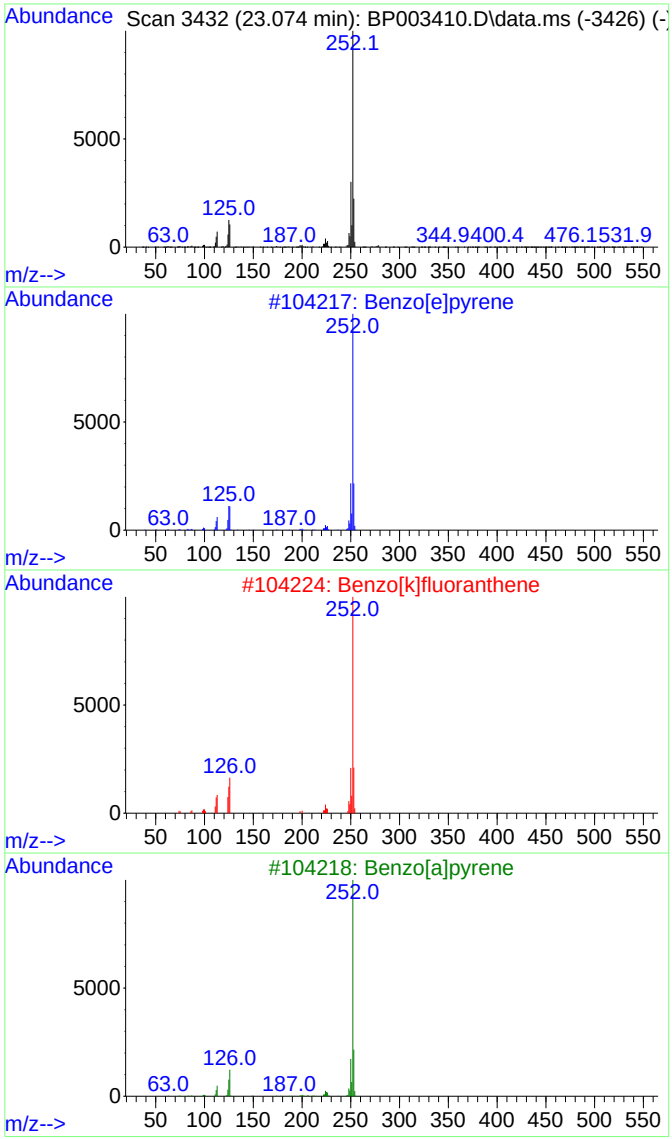
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

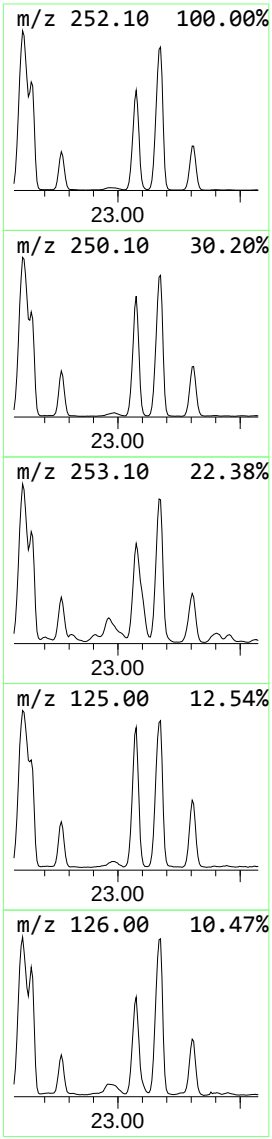
**********

Peak Number 19 Perylene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.074 | 48.46 ng | 4691410 | Perylene-d12 | 23.263 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 99 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 97 |
| 3 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 96 |
| 4 | Perylene | 252 | C20H12 | 000198-55-0 | 95 |
| 5 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 94 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003410.D
Acq On : 29 Sep 2020 21:20
Operator : CG/JU
Sample : L4172-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-6(7-9)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

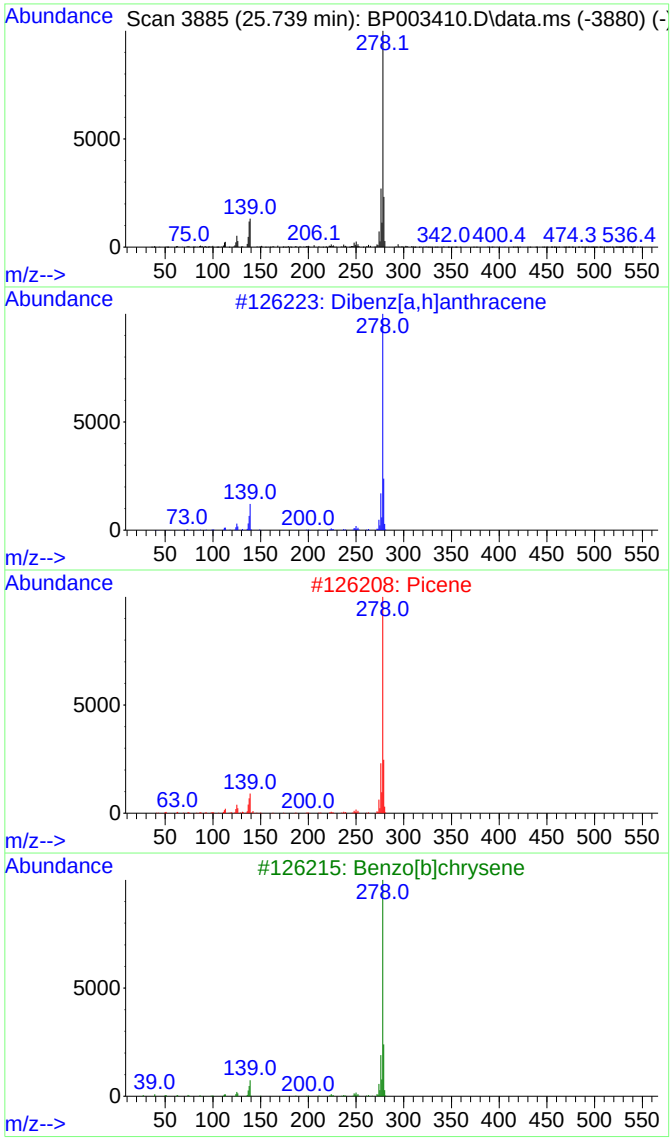
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

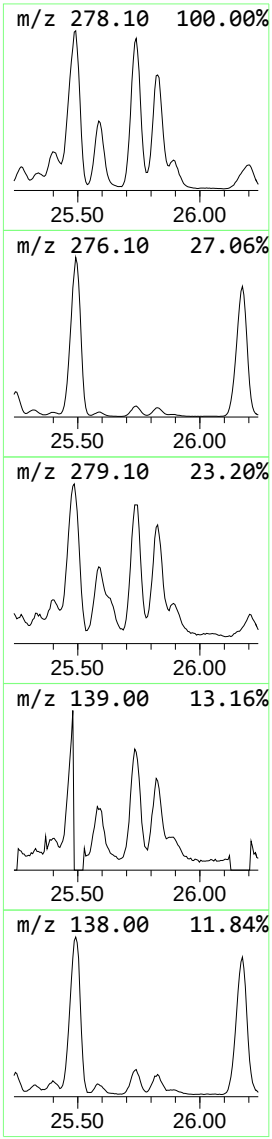
**********

Peak Number 20 Picene Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.739 | 7.68 ng | 743643 | Perylene-d12 | 23.263 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenz[a,h]anthracene | 278 | C22H14 | 000053-70-3 | 99 |
| 2 | Picene | 278 | C22H14 | 000213-46-7 | 99 |
| 3 | Benzo[b]chrysene | 278 | C22H14 | 000214-17-5 | 98 |
| 4 | Benzo[b]triphenylene | 278 | C22H14 | 000215-58-7 | 98 |
| 5 | Pentaphene | 278 | C22H14 | 000222-93-5 | 96 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003410.D
Acq On : 29 Sep 2020 21:20
Operator : CG/JU
Sample : L4172-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** B-6(7-9)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| [1,1'-Biphenyl]... | 15.551 | 4.6 | ng | 229317 | 3 | 14.198 | 1006570 | 20.0 |
| 9H-Fluorene, 2-... | 16.263 | 4.6 | ng | 287802 | 4 | 16.957 | 1246610 | 20.0 |
| 9H-Fluoren-9-one | 16.616 | 6.9 | ng | 429473 | 4 | 16.957 | 1246610 | 20.0 |
| Naphtho[2,3-b]t... | 16.769 | 9.4 | ng | 585285 | 4 | 16.957 | 1246610 | 20.0 |
| Acridine | 17.151 | 4.3 | ng | 269997 | 4 | 16.957 | 1246610 | 20.0 |
| Phenanthrene, 2... | 17.833 | 14.2 | ng | 885315 | 4 | 16.957 | 1246610 | 20.0 |
| Phenanthrene, 1... | 17.881 | 20.1 | ng | 1252730 | 4 | 16.957 | 1246610 | 20.0 |
| 1H-Cyclopropa[1... | 17.957 | 8.0 | ng | 498759 | 4 | 16.957 | 1246610 | 20.0 |
| 4H-Cyclopenta[d... | 18.022 | 30.2 | ng | 1880760 | 4 | 16.957 | 1246610 | 20.0 |
| 1H-Indene, 2-ph... | 18.057 | 7.9 | ng | 491971 | 4 | 16.957 | 1246610 | 20.0 |
| Naphthalene, 2-... | 18.322 | 11.2 | ng | 696416 | 4 | 16.957 | 1246610 | 20.0 |
| 9,10-Anthracene... | 18.363 | 12.2 | ng | 759114 | 4 | 16.957 | 1246610 | 20.0 |
| Phenanthrene, 2... | 18.733 | 7.7 | ng | 481144 | 4 | 16.957 | 1246610 | 20.0 |
| 9,10-Bis(bromom... | 18.792 | 5.7 | ng | 356298 | 4 | 16.957 | 1246610 | 20.0 |
| Cyclopenta(def)... | 18.869 | 9.4 | ng | 588242 | 4 | 16.957 | 1246610 | 20.0 |
| 3H-Pyrrolo[3,2-... | 22.357 | 8.3 | ng | 799198 | 6 | 23.263 | 1936040 | 20.0 |
| Benzo[e]pyrene | 22.769 | 15.0 | ng | 1456020 | 6 | 23.263 | 1936040 | 20.0 |
| Phenol, 2,2'-[1... | 22.898 | 5.6 | ng | 540890 | 6 | 23.263 | 1936040 | 20.0 |
| Perylene | 23.074 | 48.5 | ng | 4691410 | 6 | 23.263 | 1936040 | 20.0 |
| Picene | 25.739 | 7.7 | ng | 743643 | 6 | 23.263 | 1936040 | 20.0 |