LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003420.D
Acq On : 30 Sep 2020 18:55
Operator : CG/JU
Sample : L4179-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** B-9(12-14)

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: BP003420.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.152 | 379 | 385 | 406 | rBV | 1374431 | 2203376 | 19.85% | 1.814% |
| 2 | 6.746 | 649 | 656 | 683 | rVB | 1273681 | 2237446 | 20.15% | 1.842% |
| 3 | 7.534 | 782 | 790 | 801 | rBV | 478572 | 770590 | 6.94% | 0.635% |
| 4 | 8.687 | 979 | 986 | 999 | rBV | 930645 | 1545607 | 13.92% | 1.273% |
| 5 | 10.316 | 1253 | 1263 | 1267 | rBV | 612776 | 1063067 | 9.57% | 0.875% |
| 6 | 10.363 | 1267 | 1271 | 1281 | rVB | 185336 | 317301 | 2.86% | 0.261% |
| 7 | 11.993 | 1541 | 1548 | 1556 | rVB | 91165 | 160636 | 1.45% | 0.132% |
| 8 | 12.210 | 1580 | 1585 | 1590 | rBV | 72490 | 111860 | 1.01% | 0.092% |
| 9 | 12.804 | 1680 | 1686 | 1704 | rVB | 2358549 | 3595246 | 32.38% | 2.960% |
| 10 | 13.510 | 1801 | 1806 | 1811 | rBV | 77579 | 133090 | 1.20% | 0.110% |
| 11 | 13.651 | 1821 | 1830 | 1836 | rBV2 | 361178 | 570836 | 5.14% | 0.470% |
| 12 | 13.910 | 1868 | 1874 | 1881 | rBV | 639723 | 949153 | 8.55% | 0.782% |
| 13 | 14.193 | 1916 | 1922 | 1928 | rVB | 929763 | 1388948 | 12.51% | 1.144% |
| 14 | 14.257 | 1928 | 1933 | 1941 | rVB | 406571 | 596650 | 5.37% | 0.491% |
| 15 | 14.598 | 1985 | 1991 | 2000 | rVV | 233359 | 387721 | 3.49% | 0.319% |
| 16 | 15.246 | 2096 | 2101 | 2108 | rBV | 491986 | 739992 | 6.67% | 0.609% |
| 17 | 15.546 | 2147 | 2152 | 2157 | rBV | 132287 | 194093 | 1.75% | 0.160% |
| 18 | 15.693 | 2168 | 2177 | 2186 | rBV | 1730872 | 2702944 | 24.35% | 2.226% |
| 19 | 15.934 | 2212 | 2218 | 2223 | rBV2 | 156748 | 273825 | 2.47% | 0.225% |
| 20 | 16.257 | 2266 | 2273 | 2278 | rBV3 | 126259 | 260335 | 2.34% | 0.214% |
| 21 | 16.493 | 2309 | 2313 | 2316 | rVV2 | 85794 | 115283 | 1.04% | 0.095% |
| 22 | 16.528 | 2316 | 2319 | 2323 | rVB3 | 104710 | 142817 | 1.29% | 0.118% |
| 23 | 16.610 | 2328 | 2333 | 2341 | rVV | 227734 | 362567 | 3.27% | 0.299% |
| 24 | 16.687 | 2341 | 2346 | 2352 | rVV3 | 122764 | 251147 | 2.26% | 0.207% |
| 25 | 16.763 | 2352 | 2359 | 2371 | rVB | 244402 | 464980 | 4.19% | 0.383% |
| 26 | 16.951 | 2385 | 2391 | 2394 | rBV | 1103318 | 1650479 | 14.87% | 1.359% |
| 27 | 16.992 | 2394 | 2398 | 2404 | rVV | 3987811 | 5992676 | 53.98% | 4.934% |
| 28 | 17.087 | 2405 | 2414 | 2419 | rVB | 1506896 | 2236397 | 20.14% | 1.841% |
| 29 | 17.145 | 2420 | 2424 | 2430 | rBV2 | 154542 | 252201 | 2.27% | 0.208% |
| 30 | 17.357 | 2451 | 2460 | 2465 | rBV2 | 483500 | 859635 | 7.74% | 0.708% |
| 31 | 17.404 | 2465 | 2468 | 2475 | rVV5 | 59531 | 135167 | 1.22% | 0.111% |
| 32 | 17.475 | 2476 | 2480 | 2486 | rVV3 | 172409 | 240174 | 2.16% | 0.198% |
| 33 | 17.540 | 2487 | 2491 | 2498 | rVV3 | 103590 | 181528 | 1.63% | 0.149% |
| 34 | 17.828 | 2534 | 2540 | 2544 | rBV | 670298 | 897183 | 8.08% | 0.739% |
| 35 | 17.875 | 2544 | 2548 | 2554 | rVB | 957044 | 1220616 | 10.99% | 1.005% |
| 36 | 17.951 | 2557 | 2561 | 2566 | rVB | 415493 | 569203 | 5.13% | 0.469% |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003420.D
Acq On : 30 Sep 2020 18:55
Operator : CG/JU
Sample : L4179-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** B-9(12-14)

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 | 18.016 | 2566 | 2572 | 2576 | rBV2 | 1202394 | 1991310 | 17.94% | 1.640% |
| 38 | 18.051 | 2576 | 2578 | 2586 | rVB | 463149 | 577474 | 5.20% | 0.475% |
| 39 | 18.128 | 2587 | 2591 | 2595 | rBV3 | 108320 | 176432 | 1.59% | 0.145% |
| 40 | 18.169 | 2595 | 2598 | 2603 | rVB2 | 109292 | 159327 | 1.44% | 0.131% |
| 41 | 18.222 | 2603 | 2607 | 2610 | rBV4 | 77467 | 126301 | 1.14% | 0.104% |
| 42 | 18.316 | 2619 | 2623 | 2627 | rVB | 547516 | 622818 | 5.61% | 0.513% |
| 43 | 18.369 | 2627 | 2632 | 2637 | rVB | 370850 | 502707 | 4.53% | 0.414% |
| 44 | 18.557 | 2660 | 2664 | 2669 | rVB2 | 149935 | 200403 | 1.81% | 0.165% |
| 45 | 18.610 | 2669 | 2673 | 2676 | rBV | 174037 | 194984 | 1.76% | 0.161% |
| 46 | 18.645 | 2676 | 2679 | 2683 | rVB | 149369 | 194810 | 1.75% | 0.160% |
| 47 | 18.728 | 2687 | 2693 | 2697 | rBV | 375831 | 627262 | 5.65% | 0.516% |
| 48 | 18.787 | 2697 | 2703 | 2706 | rVV3 | 287733 | 561943 | 5.06% | 0.463% |
| 49 | 18.816 | 2706 | 2708 | 2712 | rVV | 169319 | 179958 | 1.62% | 0.148% |
| 50 | 18.869 | 2712 | 2717 | 2724 | rVB2 | 426011 | 769066 | 6.93% | 0.633% |
| 51 | 18.986 | 2730 | 2737 | 2742 | rBV | 6694344 | 10203753 | 91.90% | 8.402% |
| 52 | 19.051 | 2744 | 2748 | 2750 | rVV | 117493 | 135168 | 1.22% | 0.111% |
| 53 | 19.081 | 2750 | 2753 | 2757 | rVV | 216811 | 269498 | 2.43% | 0.222% |
| 54 | 19.134 | 2757 | 2762 | 2765 | rVB | 306125 | 387172 | 3.49% | 0.319% |
| 55 | 19.216 | 2772 | 2776 | 2779 | rBV2 | 228685 | 276084 | 2.49% | 0.227% |
| 56 | 19.339 | 2787 | 2797 | 2805 | rBV2 | 5908182 | 11102649 | 100.00% | 9.142% |
| 57 | 19.410 | 2805 | 2809 | 2816 | rVB2 | 369630 | 555943 | 5.01% | 0.458% |
| 58 | 19.539 | 2822 | 2831 | 2835 | rBV2 | 3523861 | 5175686 | 46.62% | 4.262% |
| 59 | 19.581 | 2835 | 2838 | 2843 | rVB | 498126 | 692237 | 6.23% | 0.570% |
| 60 | 19.669 | 2845 | 2853 | 2857 | rBV2 | 524426 | 1319481 | 11.88% | 1.086% |
| 61 | 19.710 | 2858 | 2860 | 2864 | rVB | 138101 | 145674 | 1.31% | 0.120% |
| 62 | 19.792 | 2868 | 2874 | 2875 | rBV3 | 418292 | 636210 | 5.73% | 0.524% |
| 63 | 19.828 | 2876 | 2880 | 2884 | rVB | 1374874 | 1832663 | 16.51% | 1.509% |
| 64 | 19.922 | 2892 | 2896 | 2900 | rBV | 1042978 | 1265566 | 11.40% | 1.042% |
| 65 | 19.981 | 2900 | 2906 | 2909 | rBV3 | 714131 | 1197462 | 10.79% | 0.986% |
| 66 | 20.057 | 2916 | 2919 | 2924 | rBV2 | 177485 | 227324 | 2.05% | 0.187% |
| 67 | 20.116 | 2925 | 2929 | 2932 | rVV | 424237 | 513782 | 4.63% | 0.423% |
| 68 | 20.157 | 2932 | 2936 | 2941 | rVB | 415043 | 586445 | 5.28% | 0.483% |
| 69 | 20.251 | 2949 | 2952 | 2954 | rBV3 | 98454 | 122847 | 1.11% | 0.101% |
| 70 | 20.281 | 2954 | 2957 | 2962 | rVB | 183087 | 252330 | 2.27% | 0.208% |
| 71 | 20.369 | 2969 | 2972 | 2975 | rBV4 | 88673 | 115258 | 1.04% | 0.095% |
| 72 | 20.404 | 2975 | 2978 | 2981 | rVV2 | 135911 | 193741 | 1.74% | 0.160% |
| 73 | 20.439 | 2981 | 2984 | 2987 | rVB | 201712 | 245841 | 2.21% | 0.202% |
| 74 | 20.522 | 2995 | 2998 | 3002 | rBV4 | 110686 | 171621 | 1.55% | 0.141% |
| 75 | 20.563 | 3002 | 3005 | 3010 | rVB | 595208 | 754730 | 6.80% | 0.621% |
| 76 | 20.722 | 3027 | 3032 | 3034 | rBV2 | 745084 | 994650 | 8.96% | 0.819% |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003420.D
Acq On : 30 Sep 2020 18:55
Operator : CG/JU
Sample : L4179-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-9(12-14)

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 | 20.751 | 3034 | 3037 | 3041 | rVV | 844685 | 1104763 | 9.95% | 0.910% |
| 78 | 20.792 | 3041 | 3044 | 3053 | rVV3 | 999738 | 2052960 | 18.49% | 1.690% |
| 79 | 20.869 | 3053 | 3057 | 3064 | rVB | 648355 | 999174 | 9.00% | 0.823% |
| 80 | 20.957 | 3069 | 3072 | 3080 | rVB | 224727 | 400581 | 3.61% | 0.330% |
| 81 | 21.057 | 3081 | 3089 | 3095 | rBV2 | 3768048 | 8952815 | 80.64% | 7.372% |
| 82 | 21.110 | 3095 | 3098 | 3107 | rVB | 3069573 | 4755389 | 42.83% | 3.916% |
| 83 | 21.228 | 3113 | 3118 | 3125 | rBV | 779685 | 1116548 | 10.06% | 0.919% |
| 84 | 21.298 | 3125 | 3130 | 3136 | rBV3 | 386982 | 772231 | 6.96% | 0.636% |
| 85 | 21.351 | 3136 | 3139 | 3141 | rBV | 194031 | 236087 | 2.13% | 0.194% |
| 86 | 21.563 | 3172 | 3175 | 3178 | rBV | 151724 | 205536 | 1.85% | 0.169% |
| 87 | 21.622 | 3179 | 3185 | 3189 | rBV | 636927 | 1161687 | 10.46% | 0.957% |
| 88 | 21.822 | 3215 | 3219 | 3229 | rVB3 | 416811 | 1105756 | 9.96% | 0.910% |
| 89 | 22.669 | 3353 | 3363 | 3384 | rVB | 2219598 | 9601341 | 86.48% | 7.906% |
| 90 | 23.163 | 3439 | 3447 | 3456 | rBV | 842256 | 2942952 | 26.51% | 2.423% |
| 91 | 23.269 | 3457 | 3465 | 3476 | rVB | 1275971 | 4007030 | 36.09% | 3.299% |

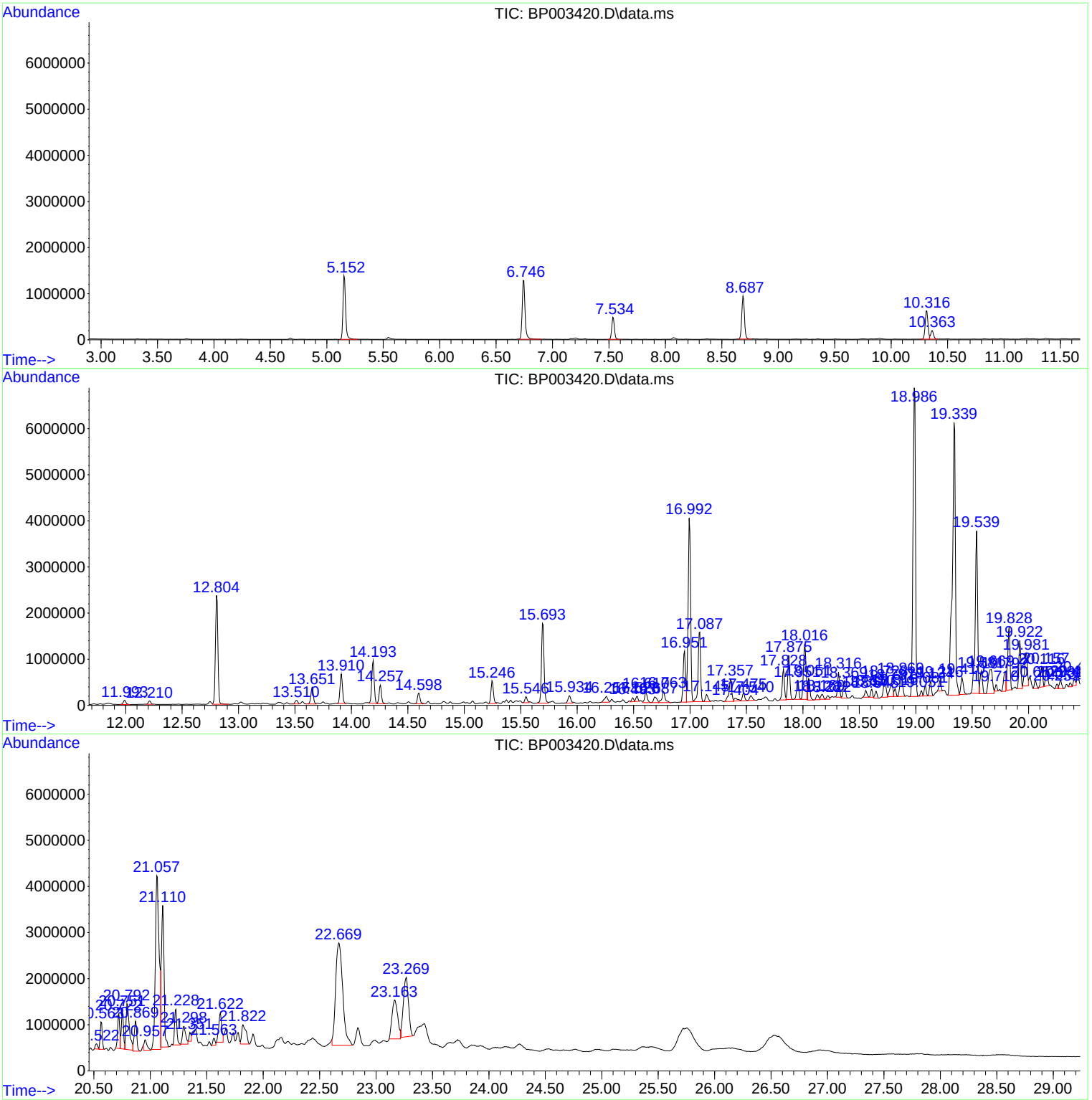
Sum of corrected areas: 121448229

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003420.D
Acq On : 30 Sep 2020 18:55
Operator : CG/JU
Sample : L4179-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-9(12-14)

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\BP093020\
Data File : BP003420.D
Acq On : 30 Sep 2020 18:55
Operator : CG/JU
Sample : L4179-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-9(12-14)

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

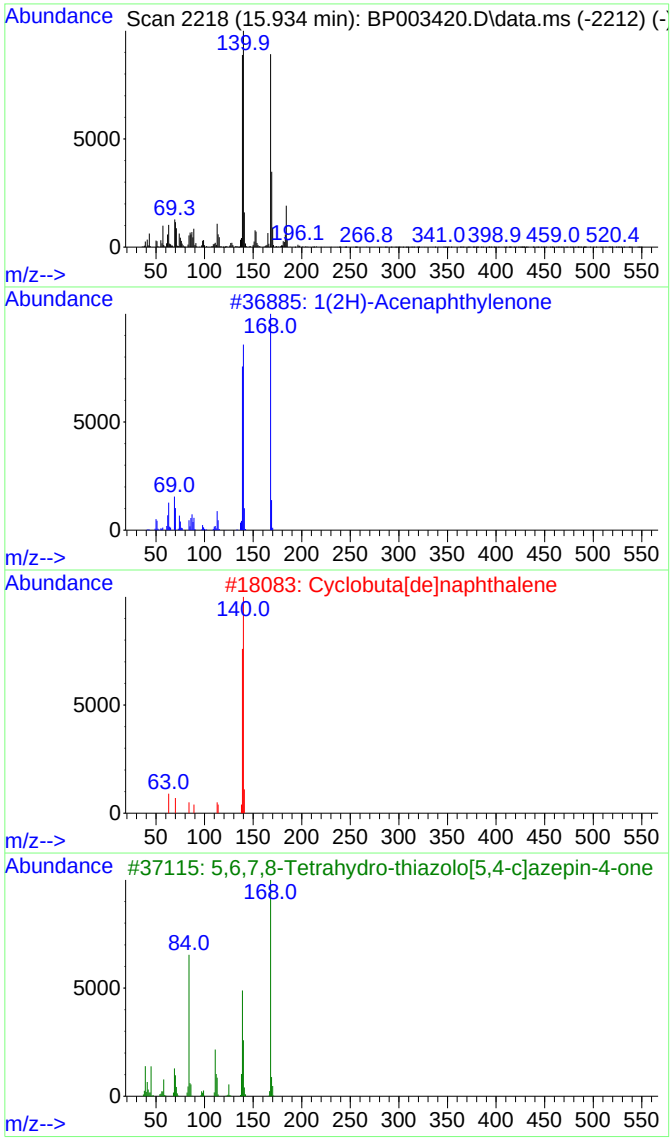
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

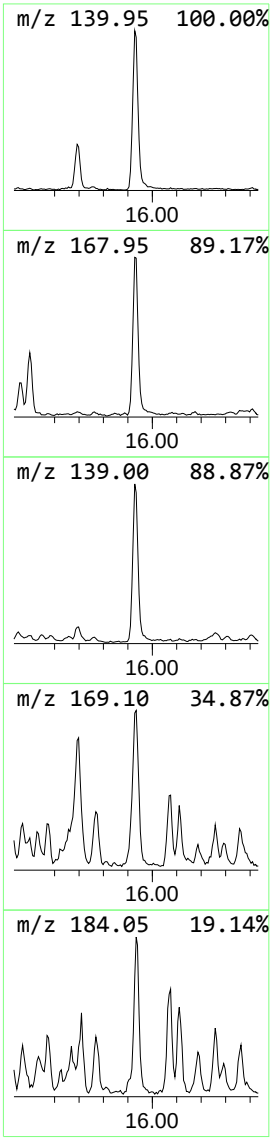
**********

Peak Number 1 1(2H)-Acenaphthylenone Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.934 | 3.32 ng | 273825 | Phenanthrene-d10 | 16.951 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1(2H)-Acenaphthylenone | 168 | C12H8O | 002235-15-6 | 94 |
| 2 | Cyclobuta[de]naphthalene | 140 | C11H8 | 024973-91-9 | 55 |
| 3 | 5,6,7,8-Tetrahydro-thiazolo[5,4-... | 168 | C7H8N2OS | 1000317-75-4 | 47 |
| 4 | Benzaldehyde, 4-fluoro-3-hydroxy- | 140 | C7H5FO2 | 103438-85-3 | 38 |
| 5 | Dibenzofuran | 168 | C12H8O | 000132-64-9 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003420.D
Acq On : 30 Sep 2020 18:55
Operator : CG/JU
Sample : L4179-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** B-9(12-14)

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

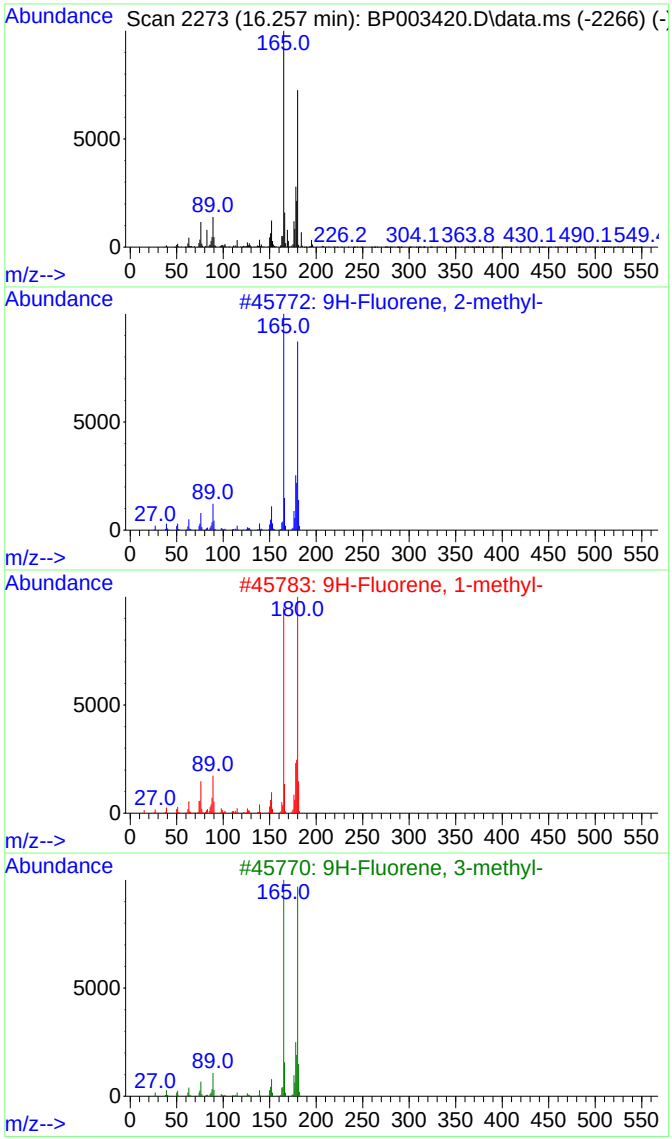
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

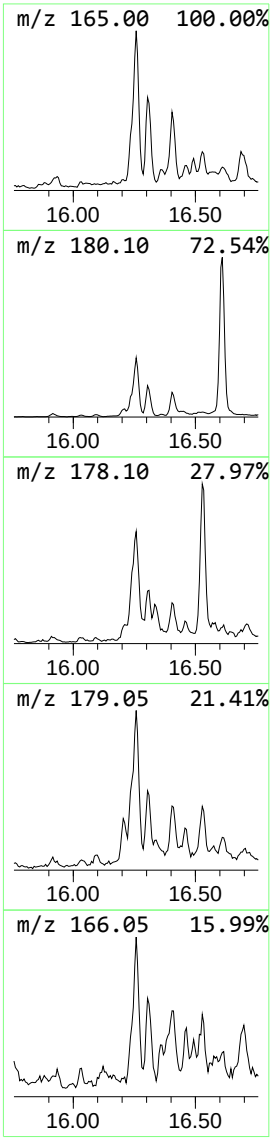
**********

Peak Number 2 9H-Fluorene, 2-methyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.257 | 3.15 ng | 260335 | Phenanthrene-d10 | 16.951 |

| 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 | 94 |
| 4 | 4a,9a-Methano-9H-fluorene | 180 | C14H12 | 019540-84-2 | 83 |
| 5 | (3H)Benzo[c]pyrrole, 3-methyl-3-... | 208 | C14H12N2 | 059341-20-7 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003420.D
Acq On : 30 Sep 2020 18:55
Operator : CG/JU
Sample : L4179-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-9(12-14)

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

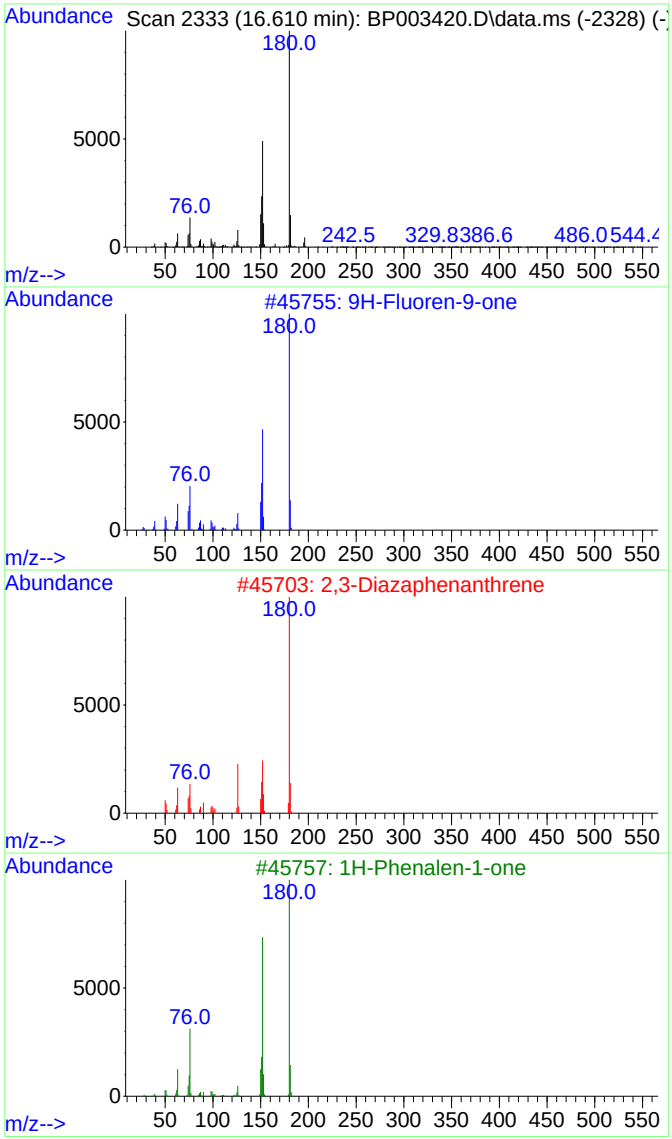
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

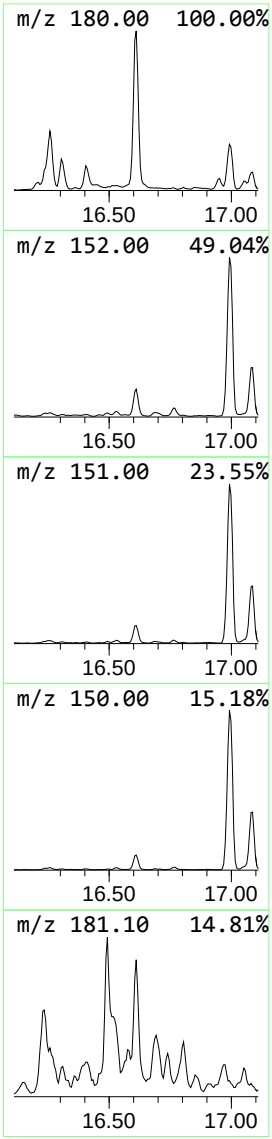
**********

Peak Number 3 9H-Fluoren-9-one Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.610 | 4.39 ng | 362567 | Phenanthrene-d10 | 16.951 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 94 |
| 2 | 2,3-Diazaphenanthrene | 180 | C12H8N2 | 000229-72-1 | 74 |
| 3 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 70 |
| 4 | 5-Methoxy-4-methyl-2,1,3-benzoth... | 180 | C8H8N2OS | 089976-68-1 | 47 |
| 5 | 1,7-Phenanthroline | 180 | C12H8N2 | 000230-46-6 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003420.D
Acq On : 30 Sep 2020 18:55
Operator : CG/JU
Sample : L4179-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-9(12-14)

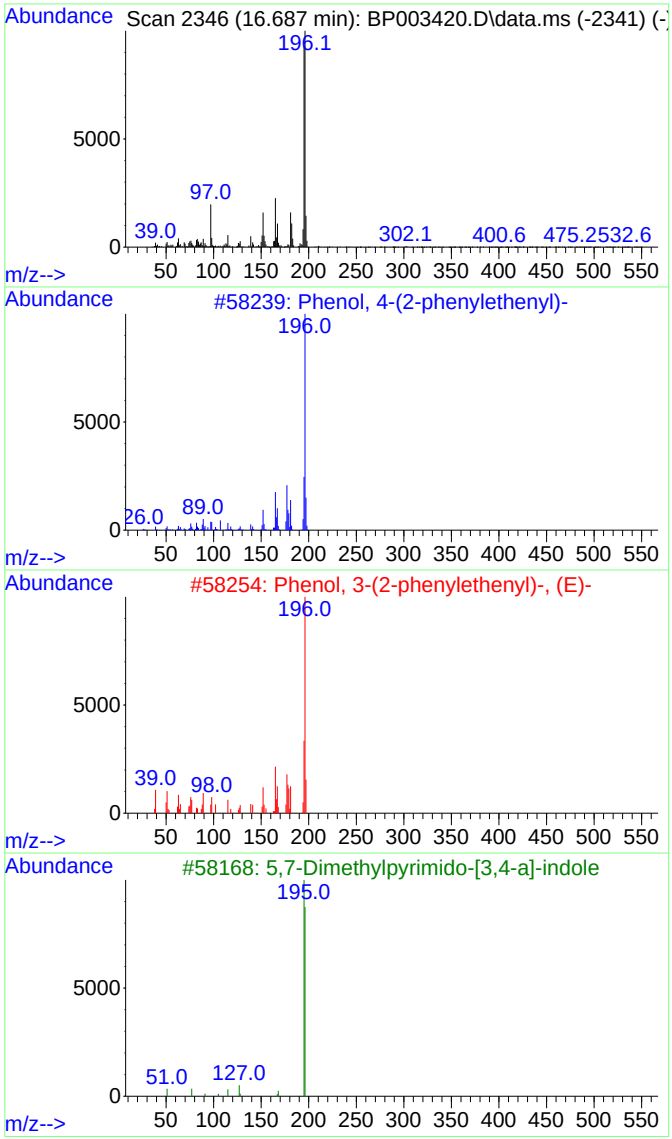
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

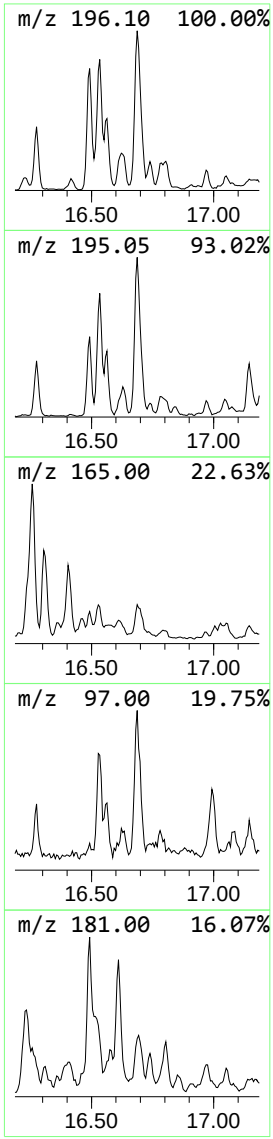
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Phenol, 4-(2-phenylethenyl)- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.687 | 3.04 ng | 251147 | Phenanthrene-d10 | 16.951 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 4-(2-phenylethenyl)- | 196 | C14H12O | 003839-46-1 | 58 |
| 2 | Phenol, 3-(2-phenylethenyl)-, (E)- | 196 | C14H12O | 017861-18-6 | 53 |
| 3 | 5,7-Dimethylpyrimido-[3,4-a]-indole | 196 | C13H12N2 | 038349-21-2 | 47 |
| 4 | Phenol, 4-(2-phenylethenyl)-, (E)- | 196 | C14H12O | 006554-98-9 | 46 |
| 5 | 9-Anthracenamine, 9,10-dihydro- | 195 | C14H13N | 097825-91-7 | 45 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003420.D
Acq On : 30 Sep 2020 18:55
Operator : CG/JU
Sample : L4179-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-9(12-14)

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

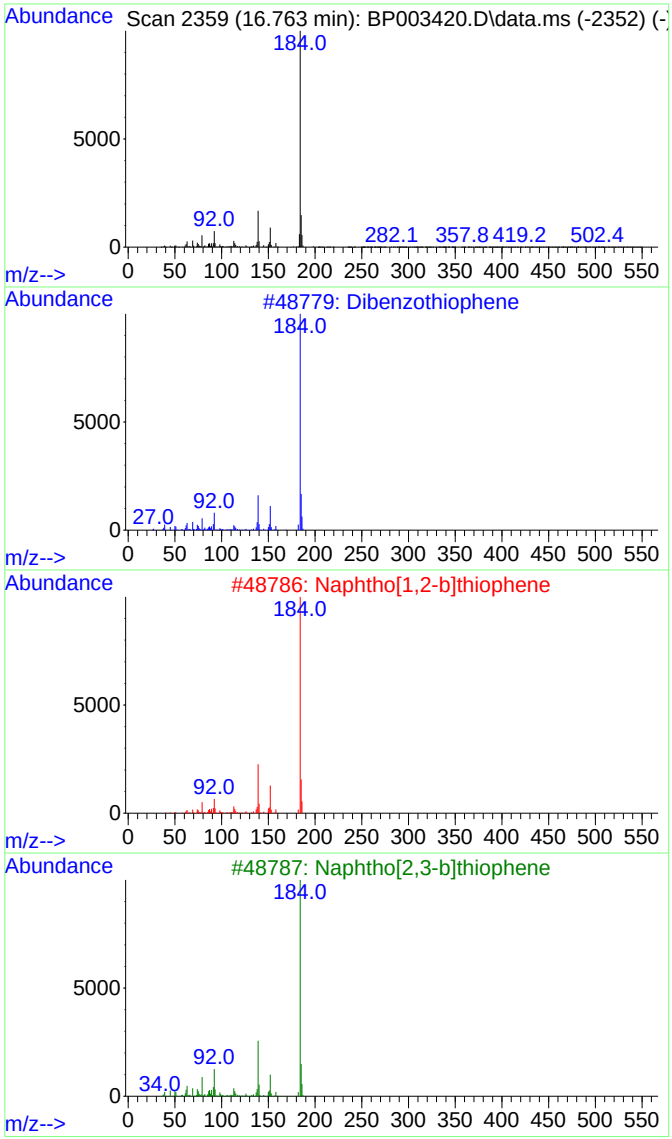
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

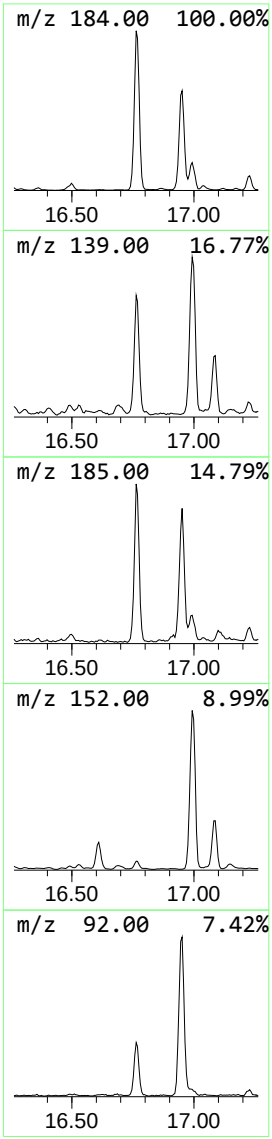
**********

Peak Number 5 Dibenzothiophene Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.763 | 5.63 ng | 464980 | Phenanthrene-d10 | 16.951 |

| 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 | 95 |
| 3 | Naphtho[2,3-b]thiophene | 184 | C12H8S | 000268-77-9 | 95 |
| 4 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 94 |
| 5 | Azuleno(2,1-b)thiophene | 184 | C12H8S | 000248-13-5 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003420.D
Acq On : 30 Sep 2020 18:55
Operator : CG/JU
Sample : L4179-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** B-9(12-14)

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

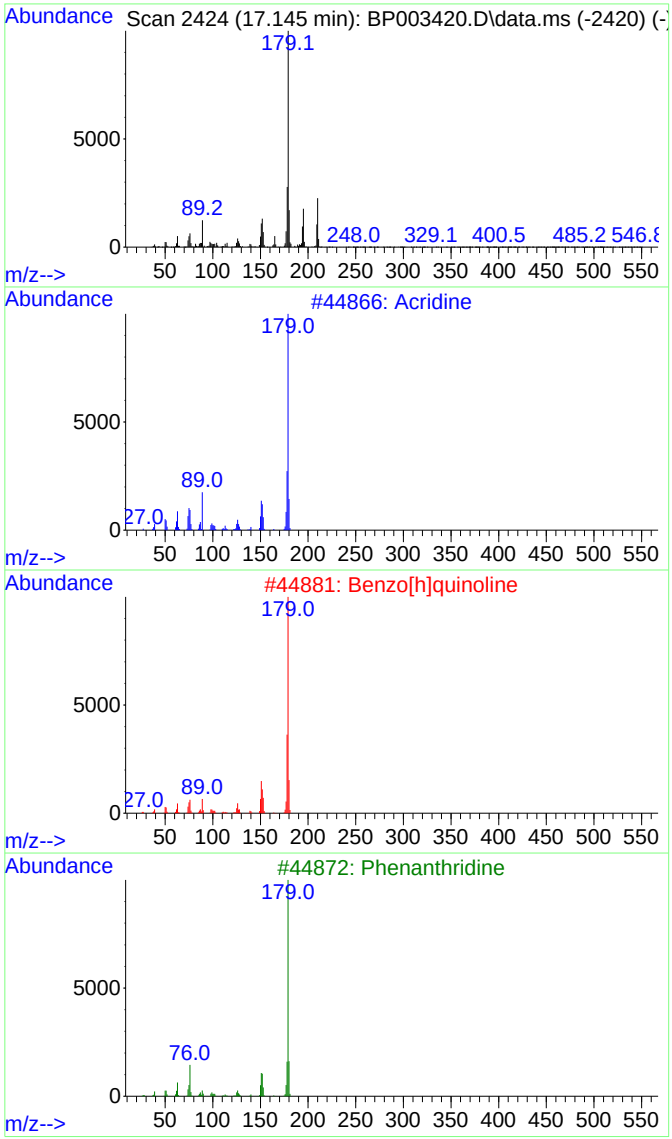
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

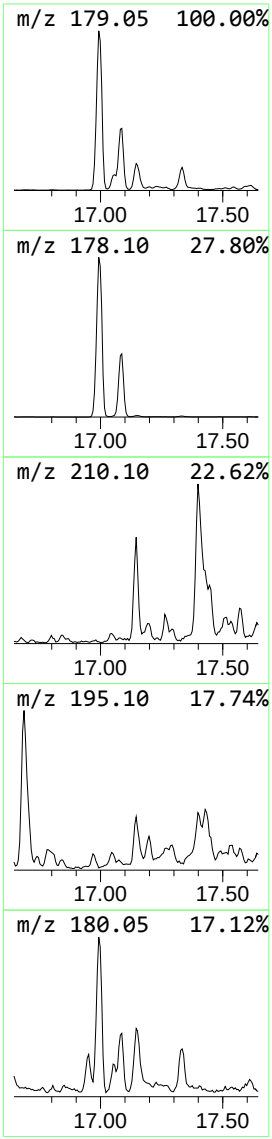
**********

Peak Number 6 Acridine Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.145 | 3.06 ng | 252201 | Phenanthrene-d10 | 16.951 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acridine | 179 | C13H9N | 000260-94-6 | 93 |
| 2 | Benzo[h]quinoline | 179 | C13H9N | 000230-27-3 | 92 |
| 3 | Phenanthridine | 179 | C13H9N | 000229-87-8 | 78 |
| 4 | Benzo[f]quinoline | 179 | C13H9N | 000085-02-9 | 64 |
| 5 | Benzo[h]isoquinoline | 179 | C13H9N | 000229-71-0 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003420.D
Acq On : 30 Sep 2020 18:55
Operator : CG/JU
Sample : L4179-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-9(12-14)

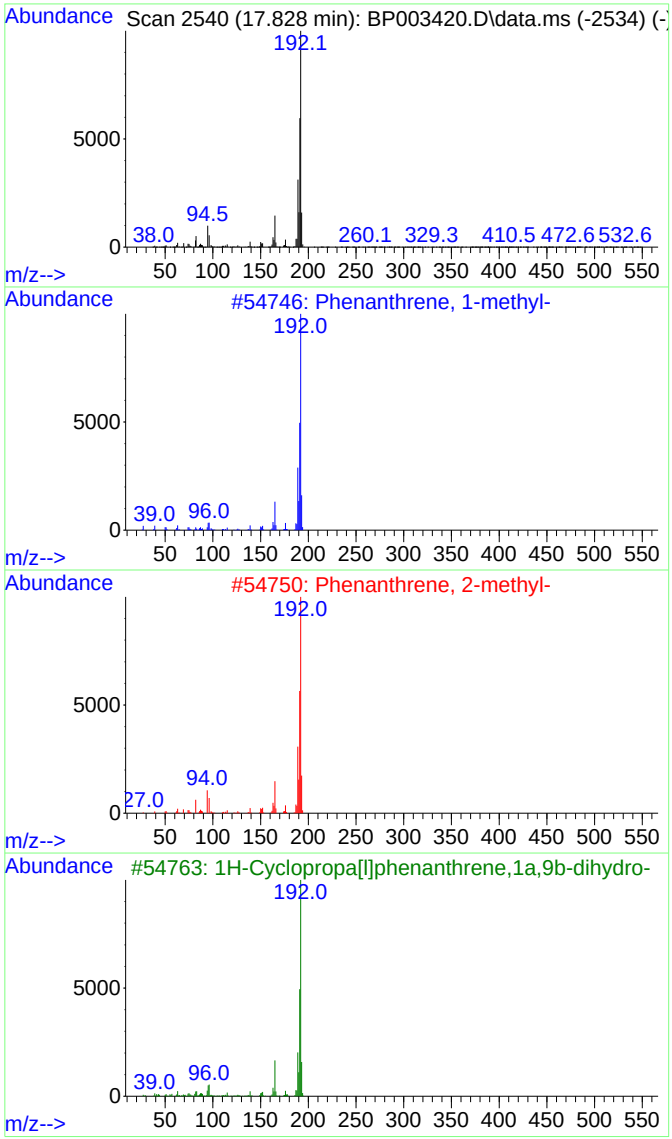
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

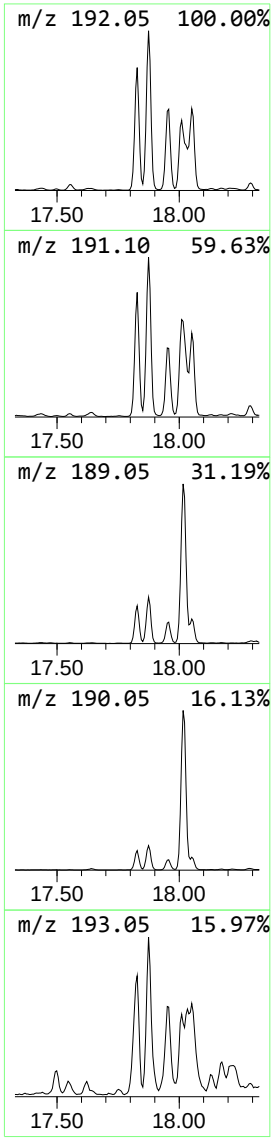
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.828 | 10.87 ng | 897183 | Phenanthrene-d10 | 16.951 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 97 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 96 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 95 |
| 5 | 1H-Indene, 1-phenyl- | 192 | C15H12 | 001961-96-2 | 94 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003420.D
Acq On : 30 Sep 2020 18:55
Operator : CG/JU
Sample : L4179-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** B-9(12-14)

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

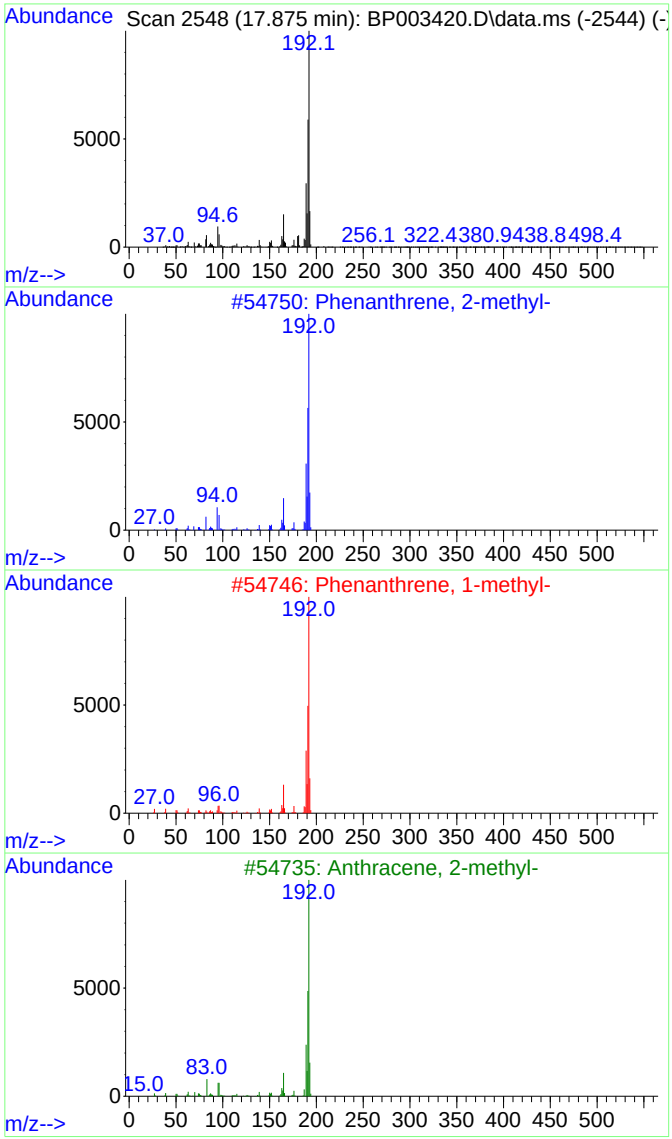
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

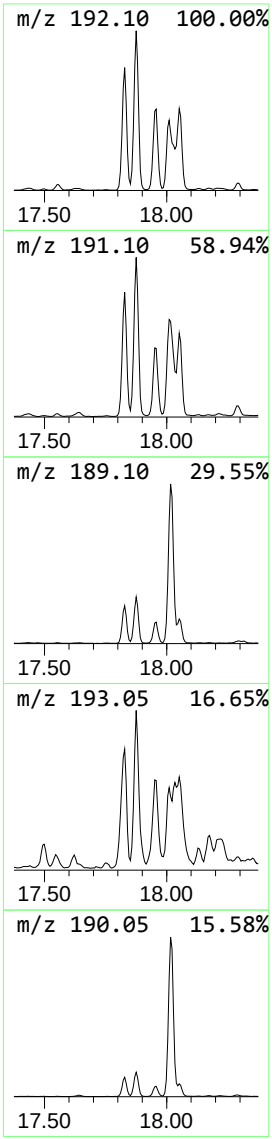
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.875 | 14.79 ng | 1220620 | Phenanthrene-d10 | 16.951 |

| 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 | 96 |
| 5 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 94 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003420.D
Acq On : 30 Sep 2020 18:55
Operator : CG/JU
Sample : L4179-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-9(12-14)

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

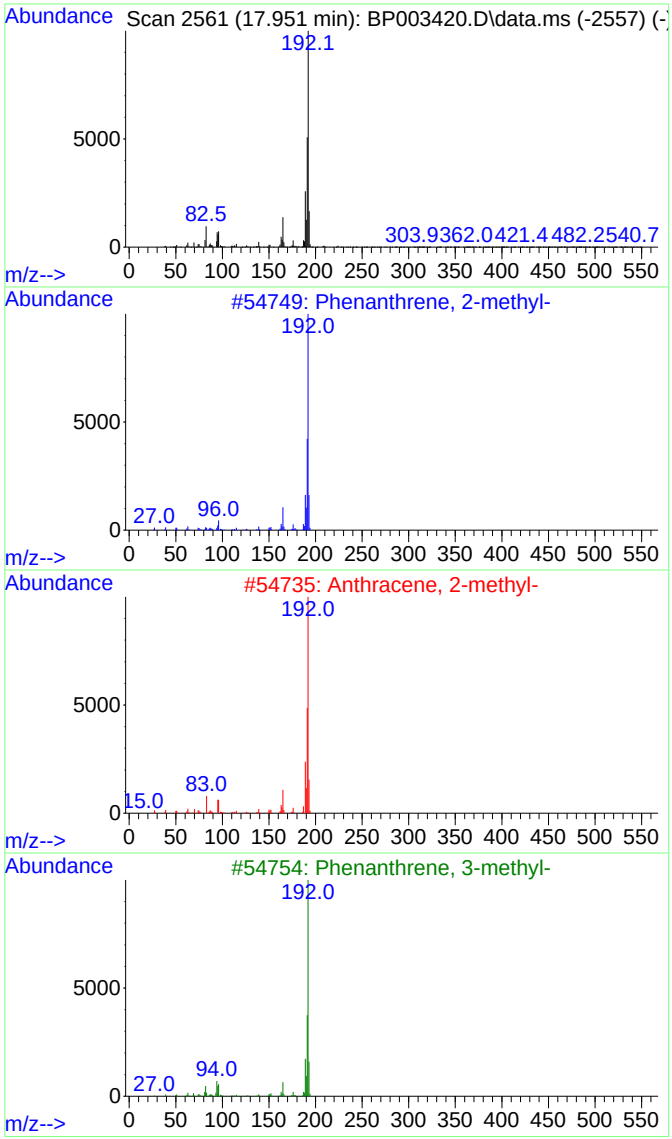
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

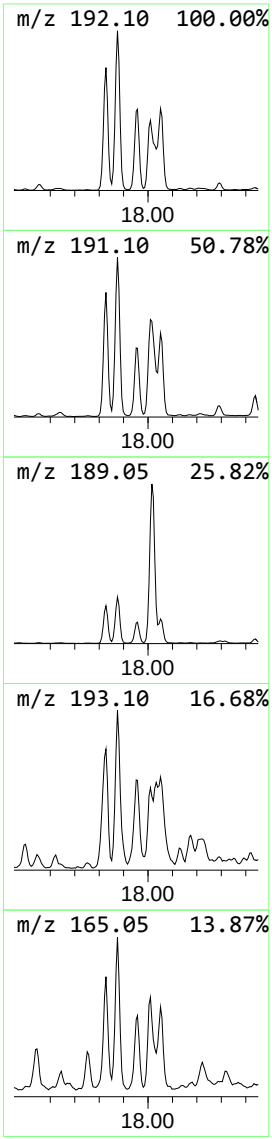
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.951 | 6.90 ng | 569203 | Phenanthrene-d10 | 16.951 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 96 |
| 3 | Phenanthrene, 3-methyl- | 192 | C15H12 | 000832-71-3 | 95 |
| 4 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 95 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003420.D
Acq On : 30 Sep 2020 18:55
Operator : CG/JU
Sample : L4179-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-9(12-14)

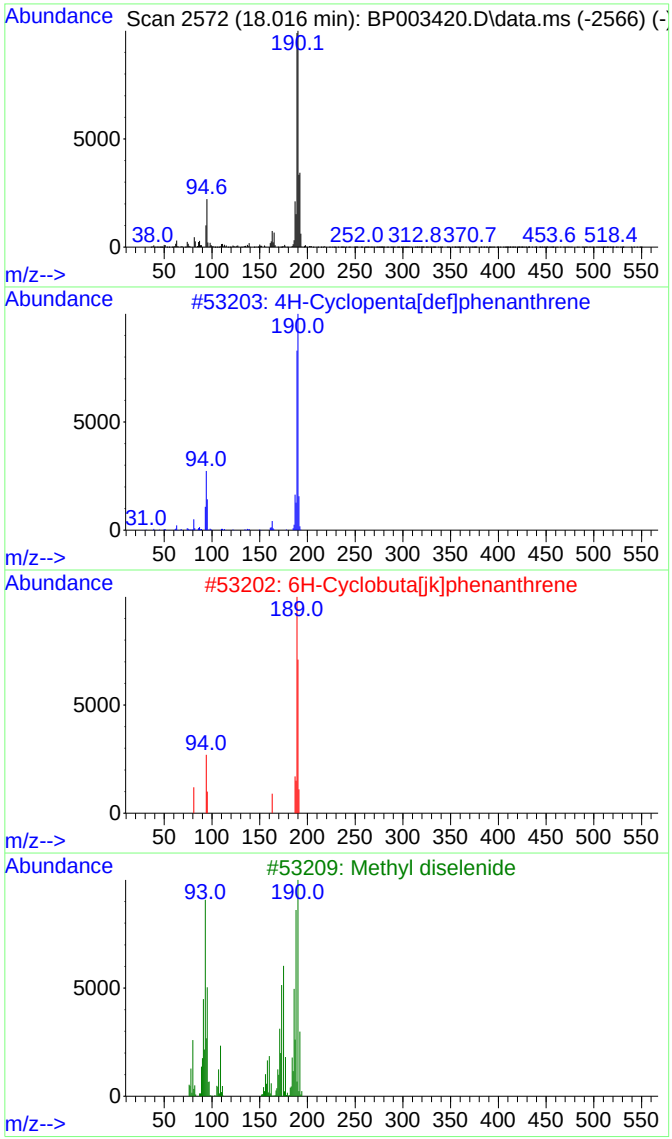
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

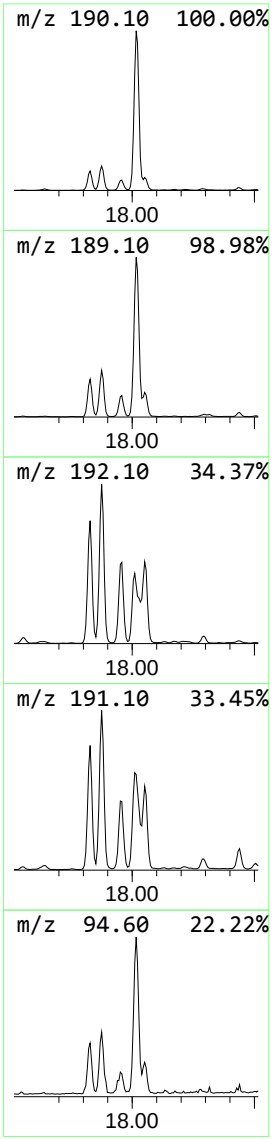
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.016 | 24.13 ng | 1991310 | Phenanthrene-d10 | 16.951 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 87 |
| 2 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 64 |
| 3 | Methyl diselenide | 190 | C2H6Se2 | 007101-31-7 | 55 |
| 4 | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0 | 52 |
| 5 | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2 | 007072-01-7 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003420.D
Acq On : 30 Sep 2020 18:55
Operator : CG/JU
Sample : L4179-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-9(12-14)

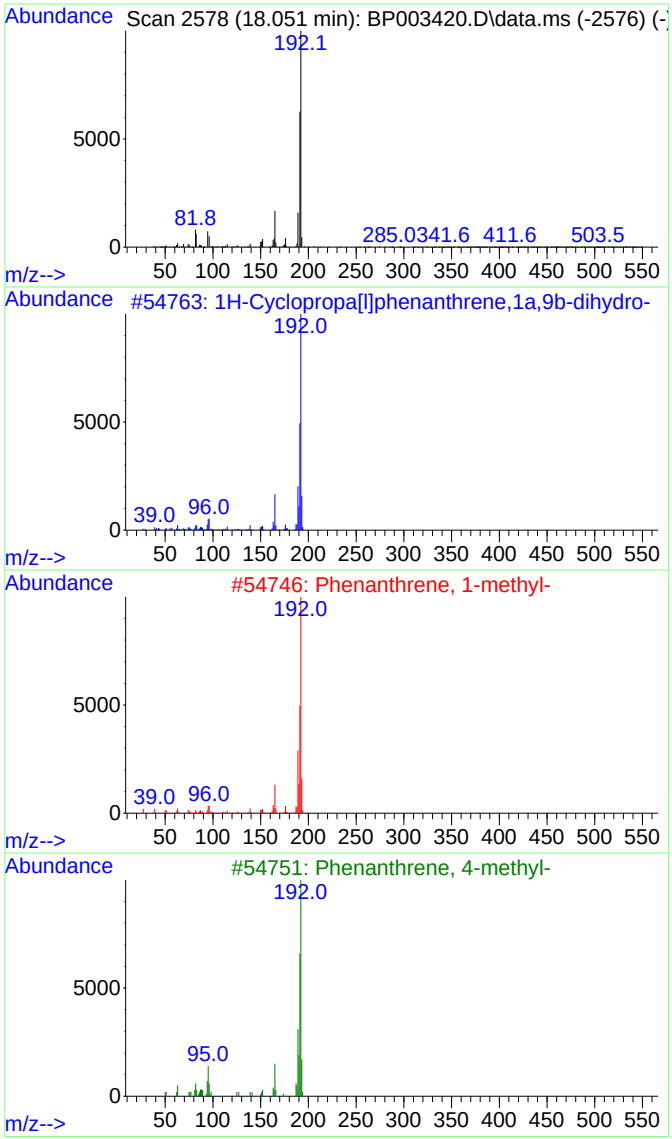
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

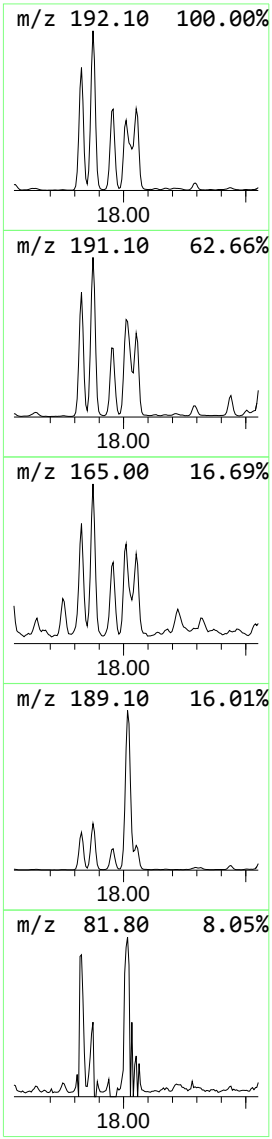
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.051 | 7.00 ng | 577474 | Phenanthrene-d10 | 16.951 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 87 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 86 |
| 3 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 83 |
| 4 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 83 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 80 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003420.D
Acq On : 30 Sep 2020 18:55
Operator : CG/JU
Sample : L4179-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-9(12-14)

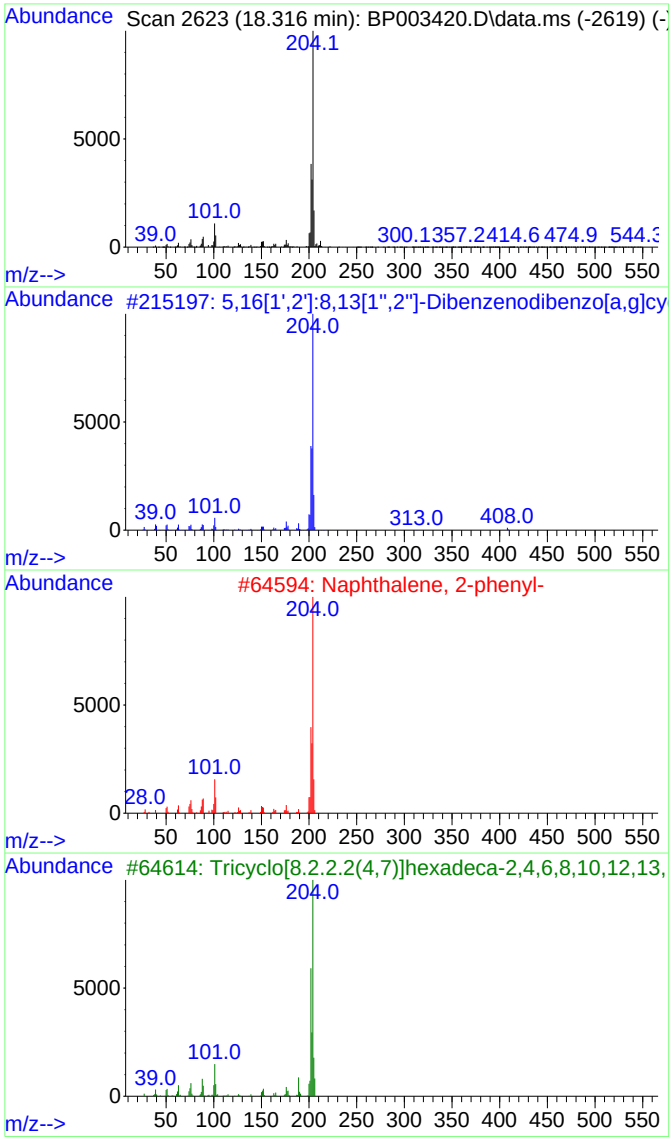
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

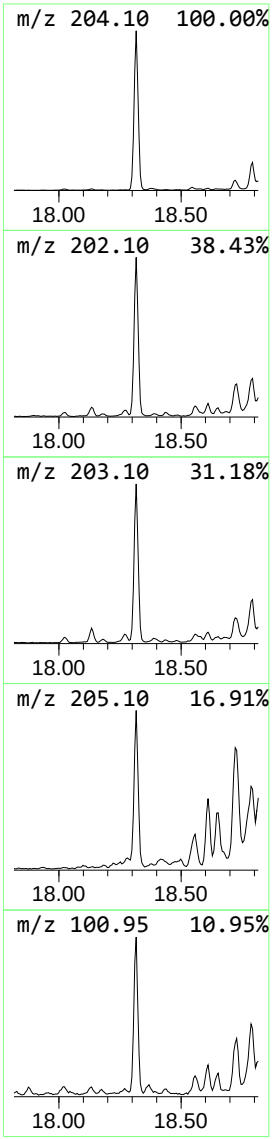
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.316 | 7.55 ng | 622818 | Phenanthrene-d10 | 16.951 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 87 |
| 2 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 86 |
| 3 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 68 |
| 4 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 64 |
| 5 | Levamisole | 204 | C11H12N2S | 014769-73-4 | 49 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003420.D
Acq On : 30 Sep 2020 18:55
Operator : CG/JU
Sample : L4179-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-9(12-14)

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

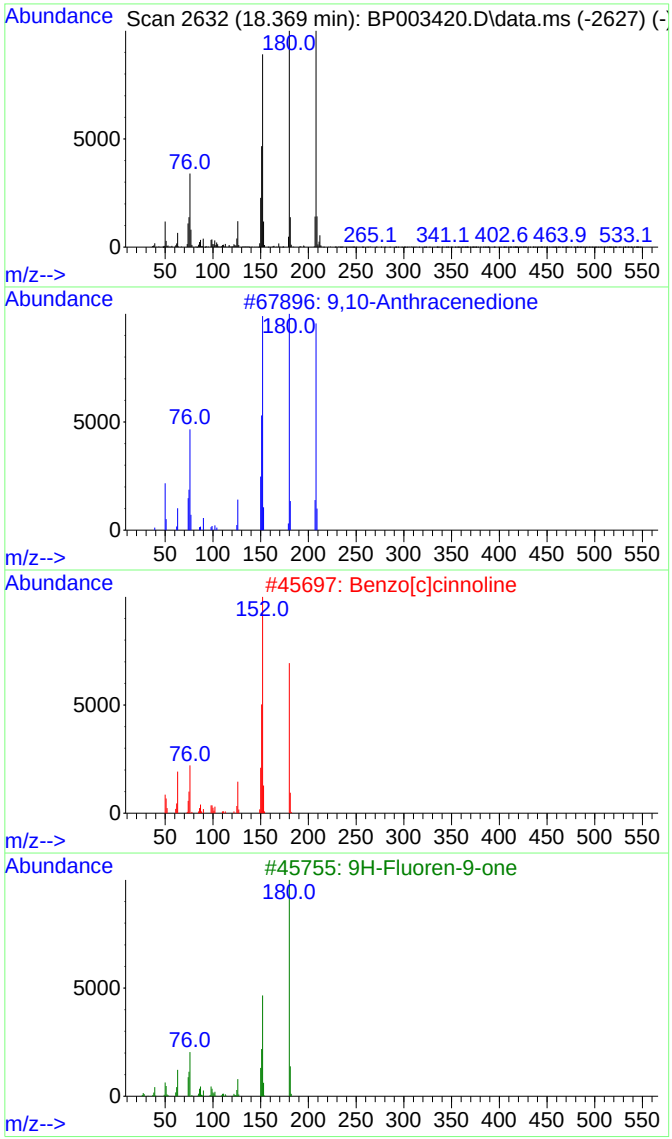
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

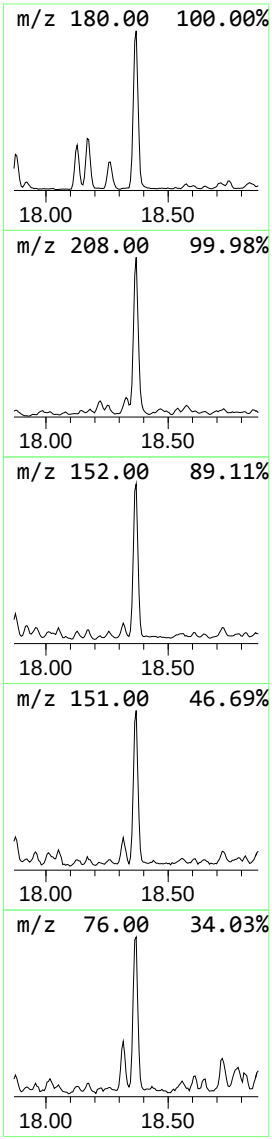
**********

Peak Number 13 9,10-Anthracenedione Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.369 | 6.09 ng | 502707 | Phenanthrene-d10 | 16.951 |

| 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 | 86 |
| 3 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 70 |
| 4 | Benzo[h]cinnoline | 180 | C12H8N2 | 000230-31-9 | 60 |
| 5 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 60 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003420.D
Acq On : 30 Sep 2020 18:55
Operator : CG/JU
Sample : L4179-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-9(12-14)

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

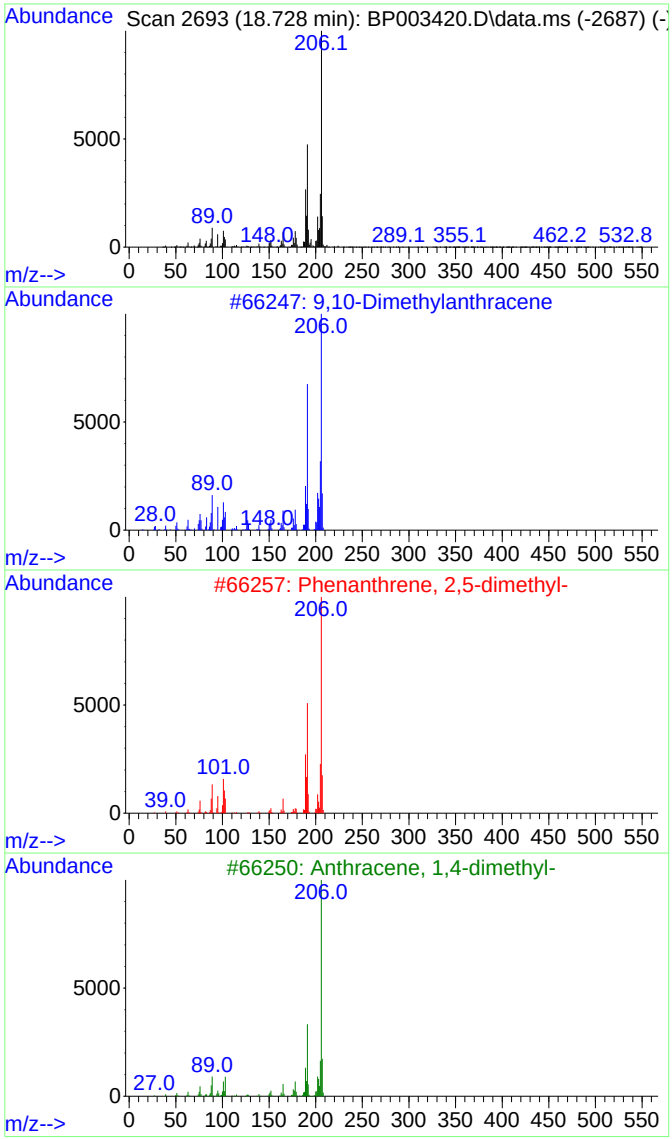
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

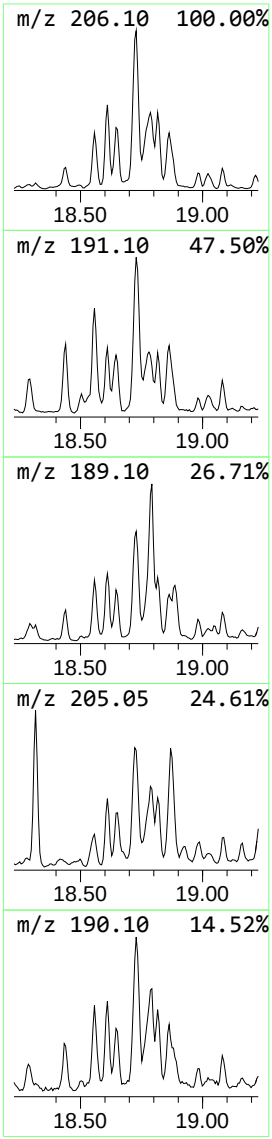
**********

Peak Number 14 9,10-Dimethylanthracene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.728 | 7.60 ng | 627262 | Phenanthrene-d10 | 16.951 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 98 |
| 2 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 98 |
| 3 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 86 |
| 4 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 81 |
| 5 | 1,3-Diphenyl-3-methylcyclopropene | 206 | C16H14 | 086544-79-8 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003420.D
Acq On : 30 Sep 2020 18:55
Operator : CG/JU
Sample : L4179-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-9(12-14)

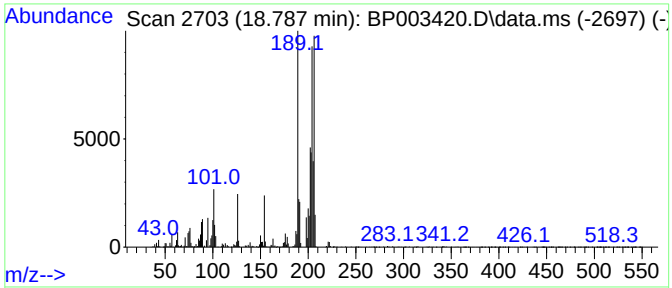
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

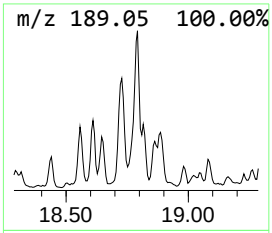
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

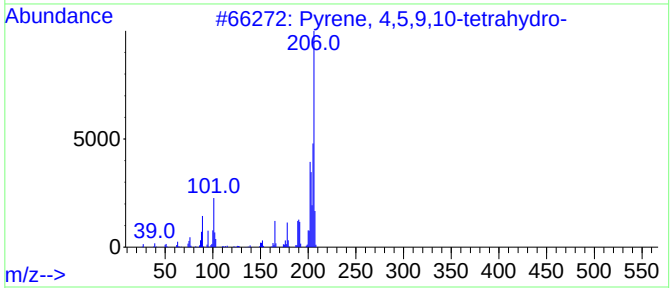
**********
Peak Number 15 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 10

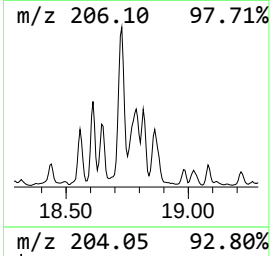
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.787 | 6.81 ng | 561943 | Phenanthrene-d10 | 16.951 |

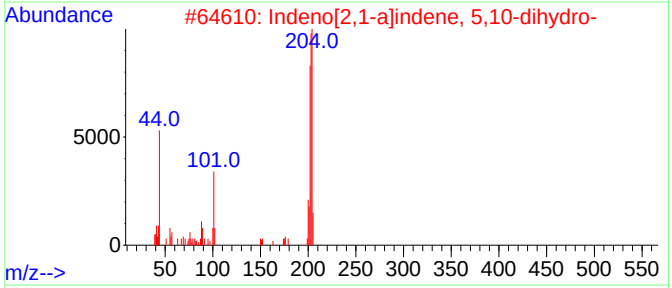
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 4,5,9,10-tetrahydro- | 206 | C16H14 | 000781-17-9 | 81 |
| 2 | Indeno[2,1-a]indene, 5,10-dihydro- | 204 | C16H12 | 006543-29-9 | 41 |
| 3 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 35 |
| 4 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 30 |
| 5 | Hydrazine, 4-bromo-2-fluorophenyl- | 204 | C6H6BrFN2 | 299440-17-8 | 30 |

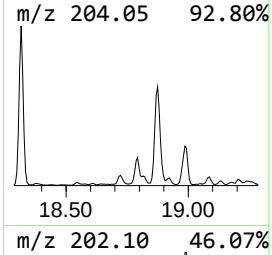


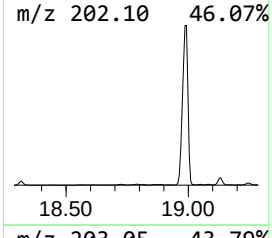



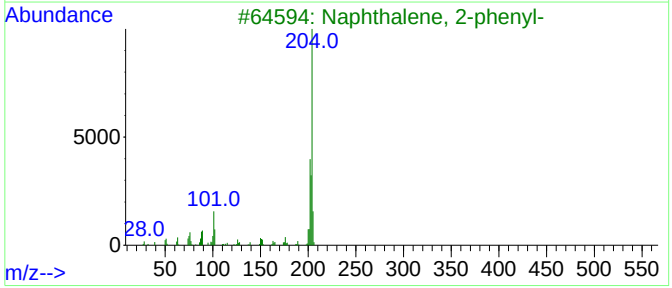



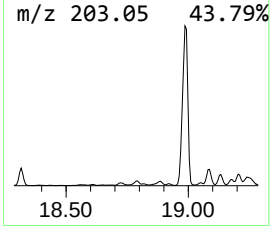



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003420.D
Acq On : 30 Sep 2020 18:55
Operator : CG/JU
Sample : L4179-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-9(12-14)

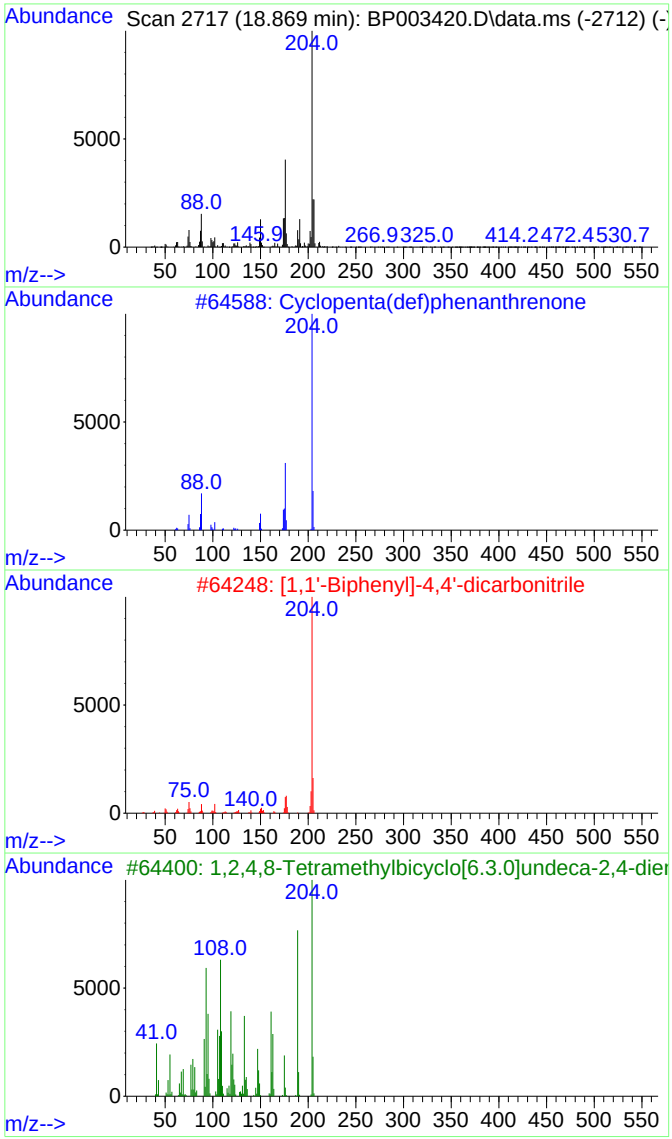
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

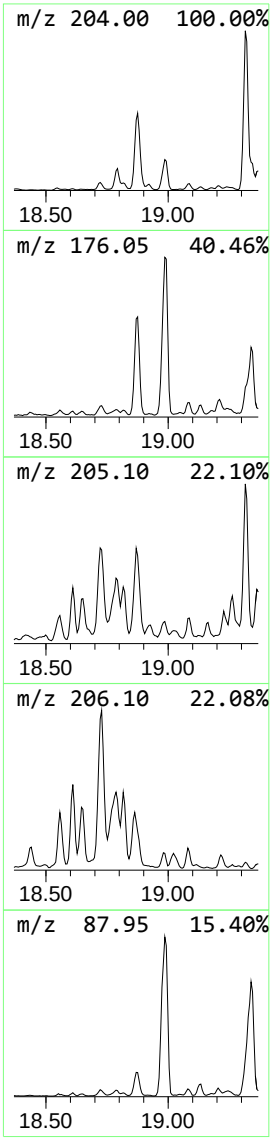
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.869 | 9.32 ng | 769066 | Phenanthrene-d10 | 16.951 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 96 |
| 2 | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2 | 001591-30-6 | 52 |
| 3 | 1,2,4,8-Tetramethylbicyclo[6.3.0... | 204 | C15H24 | 137235-51-9 | 43 |
| 4 | 3,4-Biphenyldicarbonitrile | 204 | C14H8N2 | 004128-63-6 | 38 |
| 5 | [1,1'-Biphenyl-3-ol], 6-chloro- | 204 | C12H9ClO | 021345-13-1 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003420.D
Acq On : 30 Sep 2020 18:55
Operator : CG/JU
Sample : L4179-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-9(12-14)

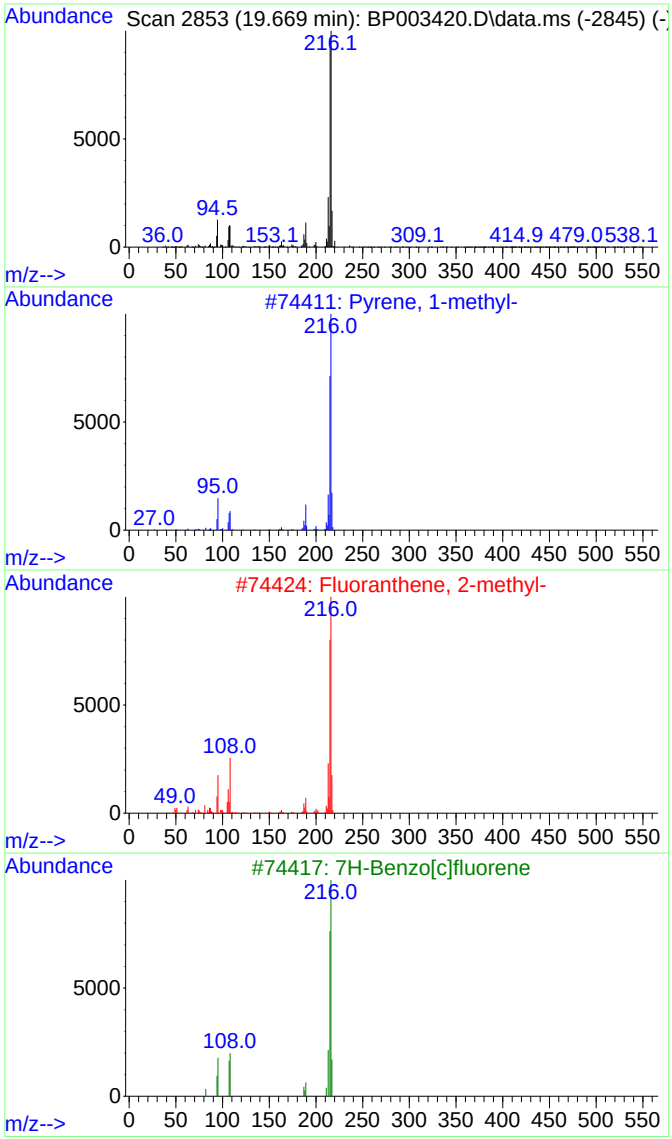
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

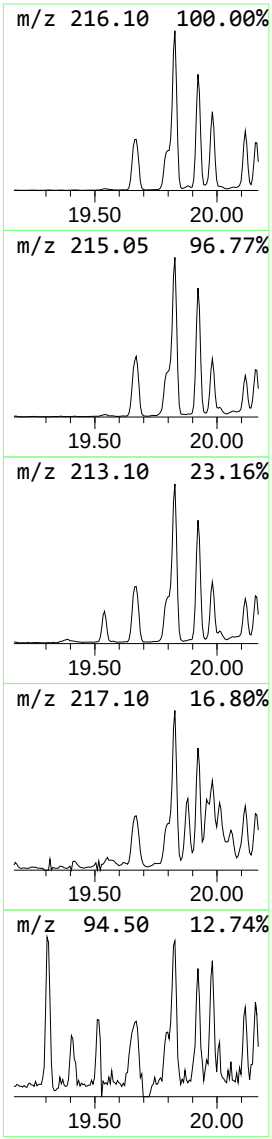
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.669 | 2.95 ng | 1319480 | Chrysene-d12 | 21.075 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 96 |
| 2 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 90 |
| 3 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 87 |
| 4 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 81 |
| 5 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 80 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003420.D
Acq On : 30 Sep 2020 18:55
Operator : CG/JU
Sample : L4179-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
B-9(12-14)

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

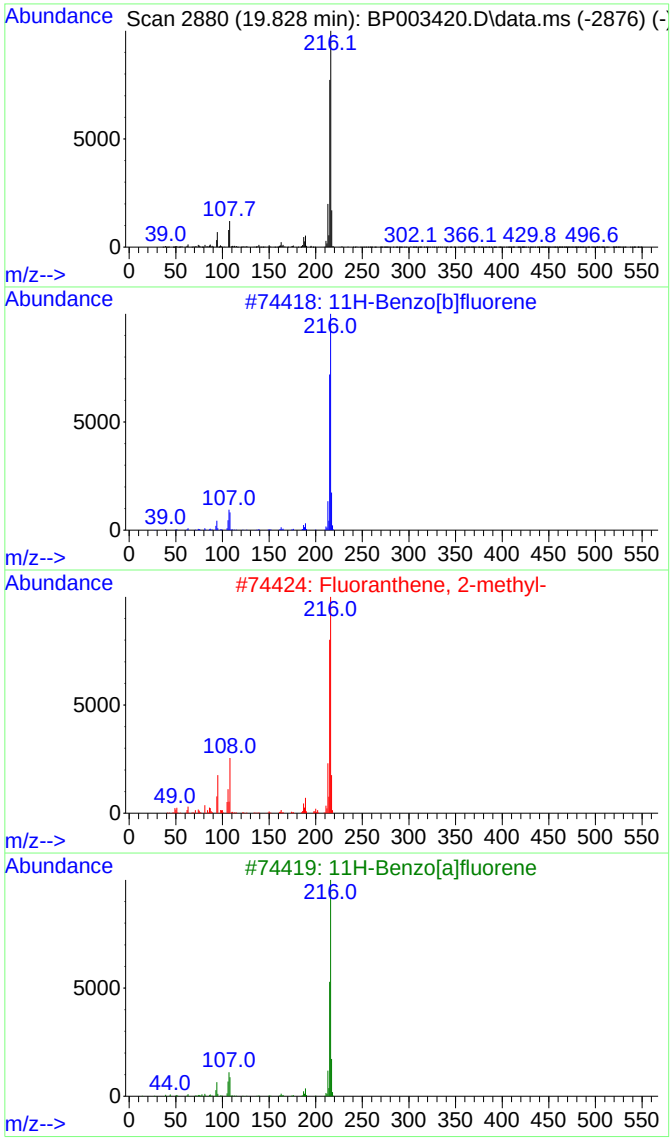
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

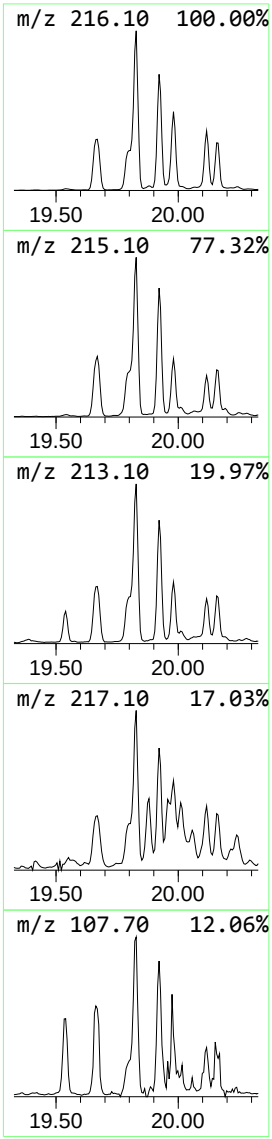
**********

Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.828 | 4.09 ng | 1832660 | Chrysene-d12 | 21.075 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 94 |
| 2 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 91 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 91 |
| 4 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 90 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003420.D
Acq On : 30 Sep 2020 18:55
Operator : CG/JU
Sample : L4179-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** B-9(12-14)

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

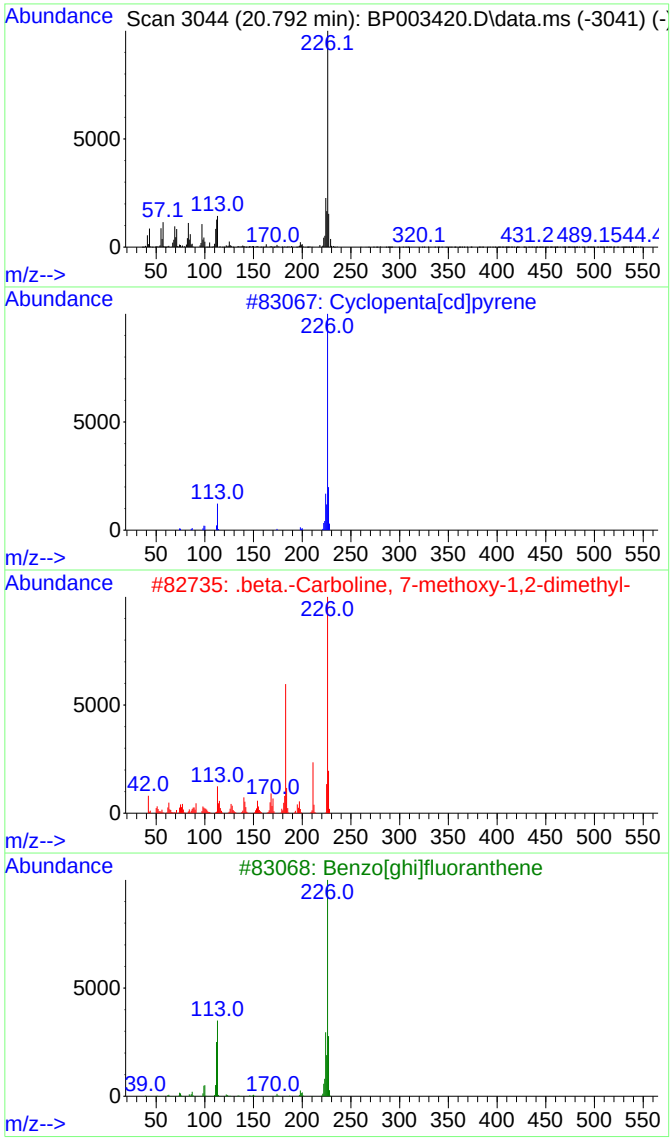
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

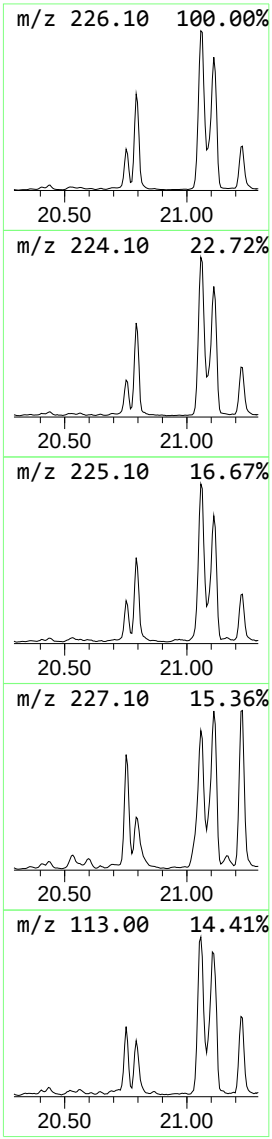
**********

Peak Number 19 Cyclopenta[cd]pyrene Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.792 | 4.59 ng | 2052960 | Chrysene-d12 | 21.075 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta[cd]pyrene | 226 | C18H10 | 027208-37-3 | 64 |
| 2 | .beta.-Carboline, 7-methoxy-1,2-... | 226 | C14H14N2O | 006519-18-2 | 52 |
| 3 | Benzo[ghi]fluoranthene | 226 | C18H10 | 000203-12-3 | 43 |
| 4 | 1,3-Diamino-5,6-dihydro-9-methyl... | 226 | C13H14N4 | 037436-39-8 | 38 |
| 5 | 9H-Xanthen-9-one, 3-methoxy- | 226 | C14H10O3 | 003722-52-9 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003420.D
Acq On : 30 Sep 2020 18:55
Operator : CG/JU
Sample : L4179-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** B-9(12-14)

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

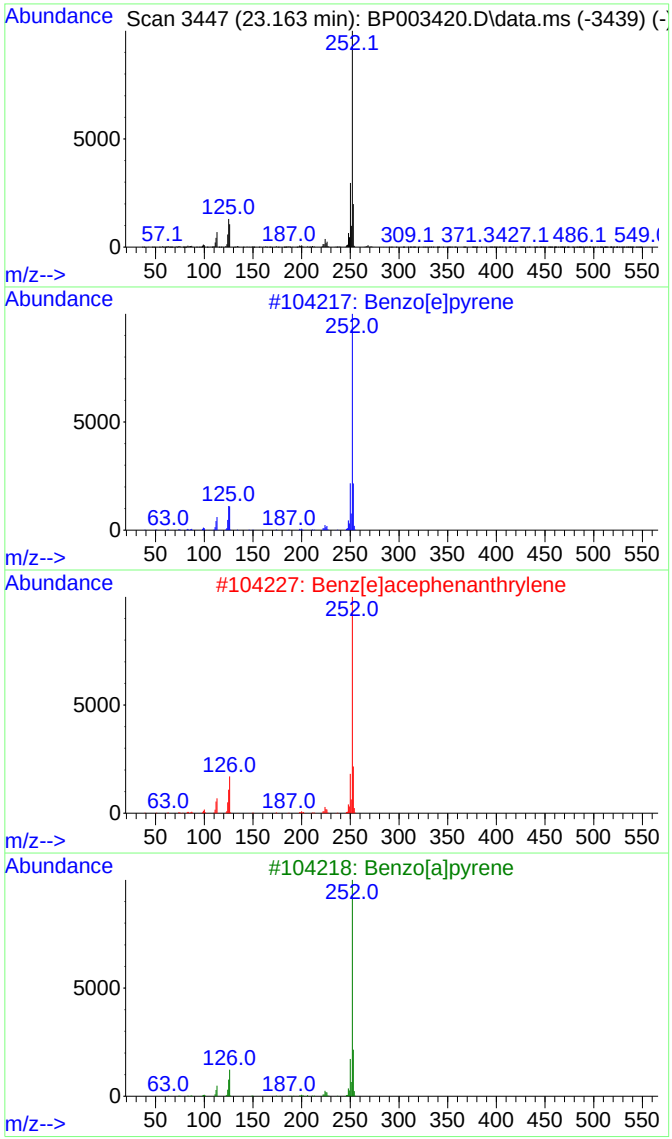
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

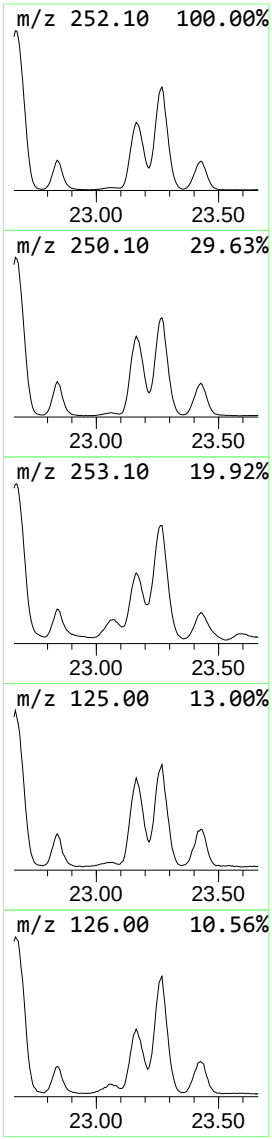
**********

Peak Number 20 Benzo[e]pyrene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.163 | 14.69 ng | 2942950 | Perylene-d12 | 23.375 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 94 |
| 2 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 93 |
| 3 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 93 |
| 4 | Perylene | 252 | C20H12 | 000198-55-0 | 93 |
| 5 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 93 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003420.D
Acq On : 30 Sep 2020 18:55
Operator : CG/JU
Sample : L4179-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** B-9(12-14)

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(2H)-Acenaphth... | 15.934 | 3.3 | ng | 273825 | 4 | 16.951 | 1650480 | 20.0 |
| 9H-Fluorene, 2-... | 16.257 | 3.1 | ng | 260335 | 4 | 16.951 | 1650480 | 20.0 |
| 9H-Fluoren-9-one | 16.610 | 4.4 | ng | 362567 | 4 | 16.951 | 1650480 | 20.0 |
| Phenol, 4-(2-ph... | 16.687 | 3.0 | ng | 251147 | 4 | 16.951 | 1650480 | 20.0 |
| Dibenzothiophene | 16.763 | 5.6 | ng | 464980 | 4 | 16.951 | 1650480 | 20.0 |
| Acridine | 17.145 | 3.1 | ng | 252201 | 4 | 16.951 | 1650480 | 20.0 |
| Phenanthrene, 1... | 17.828 | 10.9 | ng | 897183 | 4 | 16.951 | 1650480 | 20.0 |
| Phenanthrene, 2... | 17.875 | 14.8 | ng | 1220620 | 4 | 16.951 | 1650480 | 20.0 |
| Phenanthrene, 2... | 17.951 | 6.9 | ng | 569203 | 4 | 16.951 | 1650480 | 20.0 |
| 4H-Cyclopenta[d... | 18.016 | 24.1 | ng | 1991310 | 4 | 16.951 | 1650480 | 20.0 |
| 1H-Cyclopropa[1... | 18.051 | 7.0 | ng | 577474 | 4 | 16.951 | 1650480 | 20.0 |
| 5,16[1',2']:8,1... | 18.316 | 7.5 | ng | 622818 | 4 | 16.951 | 1650480 | 20.0 |
| 9,10-Anthracene... | 18.369 | 6.1 | ng | 502707 | 4 | 16.951 | 1650480 | 20.0 |
| 9,10-Dimethylan... | 18.728 | 7.6 | ng | 627262 | 4 | 16.951 | 1650480 | 20.0 |
| Pyrene, 4,5,9,1... | 18.787 | 6.8 | ng | 561943 | 4 | 16.951 | 1650480 | 20.0 |
| Cyclopenta(def)... | 18.869 | 9.3 | ng | 769066 | 4 | 16.951 | 1650480 | 20.0 |
| Pyrene, 1-methyl- | 19.669 | 3.0 | ng | 1319480 | 5 | 21.075 | 8952820 | 20.0 |
| 11H-Benzo[b]flu... | 19.828 | 4.1 | ng | 1832660 | 5 | 21.075 | 8952820 | 20.0 |
| Cyclopenta[cd]p... | 20.792 | 4.6 | ng | 2052960 | 5 | 21.075 | 8952820 | 20.0 |
| Benzo[e]pyrene | 23.163 | 14.7 | ng | 2942950 | 6 | 23.375 | 4007030 | 20.0 |