LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\
Data File : BF095094.D
Acq On : 11 May 2017 22:49
Operator : SJ/MA
Sample : I3065-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PE-1

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:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.007 | 517 | 522 | 539 | rBV | 341645 | 730112 | 25.81% | 1.927% |
| 2 | 5.648 | 627 | 631 | 658 | rBV | 1198489 | 2064356 | 72.96% | 5.449% |
| 3 | 5.907 | 672 | 675 | 681 | rVB3 | 19894 | 29966 | 1.06% | 0.079% |
| 4 | 6.225 | 724 | 729 | 738 | rBV | 20066 | 38692 | 1.37% | 0.102% |
| 5 | 7.248 | 899 | 903 | 906 | rBV | 1092462 | 1234961 | 43.65% | 3.260% |
| 6 | 7.366 | 919 | 923 | 935 | rVB | 1649268 | 2356325 | 83.28% | 6.219% |
| 7 | 7.701 | 976 | 980 | 991 | rVB | 399345 | 470358 | 16.62% | 1.242% |
| 8 | 7.942 | 1016 | 1021 | 1034 | rBV | 1482249 | 1765863 | 62.41% | 4.661% |
| 9 | 8.607 | 1129 | 1134 | 1161 | rBV | 939371 | 1350270 | 47.72% | 3.564% |
| 10 | 9.724 | 1320 | 1324 | 1349 | rBV | 433445 | 678165 | 23.97% | 1.790% |
| 11 | 11.501 | 1620 | 1626 | 1640 | rBV | 2173748 | 2829294 | 100.00% | 7.468% |
| 12 | 12.189 | 1739 | 1743 | 1761 | rVB | 255128 | 370954 | 13.11% | 0.979% |
| 13 | 12.554 | 1800 | 1805 | 1812 | rBV2 | 565065 | 775491 | 27.41% | 2.047% |
| 14 | 12.607 | 1812 | 1814 | 1821 | rVB | 30125 | 42266 | 1.49% | 0.112% |
| 15 | 13.395 | 1944 | 1948 | 1952 | rBV | 38484 | 44400 | 1.57% | 0.117% |
| 16 | 13.459 | 1954 | 1959 | 1966 | rBV2 | 35546 | 53108 | 1.88% | 0.140% |
| 17 | 13.736 | 2002 | 2006 | 2013 | rBV4 | 15311 | 31893 | 1.13% | 0.084% |
| 18 | 13.848 | 2020 | 2025 | 2044 | rBV | 1063621 | 1586944 | 56.09% | 4.189% |
| 19 | 14.165 | 2075 | 2079 | 2082 | rBV2 | 44064 | 55910 | 1.98% | 0.148% |
| 20 | 14.795 | 2183 | 2186 | 2191 | rVB | 31268 | 35178 | 1.24% | 0.093% |
| 21 | 14.895 | 2198 | 2203 | 2208 | rBV | 26566 | 30245 | 1.07% | 0.080% |
| 22 | 14.954 | 2208 | 2213 | 2216 | rVV | 659961 | 759270 | 26.84% | 2.004% |
| 23 | 14.989 | 2216 | 2219 | 2229 | rVV | 631525 | 815695 | 28.83% | 2.153% |
| 24 | 15.083 | 2231 | 2235 | 2245 | rVB | 153513 | 227023 | 8.02% | 0.599% |
| 25 | 15.183 | 2247 | 2252 | 2256 | rBV2 | 19131 | 30028 | 1.06% | 0.079% |
| 26 | 15.377 | 2282 | 2285 | 2294 | rVB | 60043 | 86759 | 3.07% | 0.229% |
| 27 | 15.742 | 2343 | 2347 | 2351 | rBV | 117152 | 126879 | 4.48% | 0.335% |
| 28 | 15.783 | 2351 | 2354 | 2361 | rVV | 140765 | 169319 | 5.98% | 0.447% |
| 29 | 15.853 | 2361 | 2366 | 2369 | rVV2 | 51697 | 72639 | 2.57% | 0.192% |
| 30 | 15.889 | 2369 | 2372 | 2375 | rVV2 | 151452 | 201858 | 7.13% | 0.533% |
| 31 | 15.924 | 2375 | 2378 | 2394 | rVB2 | 251634 | 404618 | 14.30% | 1.068% |
| 32 | 16.183 | 2419 | 2422 | 2428 | rVB | 76554 | 90056 | 3.18% | 0.238% |
| 33 | 16.242 | 2428 | 2432 | 2437 | rBV2 | 44475 | 60631 | 2.14% | 0.160% |
| 34 | 16.389 | 2453 | 2457 | 2461 | rBV2 | 31405 | 38062 | 1.35% | 0.100% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\
Data File : BF095094.D
Acq On : 11 May 2017 22:49
Operator : SJ/MA
Sample : I3065-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PE-1

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:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 16.442 | 2461 | 2466 | 2468 | rBV | 27895 | 33066 | 1.17% | 0.087% |
| 36 | 16.536 | 2478 | 2482 | 2486 | rBV | 83802 | 102990 | 3.64% | 0.272% |
| 37 | 16.583 | 2486 | 2490 | 2493 | rVV4 | 44556 | 61642 | 2.18% | 0.163% |
| 38 | 16.653 | 2498 | 2502 | 2507 | rBV2 | 60444 | 87600 | 3.10% | 0.231% |
| 39 | 16.736 | 2511 | 2516 | 2522 | rBV | 1362070 | 1627564 | 57.53% | 4.296% |
| 40 | 16.842 | 2527 | 2534 | 2537 | rBV5 | 34561 | 66781 | 2.36% | 0.176% |
| 41 | 16.936 | 2546 | 2550 | 2553 | rBV | 48692 | 54344 | 1.92% | 0.143% |
| 42 | 17.036 | 2563 | 2567 | 2573 | rVB | 1463822 | 1725229 | 60.98% | 4.554% |
| 43 | 17.130 | 2578 | 2583 | 2586 | rBV2 | 47006 | 61004 | 2.16% | 0.161% |
| 44 | 17.159 | 2586 | 2588 | 2593 | rVB3 | 25823 | 29087 | 1.03% | 0.077% |
| 45 | 17.230 | 2597 | 2600 | 2604 | rBV | 96145 | 106138 | 3.75% | 0.280% |
| 46 | 17.283 | 2604 | 2609 | 2615 | rVB | 2202910 | 2628700 | 92.91% | 6.938% |
| 47 | 17.359 | 2619 | 2622 | 2627 | rVB | 79040 | 111437 | 3.94% | 0.294% |
| 48 | 17.471 | 2634 | 2641 | 2643 | rBV3 | 81521 | 138266 | 4.89% | 0.365% |
| 49 | 17.500 | 2643 | 2646 | 2652 | rVB | 209039 | 261257 | 9.23% | 0.690% |
| 50 | 17.559 | 2652 | 2656 | 2657 | rBV3 | 25372 | 32830 | 1.16% | 0.087% |
| 51 | 17.589 | 2657 | 2661 | 2665 | rVB | 162178 | 169750 | 6.00% | 0.448% |
| 52 | 17.636 | 2665 | 2669 | 2680 | rBV2 | 152683 | 288036 | 10.18% | 0.760% |
| 53 | 17.753 | 2683 | 2689 | 2693 | rVV2 | 70167 | 98858 | 3.49% | 0.261% |
| 54 | 17.794 | 2693 | 2696 | 2701 | rVV | 56840 | 75137 | 2.66% | 0.198% |
| 55 | 18.142 | 2752 | 2755 | 2759 | rBV3 | 31098 | 49158 | 1.74% | 0.130% |
| 56 | 18.189 | 2759 | 2763 | 2767 | rVB | 69974 | 84686 | 2.99% | 0.224% |
| 57 | 18.300 | 2778 | 2782 | 2785 | rBV | 96888 | 121108 | 4.28% | 0.320% |
| 58 | 18.336 | 2785 | 2788 | 2791 | rVV2 | 131671 | 141156 | 4.99% | 0.373% |
| 59 | 18.365 | 2791 | 2793 | 2796 | rVV | 84023 | 90768 | 3.21% | 0.240% |
| 60 | 18.406 | 2796 | 2800 | 2804 | rVB2 | 124409 | 157566 | 5.57% | 0.416% |
| 61 | 18.459 | 2804 | 2809 | 2814 | rBV | 65910 | 85360 | 3.02% | 0.225% |
| 62 | 18.530 | 2815 | 2821 | 2823 | rBV | 44560 | 72560 | 2.56% | 0.192% |
| 63 | 18.618 | 2830 | 2836 | 2840 | rBV2 | 1015151 | 1629110 | 57.58% | 4.300% |
| 64 | 18.659 | 2840 | 2843 | 2854 | rVB2 | 774497 | 994849 | 35.16% | 2.626% |
| 65 | 18.753 | 2855 | 2859 | 2863 | rVB | 121398 | 129936 | 4.59% | 0.343% |
| 66 | 18.859 | 2874 | 2877 | 2881 | rVV3 | 51190 | 56467 | 2.00% | 0.149% |
| 67 | 18.906 | 2881 | 2885 | 2890 | rVV | 89431 | 131249 | 4.64% | 0.346% |
| 68 | 18.947 | 2890 | 2892 | 2898 | rVB2 | 80624 | 103526 | 3.66% | 0.273% |
| 69 | 19.083 | 2912 | 2915 | 2918 | rBV | 42600 | 40015 | 1.41% | 0.106% |
| 70 | 19.130 | 2918 | 2923 | 2927 | rVV | 192951 | 251982 | 8.91% | 0.665% |
| 71 | 19.171 | 2927 | 2930 | 2934 | rVB2 | 94516 | 115371 | 4.08% | 0.305% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\
Data File : BF095094.D
Acq On : 11 May 2017 22:49
Operator : SJ/MA
Sample : I3065-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PE-1

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:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 19.247 | 2939 | 2943 | 2946 | rVB3 | 65249 | 83633 | 2.96% | 0.221% |
| 73 | 19.283 | 2946 | 2949 | 2951 | rBV4 | 43584 | 60437 | 2.14% | 0.160% |
| 74 | 19.383 | 2963 | 2966 | 2969 | rVB | 30212 | 29112 | 1.03% | 0.077% |
| 75 | 19.524 | 2986 | 2990 | 2992 | rBV3 | 28315 | 38383 | 1.36% | 0.101% |
| 76 | 19.553 | 2992 | 2995 | 2997 | rBV | 42601 | 49503 | 1.75% | 0.131% |
| 77 | 19.618 | 3003 | 3006 | 3009 | rBV4 | 27768 | 40158 | 1.42% | 0.106% |
| 78 | 19.736 | 3022 | 3026 | 3027 | rBV | 78670 | 91947 | 3.25% | 0.243% |
| 79 | 19.888 | 3048 | 3052 | 3055 | rBV | 807198 | 1127735 | 39.86% | 2.977% |
| 80 | 20.000 | 3068 | 3071 | 3076 | rBV | 146910 | 144757 | 5.12% | 0.382% |
| 81 | 20.094 | 3084 | 3087 | 3088 | rBV2 | 31769 | 31130 | 1.10% | 0.082% |
| 82 | 20.177 | 3097 | 3101 | 3105 | rBV | 498376 | 532879 | 18.83% | 1.407% |
| 83 | 20.236 | 3108 | 3111 | 3117 | rVV | 727242 | 827691 | 29.25% | 2.185% |
| 84 | 20.294 | 3117 | 3121 | 3124 | rVV | 428314 | 497591 | 17.59% | 1.313% |
| 85 | 20.324 | 3124 | 3126 | 3135 | rVB2 | 165594 | 216693 | 7.66% | 0.572% |
| 86 | 20.465 | 3147 | 3150 | 3153 | rBV3 | 34931 | 44024 | 1.56% | 0.116% |
| 87 | 20.588 | 3169 | 3171 | 3175 | rVB5 | 33999 | 36943 | 1.31% | 0.098% |
| 88 | 20.700 | 3186 | 3190 | 3194 | rBV4 | 23718 | 46619 | 1.65% | 0.123% |
| 89 | 21.183 | 3269 | 3272 | 3277 | rBV4 | 26284 | 34894 | 1.23% | 0.092% |
| 90 | 21.335 | 3296 | 3298 | 3302 | rVB5 | 31481 | 39674 | 1.40% | 0.105% |
| 91 | 21.418 | 3308 | 3312 | 3315 | rBV2 | 50260 | 71810 | 2.54% | 0.190% |
| 92 | 21.453 | 3315 | 3318 | 3323 | rVB | 42683 | 56311 | 1.99% | 0.149% |
| 93 | 21.582 | 3335 | 3340 | 3349 | rVB2 | 367605 | 687571 | 24.30% | 1.815% |
| 94 | 21.659 | 3350 | 3353 | 3358 | rVB | 39621 | 55972 | 1.98% | 0.148% |
| 95 | 21.735 | 3361 | 3366 | 3370 | rBV | 94633 | 153172 | 5.41% | 0.404% |
| 96 | 21.782 | 3371 | 3374 | 3380 | rVB2 | 79739 | 128750 | 4.55% | 0.340% |
| 97 | 21.959 | 3398 | 3404 | 3413 | rBV | 263759 | 522724 | 18.48% | 1.380% |
| 98 | 22.182 | 3437 | 3442 | 3458 | rVB2 | 76002 | 214519 | 7.58% | 0.566% |
| 99 | 23.876 | 3720 | 3730 | 3739 | rBV2 | 62956 | 211025 | 7.46% | 0.557% |
| 100 | 24.047 | 3753 | 3759 | 3768 | rBV3 | 38980 | 138376 | 4.89% | 0.365% |

Sum of corrected areas: 37886204

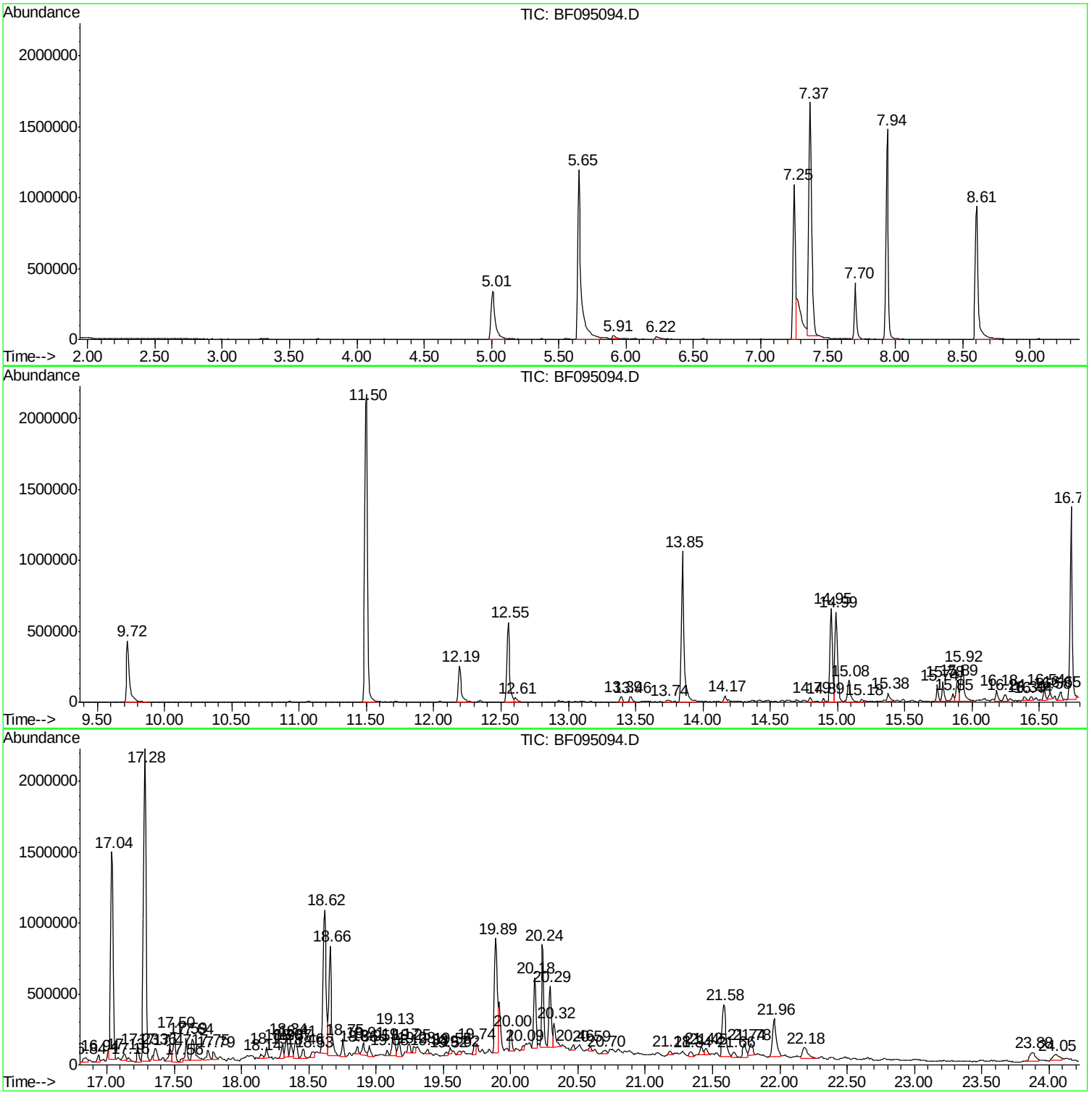
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\
Data File : BF095094.D
Acq On : 11 May 2017 22:49
Operator : SJ/MA
Sample : I3065-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\
Data File : BF095094.D
Acq On : 11 May 2017 22:49
Operator : SJ/MA
Sample : I3065-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

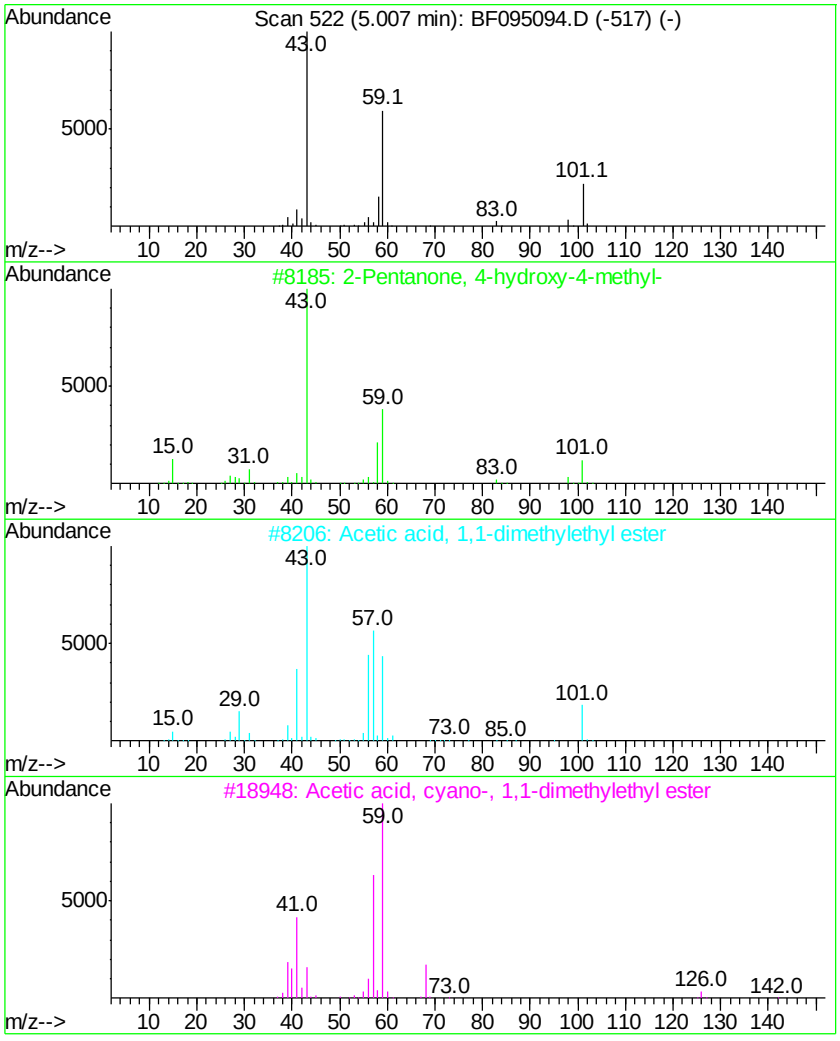
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

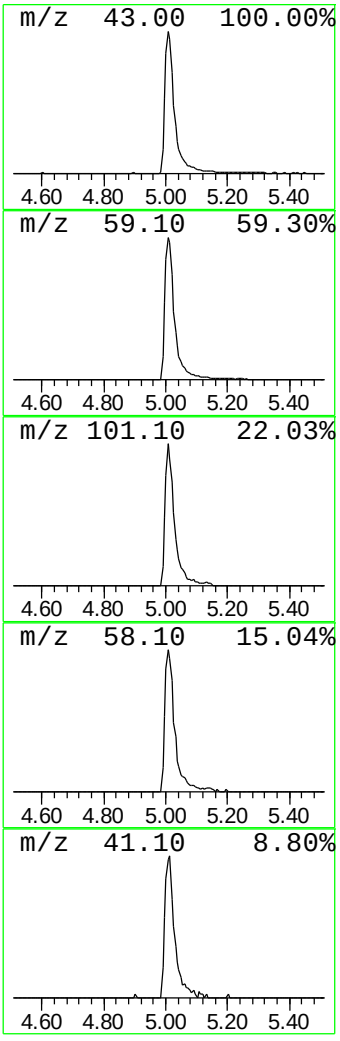
**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.01 | 31.04 ng | 730112 | 1,4-Dichlorobenzene-d4 | 7.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 72 |
| 2 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39 |
| 3 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17 |
| 4 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 17 |
| 5 | Butane, 1-ethoxy- | 102 | C6H14O | 000628-81-9 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\
Data File : BF095094.D
Acq On : 11 May 2017 22:49
Operator : SJ/MA
Sample : I3065-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

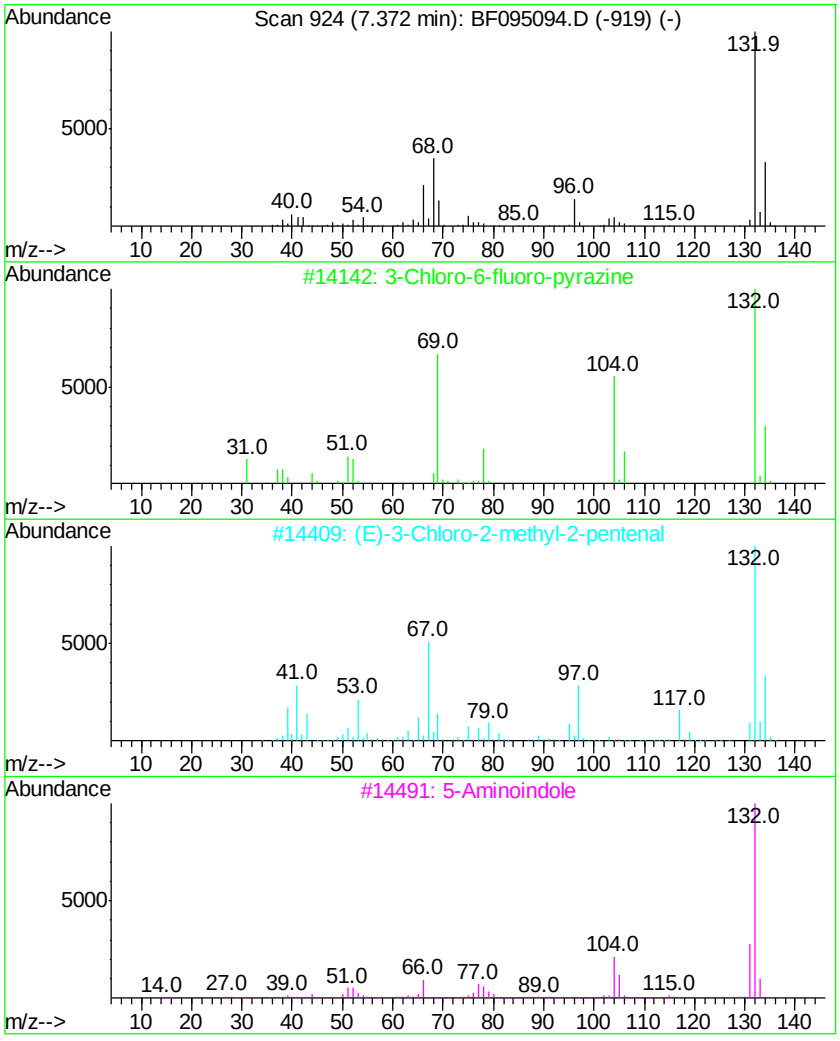
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

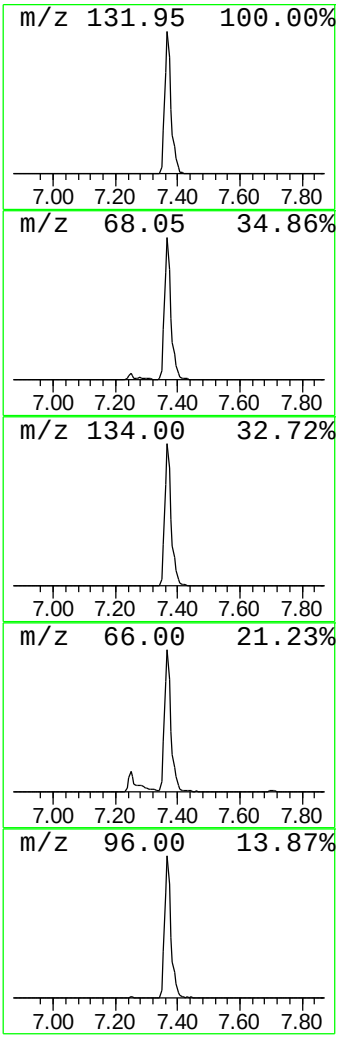
**********

Peak Number 2 unknown7.37 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.37 | 100.19 ng | 2356330 | 1,4-Dichlorobenzene-d4 | 7.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 25 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 17 |
| 3 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 4 | 4-Chloro-2-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-00-5 | 9 |
| 5 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\
Data File : BF095094.D
Acq On : 11 May 2017 22:49
Operator : SJ/MA
Sample : I3065-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

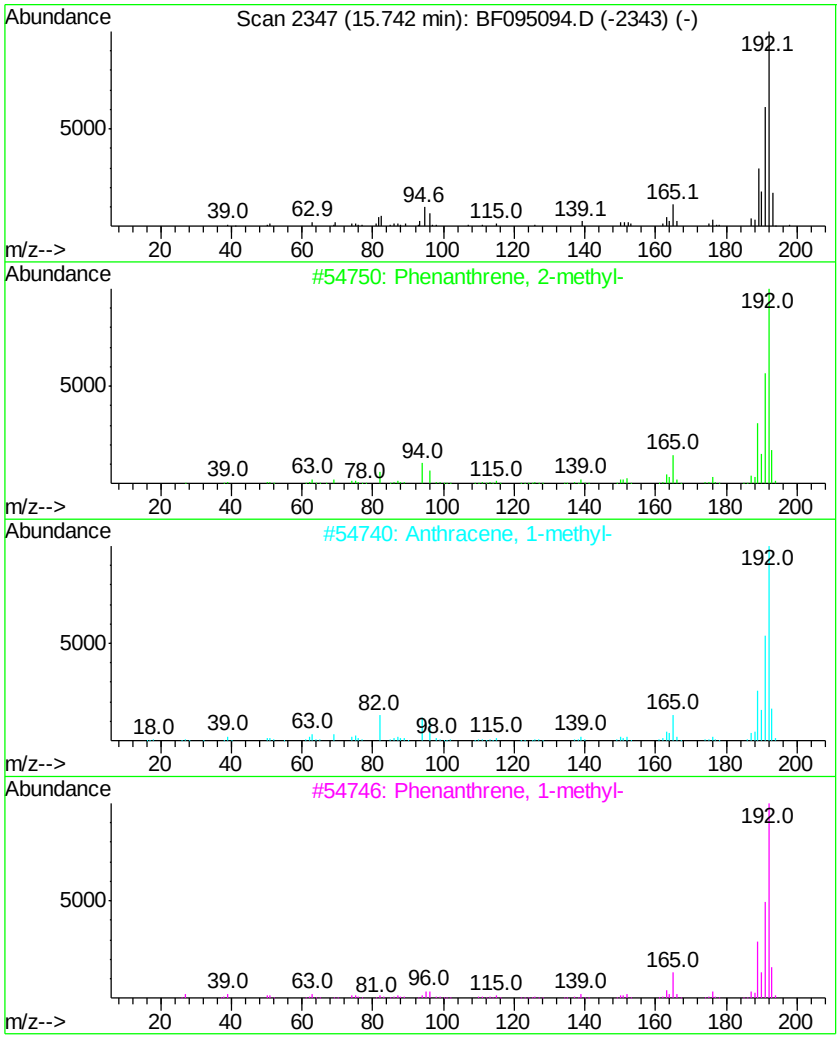
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

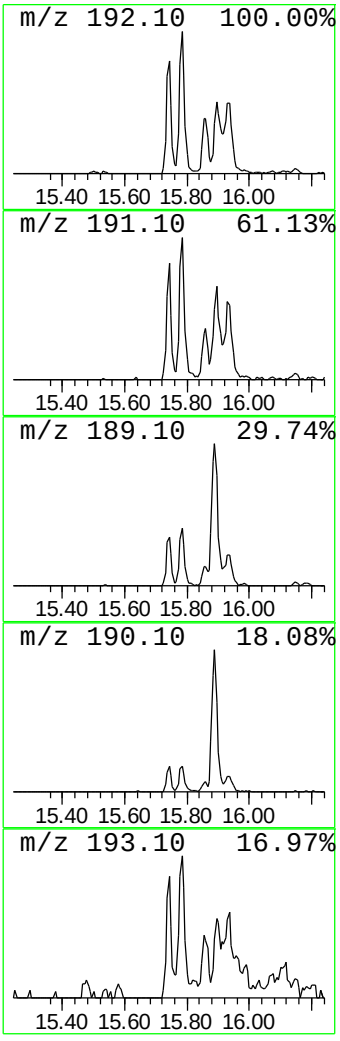
**********

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.74 | 3.34 ng | 126879 | Phenanthrene-d10 | 14.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 2 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 95 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 94 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 94 |
| 5 | 5H-Dibenzo[a,d]cycloheptene | 192 | C15H12 | 000256-81-5 | 93 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\
Data File : BF095094.D
Acq On : 11 May 2017 22:49
Operator : SJ/MA
Sample : I3065-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

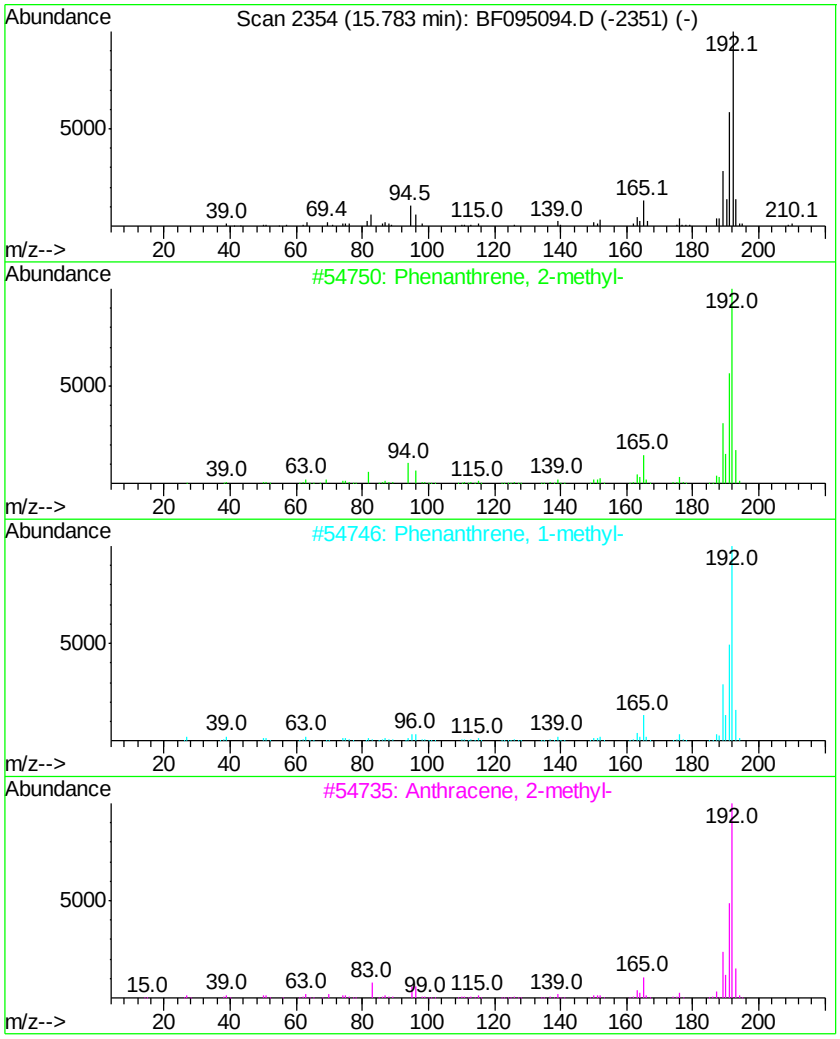
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

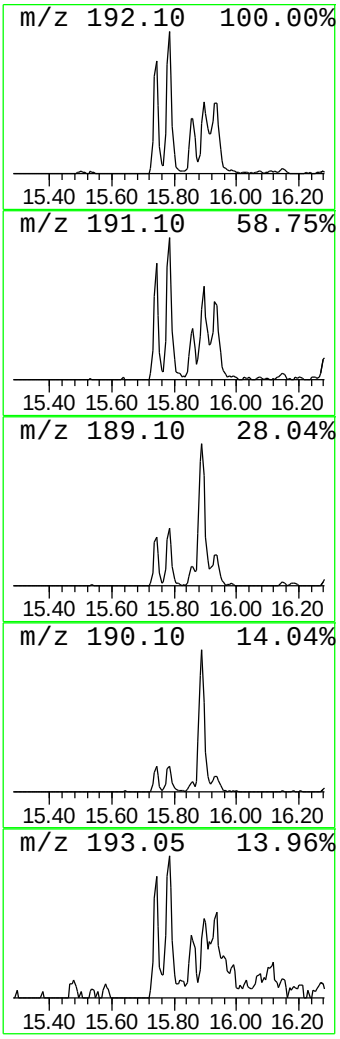
**********

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.78 | 4.46 ng | 169319 | Phenanthrene-d10 | 14.95 |

| 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 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 95 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 94 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\
Data File : BF095094.D
Acq On : 11 May 2017 22:49
Operator : SJ/MA
Sample : I3065-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

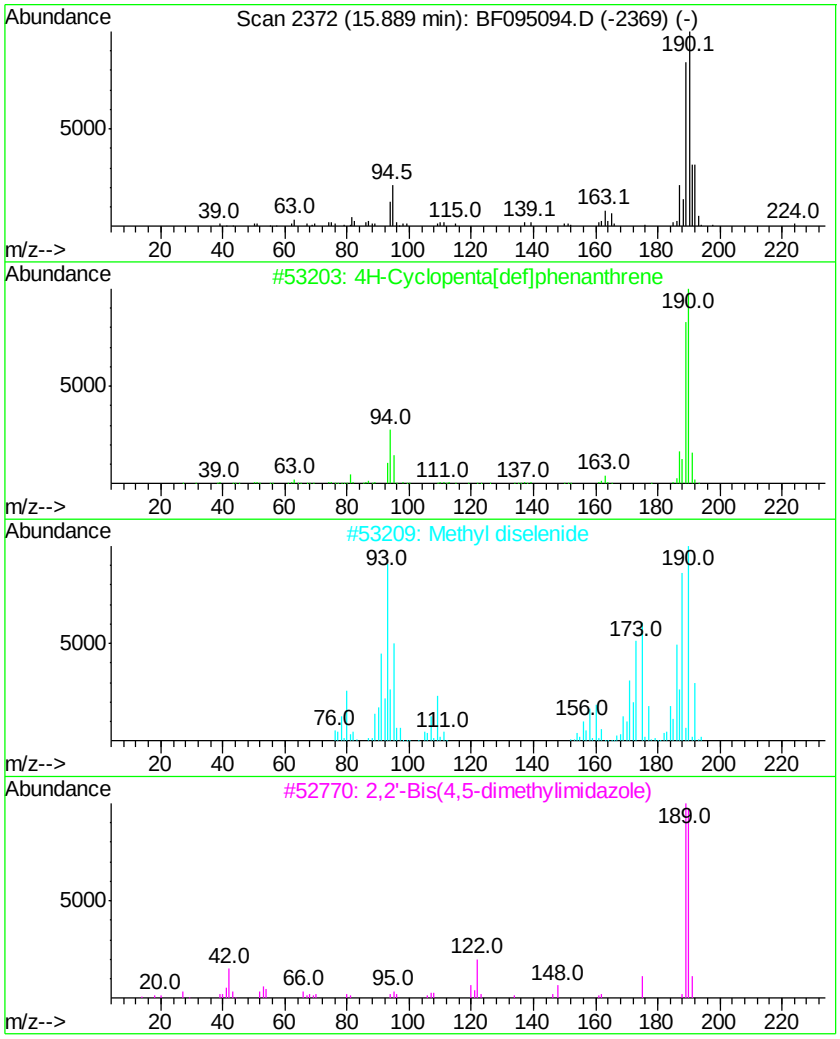
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

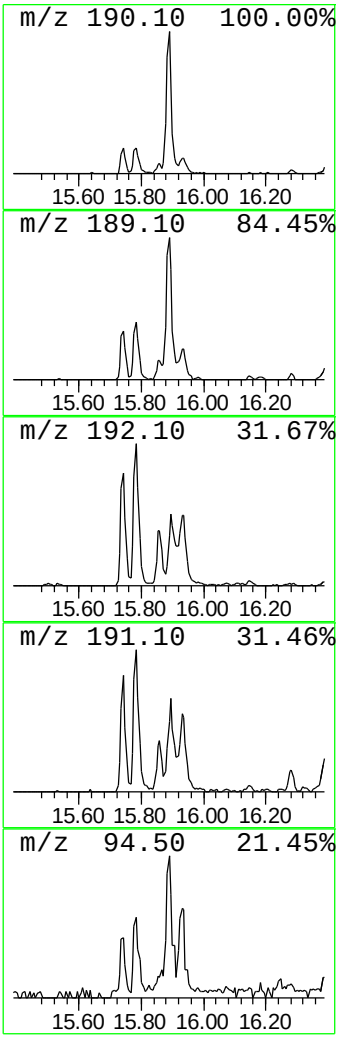
**********

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.89 | 5.32 ng | 201858 | Phenanthrene-d10 | 14.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 87 |
| 2 | Methyl diselenide | 190 | C2H6Se2 | 007101-31-7 | 55 |
| 3 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 40 |
| 4 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 36 |
| 5 | 1,1'-Biphenyl, 4,4'-difluoro- | 190 | C12H8F2 | 000398-23-2 | 23 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\
Data File : BF095094.D
Acq On : 11 May 2017 22:49
Operator : SJ/MA
Sample : I3065-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

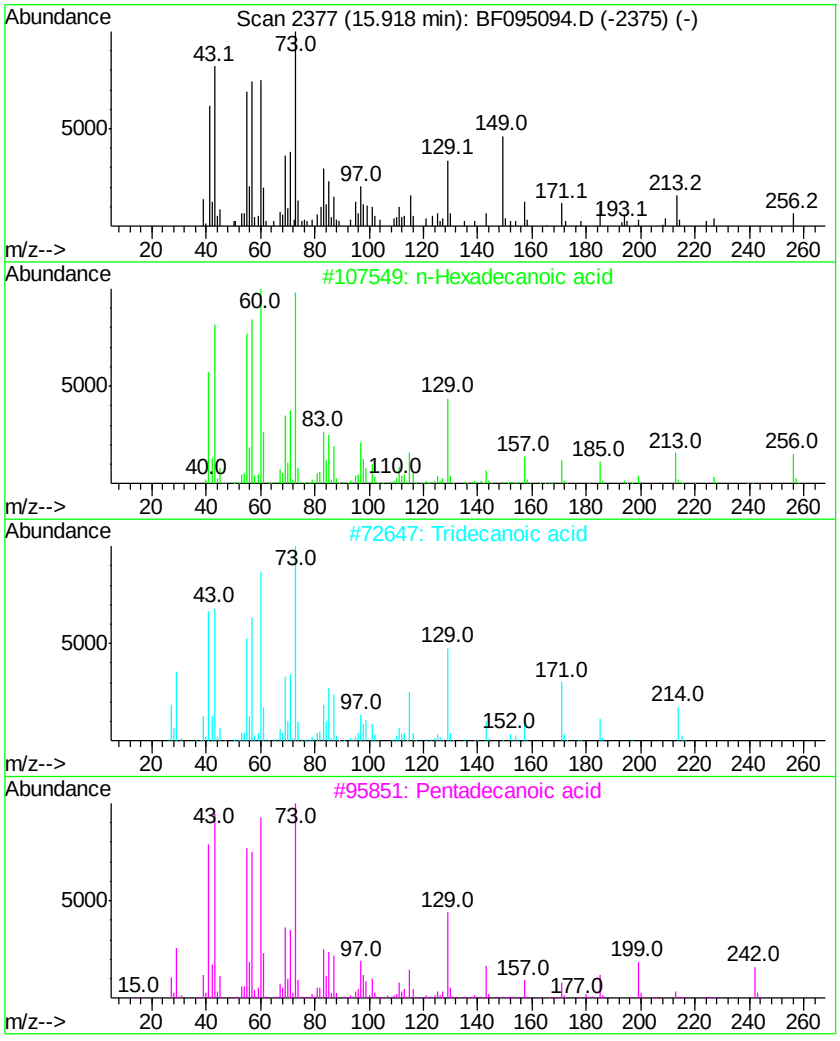
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

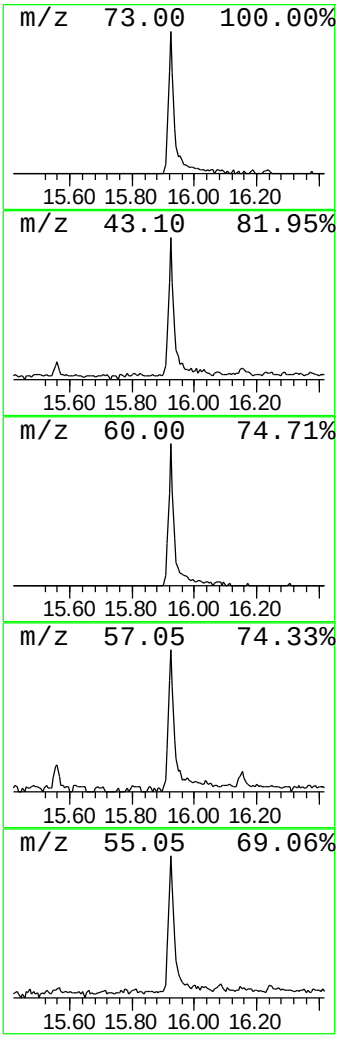
**********

Peak Number 7 n-Hexadecanoic acid Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.92 | 10.66 ng | 404618 | Phenanthrene-d10 | 14.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 91 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 76 |
| 4 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 70 |
| 5 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 68 |



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Data File : BF095094.D
Acq On : 11 May 2017 22:49
Operator : SJ/MA
Sample : I3065-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

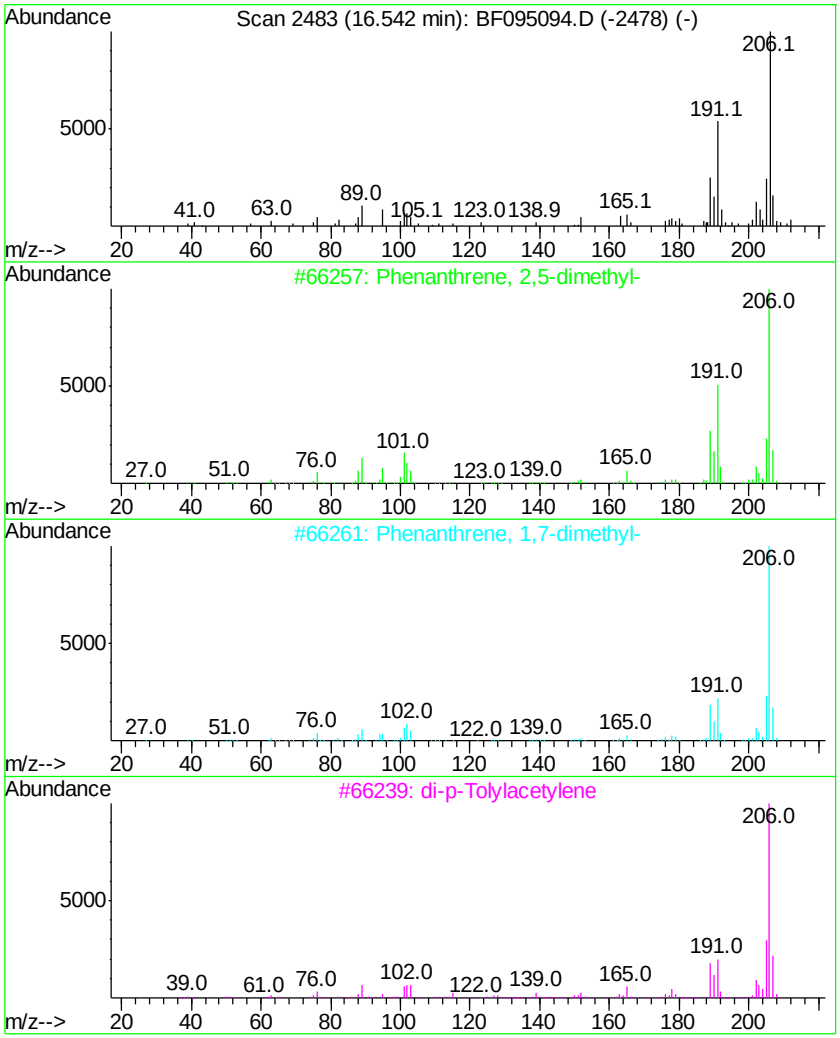
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

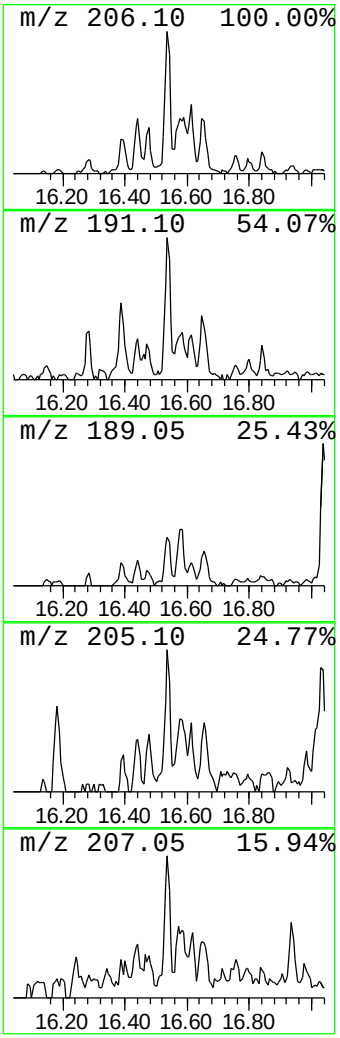
**********

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.54 | 2.71 ng | 102990 | Phenanthrene-d10 | 14.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 96 |
| 2 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 96 |
| 3 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 95 |
| 4 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 95 |
| 5 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 90 |



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Data File : BF095094.D
Acq On : 11 May 2017 22:49
Operator : SJ/MA
Sample : I3065-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

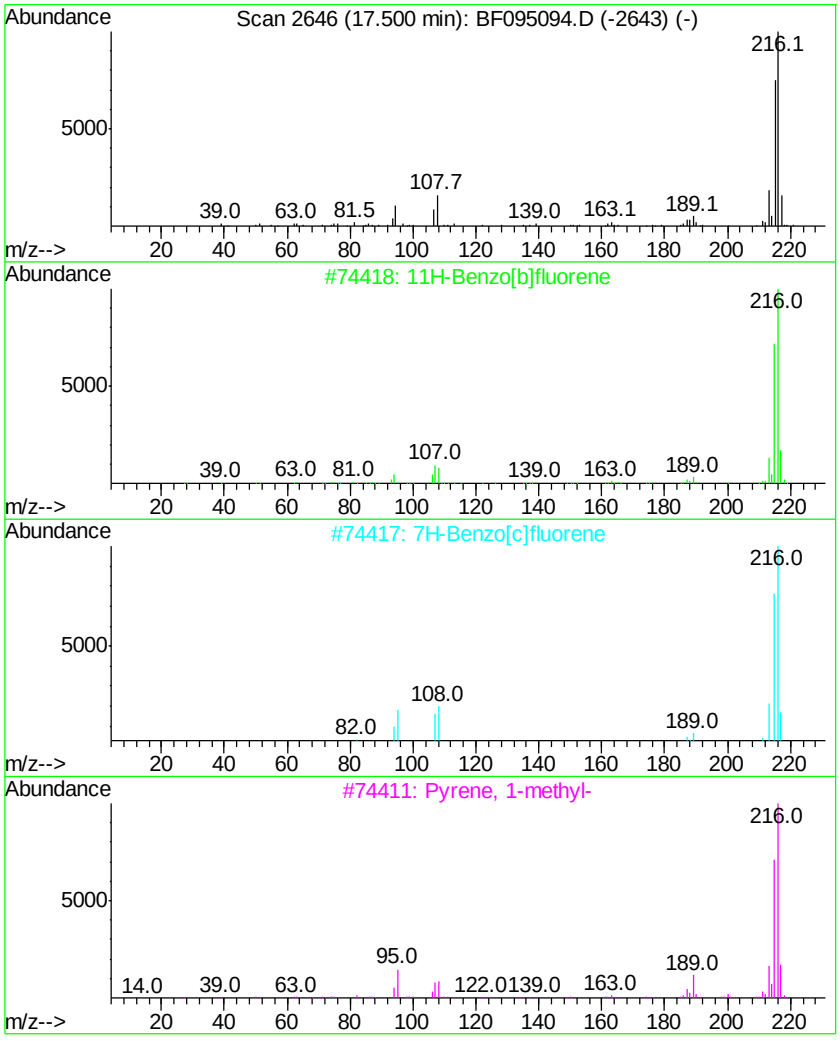
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

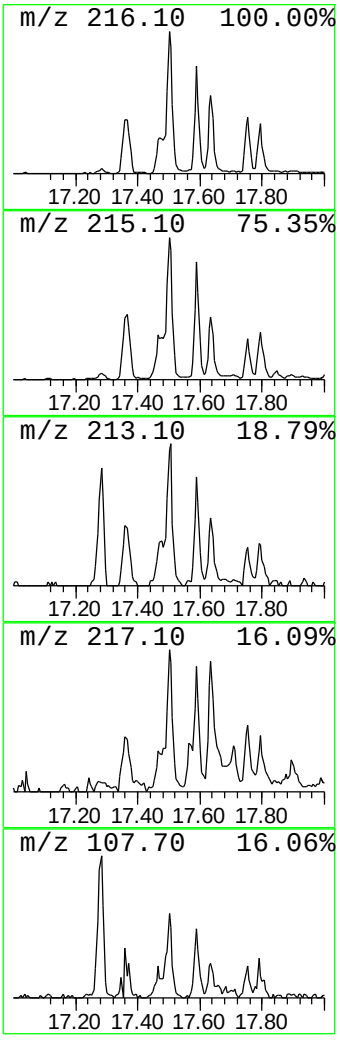
**********

Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.50 | 3.21 ng | 261257 | Chrysene-d12 | 18.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 91 |
| 2 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 90 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 90 |
| 4 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 90 |
| 5 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 87 |



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Data File : BF095094.D
Acq On : 11 May 2017 22:49
Operator : SJ/MA
Sample : I3065-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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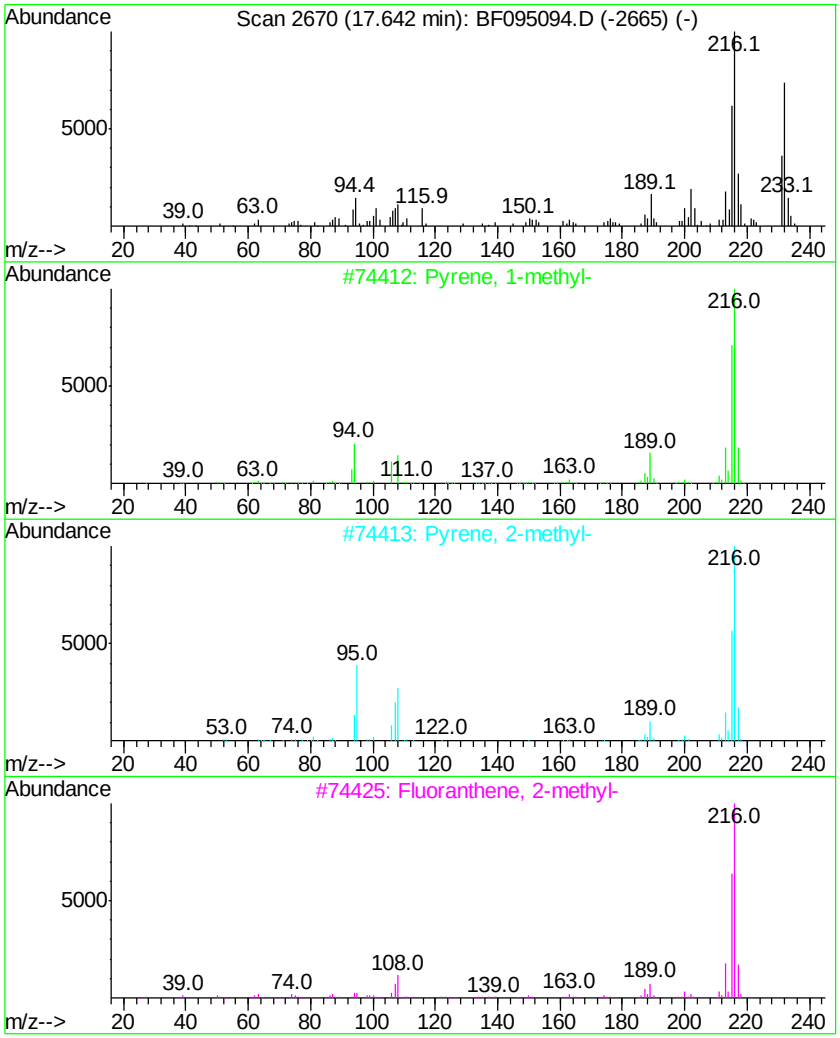
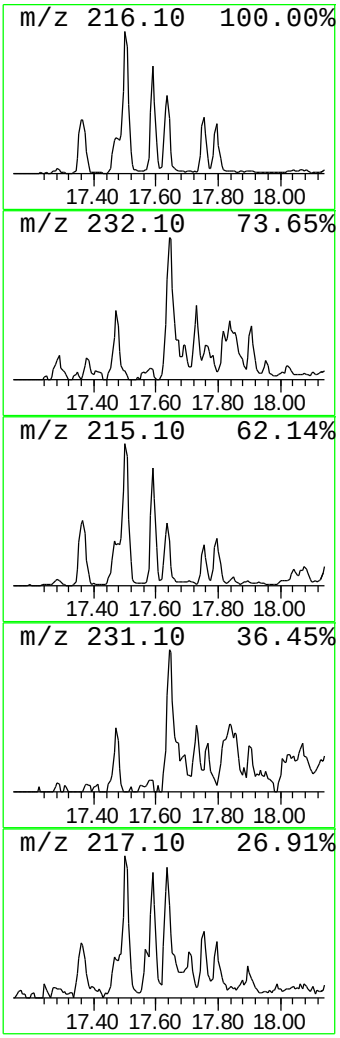
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.64 | 3.54 ng | 288036 | Chrysene-d12 | 18.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 97 |
| 2 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 86 |
| 3 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 70 |
| 4 | Pyrene, 4-methyl- | 216 | C17H12 | 003353-12-6 | 58 |
| 5 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 58 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\
Data File : BF095094.D
Acq On : 11 May 2017 22:49
Operator : SJ/MA
Sample : I3065-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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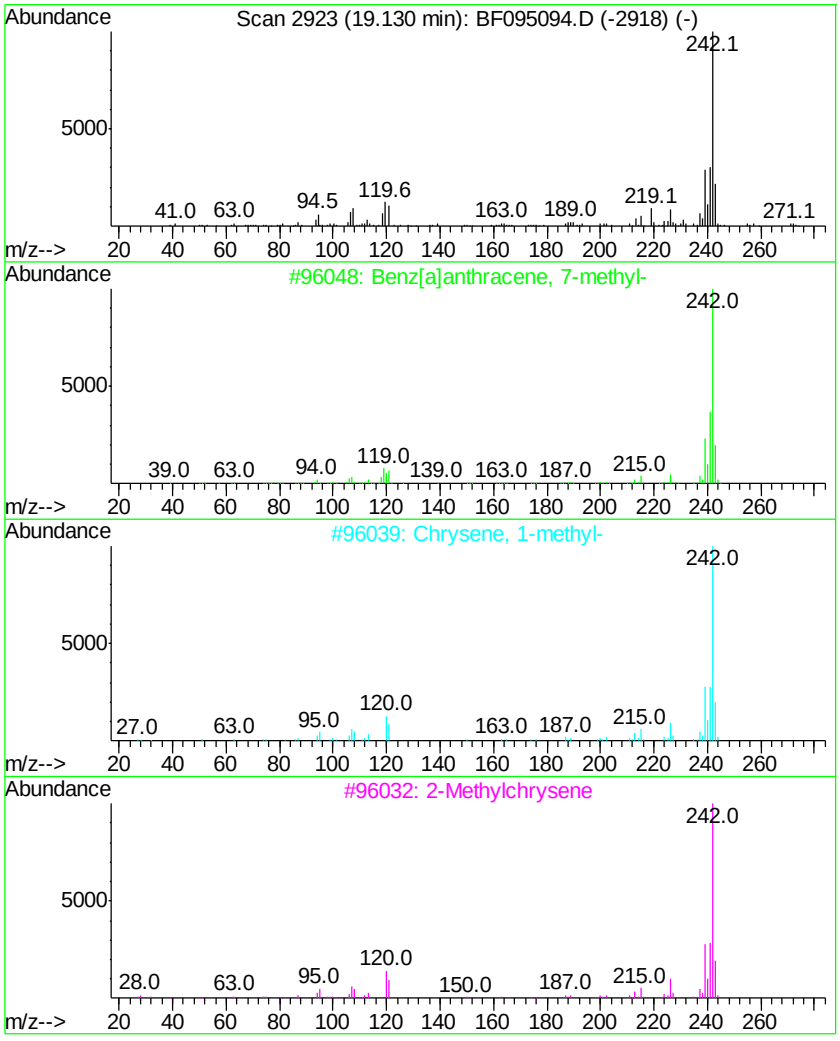
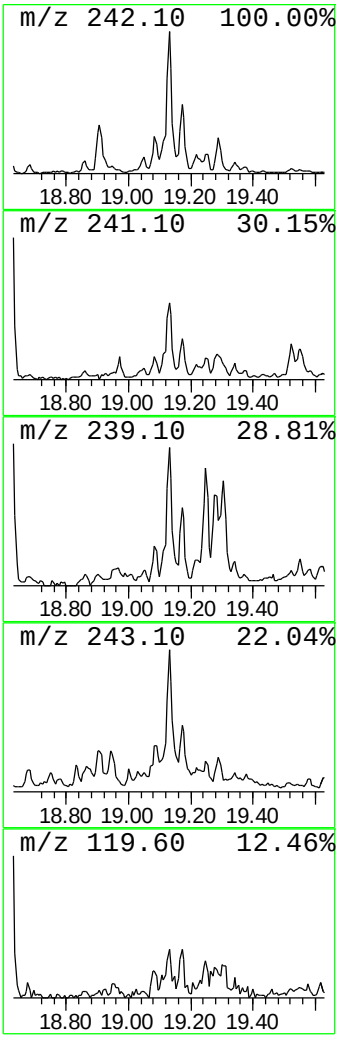
Peak Number 11 Benz[a]anthracene, 7-methyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.13 | 3.09 ng | 251982 | Chrysene-d12 | 18.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benz[a]anthracene, 7-methyl- | 242 | C19H14 | 002541-69-7 | 94 |
| 2 | Chrysene, 1-methyl- | 242 | C19H14 | 003351-28-8 | 93 |
| 3 | 2-Methylchrysene | 242 | C19H14 | 003351-32-4 | 92 |
| 4 | Triphenylene, 2-methyl- | 242 | C19H14 | 001705-84-6 | 90 |
| 5 | Chrysene, 5-methyl- | 242 | C19H14 | 003697-24-3 | 89 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\
Data File : BF095094.D
Acq On : 11 May 2017 22:49
Operator : SJ/MA
Sample : I3065-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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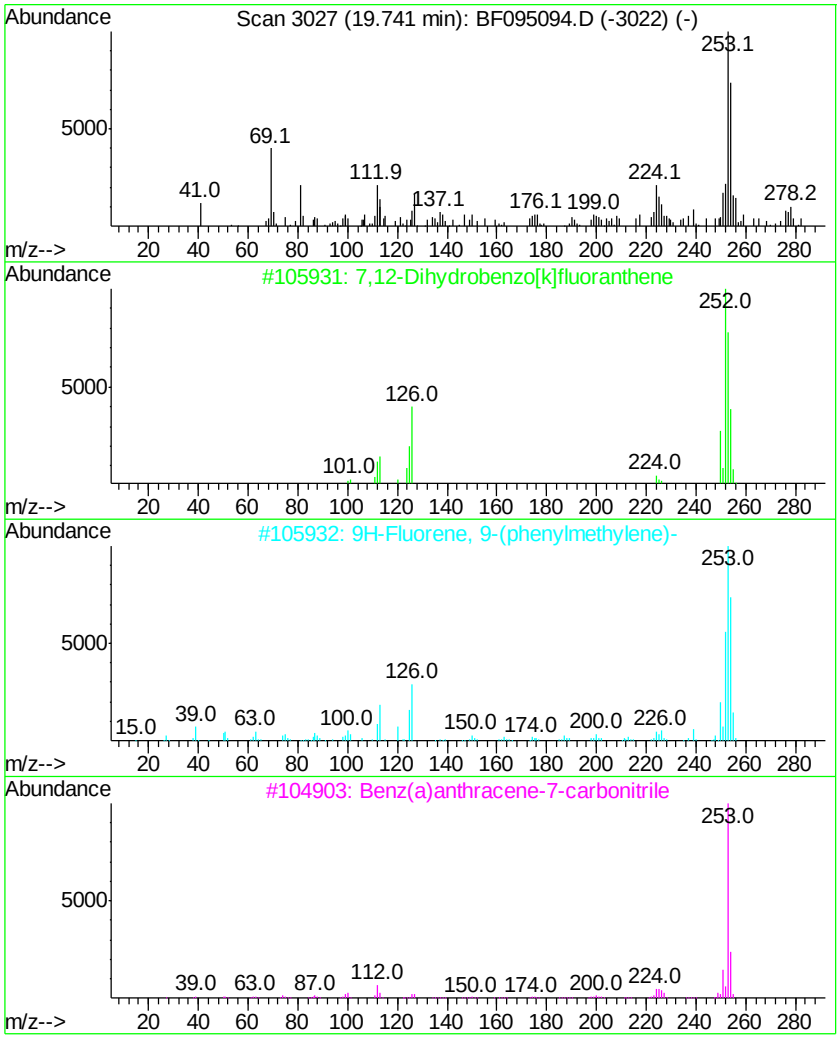
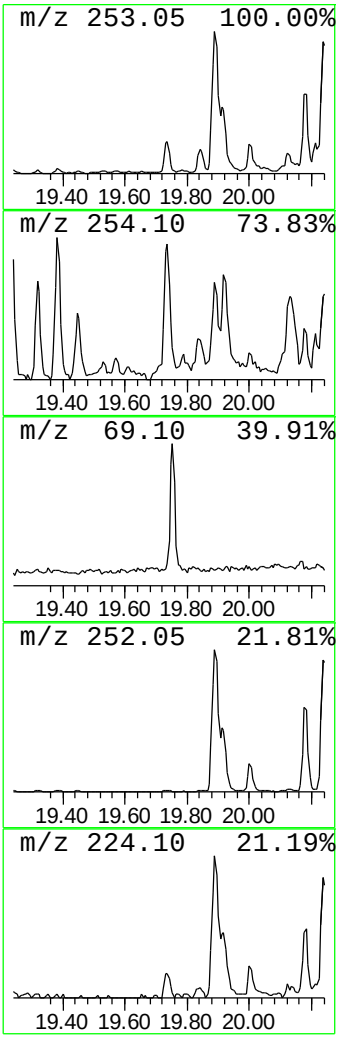
Peak Number 12 7,12-Dihydrobenzo[k]fluoran... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.74 | 3.70 ng | 91947 | Perylene-d12 | 20.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7,12-Dihydrobenzo[k]fluoranthene | 254 | C20H14 | 1000080-17-7 | 62 |
| 2 | 9H-Fluorene, 9-(phenylmethylene)- | 254 | C20H14 | 001836-87-9 | 62 |
| 3 | Benz(a)anthracene-7-carbonitrile | 253 | C19H11N | 007476-08-6 | 55 |
| 4 | Pyrido[2,3-g]indole, 5-methoxy-2... | 254 | C16H18N2O | 201991-45-9 | 52 |
| 5 | 1,2-Dihydrobenzo[b]fluoranthene | 254 | C20H14 | 100516-13-0 | 50 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\
Data File : BF095094.D
Acq On : 11 May 2017 22:49
Operator : SJ/MA
Sample : I3065-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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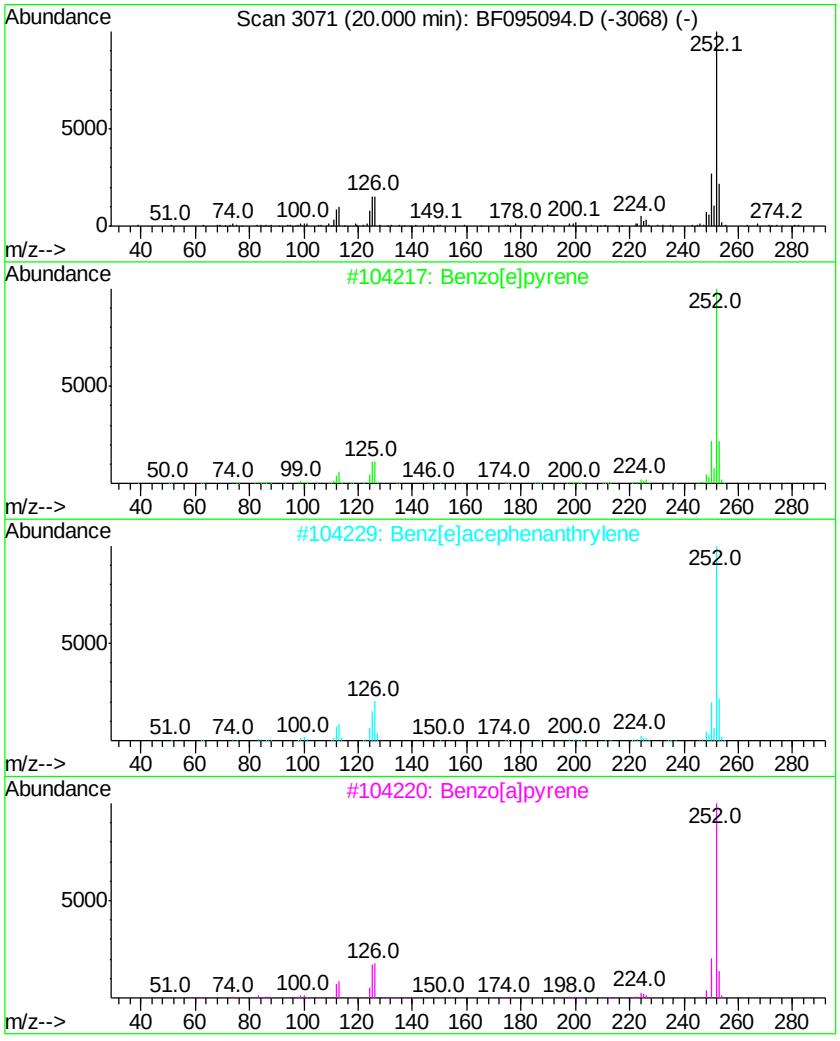
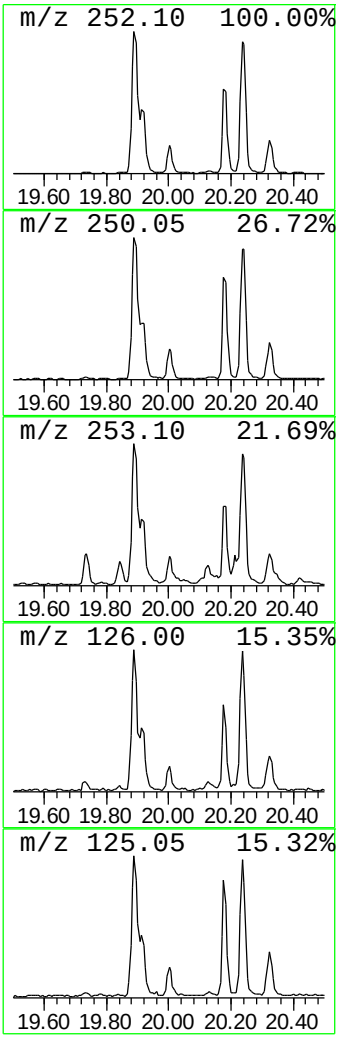
Peak Number 13 Benzo[e]pyrene Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.00 | 5.82 ng | 144757 | Perylene-d12 | 20.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 96 |
| 2 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 96 |
| 3 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 93 |
| 4 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 90 |
| 5 | Perylene | 252 | C20H12 | 000198-55-0 | 90 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\
Data File : BF095094.D
Acq On : 11 May 2017 22:49
Operator : SJ/MA
Sample : I3065-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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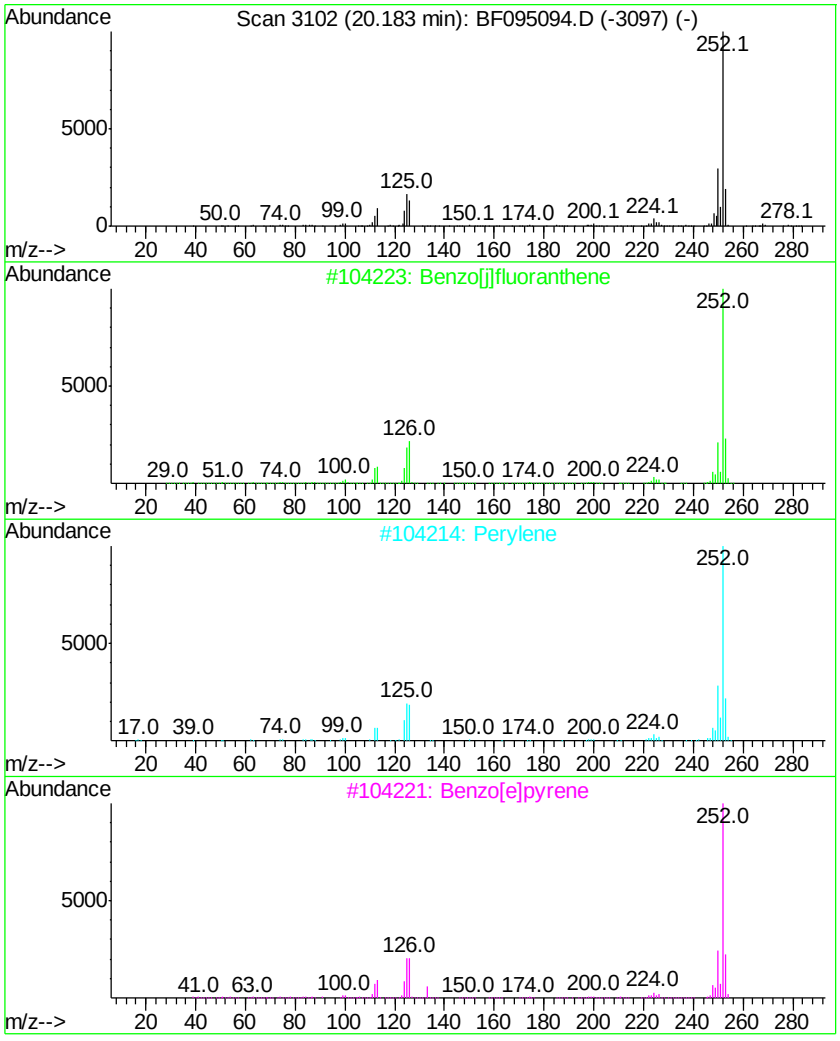
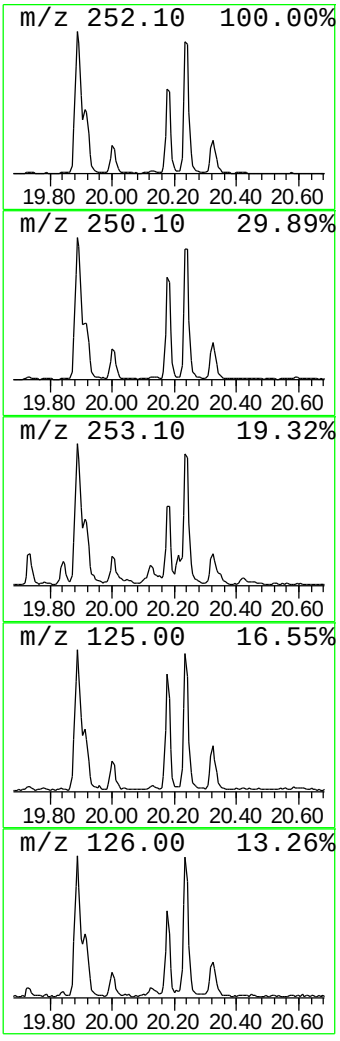
Peak Number 14 Benzo[j]fluoranthene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.18 | 21.42 ng | 532879 | Perylene-d12 | 20.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 95 |
| 2 | Perylene | 252 | C20H12 | 000198-55-0 | 95 |
| 3 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 94 |
| 4 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 94 |
| 5 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 93 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\
Data File : BF095094.D
Acq On : 11 May 2017 22:49
Operator : SJ/MA
Sample : I3065-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

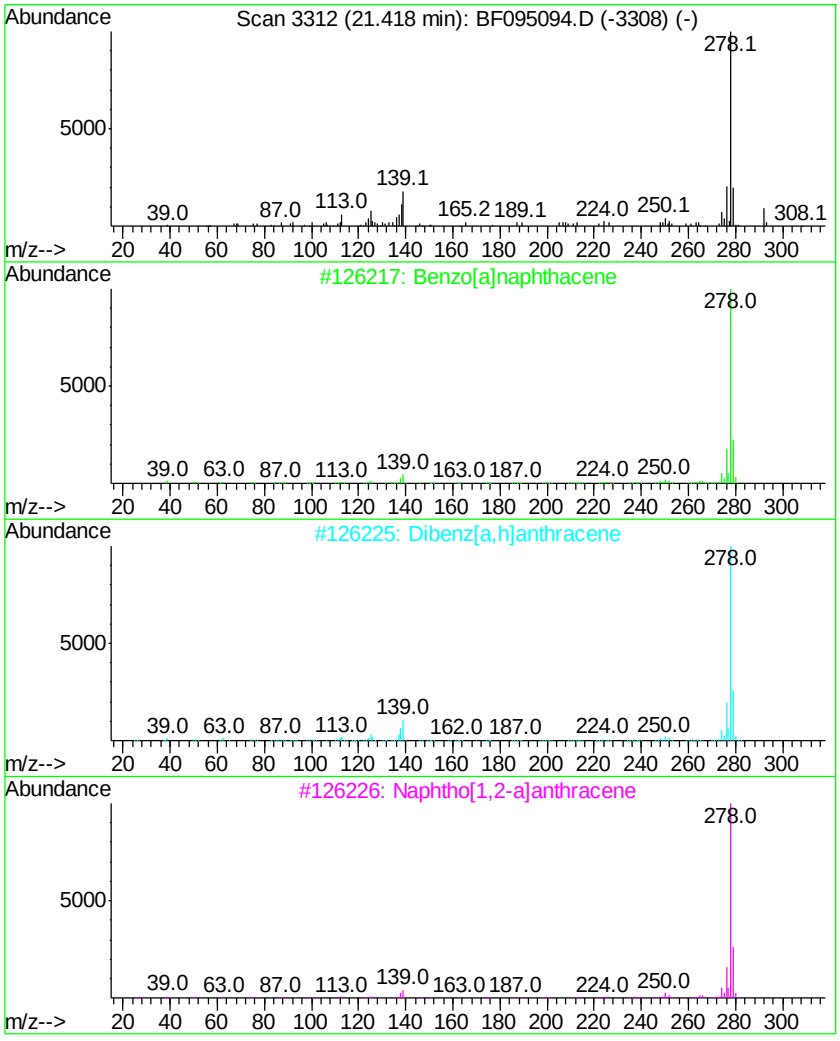
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

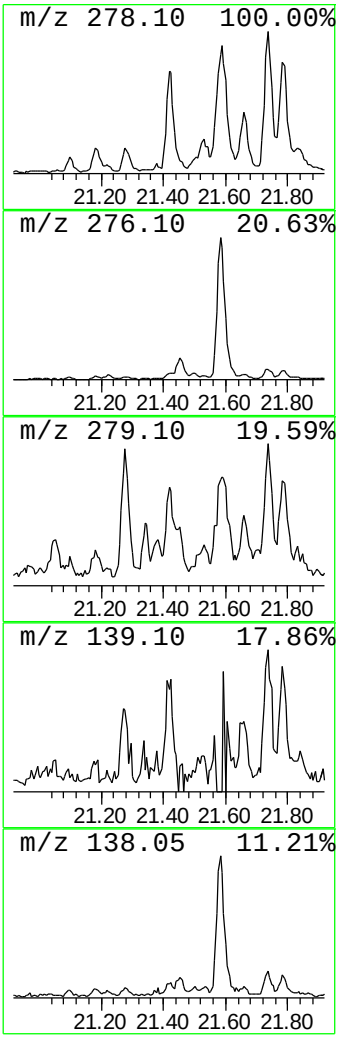
**********

Peak Number 15 Benzo[a]naphthacene Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.42 | 2.89 ng | 71810 | Perylene-d12 | 20.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[a]naphthacene | 278 | C22H14 | 000226-88-0 | 90 |
| 2 | Dibenz[a,h]anthracene | 278 | C22H14 | 000053-70-3 | 89 |
| 3 | Naphtho[1,2-a]anthracene | 278 | C22H14 | 000195-06-2 | 76 |
| 4 | Pentaphene | 278 | C22H14 | 000222-93-5 | 76 |
| 5 | Benzo[b]triphenylene | 278 | C22H14 | 000215-58-7 | 76 |



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Data File : BF095094.D
Acq On : 11 May 2017 22:49
Operator : SJ/MA
Sample : I3065-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

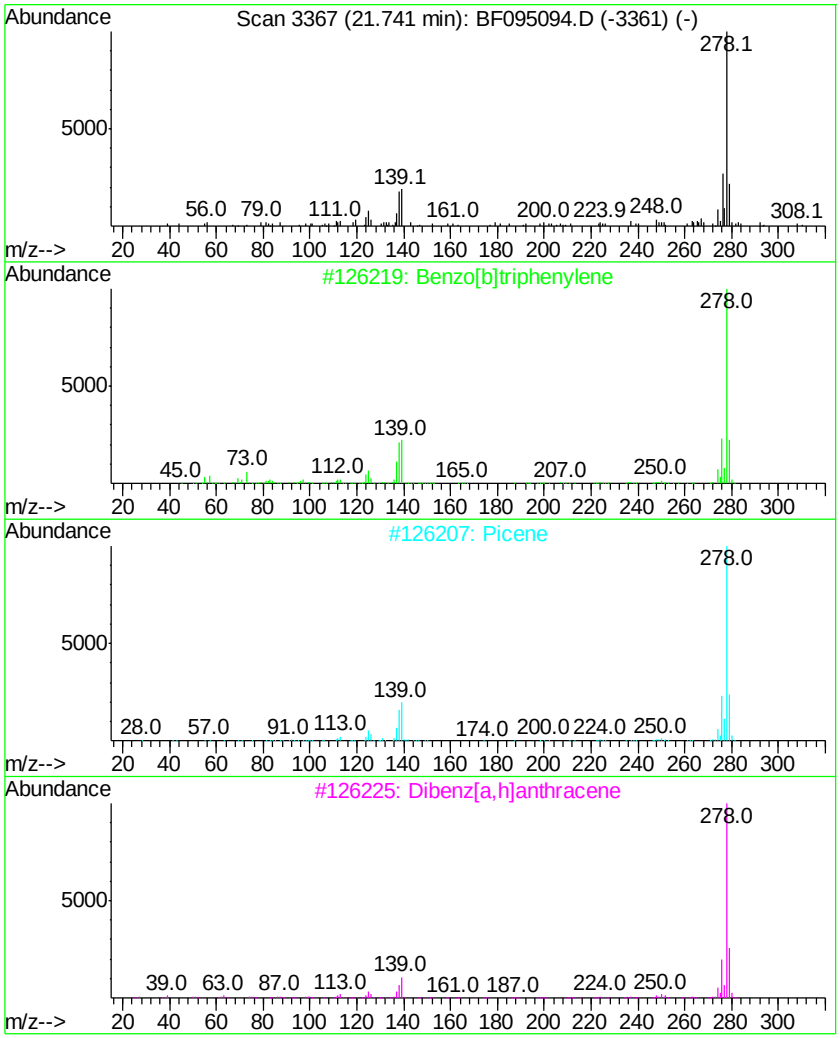
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

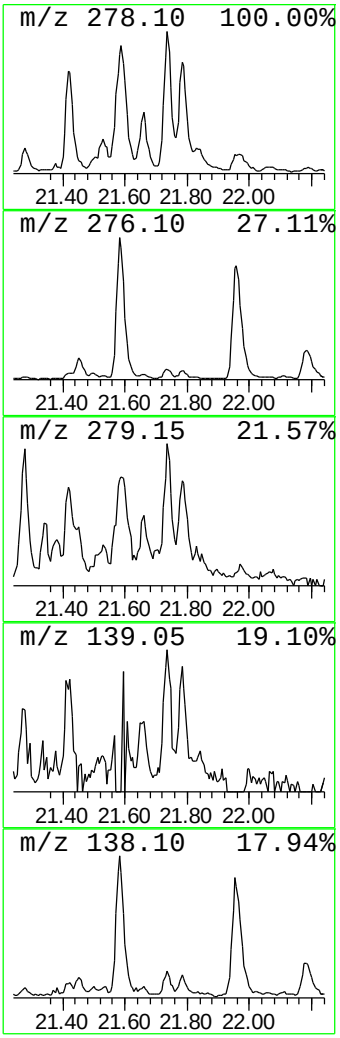
**********

Peak Number 16 Benzo[b]triphenylene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.74 | 6.16 ng | 153172 | Perylene-d12 | 20.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]triphenylene | 278 | C22H14 | 000215-58-7 | 93 |
| 2 | Picene | 278 | C22H14 | 000213-46-7 | 89 |
| 3 | Dibenz[a,h]anthracene | 278 | C22H14 | 000053-70-3 | 89 |
| 4 | Pentaphene | 278 | C22H14 | 000222-93-5 | 89 |
| 5 | Benzo[b]chrysene | 278 | C22H14 | 000214-17-5 | 76 |



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Data File : BF095094.D
Acq On : 11 May 2017 22:49
Operator : SJ/MA
Sample : I3065-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

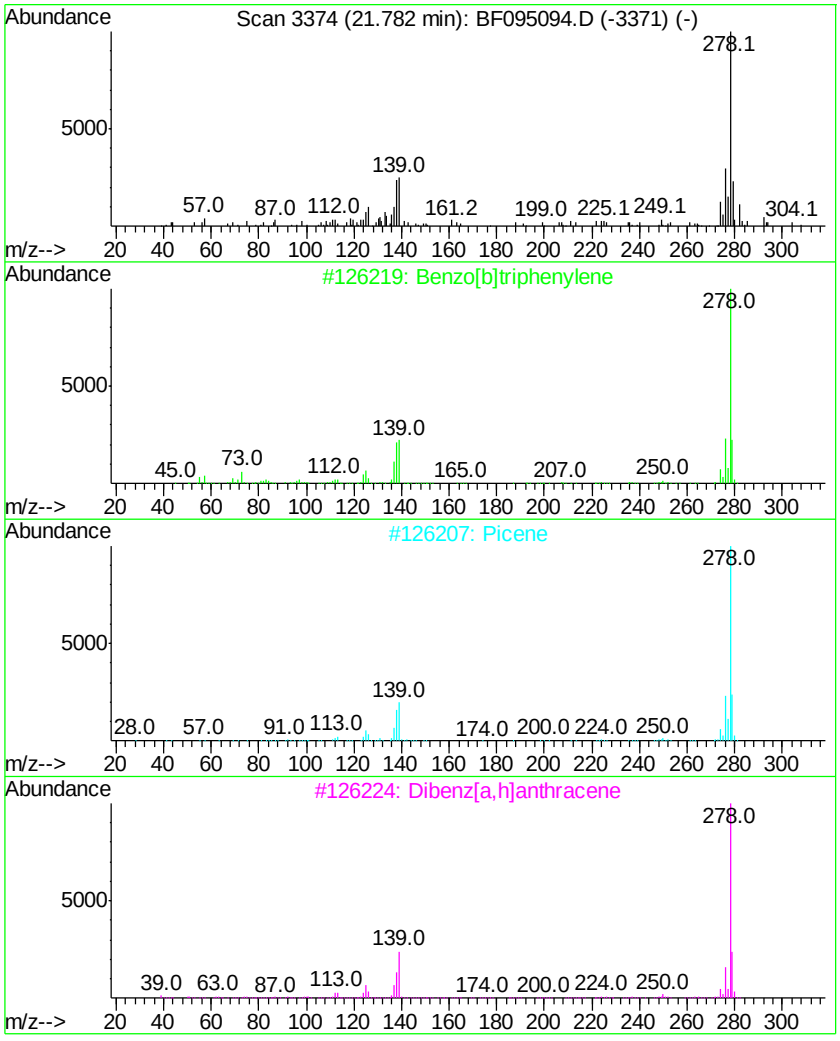
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

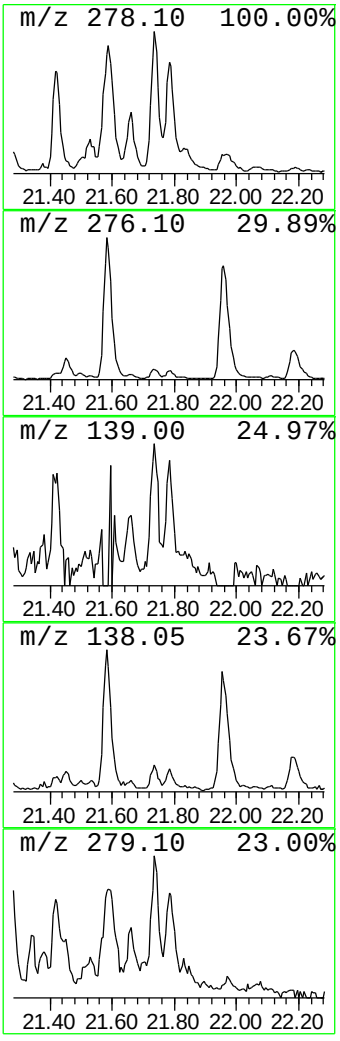
**********

Peak Number 17 Picene Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.78 | 5.17 ng | 128750 | Perylene-d12 | 20.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]triphenylene | 278 | C22H14 | 000215-58-7 | 76 |
| 2 | Picene | 278 | C22H14 | 000213-46-7 | 70 |
| 3 | Dibenz[a,h]anthracene | 278 | C22H14 | 000053-70-3 | 62 |
| 4 | Benzo[b]chrysene | 278 | C22H14 | 000214-17-5 | 62 |
| 5 | Dibenz[a,j]anthracene | 278 | C22H14 | 000224-41-9 | 53 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\
Data File : BF095094.D
Acq On : 11 May 2017 22:49
Operator : SJ/MA
Sample : I3065-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

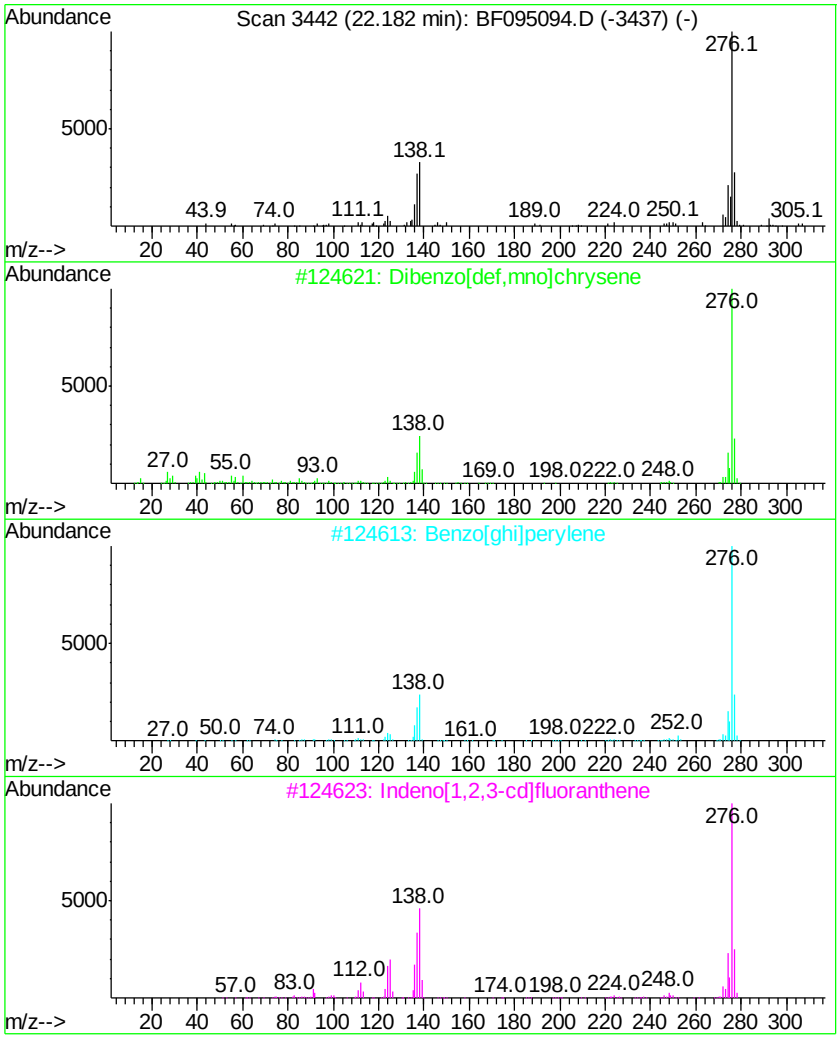
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

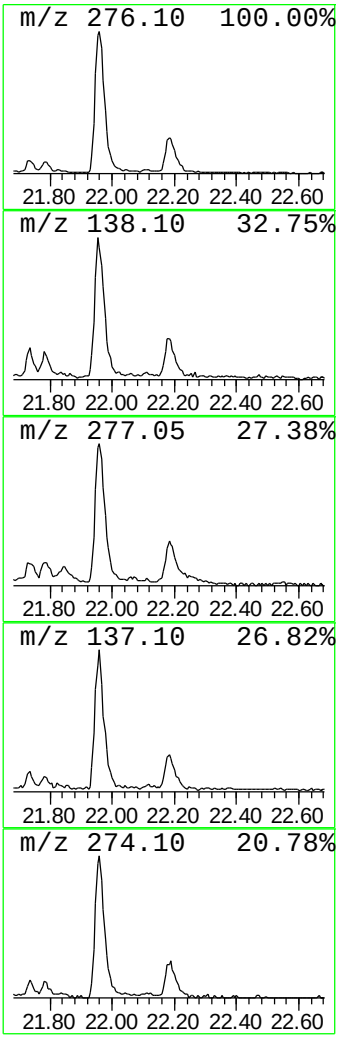
**********

Peak Number 18 Dibenzo[def,mno]chrysene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.18 | 8.62 ng | 214519 | Perylene-d12 | 20.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzo[def,mno]chrysene | 276 | C22H12 | 000191-26-4 | 95 |
| 2 | Benzo[ghi]perylene | 276 | C22H12 | 000191-24-2 | 91 |
| 3 | Indeno[1,2,3-cd]fluoranthene | 276 | C22H12 | 000193-43-1 | 91 |
| 4 | Indeno[1,2,3-cd]pyrene | 276 | C22H12 | 000193-39-5 | 90 |
| 5 | 6H-Pyrido[4,3-b]carbazole, 9-met... | 276 | C18H16N2O | 010371-86-5 | 46 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\
Data File : BF095094.D
Acq On : 11 May 2017 22:49
Operator : SJ/MA
Sample : I3065-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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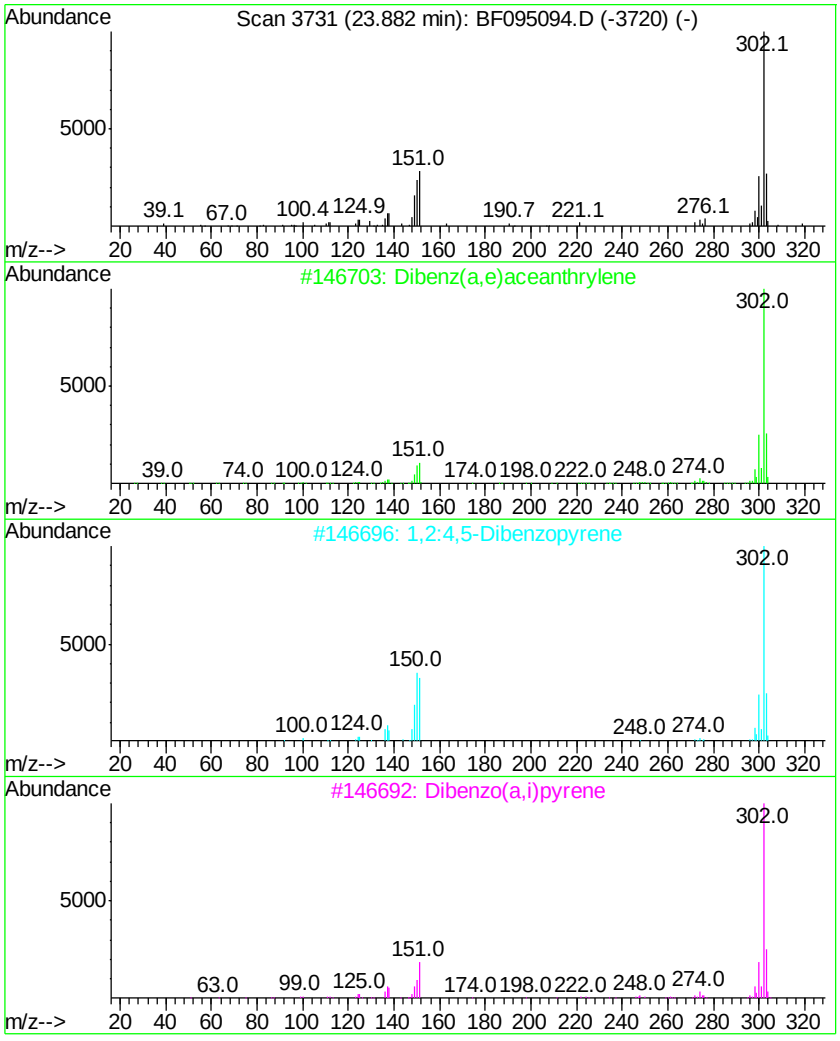
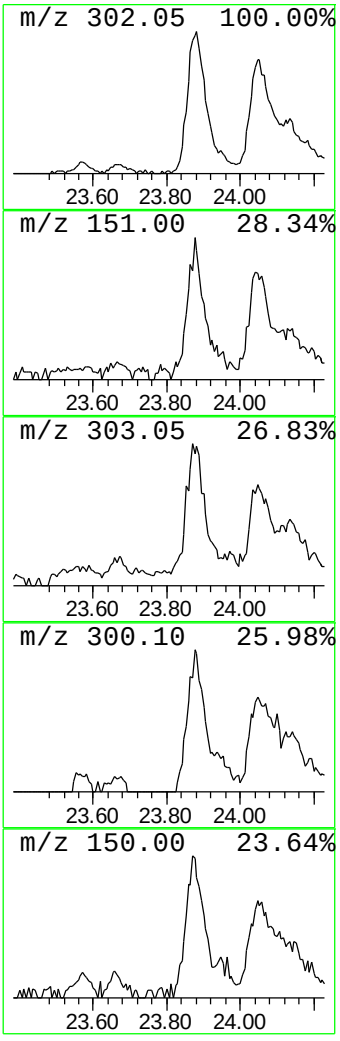
Peak Number 19 Dibenz(a,e)aceanthrylene Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.88 | 8.48 ng | 211025 | Perylene-d12 | 20.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenz(a,e)aceanthrylene | 302 | C24H14 | 005385-75-1 | 98 |
| 2 | 1,2:4,5-Dibenzopyrene | 302 | C24H14 | 000192-65-4 | 98 |
| 3 | Dibenzo(a,i)pyrene | 302 | C24H14 | 000189-55-9 | 95 |
| 4 | 3,4:8,9-Dibenzopyrene | 302 | C24H14 | 000189-64-0 | 94 |
| 5 | 1,2,9,10-Dibenzopyrene | 302 | C24H14 | 000191-30-0 | 86 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\
Data File : BF095094.D
Acq On : 11 May 2017 22:49
Operator : SJ/MA
Sample : I3065-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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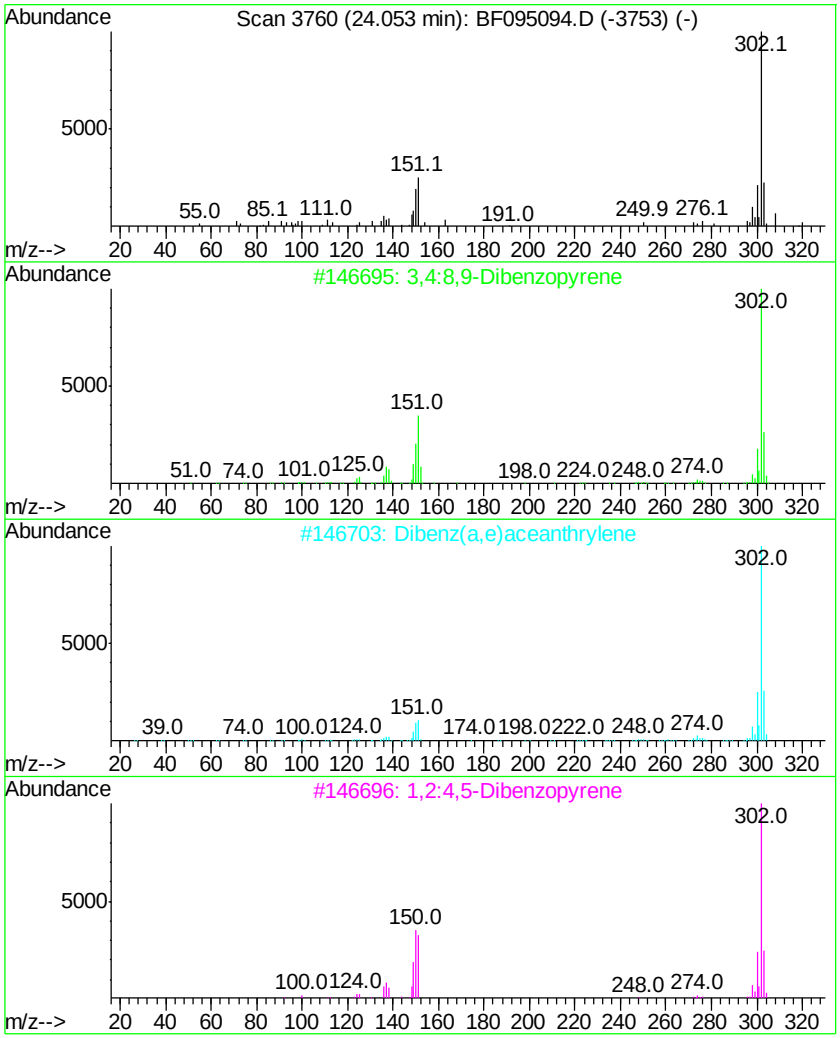
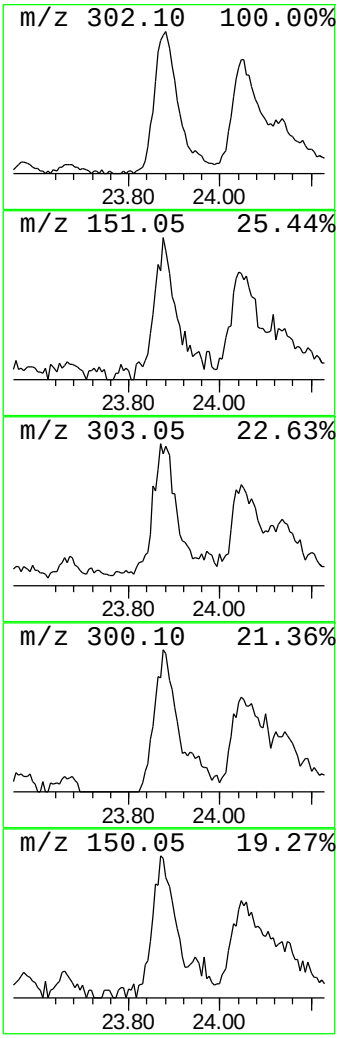
Peak Number 20 3,4:8,9-Dibenzopyrene Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.05 | 5.56 ng | 138376 | Perylene-d12 | 20.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3,4:8,9-Dibenzopyrene | 302 | C24H14 | 000189-64-0 | 95 |
| 2 | Dibenz(a,e)aceanthrylene | 302 | C24H14 | 005385-75-1 | 94 |
| 3 | 1,2:4,5-Dibenzopyrene | 302 | C24H14 | 000192-65-4 | 90 |
| 4 | Dibenzo(a,i)pyrene | 302 | C24H14 | 000189-55-9 | 89 |
| 5 | 1,2,9,10-Dibenzopyrene | 302 | C24H14 | 000191-30-0 | 76 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051117\
Data File : BF095094.D
Acq On : 11 May 2017 22:49
Operator : SJ/MA
Sample : I3065-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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 |
| 2-Pentanone, 4-hy... | 5.01 | 31.0 | ng | 730112 | 1 | 7.70 | 470358 | 20.0 |
| unknown7.37 | 7.37 | 100.2 | ng | 2356330 | 1 | 7.70 | 470358 | 20.0 |
| Phenanthrene, 2-m... | 15.74 | 3.3 | ng | 126879 | 4 | 14.95 | 759270 | 20.0 |
| Phenanthrene, 1-m... | 15.78 | 4.5 | ng | 169319 | 4 | 14.95 | 759270 | 20.0 |
| 4H-Cyclopenta[def... | 15.89 | 5.3 | ng | 201858 | 4 | 14.95 | 759270 | 20.0 |
| n-Hexadecanoic acid | 15.92 | 10.7 | ng | 404618 | 4 | 14.95 | 759270 | 20.0 |
| Phenanthrene, 2,5... | 16.54 | 2.7 | ng | 102990 | 4 | 14.95 | 759270 | 20.0 |
| 11H-Benzo[b]fluorene | 17.50 | 3.2 | ng | 261257 | 5 | 18.62 | 1629110 | 20.0 |
| Pyrene, 1-methyl- | 17.64 | 3.5 | ng | 288036 | 5 | 18.62 | 1629110 | 20.0 |
| Benz[a]anthracene... | 19.13 | 3.1 | ng | 251982 | 5 | 18.62 | 1629110 | 20.0 |
| 7,12-Dihydrobenzo... | 19.74 | 3.7 | ng | 91947 | 6 | 20.29 | 497591 | 20.0 |
| Benzo[e]pyrene | 20.00 | 5.8 | ng | 144757 | 6 | 20.29 | 497591 | 20.0 |
| Benzo[j]fluoranthene | 20.18 | 21.4 | ng | 532879 | 6 | 20.29 | 497591 | 20.0 |
| Benzo[a]naphthacene | 21.42 | 2.9 | ng | 71810 | 6 | 20.29 | 497591 | 20.0 |
| Benzo[b]triphenylene | 21.74 | 6.2 | ng | 153172 | 6 | 20.29 | 497591 | 20.0 |
| Picene | 21.78 | 5.2 | ng | 128750 | 6 | 20.29 | 497591 | 20.0 |
| Dibenzo[def,mno]c... | 22.18 | 8.6 | ng | 214519 | 6 | 20.29 | 497591 | 20.0 |
| Dibenz(a,e)aceant... | 23.88 | 8.5 | ng | 211025 | 6 | 20.29 | 497591 | 20.0 |
| 3,4:8,9-Dibenzopy... | 24.05 | 5.6 | ng | 138376 | 6 | 20.29 | 497591 | 20.0 |