LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
Data File : BP005675.D
Acq On : 02 Jun 2021 20:38
Operator : CG/JU
Sample : M2580-14 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** 18-B5(2-4)

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\8270E-BP052721.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP005675.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.117 | 3 | 5 | 11 | rVB | 713526 | 810958 | 7.05% | 0.601% |
| 2 | 5.552 | 412 | 419 | 429 | rBV | 1791219 | 2654462 | 23.07% | 1.966% |
| 3 | 7.152 | 683 | 691 | 702 | rBV | 1683673 | 2723766 | 23.67% | 2.017% |
| 4 | 7.993 | 827 | 834 | 842 | rBV | 1331517 | 2085646 | 18.12% | 1.545% |
| 5 | 9.152 | 1024 | 1031 | 1042 | rBV | 1027137 | 1701278 | 14.78% | 1.260% |
| 6 | 10.798 | 1302 | 1311 | 1317 | rBV | 1689033 | 2845776 | 24.73% | 2.108% |
| 7 | 10.851 | 1317 | 1320 | 1327 | rVB | 79997 | 121339 | 1.05% | 0.090% |
| 8 | 12.451 | 1586 | 1592 | 1599 | rVB | 102260 | 159331 | 1.38% | 0.118% |
| 9 | 12.669 | 1624 | 1629 | 1637 | rVB | 124915 | 186233 | 1.62% | 0.138% |
| 10 | 13.240 | 1719 | 1726 | 1733 | rBV | 2937056 | 4366305 | 37.94% | 3.234% |
| 11 | 13.940 | 1838 | 1845 | 1850 | rBV | 163304 | 284375 | 2.47% | 0.211% |
| 12 | 13.992 | 1850 | 1854 | 1859 | rVB | 94855 | 129204 | 1.12% | 0.096% |
| 13 | 14.069 | 1859 | 1867 | 1877 | rVB | 270205 | 405619 | 3.52% | 0.300% |
| 14 | 14.175 | 1877 | 1885 | 1888 | rBV2 | 89882 | 146181 | 1.27% | 0.108% |
| 15 | 14.339 | 1903 | 1913 | 1921 | rBV | 170433 | 298864 | 2.60% | 0.221% |
| 16 | 14.616 | 1950 | 1960 | 1966 | rBV | 2470377 | 3734825 | 32.45% | 2.766% |
| 17 | 14.675 | 1966 | 1970 | 1978 | rVB | 492676 | 738570 | 6.42% | 0.547% |
| 18 | 14.822 | 1988 | 1995 | 2003 | rBV3 | 48235 | 124068 | 1.08% | 0.092% |
| 19 | 15.010 | 2021 | 2027 | 2034 | rVV | 293285 | 461708 | 4.01% | 0.342% |
| 20 | 15.087 | 2035 | 2040 | 2045 | rVB | 88198 | 123966 | 1.08% | 0.092% |
| 21 | 15.228 | 2059 | 2064 | 2069 | rBV2 | 80972 | 135631 | 1.18% | 0.100% |
| 22 | 15.404 | 2086 | 2094 | 2096 | rBV3 | 68579 | 141646 | 1.23% | 0.105% |
| 23 | 15.657 | 2131 | 2137 | 2148 | rBV2 | 503400 | 784170 | 6.81% | 0.581% |
| 24 | 15.822 | 2161 | 2165 | 2169 | rVB3 | 113172 | 161653 | 1.40% | 0.120% |
| 25 | 15.951 | 2182 | 2187 | 2196 | rVB | 169152 | 289299 | 2.51% | 0.214% |
| 26 | 16.098 | 2205 | 2212 | 2220 | rBV | 2615059 | 3767658 | 32.74% | 2.790% |
| 27 | 16.328 | 2247 | 2251 | 2259 | rVB3 | 110016 | 207986 | 1.81% | 0.154% |
| 28 | 16.663 | 2300 | 2308 | 2312 | rBV3 | 131450 | 261700 | 2.27% | 0.194% |
| 29 | 16.710 | 2312 | 2316 | 2322 | rVB2 | 107405 | 159690 | 1.39% | 0.118% |
| 30 | 16.892 | 2339 | 2347 | 2350 | rBV4 | 101588 | 225881 | 1.96% | 0.167% |
| 31 | 16.928 | 2350 | 2353 | 2357 | rVB2 | 105984 | 150793 | 1.31% | 0.112% |
| 32 | 17.010 | 2362 | 2367 | 2374 | rVB | 224895 | 355373 | 3.09% | 0.263% |
| 33 | 17.086 | 2376 | 2380 | 2382 | rBV | 93254 | 140587 | 1.22% | 0.104% |
| 34 | 17.175 | 2391 | 2395 | 2404 | rVB | 348093 | 516433 | 4.49% | 0.382% |
| 35 | 17.357 | 2420 | 2426 | 2430 | rBV | 2798370 | 4283112 | 37.22% | 3.172% |
| 36 | 17.404 | 2430 | 2434 | 2440 | rVV | 6141825 | 8612224 | 74.84% | 6.378% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
Data File : BP005675.D
Acq On : 02 Jun 2021 20:38
Operator : CG/JU
Sample : M2580-14 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** 18-B5(2-4)

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\8270E-BP052721.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 17.492 | 2440 | 2449 | 2454 | rVV | 1653474 | 2443135 | 21.23% | 1.809% |
| 38 | 17.551 | 2454 | 2459 | 2464 | rVV2 | 120098 | 220120 | 1.91% | 0.163% |
| 39 | 17.757 | 2488 | 2494 | 2498 | rBV | 383864 | 569105 | 4.95% | 0.421% |
| 40 | 17.875 | 2511 | 2514 | 2517 | rVB | 136567 | 151928 | 1.32% | 0.113% |
| 41 | 17.933 | 2520 | 2524 | 2532 | rVB2 | 208205 | 312188 | 2.71% | 0.231% |
| 42 | 18.075 | 2544 | 2548 | 2555 | rVB | 101095 | 185423 | 1.61% | 0.137% |
| 43 | 18.145 | 2556 | 2560 | 2563 | rBV2 | 87438 | 123261 | 1.07% | 0.091% |
| 44 | 18.222 | 2568 | 2573 | 2577 | rVV | 937397 | 1391273 | 12.09% | 1.030% |
| 45 | 18.269 | 2577 | 2581 | 2586 | rVV | 1194438 | 1592707 | 13.84% | 1.180% |
| 46 | 18.345 | 2589 | 2594 | 2599 | rVV | 463921 | 658316 | 5.72% | 0.488% |
| 47 | 18.404 | 2599 | 2604 | 2608 | rVV2 | 1246507 | 2301864 | 20.00% | 1.705% |
| 48 | 18.439 | 2608 | 2610 | 2616 | rVB | 680185 | 842099 | 7.32% | 0.624% |
| 49 | 18.698 | 2650 | 2654 | 2658 | rBV | 634368 | 800182 | 6.95% | 0.593% |
| 50 | 18.739 | 2658 | 2661 | 2669 | rVB2 | 406531 | 554130 | 4.82% | 0.410% |
| 51 | 18.822 | 2672 | 2675 | 2678 | rBV | 105313 | 139225 | 1.21% | 0.103% |
| 52 | 18.933 | 2691 | 2694 | 2698 | rBV | 230520 | 268138 | 2.33% | 0.199% |
| 53 | 18.986 | 2700 | 2703 | 2706 | rVV | 210082 | 246259 | 2.14% | 0.182% |
| 54 | 19.022 | 2706 | 2709 | 2713 | rVB | 206984 | 249680 | 2.17% | 0.185% |
| 55 | 19.098 | 2718 | 2722 | 2728 | rBV | 575069 | 1023459 | 8.89% | 0.758% |
| 56 | 19.239 | 2742 | 2746 | 2754 | rBV2 | 382390 | 646021 | 5.61% | 0.478% |
| 57 | 19.357 | 2761 | 2766 | 2771 | rBV | 9220078 | 11507890 | 100.00% | 8.522% |
| 58 | 19.451 | 2779 | 2782 | 2786 | rVB | 238578 | 286007 | 2.49% | 0.212% |
| 59 | 19.592 | 2803 | 2806 | 2809 | rBV | 276874 | 307663 | 2.67% | 0.228% |
| 60 | 19.680 | 2816 | 2821 | 2822 | rBV | 1551172 | 2019331 | 17.55% | 1.495% |
| 61 | 19.710 | 2822 | 2826 | 2833 | rVV | 8243161 | 10664743 | 92.67% | 7.898% |
| 62 | 19.774 | 2834 | 2837 | 2844 | rVB2 | 431334 | 686577 | 5.97% | 0.508% |
| 63 | 19.898 | 2852 | 2858 | 2862 | rBV | 4658630 | 5792007 | 50.33% | 4.289% |
| 64 | 19.939 | 2862 | 2865 | 2870 | rVB | 455879 | 619214 | 5.38% | 0.459% |
| 65 | 20.027 | 2874 | 2880 | 2885 | rBV2 | 530309 | 1354095 | 11.77% | 1.003% |
| 66 | 20.186 | 2904 | 2907 | 2911 | rVB | 1120473 | 1452064 | 12.62% | 1.075% |
| 67 | 20.286 | 2920 | 2924 | 2927 | rBV | 730516 | 897009 | 7.79% | 0.664% |
| 68 | 20.339 | 2931 | 2933 | 2937 | rVB | 692806 | 808669 | 7.03% | 0.599% |
| 69 | 20.474 | 2953 | 2956 | 2960 | rBV | 480205 | 667360 | 5.80% | 0.494% |
| 70 | 20.522 | 2961 | 2964 | 2968 | rVV2 | 470086 | 604675 | 5.25% | 0.448% |
| 71 | 20.916 | 3028 | 3031 | 3037 | rVB | 657995 | 896255 | 7.79% | 0.664% |
| 72 | 21.116 | 3062 | 3065 | 3069 | rBV3 | 773788 | 1165996 | 10.13% | 0.864% |
| 73 | 21.416 | 3111 | 3116 | 3121 | rBV3 | 5440130 | 10961652 | 95.25% | 8.118% |
| 74 | 21.463 | 3121 | 3124 | 3134 | rVB | 3788677 | 5333330 | 46.34% | 3.950% |
| 75 | 23.133 | 3402 | 3408 | 3413 | rBV | 2829765 | 6894475 | 59.91% | 5.106% |
| 76 | 23.663 | 3494 | 3498 | 3507 | rVB | 1831298 | 3580579 | 31.11% | 2.652% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
Data File : BP005675.D
Acq On : 02 Jun 2021 20:38
Operator : CG/JU
Sample : M2580-14 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
18-B5(2-4)

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\8270E-BP052721.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 23.768 | 3511 | 3516 | 3525 | rVB | 2997317 | 6283275 | 54.60% | 4.653% |
| 78 | 23.880 | 3530 | 3535 | 3540 | rVV2 | 1753369 | 3232230 | 28.09% | 2.394% |

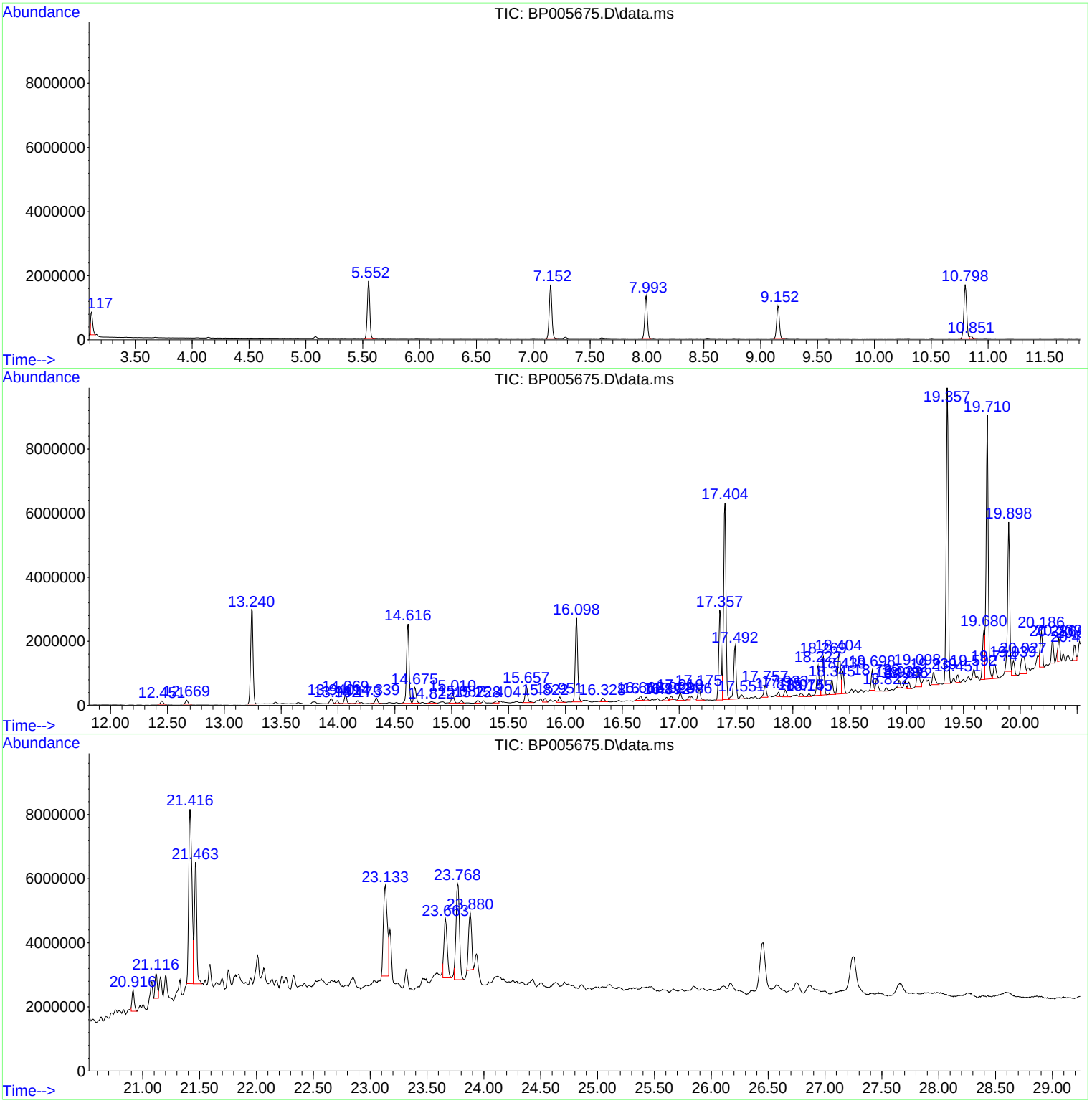
Sum of corrected areas: 135029919

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
Data File : BP005675.D
Acq On : 02 Jun 2021 20:38
Operator : CG/JU
Sample : M2580-14 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
18-B5(2-4)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.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\BP060221\
Data File : BP005675.D
Acq On : 02 Jun 2021 20:38
Operator : CG/JU
Sample : M2580-14 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
18-B5(2-4)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

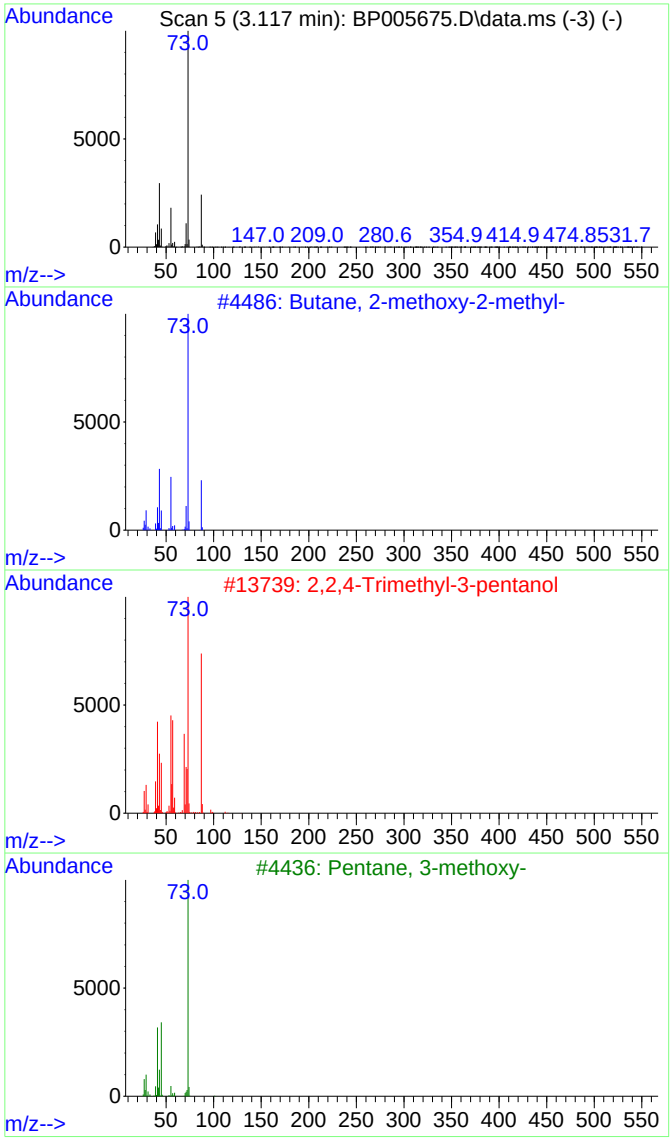
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

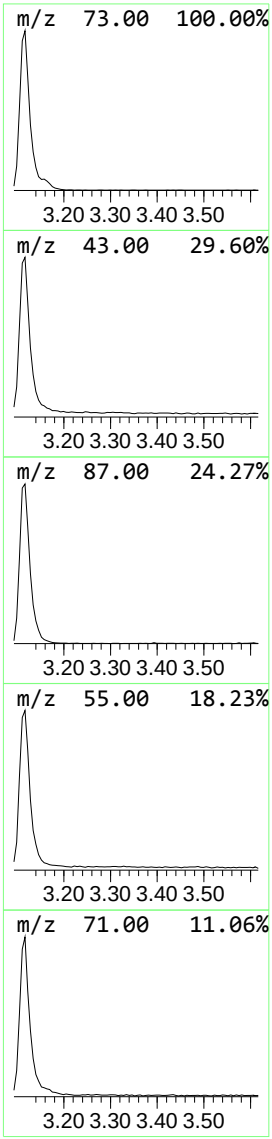
**********

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.117 | 7.78 ng | 810958 | 1,4-Dichlorobenzene-d4 | 7.993 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 78 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 40 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 23 |
| 4 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 16 |
| 5 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
Data File : BP005675.D
Acq On : 02 Jun 2021 20:38
Operator : CG/JU
Sample : M2580-14 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
18-B5(2-4)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

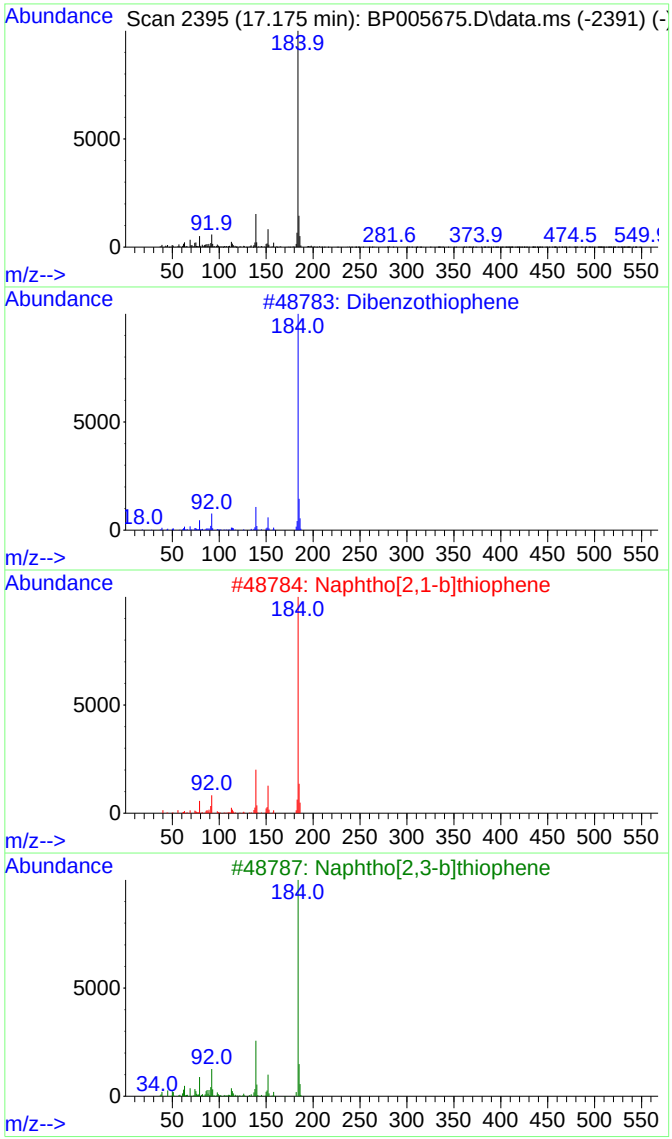
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

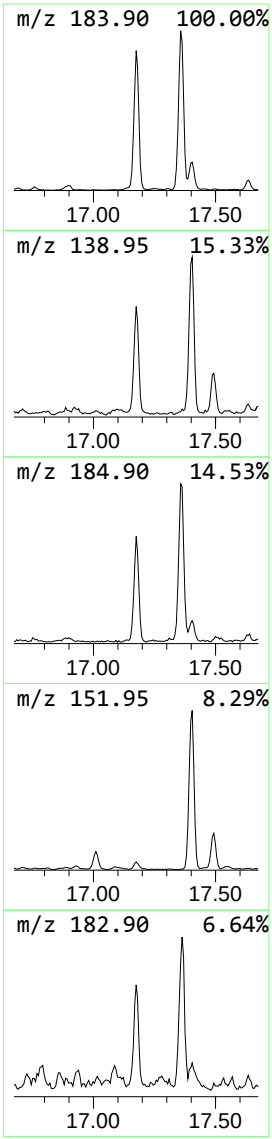
**********

Peak Number 3 Dibenzothiophene Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.175 | 2.41 ng | 516433 | Phenanthrene-d10 | 17.357 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 95 |
| 2 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 95 |
| 3 | Naphtho[2,3-b]thiophene | 184 | C12H8S | 000268-77-9 | 94 |
| 4 | Naphtho[1,2-b]thiophene | 184 | C12H8S | 000234-41-3 | 94 |
| 5 | Azuleno(2,1-b)thiophene | 184 | C12H8S | 000248-13-5 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
Data File : BP005675.D
Acq On : 02 Jun 2021 20:38
Operator : CG/JU
Sample : M2580-14 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
18-B5(2-4)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

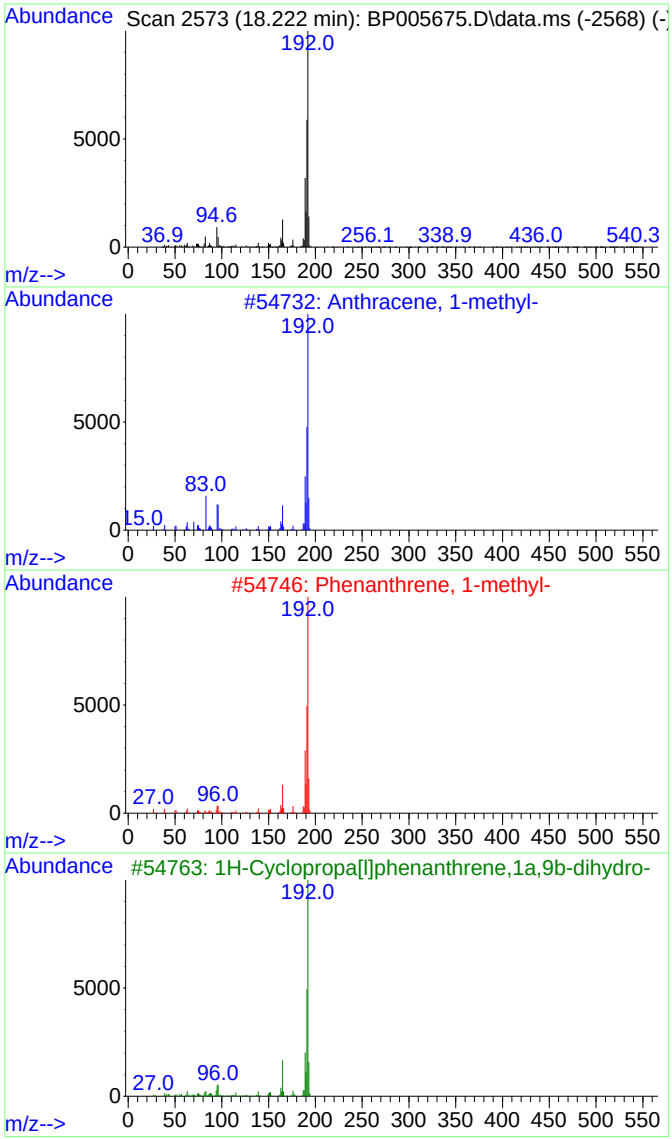
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

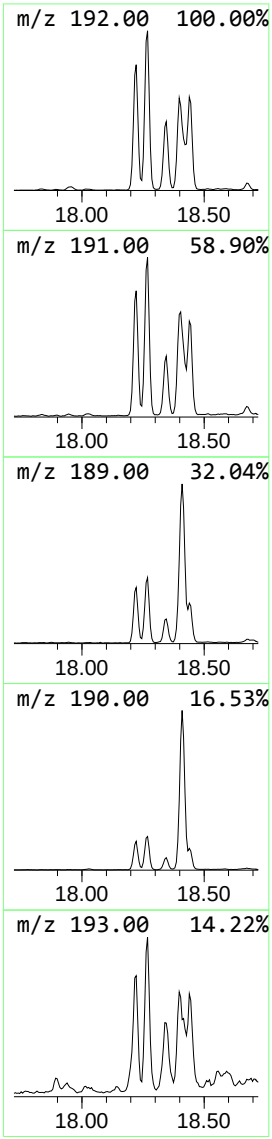
**********

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.222 | 6.50 ng | 1391270 | Phenanthrene-d10 | 17.357 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 94 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 91 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 91 |
| 5 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
Data File : BP005675.D
Acq On : 02 Jun 2021 20:38
Operator : CG/JU
Sample : M2580-14 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
18-B5(2-4)

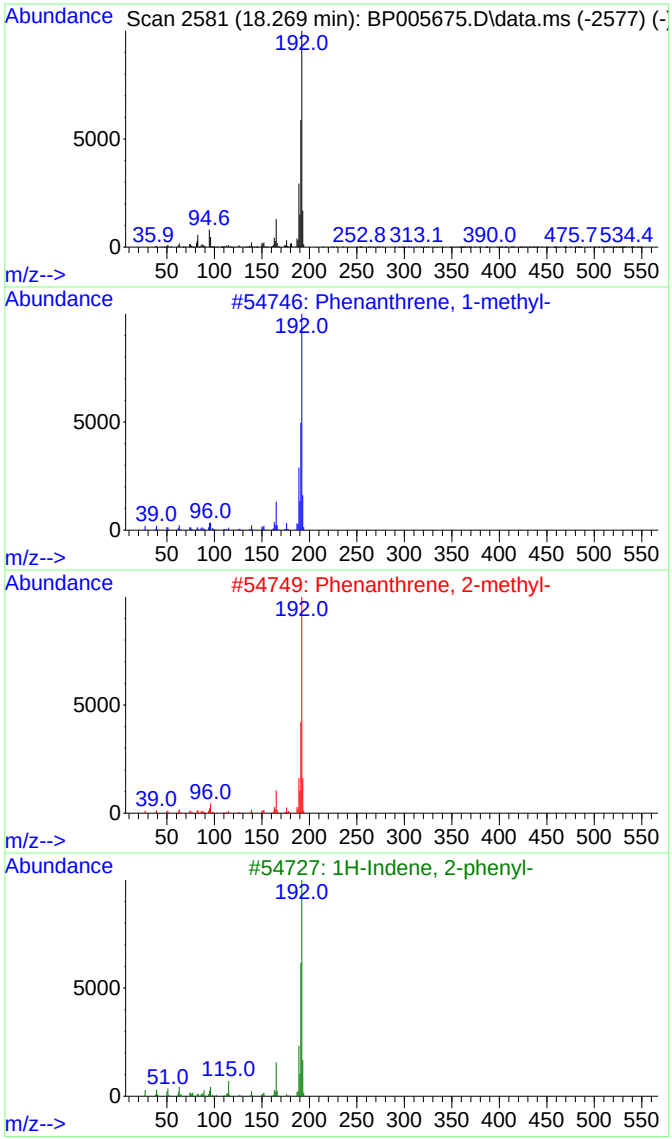
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

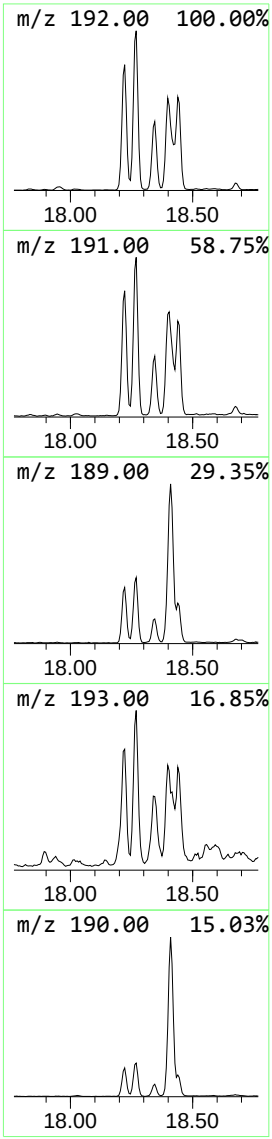
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.269 | 7.44 ng | 1592710 | Phenanthrene-d10 | 17.357 |

| 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 | 97 |
| 3 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 95 |
| 4 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 95 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
Data File : BP005675.D
Acq On : 02 Jun 2021 20:38
Operator : CG/JU
Sample : M2580-14 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
18-B5(2-4)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

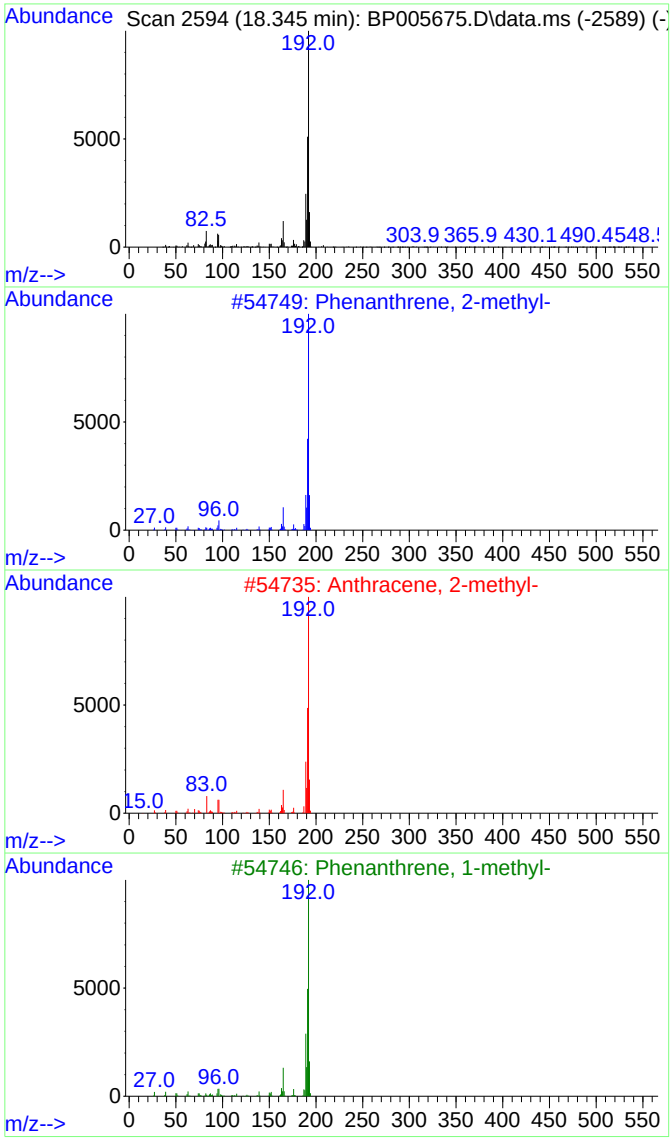
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

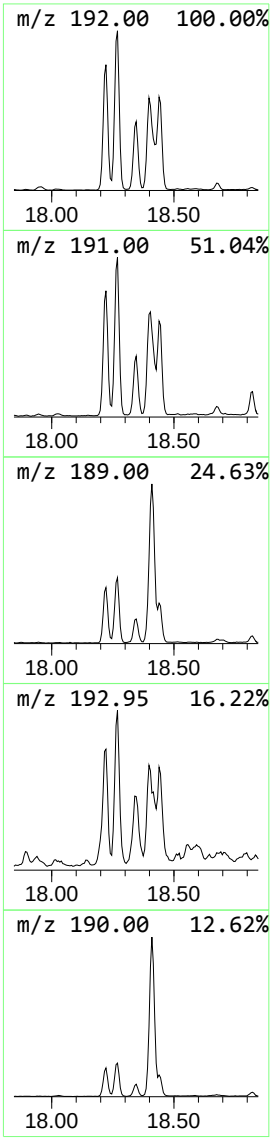
**********

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.345 | 3.07 ng | 658316 | Phenanthrene-d10 | 17.357 |

| 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, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 4 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 96 |
| 5 | Phenanthrene, 3-methyl- | 192 | C15H12 | 000832-71-3 | 96 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
Data File : BP005675.D
Acq On : 02 Jun 2021 20:38
Operator : CG/JU
Sample : M2580-14 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
18-B5(2-4)

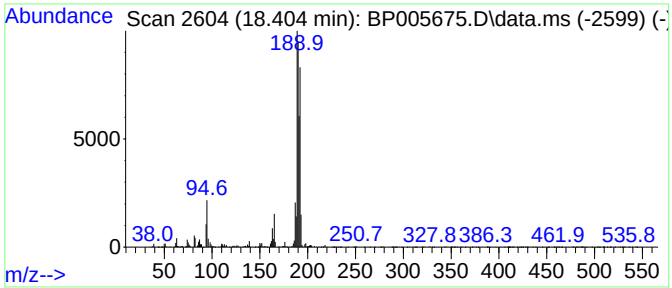
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

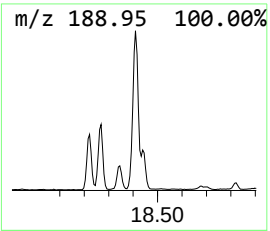
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

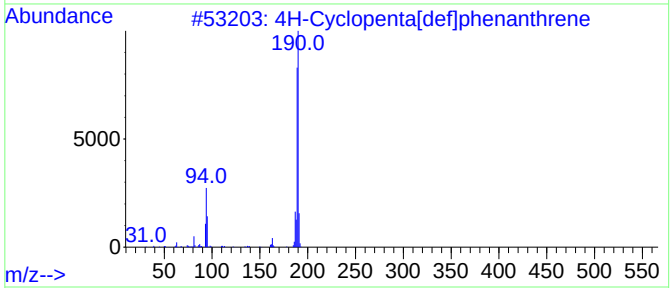
**********
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

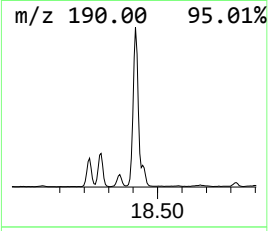
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.404 | 10.75 ng | 2301860 | Phenanthrene-d10 | 17.357 |

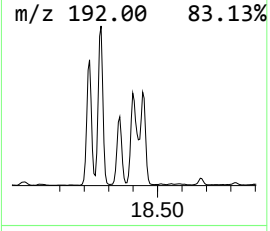
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 60 |
| 2 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 49 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 42 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 42 |
| 5 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 42 |

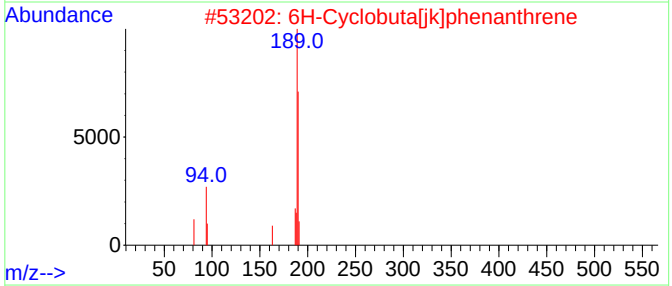


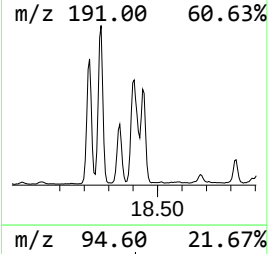



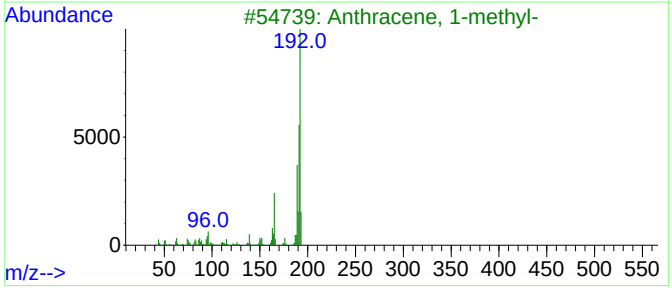



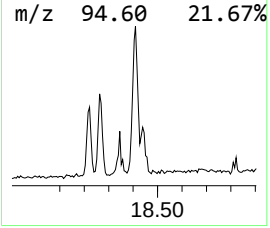



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
Data File : BP005675.D
Acq On : 02 Jun 2021 20:38
Operator : CG/JU
Sample : M2580-14 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
18-B5(2-4)

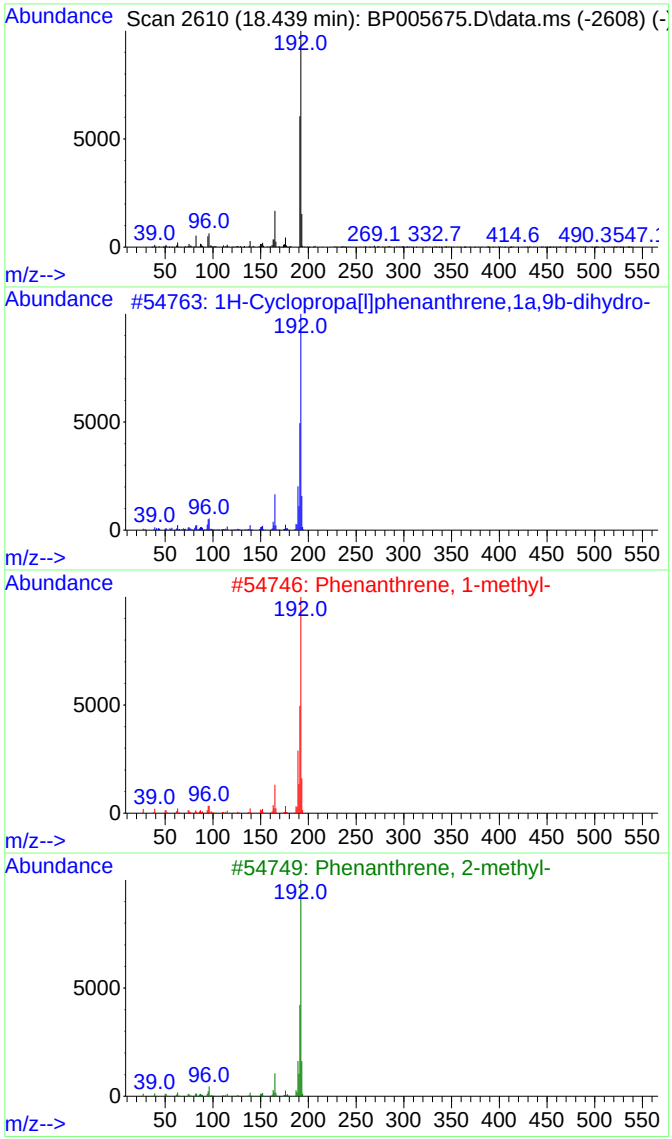
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

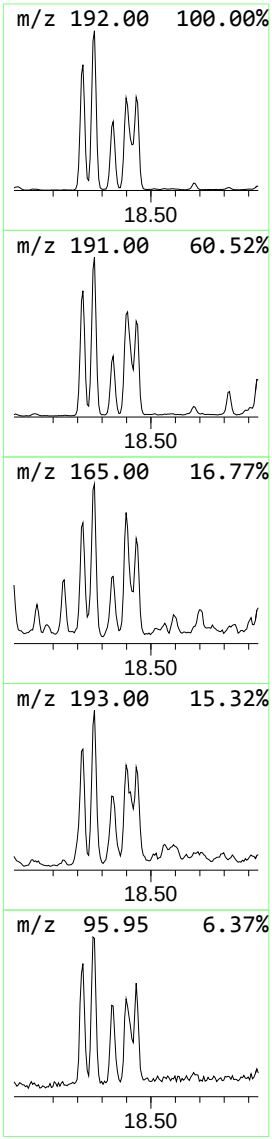
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.439 | 3.93 ng | 842099 | Phenanthrene-d10 | 17.357 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 93 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 90 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 90 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 90 |



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Data File : BP005675.D
Acq On : 02 Jun 2021 20:38
Operator : CG/JU
Sample : M2580-14 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
18-B5(2-4)

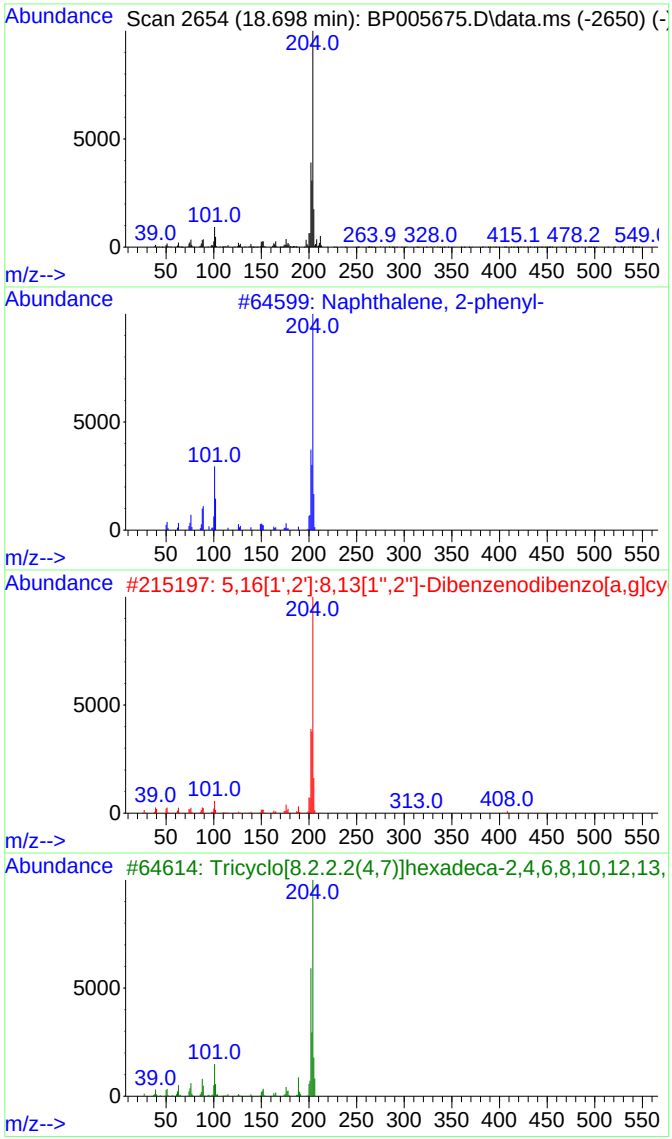
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

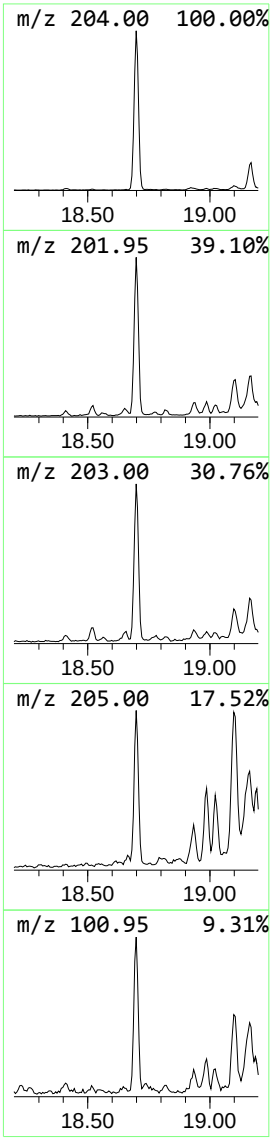
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.698 | 3.74 ng | 800182 | Phenanthrene-d10 | 17.357 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 83 |
| 2 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 74 |
| 3 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 62 |
| 4 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 62 |
| 5 | [1,1'-Biphenyl]-2-ol, 5-chloro- | 204 | C12H9ClO | 000607-12-5 | 47 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
Data File : BP005675.D
Acq On : 02 Jun 2021 20:38
Operator : CG/JU
Sample : M2580-14 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
18-B5(2-4)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

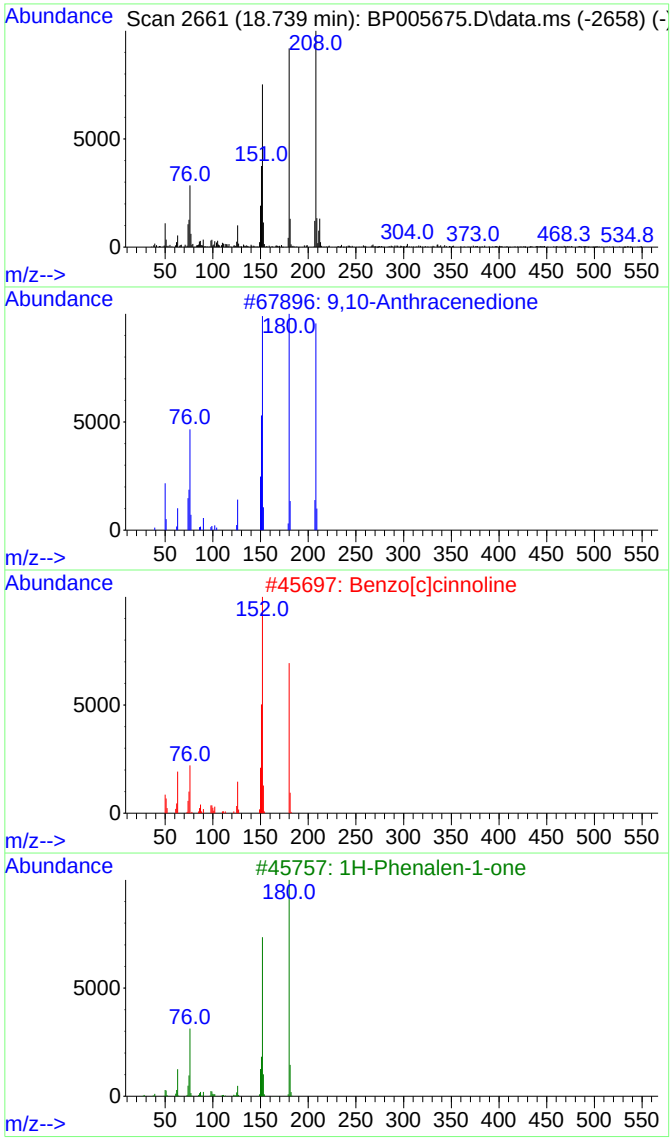
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

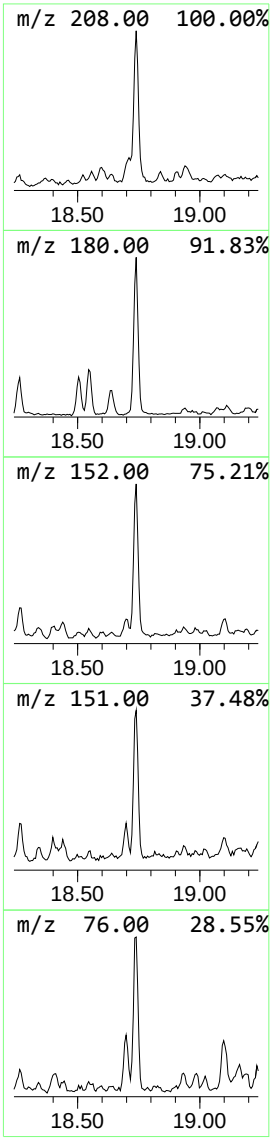
**********

Peak Number 10 9,10-Anthracenedione Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.739 | 2.59 ng | 554130 | Phenanthrene-d10 | 17.357 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 98 |
| 2 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 83 |
| 3 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 60 |
| 4 | Benzo[h]cinnoline | 180 | C12H8N2 | 000230-31-9 | 60 |
| 5 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 50 |



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Data File : BP005675.D
Acq On : 02 Jun 2021 20:38
Operator : CG/JU
Sample : M2580-14 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
18-B5(2-4)

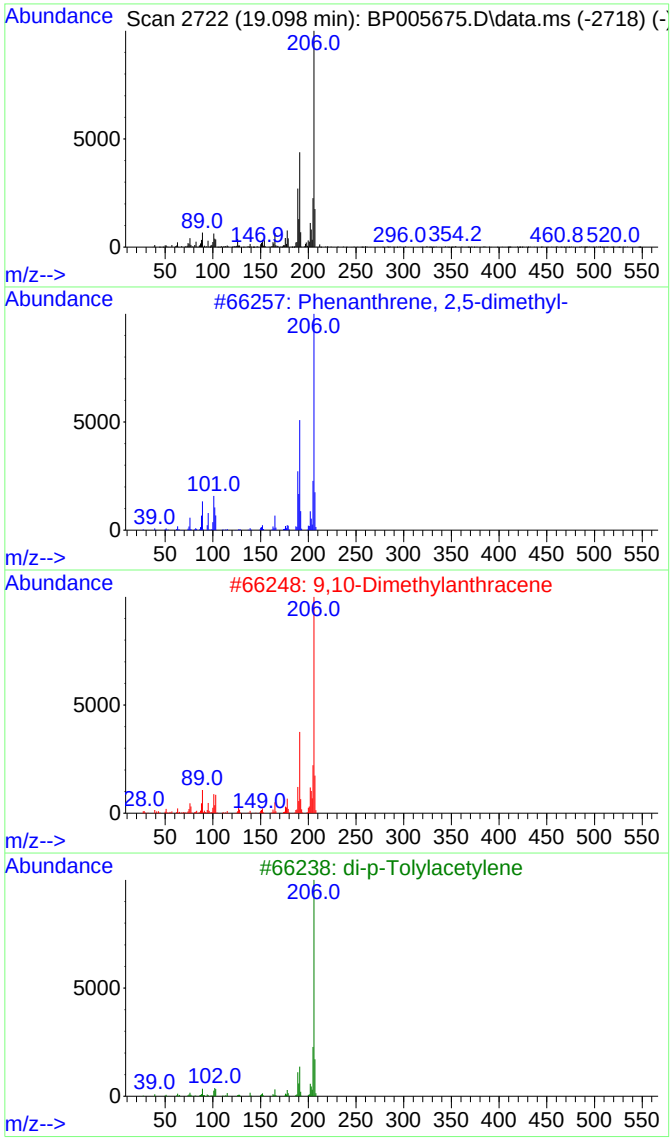
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

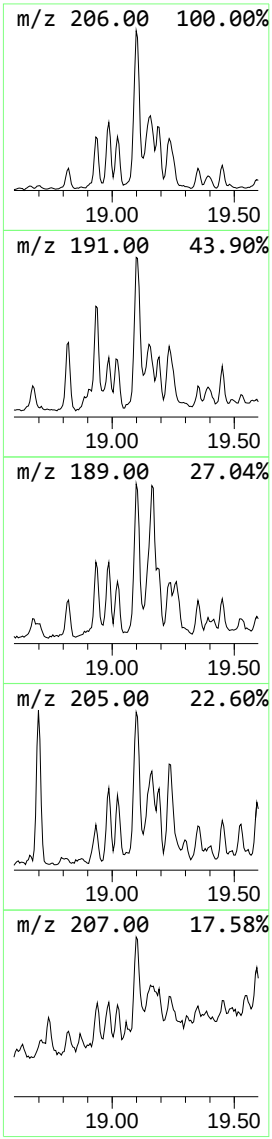
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.098 | 4.78 ng | 1023460 | Phenanthrene-d10 | 17.357 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 95 |
| 2 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 91 |
| 3 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 91 |
| 4 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 90 |
| 5 | Phenanthrene, 2,7-dimethyl- | 206 | C16H14 | 001576-69-8 | 90 |



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Data File : BP005675.D
Acq On : 02 Jun 2021 20:38
Operator : CG/JU
Sample : M2580-14 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
18-B5(2-4)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

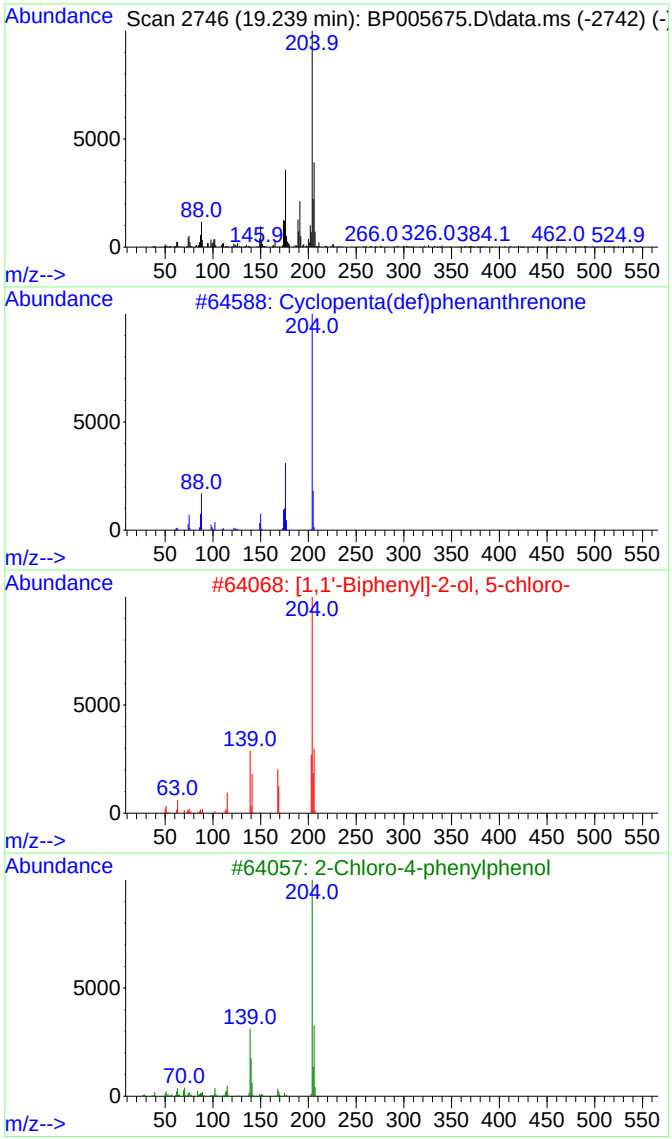
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

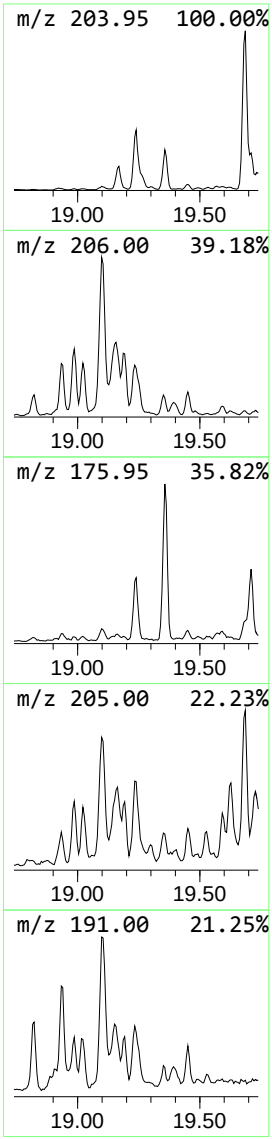
**********

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.239 | 3.02 ng | 646021 | Phenanthrene-d10 | 17.357 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 91 |
| 2 | [1,1'-Biphenyl]-2-ol, 5-chloro- | 204 | C12H9ClO | 000607-12-5 | 53 |
| 3 | 2-Chloro-4-phenylphenol | 204 | C12H9ClO | 000092-04-6 | 50 |
| 4 | Mannose, 6-deoxy-2,3,4,5-tetraki... | 452 | C18H44O5Si4 | 019127-15-2 | 50 |
| 5 | Pyrimido[5,4-b]benzofurane, 4-ch... | 204 | C10H5ClN2O | 039876-88-5 | 49 |



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Data File : BP005675.D
Acq On : 02 Jun 2021 20:38
Operator : CG/JU
Sample : M2580-14 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
18-B5(2-4)

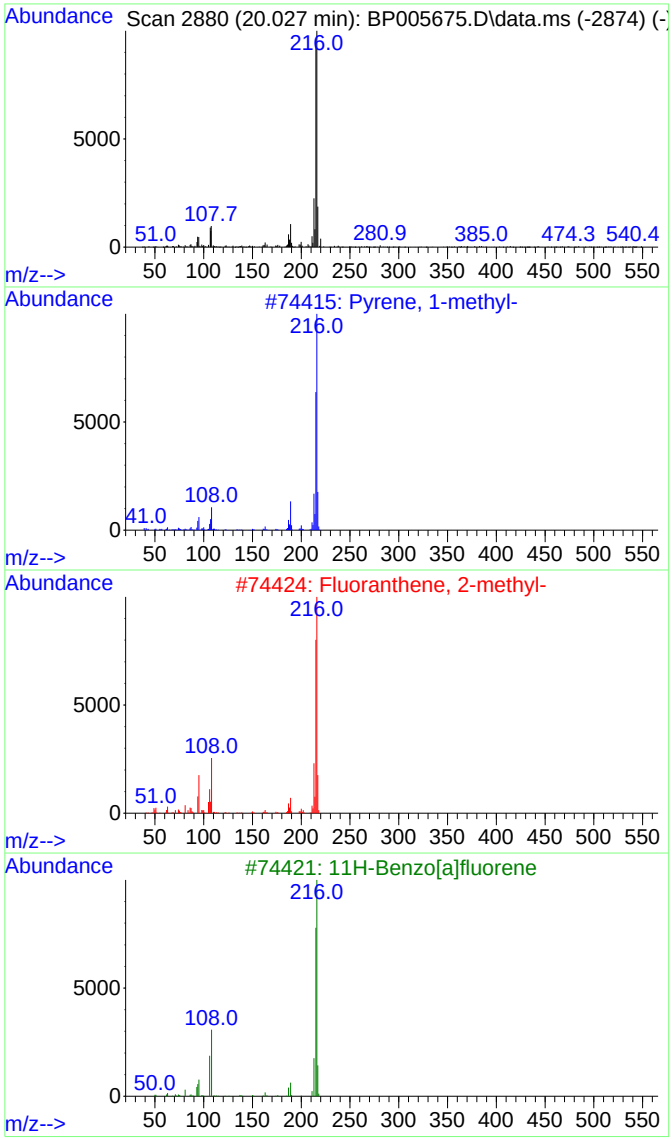
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

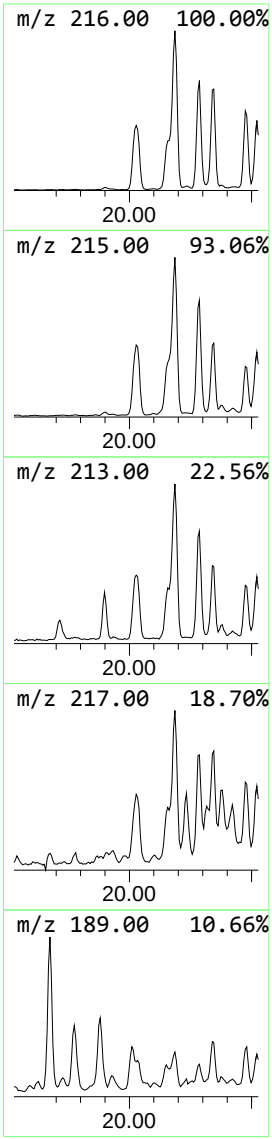
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.027 | 2.47 ng | 1354100 | Chrysene-d12 | 21.427 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 95 |
| 2 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 90 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 87 |
| 4 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 83 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
Data File : BP005675.D
Acq On : 02 Jun 2021 20:38
Operator : CG/JU
Sample : M2580-14 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
18-B5(2-4)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

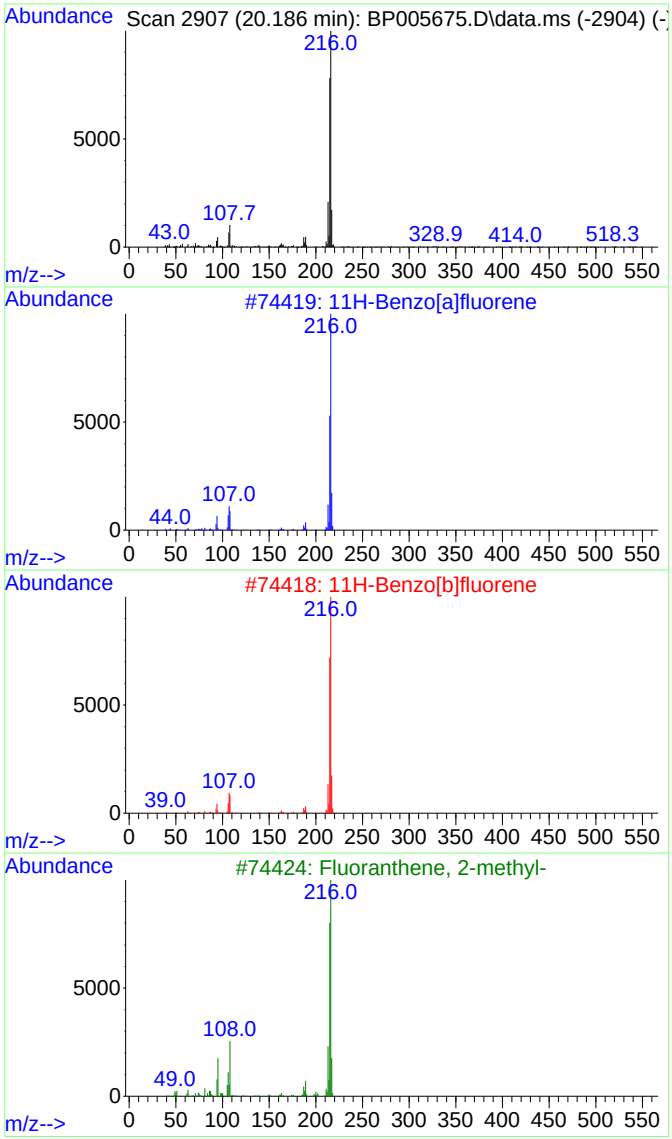
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

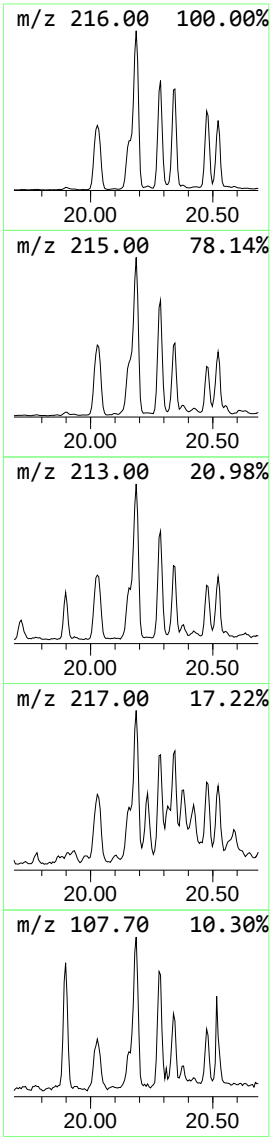
**********

Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.186 | 2.65 ng | 1452060 | Chrysene-d12 | 21.427 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 93 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 93 |
| 3 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 90 |
| 4 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 86 |
| 5 | 1,3,5-Triazine-2,4,6-triamine, N... | 216 | C10H12N6 | 046731-79-7 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
Data File : BP005675.D
Acq On : 02 Jun 2021 20:38
Operator : CG/JU
Sample : M2580-14 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** 18-B5(2-4)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

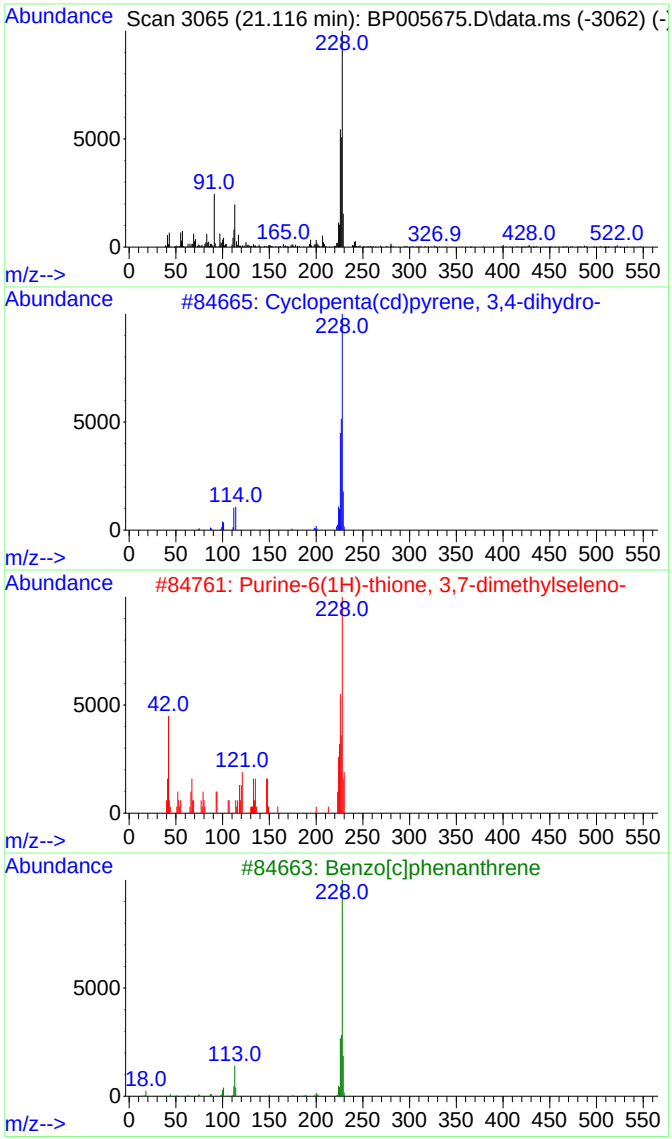
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

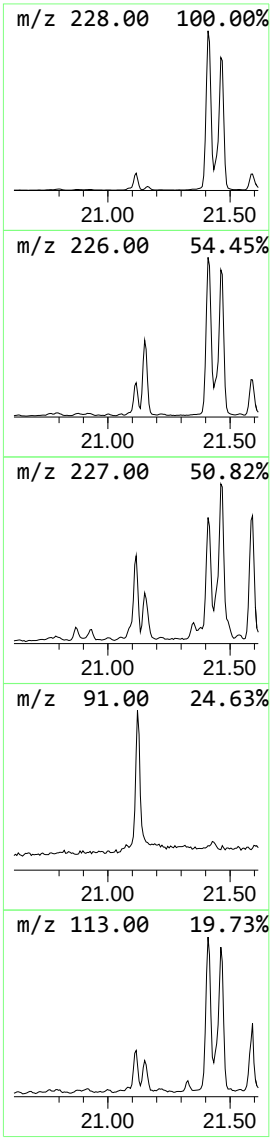
**********

Peak Number 15 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.116 | 2.13 ng | 1166000 | Chrysene-d12 | 21.427 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(cd)pyrene, 3,4-dihydro- | 228 | C18H12 | 025732-74-5 | 92 |
| 2 | Purine-6(1H)-thione, 3,7-dimethy... | 228 | C7H8N4Se | 023663-58-3 | 52 |
| 3 | Benzo[c]phenanthrene | 228 | C18H12 | 000195-19-7 | 52 |
| 4 | Triphenylene | 228 | C18H12 | 000217-59-4 | 45 |
| 5 | Chrysene | 228 | C18H12 | 000218-01-9 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
Data File : BP005675.D
Acq On : 02 Jun 2021 20:38
Operator : CG/JU
Sample : M2580-14 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
18-B5(2-4)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

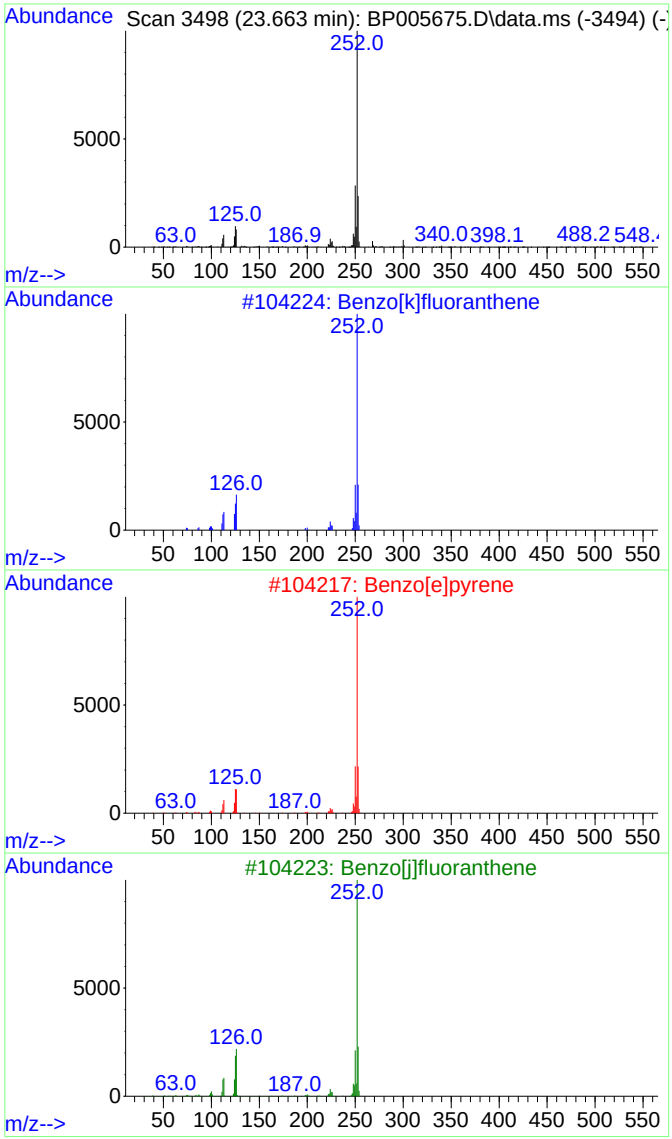
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

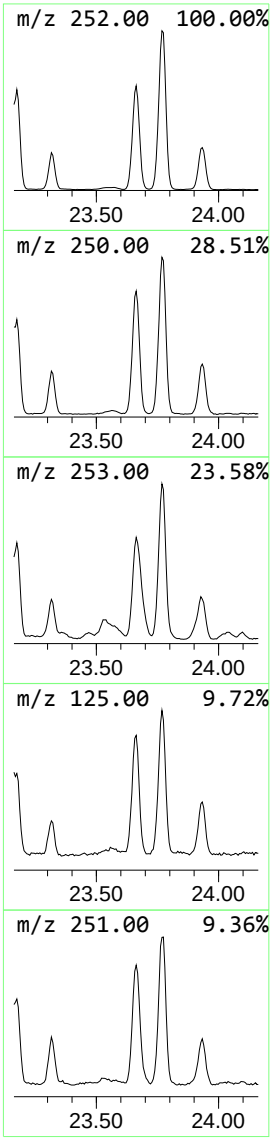
**********

Peak Number 16 Benzo[e]pyrene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.663 | 22.16 ng | 3580580 | Perylene-d12 | 23.880 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 97 |
| 2 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 97 |
| 3 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 95 |
| 4 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 94 |
| 5 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 93 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
Data File : BP005675.D
Acq On : 02 Jun 2021 20:38
Operator : CG/JU
Sample : M2580-14 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** 18-B5(2-4)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.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 |
| Butane, 2-metho... | 3.117 | 7.8 | ng | 810958 | 1 | 7.993 | 2085650 | 20.0 |
| Dibenzothiophene | 17.175 | 2.4 | ng | 516433 | 4 | 17.357 | 4283110 | 20.0 |
| Anthracene, 1-m... | 18.222 | 6.5 | ng | 1391270 | 4 | 17.357 | 4283110 | 20.0 |
| Phenanthrene, 1... | 18.269 | 7.4 | ng | 1592710 | 4 | 17.357 | 4283110 | 20.0 |
| Phenanthrene, 2... | 18.345 | 3.1 | ng | 658316 | 4 | 17.357 | 4283110 | 20.0 |
| 4H-Cyclopenta[d... | 18.404 | 10.8 | ng | 2301860 | 4 | 17.357 | 4283110 | 20.0 |
| 1H-Cyclopropa[l... | 18.439 | 3.9 | ng | 842099 | 4 | 17.357 | 4283110 | 20.0 |
| Naphthalene, 2-... | 18.698 | 3.7 | ng | 800182 | 4 | 17.357 | 4283110 | 20.0 |
| 9,10-Anthracene... | 18.739 | 2.6 | ng | 554130 | 4 | 17.357 | 4283110 | 20.0 |
| Phenanthrene, 2... | 19.098 | 4.8 | ng | 1023460 | 4 | 17.357 | 4283110 | 20.0 |
| Cyclopenta(def)... | 19.239 | 3.0 | ng | 646021 | 4 | 17.357 | 4283110 | 20.0 |
| Pyrene, 1-methyl- | 20.027 | 2.5 | ng | 1354100 | 5 | 21.427 | 10961700 | 20.0 |
| 11H-Benzo[a]flu... | 20.186 | 2.6 | ng | 1452060 | 5 | 21.427 | 10961700 | 20.0 |
| Cyclopenta(cd)p... | 21.116 | 2.1 | ng | 1166000 | 5 | 21.427 | 10961700 | 20.0 |
| Benzo[e]pyrene | 23.663 | 22.2 | ng | 3580580 | 6 | 23.880 | 3232230 | 20.0 |