LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047362.D
Acq On : 27 Aug 2024 13:57
Operator : RC/JU
Sample : P3728-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SU-03-08232024

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_M\Methods\8270-BM082624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM047362.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.010 | 354 | 361 | 380 | rBV | 1460587 | 2397630 | 2.69% | 0.258% |
| 2 | 6.569 | 620 | 626 | 640 | rBV | 1529806 | 2588608 | 2.90% | 0.279% |
| 3 | 7.345 | 750 | 758 | 769 | rBV | 1200470 | 1866598 | 2.09% | 0.201% |
| 4 | 8.492 | 947 | 953 | 961 | rBV | 1042714 | 1749948 | 1.96% | 0.189% |
| 5 | 10.104 | 1220 | 1227 | 1230 | rBV | 1486359 | 2620460 | 2.94% | 0.283% |
| 6 | 10.163 | 1230 | 1237 | 1243 | rVB | 13311888 | 24033142 | 26.94% | 2.591% |
| 7 | 11.780 | 1504 | 1512 | 1519 | rVB | 6387336 | 10319532 | 11.57% | 1.113% |
| 8 | 12.004 | 1539 | 1550 | 1562 | rVB | 3997456 | 6681628 | 7.49% | 0.720% |
| 9 | 12.610 | 1648 | 1653 | 1659 | rVB | 2834300 | 4088065 | 4.58% | 0.441% |
| 10 | 12.827 | 1683 | 1690 | 1698 | rBV2 | 2035759 | 3472768 | 3.89% | 0.374% |
| 11 | 13.021 | 1718 | 1723 | 1739 | rVB | 1085995 | 2188102 | 2.45% | 0.236% |
| 12 | 13.163 | 1740 | 1747 | 1748 | rBV | 1731030 | 2480111 | 2.78% | 0.267% |
| 13 | 13.321 | 1768 | 1774 | 1779 | rBV | 2646826 | 4726285 | 5.30% | 0.510% |
| 14 | 13.380 | 1779 | 1784 | 1793 | rVB | 2000269 | 3121386 | 3.50% | 0.337% |
| 15 | 13.563 | 1810 | 1815 | 1818 | rBV2 | 1357437 | 2068828 | 2.32% | 0.223% |
| 16 | 13.727 | 1835 | 1843 | 1850 | rBV | 2428259 | 3771087 | 4.23% | 0.407% |
| 17 | 14.004 | 1884 | 1890 | 1896 | rVV3 | 2737630 | 5108405 | 5.73% | 0.551% |
| 18 | 14.080 | 1896 | 1903 | 1911 | rVV | 12434274 | 19709987 | 22.09% | 2.125% |
| 19 | 14.227 | 1922 | 1928 | 1937 | rBV | 675401 | 1718832 | 1.93% | 0.185% |
| 20 | 14.327 | 1937 | 1945 | 1951 | rBV3 | 932735 | 1675599 | 1.88% | 0.181% |
| 21 | 14.421 | 1951 | 1961 | 1970 | rVV | 10616526 | 16365545 | 18.34% | 1.764% |
| 22 | 14.639 | 1991 | 1998 | 2003 | rBV2 | 898797 | 1805606 | 2.02% | 0.195% |
| 23 | 14.815 | 2018 | 2028 | 2031 | rBV2 | 710973 | 1626344 | 1.82% | 0.175% |
| 24 | 15.080 | 2066 | 2073 | 2078 | rBV | 14995325 | 24128127 | 27.04% | 2.601% |
| 25 | 15.198 | 2090 | 2093 | 2096 | rVV | 1360815 | 1910315 | 2.14% | 0.206% |
| 26 | 15.233 | 2096 | 2099 | 2104 | rVV2 | 2321036 | 3439442 | 3.86% | 0.371% |
| 27 | 15.321 | 2110 | 2114 | 2118 | rVV2 | 1386481 | 2338766 | 2.62% | 0.252% |
| 28 | 15.374 | 2118 | 2123 | 2133 | rVB | 2686511 | 4305826 | 4.83% | 0.464% |
| 29 | 15.521 | 2143 | 2148 | 2156 | rVV | 4931826 | 8905388 | 9.98% | 0.960% |
| 30 | 15.610 | 2156 | 2163 | 2170 | rVB3 | 689505 | 1485192 | 1.66% | 0.160% |
| 31 | 15.768 | 2184 | 2190 | 2193 | rBV3 | 1267714 | 2077243 | 2.33% | 0.224% |
| 32 | 15.868 | 2203 | 2207 | 2215 | rBV3 | 812999 | 1608760 | 1.80% | 0.173% |
| 33 | 15.974 | 2215 | 2225 | 2233 | rBV6 | 403981 | 1666703 | 1.87% | 0.180% |
| 34 | 16.086 | 2236 | 2244 | 2248 | rVV | 2209873 | 4175445 | 4.68% | 0.450% |
| 35 | 16.133 | 2248 | 2252 | 2257 | rVB2 | 1102374 | 1581272 | 1.77% | 0.170% |
| 36 | 16.233 | 2265 | 2269 | 2274 | rVB | 1206799 | 1953497 | 2.19% | 0.211% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047362.D
Acq On : 27 Aug 2024 13:57
Operator : RC/JU
Sample : P3728-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SU-03-08232024

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_M\Methods\8270-BM082624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 16.521 | 2313 | 2318 | 2323 | rVV2 | 1343739 | 2572694 | 2.88% | 0.277% |
| 38 | 16.598 | 2323 | 2331 | 2344 | rVB | 5099236 | 10090547 | 11.31% | 1.088% |
| 39 | 16.786 | 2356 | 2363 | 2364 | rBV | 1918626 | 2914871 | 3.27% | 0.314% |
| 40 | 16.856 | 2364 | 2375 | 2379 | rVV2 | 36010447 | 89215847 | 100.00% | 9.618% |
| 41 | 16.933 | 2379 | 2388 | 2392 | rVV2 | 23404592 | 39256550 | 44.00% | 4.232% |
| 42 | 16.980 | 2392 | 2396 | 2401 | rVB2 | 1556273 | 2394930 | 2.68% | 0.258% |
| 43 | 17.204 | 2429 | 2434 | 2447 | rVB | 9519183 | 14577759 | 16.34% | 1.572% |
| 44 | 17.304 | 2447 | 2451 | 2457 | rVV3 | 2237990 | 3227195 | 3.62% | 0.348% |
| 45 | 17.362 | 2457 | 2461 | 2469 | rVV3 | 935700 | 2065931 | 2.32% | 0.223% |
| 46 | 17.662 | 2505 | 2512 | 2516 | rBV | 5793045 | 8743484 | 9.80% | 0.943% |
| 47 | 17.709 | 2516 | 2520 | 2527 | rVV | 8714073 | 11947729 | 13.39% | 1.288% |
| 48 | 17.792 | 2529 | 2534 | 2539 | rVV | 4106247 | 5990906 | 6.72% | 0.646% |
| 49 | 17.856 | 2539 | 2545 | 2549 | rVV2 | 11770663 | 19916926 | 22.32% | 2.147% |
| 50 | 17.892 | 2549 | 2551 | 2559 | rVB | 3833401 | 4483157 | 5.03% | 0.483% |
| 51 | 18.009 | 2567 | 2571 | 2576 | rVB2 | 1221146 | 2228634 | 2.50% | 0.240% |
| 52 | 18.168 | 2594 | 2598 | 2604 | rVV | 4671743 | 6395329 | 7.17% | 0.689% |
| 53 | 18.415 | 2636 | 2640 | 2645 | rVB | 1110852 | 1612714 | 1.81% | 0.174% |
| 54 | 18.468 | 2646 | 2649 | 2653 | rBV | 1308119 | 1607665 | 1.80% | 0.173% |
| 55 | 18.592 | 2665 | 2670 | 2675 | rBV2 | 2432788 | 4457972 | 5.00% | 0.481% |
| 56 | 18.656 | 2675 | 2681 | 2685 | rBV4 | 2128036 | 3841925 | 4.31% | 0.414% |
| 57 | 18.750 | 2691 | 2697 | 2704 | rVB4 | 948719 | 2526563 | 2.83% | 0.272% |
| 58 | 18.892 | 2710 | 2721 | 2725 | rBV2 | 35421359 | 78543369 | 88.04% | 8.467% |
| 59 | 18.968 | 2731 | 2734 | 2738 | rVV | 1415284 | 1824502 | 2.05% | 0.197% |
| 60 | 19.015 | 2738 | 2742 | 2747 | rVB2 | 1158960 | 1702420 | 1.91% | 0.184% |
| 61 | 19.103 | 2753 | 2757 | 2761 | rBV2 | 2121766 | 2717914 | 3.05% | 0.293% |
| 62 | 19.256 | 2771 | 2783 | 2788 | rBV4 | 32418202 | 82844978 | 92.86% | 8.931% |
| 63 | 19.309 | 2788 | 2792 | 2799 | rVB2 | 2281587 | 3781645 | 4.24% | 0.408% |
| 64 | 19.415 | 2805 | 2810 | 2812 | rBV | 3258561 | 4293849 | 4.81% | 0.463% |
| 65 | 19.445 | 2812 | 2815 | 2818 | rVV | 3848113 | 4827861 | 5.41% | 0.520% |
| 66 | 19.480 | 2818 | 2821 | 2827 | rVB | 2643761 | 3739635 | 4.19% | 0.403% |
| 67 | 19.574 | 2828 | 2837 | 2841 | rBV4 | 2749815 | 7121324 | 7.98% | 0.768% |
| 68 | 19.621 | 2841 | 2845 | 2849 | rBV | 1591204 | 1858450 | 2.08% | 0.200% |
| 69 | 19.703 | 2853 | 2859 | 2862 | rBV4 | 2765797 | 5904521 | 6.62% | 0.637% |
| 70 | 19.739 | 2862 | 2865 | 2870 | rVB | 8961943 | 11824037 | 13.25% | 1.275% |
| 71 | 19.786 | 2870 | 2873 | 2877 | rBV3 | 1109396 | 1598270 | 1.79% | 0.172% |
| 72 | 19.845 | 2877 | 2883 | 2886 | rBV | 9774080 | 13328987 | 14.94% | 1.437% |
| 73 | 19.897 | 2886 | 2892 | 2896 | rVV2 | 3908290 | 6771010 | 7.59% | 0.730% |
| 74 | 19.933 | 2896 | 2898 | 2902 | rVB2 | 1240025 | 1430501 | 1.60% | 0.154% |
| 75 | 20.033 | 2911 | 2915 | 2919 | rBV | 1812576 | 2391687 | 2.68% | 0.258% |
| 76 | 20.080 | 2919 | 2923 | 2928 | rBV2 | 2196463 | 3086015 | 3.46% | 0.333% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047362.D
Acq On : 27 Aug 2024 13:57
Operator : RC/JU
Sample : P3728-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SU-03-08232024

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_M\Methods\8270-BM082624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 20.362 | 2969 | 2971 | 2975 | rVB | 1327096 | 1581964 | 1.77% | 0.171% |
| 78 | 20.456 | 2982 | 2987 | 2991 | rBV | 1468005 | 2619005 | 2.94% | 0.282% |
| 79 | 20.656 | 3017 | 3021 | 3024 | rBV | 2964533 | 3750331 | 4.20% | 0.404% |
| 80 | 20.692 | 3024 | 3027 | 3031 | rVB | 3244919 | 3607506 | 4.04% | 0.389% |
| 81 | 20.733 | 3031 | 3034 | 3036 | rBV | 2851539 | 3739548 | 4.19% | 0.403% |
| 82 | 21.021 | 3074 | 3083 | 3088 | rBV2 | 20837051 | 44183775 | 49.52% | 4.763% |
| 83 | 21.080 | 3088 | 3093 | 3102 | rVB | 20868682 | 32748434 | 36.71% | 3.530% |
| 84 | 21.203 | 3109 | 3114 | 3121 | rBV | 6677484 | 10295057 | 11.54% | 1.110% |
| 85 | 21.262 | 3121 | 3124 | 3129 | rVV3 | 1271994 | 1892379 | 2.12% | 0.204% |
| 86 | 21.333 | 3132 | 3136 | 3139 | rVV | 2275886 | 2942757 | 3.30% | 0.317% |
| 87 | 21.386 | 3139 | 3145 | 3150 | rVB2 | 2444942 | 4907044 | 5.50% | 0.529% |
| 88 | 21.591 | 3176 | 3180 | 3184 | rBV | 2064444 | 3241405 | 3.63% | 0.349% |
| 89 | 21.656 | 3187 | 3191 | 3196 | rVB | 3080714 | 4720747 | 5.29% | 0.509% |
| 90 | 21.833 | 3218 | 3221 | 3226 | rVB2 | 1711513 | 2538620 | 2.85% | 0.274% |
| 91 | 21.886 | 3226 | 3230 | 3233 | rVV | 1933976 | 2796788 | 3.13% | 0.302% |
| 92 | 21.927 | 3233 | 3237 | 3243 | rVV2 | 2870995 | 4643122 | 5.20% | 0.501% |
| 93 | 22.009 | 3245 | 3251 | 3262 | rVB3 | 1362446 | 3929500 | 4.40% | 0.424% |
| 94 | 22.915 | 3394 | 3405 | 3410 | rBV | 11928939 | 36672940 | 41.11% | 3.954% |
| 95 | 23.109 | 3433 | 3438 | 3447 | rVB | 3450991 | 6401440 | 7.18% | 0.690% |
| 96 | 23.509 | 3497 | 3506 | 3516 | rVB | 7068744 | 19336099 | 21.67% | 2.085% |
| 97 | 23.644 | 3517 | 3529 | 3537 | rVB | 11866305 | 30855814 | 34.59% | 3.326% |
| 98 | 23.744 | 3542 | 3546 | 3551 | rVV2 | 1945216 | 4339504 | 4.86% | 0.468% |
| 99 | 23.815 | 3551 | 3558 | 3569 | rVB | 4278189 | 10799145 | 12.10% | 1.164% |
| 100 | 26.803 | 4057 | 4066 | 4077 | rVB2 | 5176358 | 19630343 | 22.00% | 2.116% |

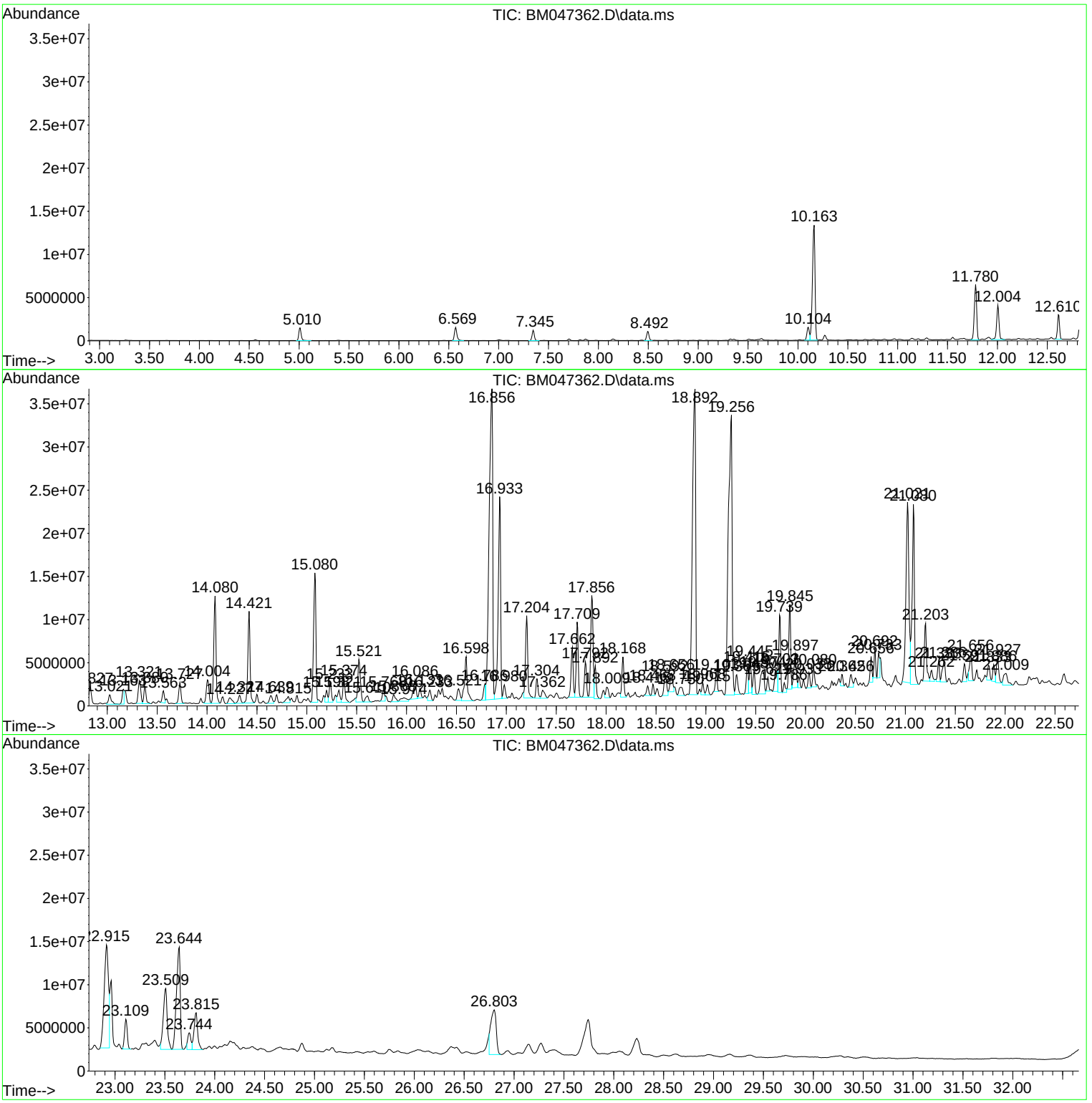
Sum of corrected areas: 927594042

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047362.D
Acq On : 27 Aug 2024 13:57
Operator : RC/JU
Sample : P3728-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SU-03-08232024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047362.D
Acq On : 27 Aug 2024 13:57
Operator : RC/JU
Sample : P3728-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SU-03-08232024

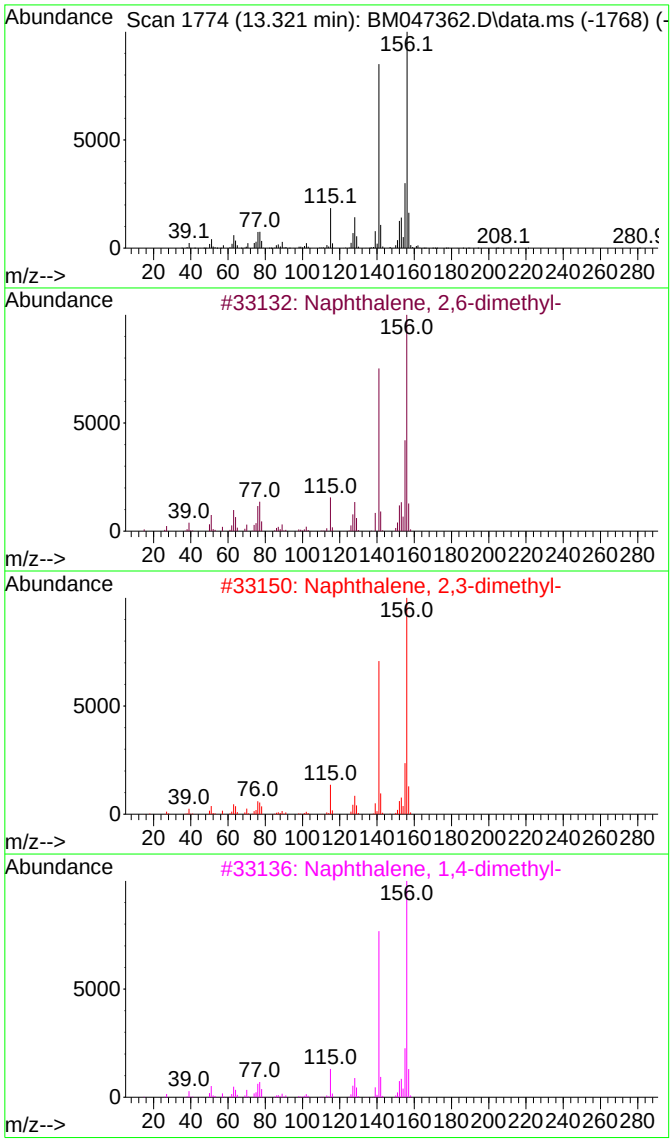
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

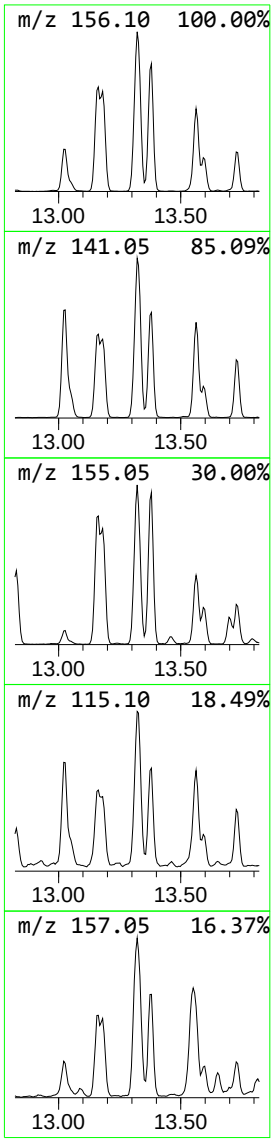
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Naphthalene, 2,6-dimethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.321 | 18.50 ng | 4726290 | Acenaphthene-d10 | 14.010 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 97 |
| 2 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 97 |
| 3 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 97 |
| 4 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 97 |
| 5 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 96 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047362.D
Acq On : 27 Aug 2024 13:57
Operator : RC/JU
Sample : P3728-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SU-03-08232024

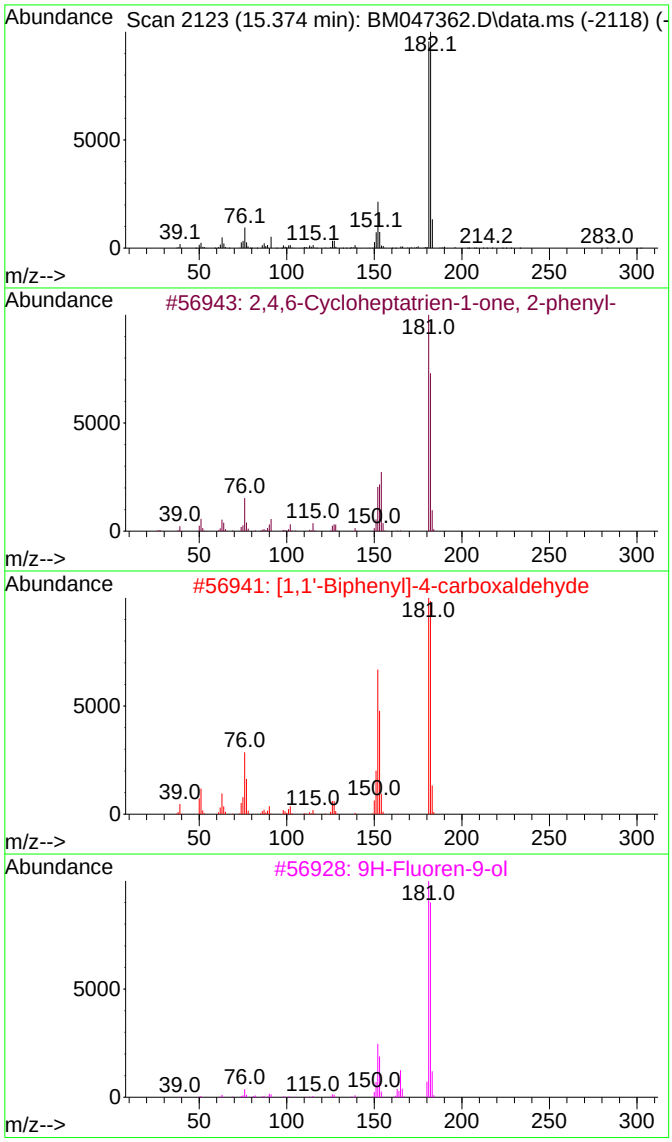
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

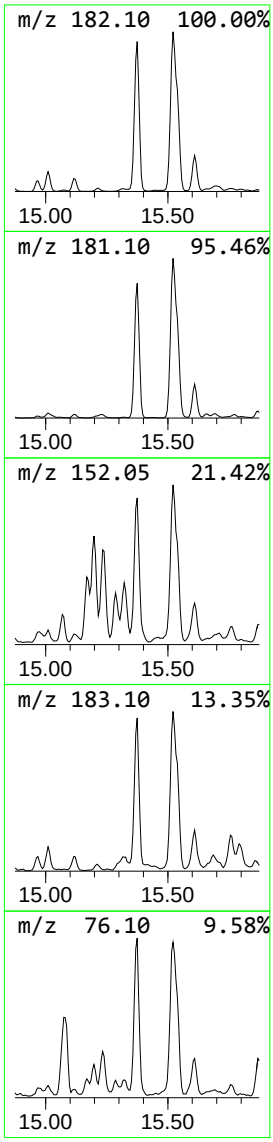
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 2,4,6-Cycloheptatrien-1-one... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.374 | 16.86 ng | 4305830 | Acenaphthene-d10 | 14.010 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4,6-Cycloheptatrien-1-one, 2-p... | 182 | C13H10O | 014562-09-5 | 87 |
| 2 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 83 |
| 3 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 78 |
| 4 | Dibenzofuran, 4-methyl- | 182 | C13H10O | 007320-53-8 | 64 |
| 5 | 2-Hydroxyfluorene | 182 | C13H10O | 002443-58-5 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047362.D
Acq On : 27 Aug 2024 13:57
Operator : RC/JU
Sample : P3728-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SU-03-08232024

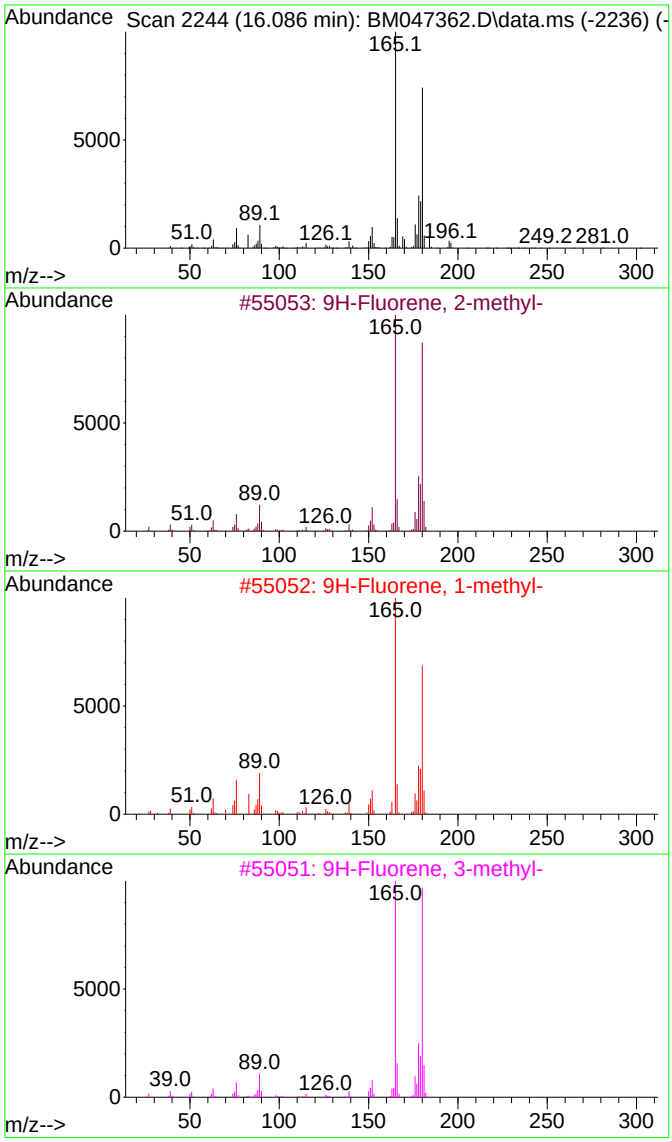
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

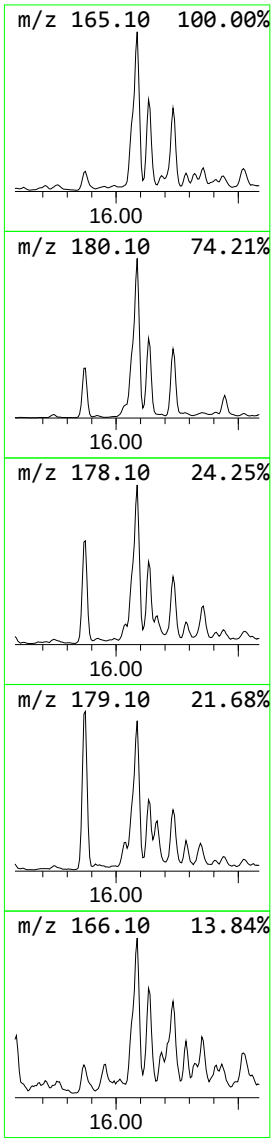
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.086 | 28.65 ng | 4175450 | Phenanthrene-d10 | 16.786 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 93 |
| 2 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 90 |
| 3 | 9H-Fluorene, 3-methyl- | 180 | C14H12 | 002523-39-9 | 90 |
| 4 | 9H-Fluorene, 9-methyl- | 180 | C14H12 | 002523-37-7 | 81 |
| 5 | 9H-Fluorene, 4-methyl- | 180 | C14H12 | 001556-99-6 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047362.D
Acq On : 27 Aug 2024 13:57
Operator : RC/JU
Sample : P3728-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SU-03-08232024

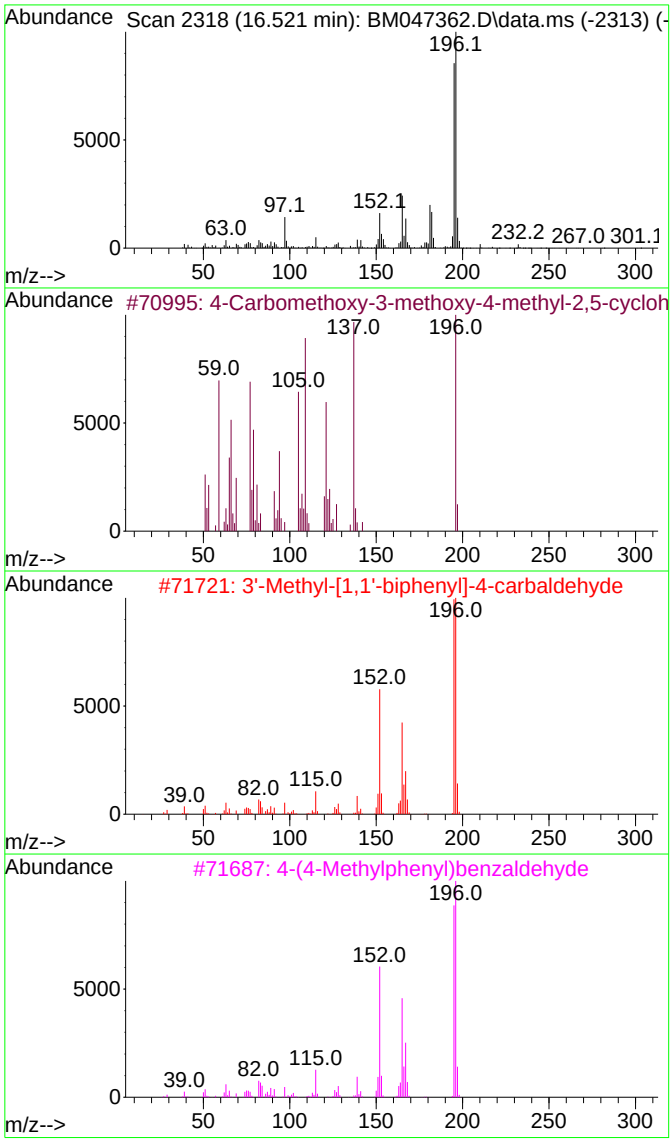
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

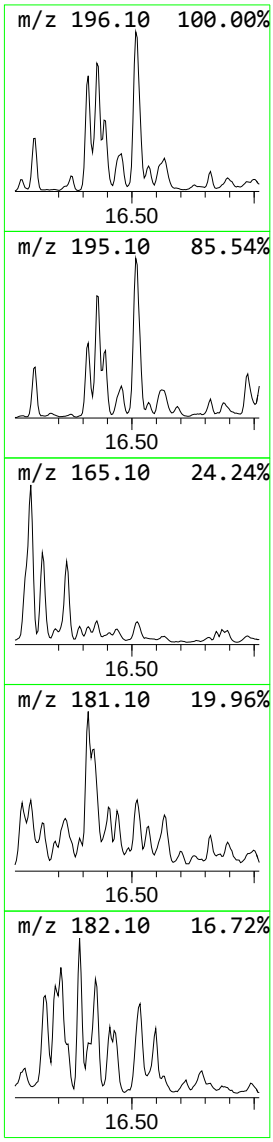
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 4-Carbomethoxy-3-methoxy-4-... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.521 | 17.65 ng | 2572690 | Phenanthrene-d10 | 16.786 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Carbomethoxy-3-methoxy-4-methy... | 196 | C10H12O4 | 120696-19-7 | 92 |
| 2 | 3'-Methyl-[1,1'-biphenyl]-4-carb... | 196 | C14H12O | 400744-83-4 | 81 |
| 3 | 4-(4-Methylphenyl)benzaldehyde | 196 | C14H12O | 036393-42-7 | 81 |
| 4 | 2,4,6-Trimethoxybenzaldehyde | 196 | C10H12O4 | 000830-79-5 | 64 |
| 5 | Phenol, 3-(2-phenylethenyl)-, (E)- | 196 | C14H12O | 017861-18-6 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047362.D
Acq On : 27 Aug 2024 13:57
Operator : RC/JU
Sample : P3728-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SU-03-08232024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

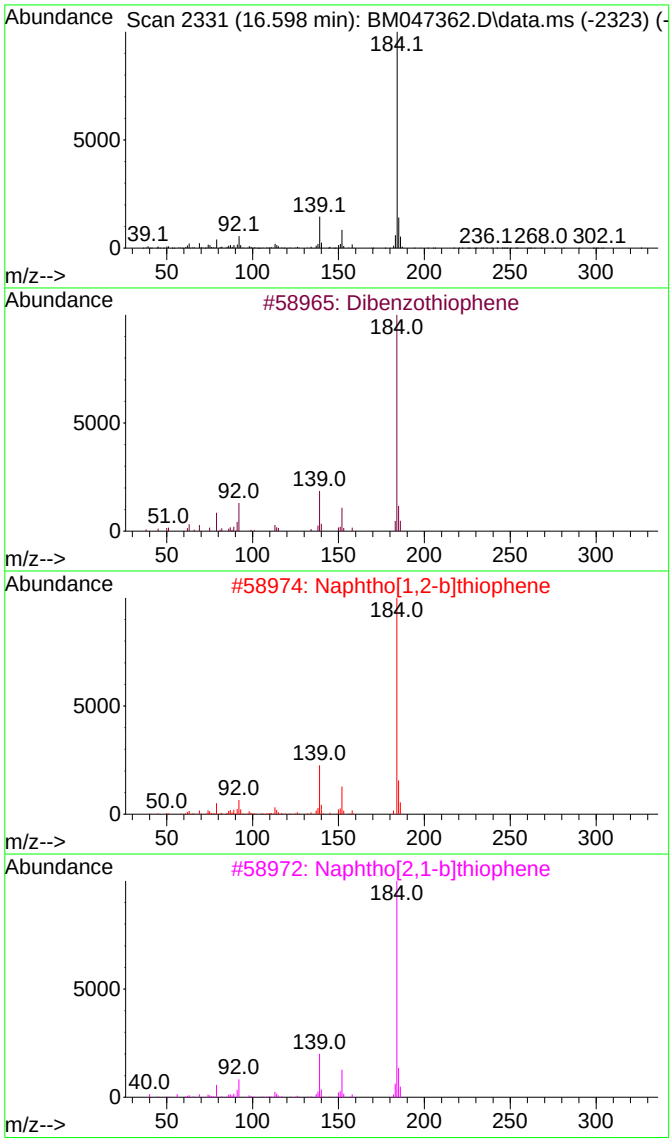
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

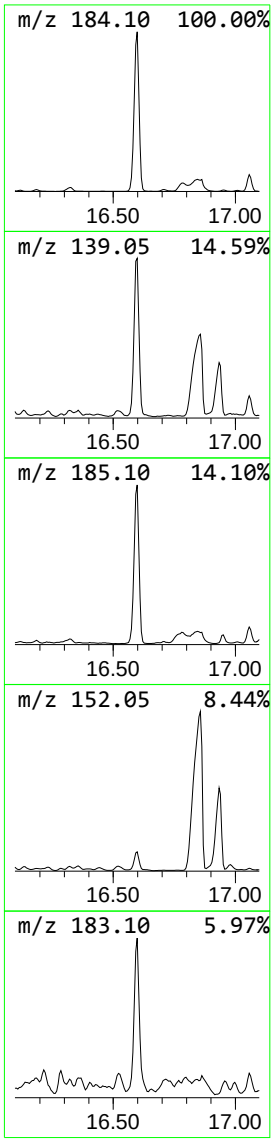
**********

Peak Number 5 Dibenzothiophene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.598 | 69.23 ng | 10090500 | Phenanthrene-d10 | 16.786 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 96 |
| 2 | Naphtho[1,2-b]thiophene | 184 | C12H8S | 000234-41-3 | 95 |
| 3 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 95 |
| 4 | Naphtho[2,3-b]thiophene | 184 | C12H8S | 000268-77-9 | 94 |
| 5 | Azuleno(2,1-b)thiophene | 184 | C12H8S | 000248-13-5 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047362.D
Acq On : 27 Aug 2024 13:57
Operator : RC/JU
Sample : P3728-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SU-03-08232024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

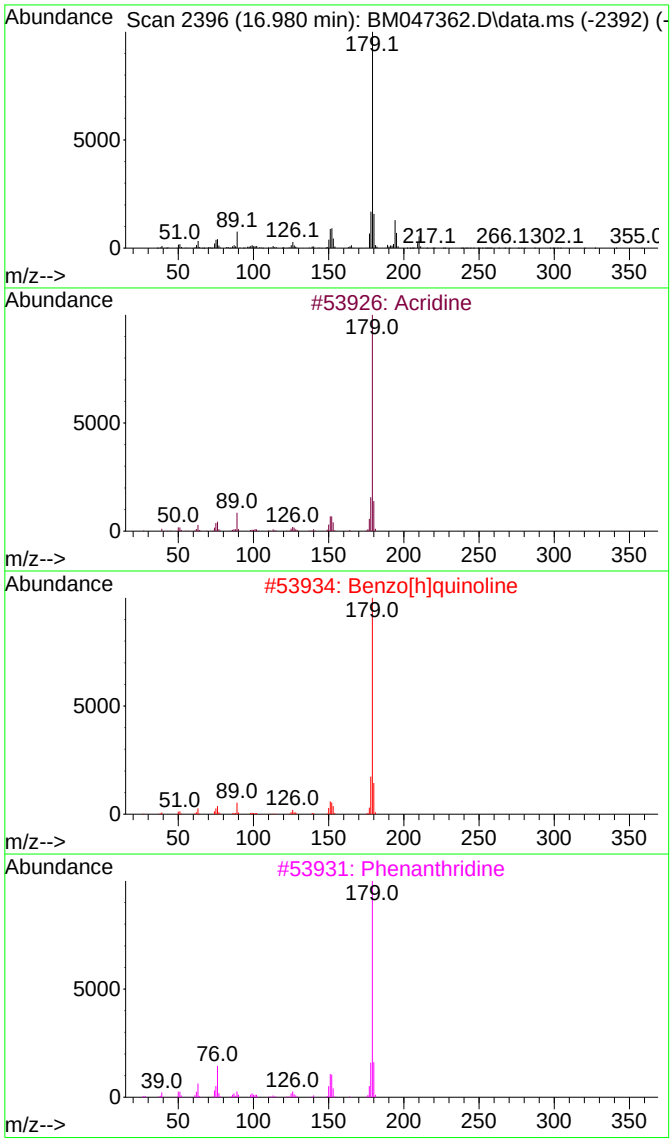
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

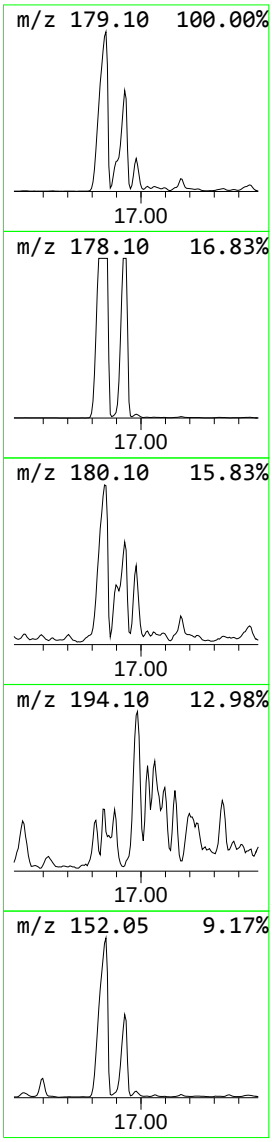
**********

Peak Number 6 Acridine Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.980 | 16.43 ng | 2394930 | Phenanthrene-d10 | 16.786 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acridine | 179 | C13H9N | 000260-94-6 | 96 |
| 2 | Benzo[h]quinoline | 179 | C13H9N | 000230-27-3 | 94 |
| 3 | Phenanthridine | 179 | C13H9N | 000229-87-8 | 93 |
| 4 | Benzo[f]quinoline | 179 | C13H9N | 000085-02-9 | 91 |
| 5 | Benzo[g]quinoline | 179 | C13H9N | 000260-36-6 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047362.D
Acq On : 27 Aug 2024 13:57
Operator : RC/JU
Sample : P3728-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SU-03-08232024

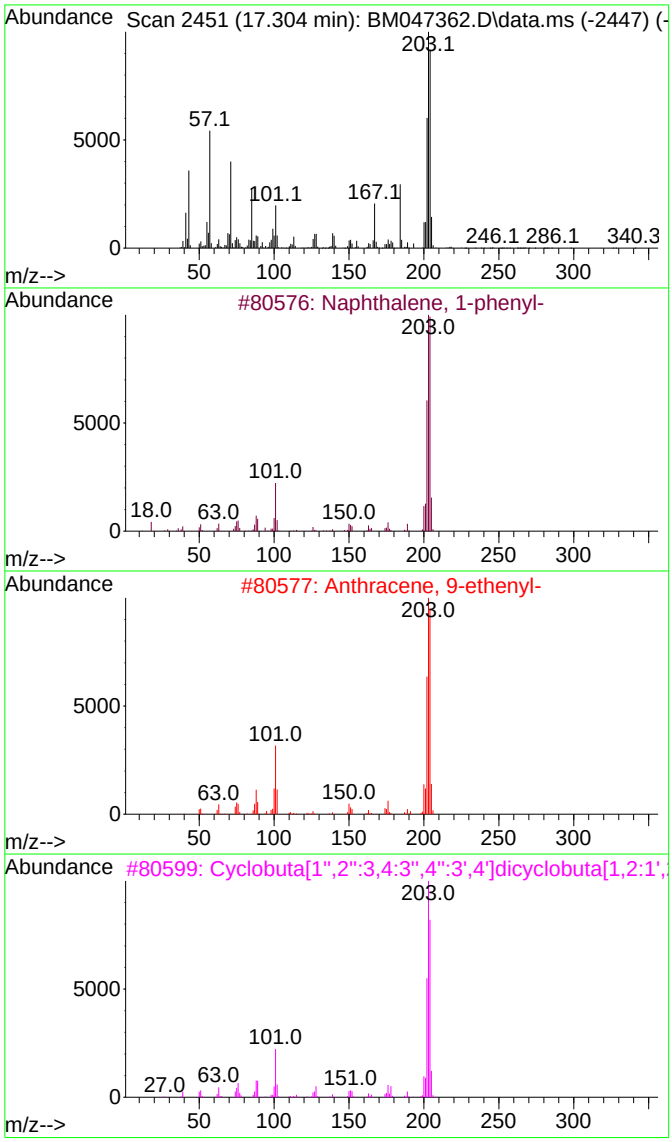
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

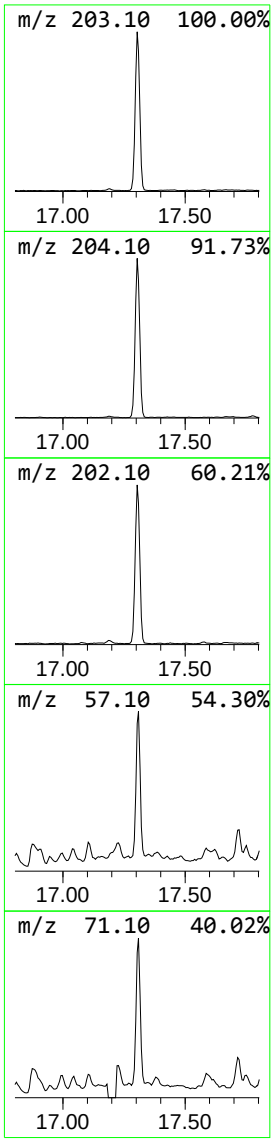
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Naphthalene, 1-phenyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.304 | 22.14 ng | 3227200 | Phenanthrene-d10 | 16.786 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-phenyl- | 204 | C16H12 | 000605-02-7 | 95 |
| 2 | Anthracene, 9-ethenyl- | 204 | C16H12 | 002444-68-0 | 90 |
| 3 | Cyclobuta[1'',2'':3,4:3'',4'':3'... | 204 | C16H12 | 006574-36-3 | 70 |
| 4 | 1H-Indene, 1-(phenylmethylene)- | 204 | C16H12 | 005394-86-5 | 70 |
| 5 | 9,10-ethenoanthracene, 9,10-dihy... | 204 | C16H12 | 1000400-47-8 | 55 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047362.D
Acq On : 27 Aug 2024 13:57
Operator : RC/JU
Sample : P3728-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SU-03-08232024

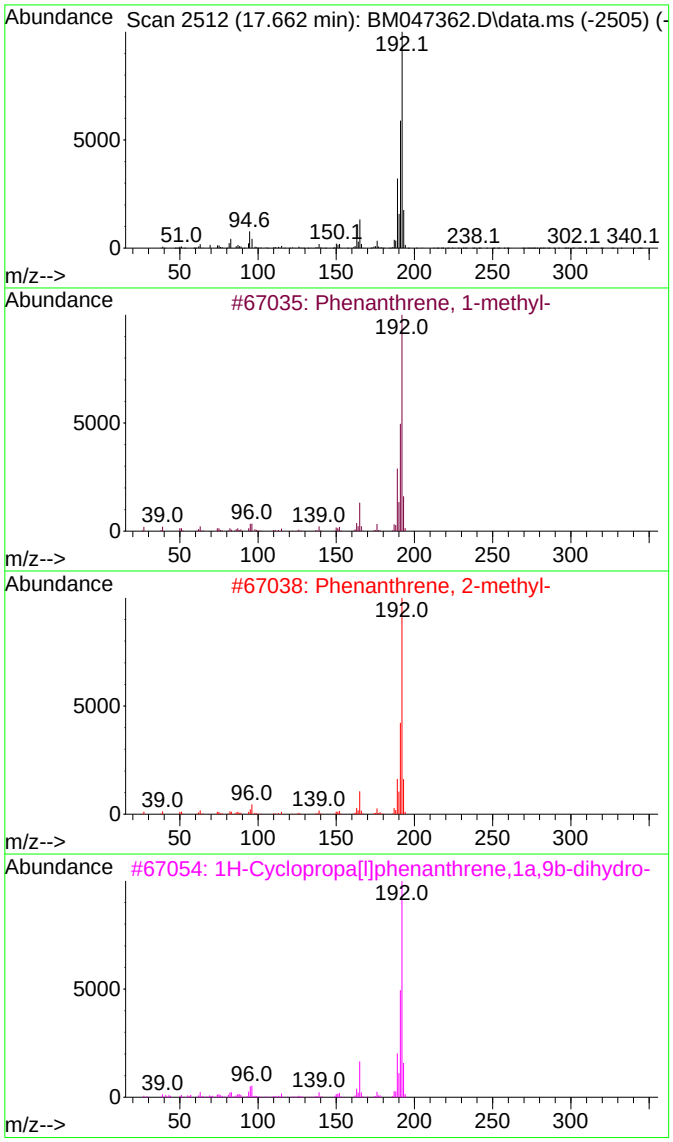
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

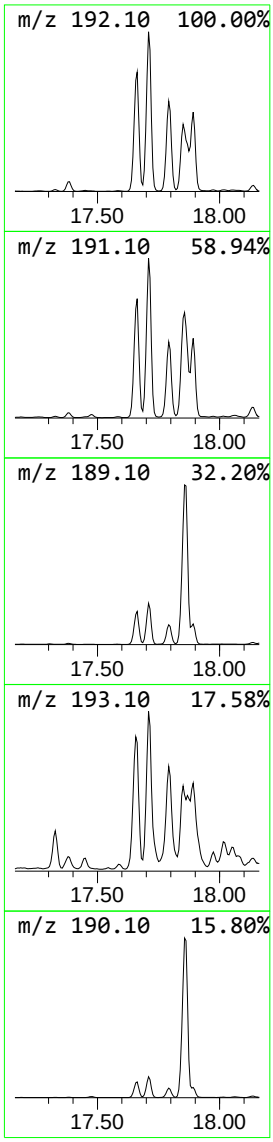
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.662 | 59.99 ng | 8743480 | Phenanthrene-d10 | 16.786 |

| 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 | 1H-Indene, 1-phenyl- | 192 | C15H12 | 001961-96-2 | 94 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047362.D
Acq On : 27 Aug 2024 13:57
Operator : RC/JU
Sample : P3728-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SU-03-08232024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

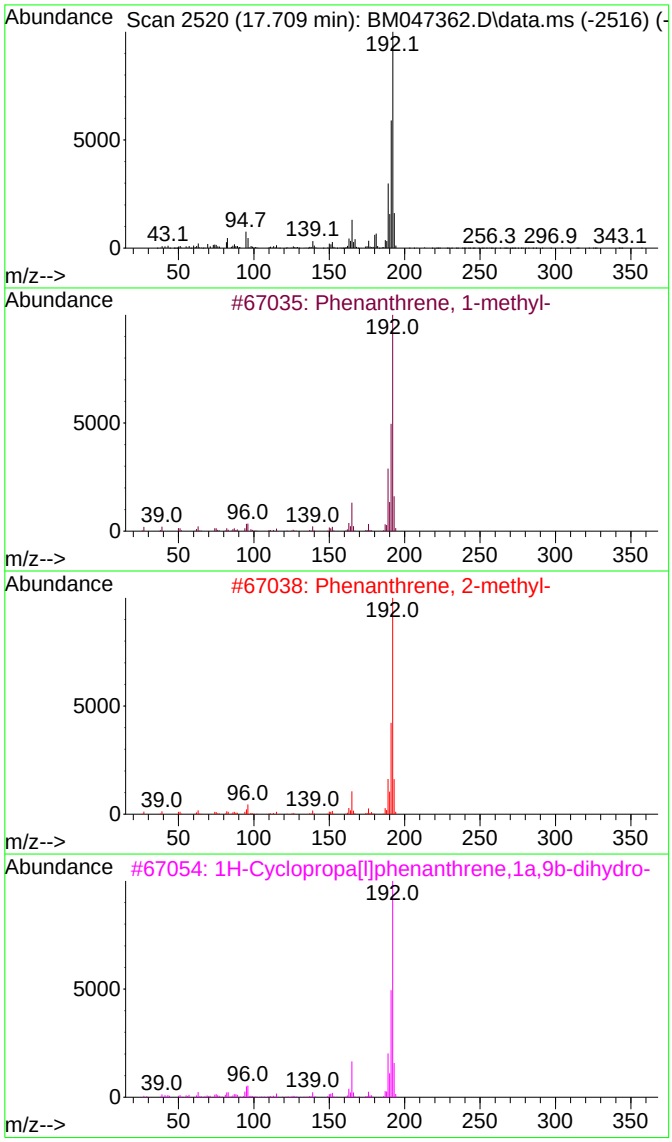
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

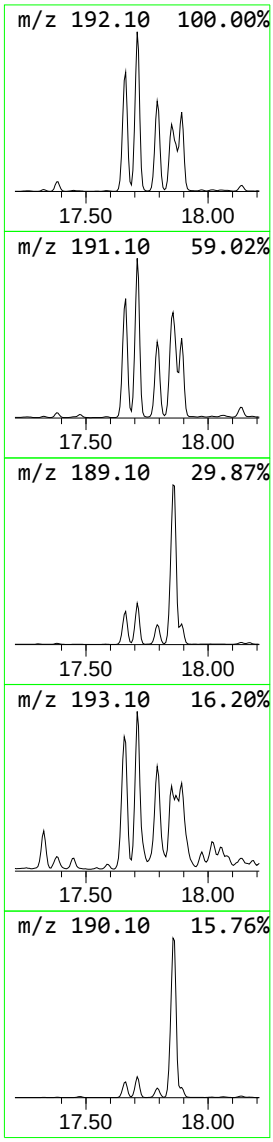
**********

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.709 | 81.98 ng | 11947700 | Phenanthrene-d10 | 16.786 |

| 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, 2-methyl- | 192 | C15H12 | 000613-12-7 | 94 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 94 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047362.D
Acq On : 27 Aug 2024 13:57
Operator : RC/JU
Sample : P3728-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SU-03-08232024

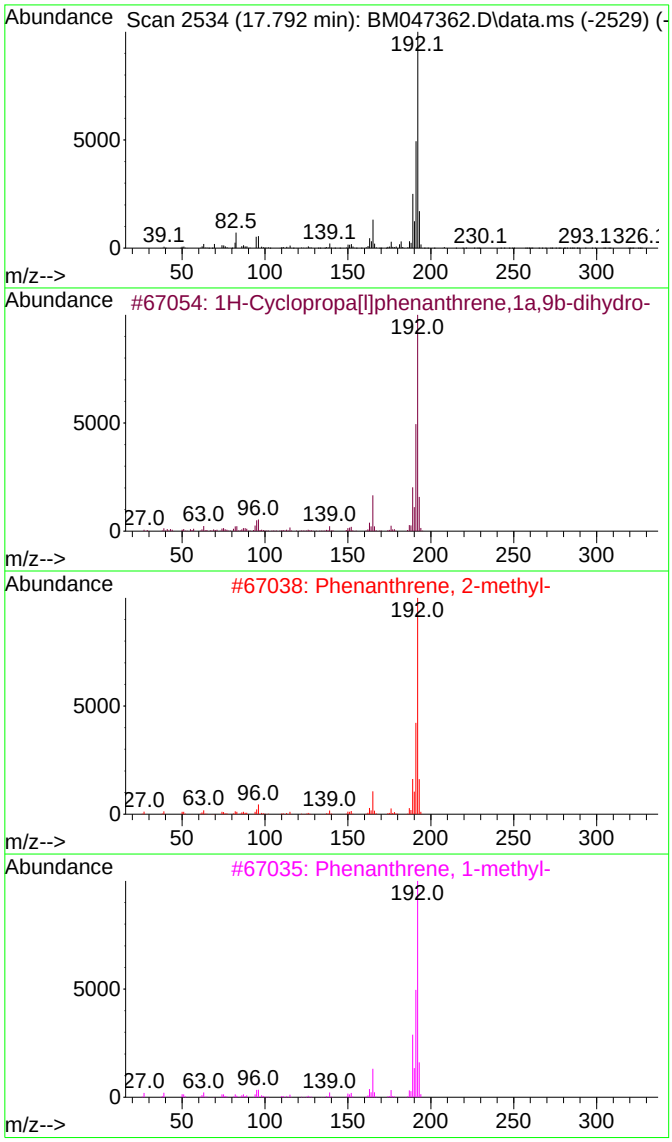
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

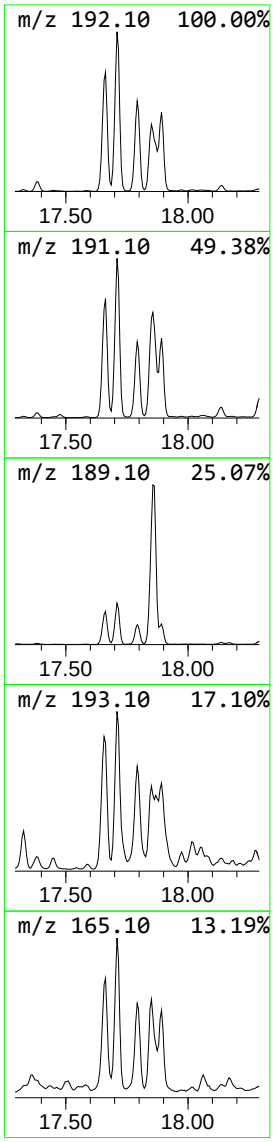
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.792 | 41.11 ng | 5990910 | Phenanthrene-d10 | 16.786 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 97 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 97 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 97 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 97 |
| 5 | Phenanthrene, 3-methyl- | 192 | C15H12 | 000832-71-3 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047362.D
Acq On : 27 Aug 2024 13:57
Operator : RC/JU
Sample : P3728-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SU-03-08232024

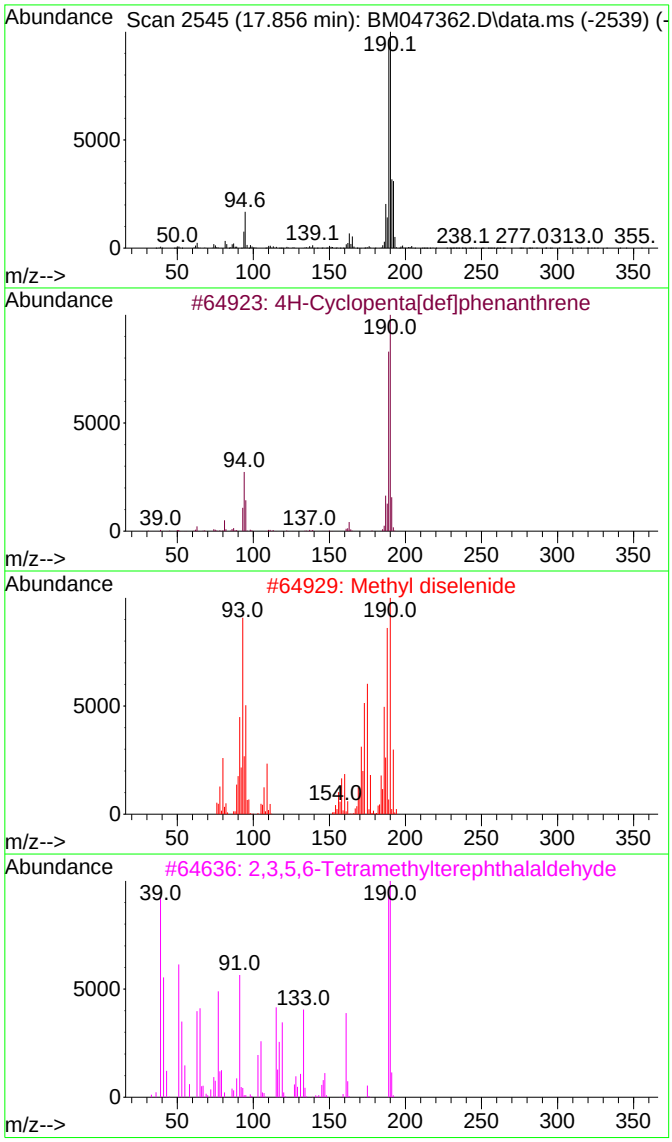
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

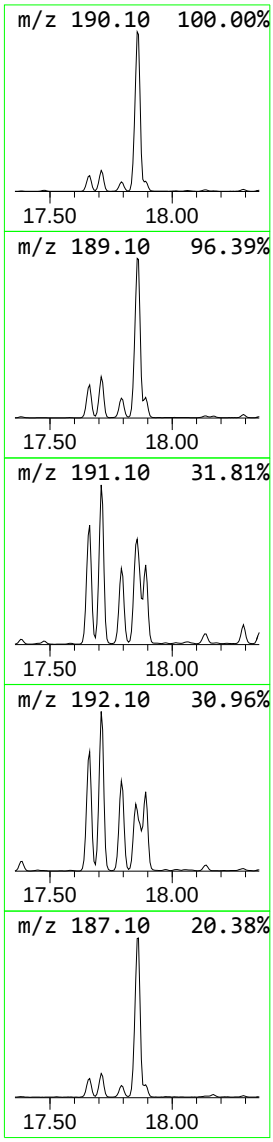
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.856 | 136.66 ng | 19916900 | Phenanthrene-d10 | 16.786 |

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047362.D
Acq On : 27 Aug 2024 13:57
Operator : RC/JU
Sample : P3728-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SU-03-08232024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

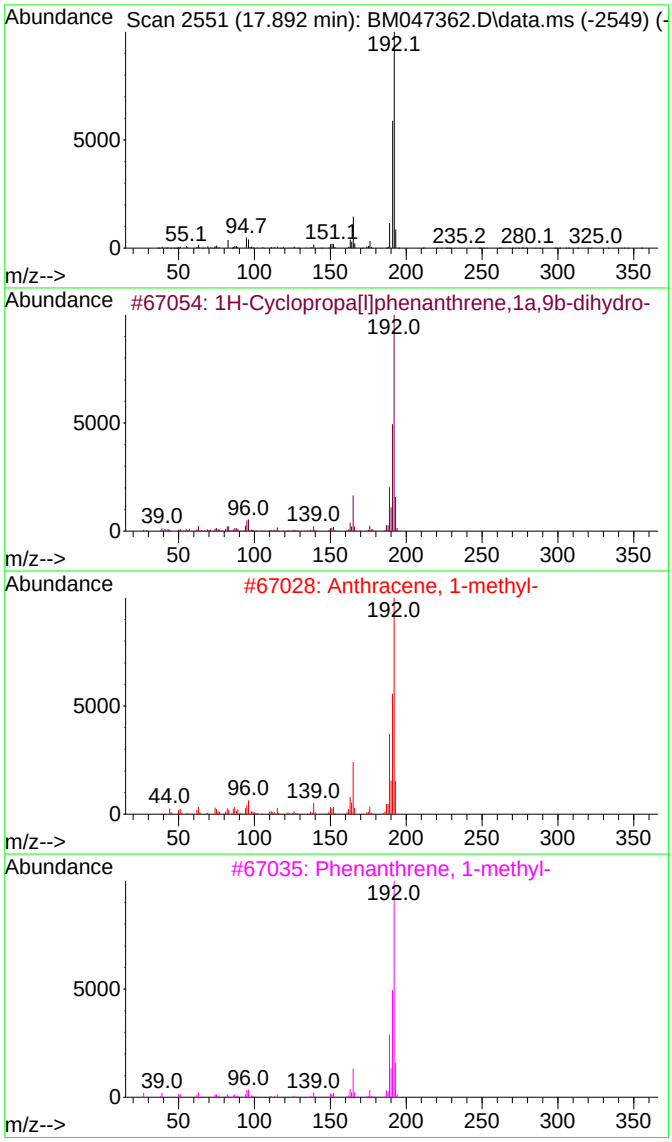
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

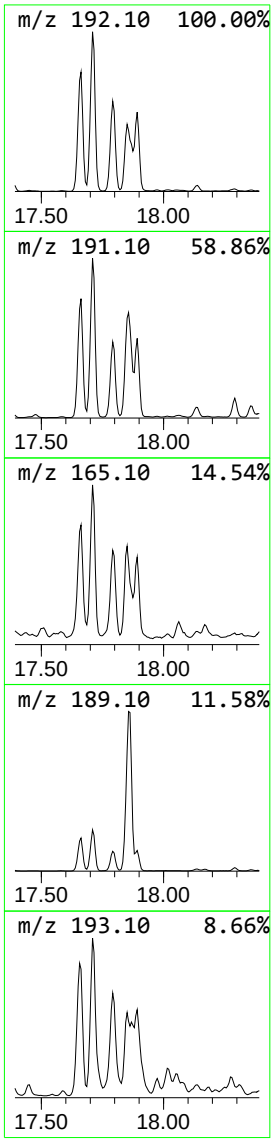
**********

Peak Number 12 Anthracene, 1-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.892 | 30.76 ng | 4483160 | Phenanthrene-d10 | 16.786 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 90 |
| 2 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 87 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 87 |
| 4 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 83 |
| 5 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 80 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047362.D
Acq On : 27 Aug 2024 13:57
Operator : RC/JU
Sample : P3728-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SU-03-08232024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

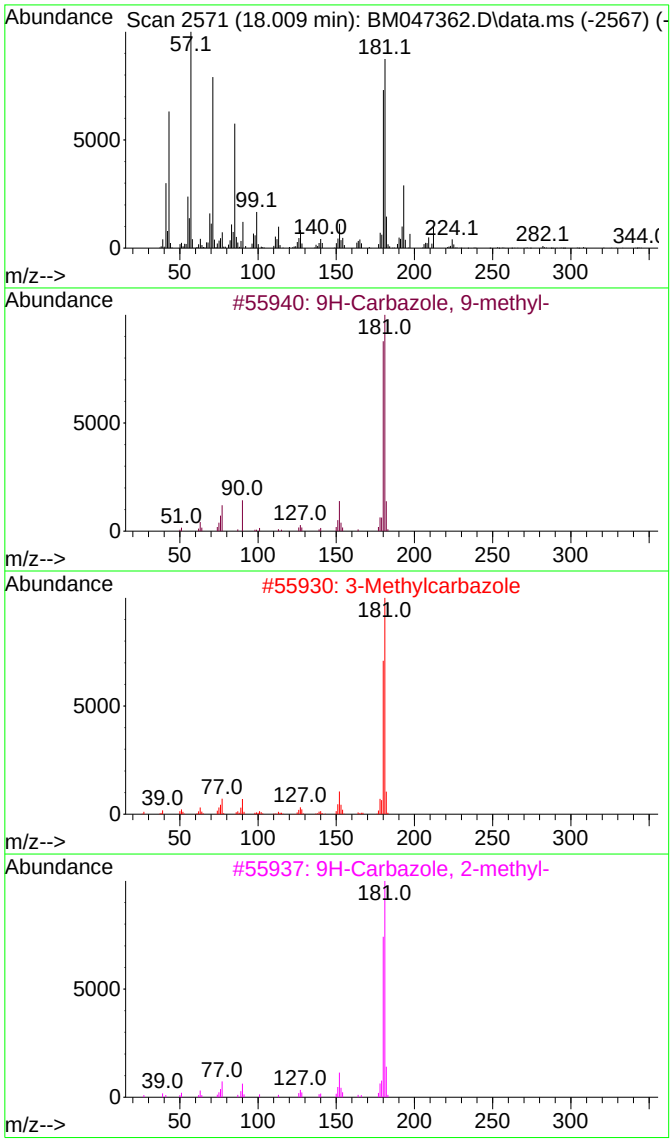
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

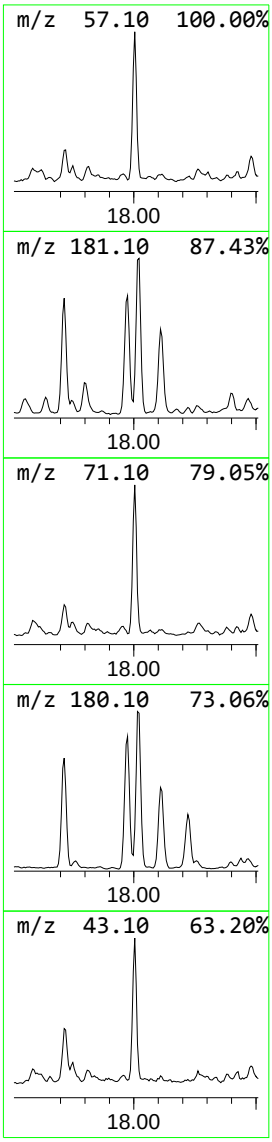
**********

Peak Number 13 9H-Carbazole, 9-methyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.009 | 15.29 ng | 2228630 | Phenanthrene-d10 | 16.786 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Carbazole, 9-methyl- | 181 | C13H11N | 001484-12-4 | 86 |
| 2 | 3-Methylcarbazole | 181 | C13H11N | 004630-20-0 | 83 |
| 3 | 9H-Carbazole, 2-methyl- | 181 | C13H11N | 003652-91-3 | 83 |
| 4 | 4-Methylcarbazole | 181 | C13H11N | 003770-48-7 | 83 |
| 5 | 1-Methylcarbazole | 181 | C13H11N | 006510-65-2 | 80 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047362.D
Acq On : 27 Aug 2024 13:57
Operator : RC/JU
Sample : P3728-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SU-03-08232024

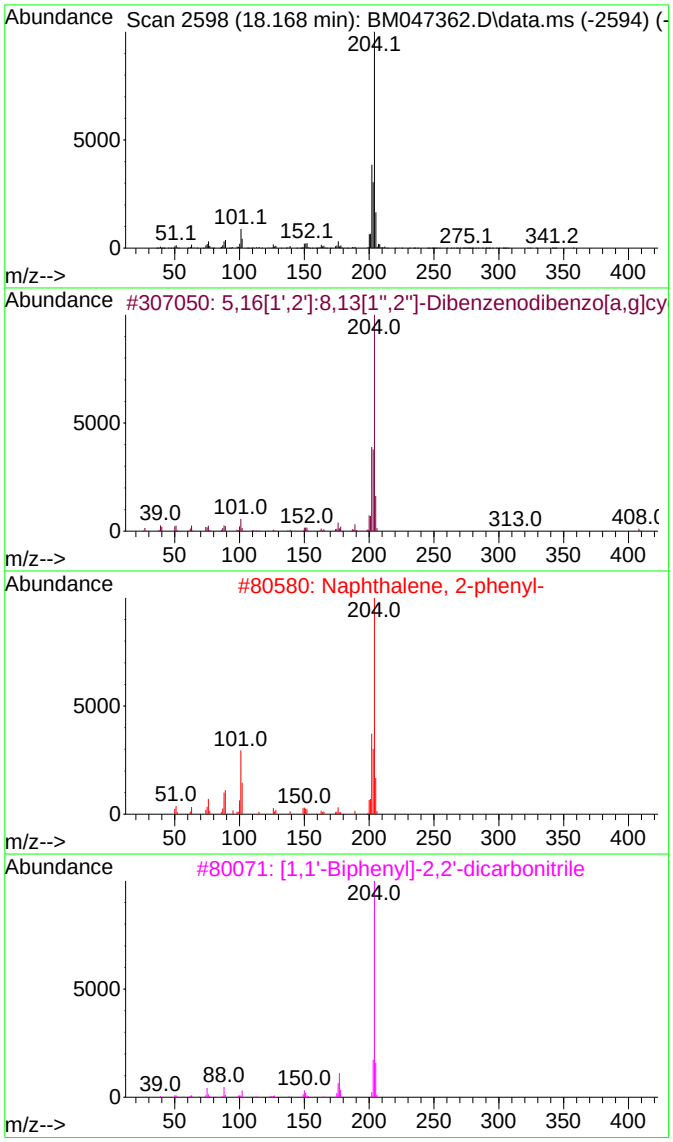
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

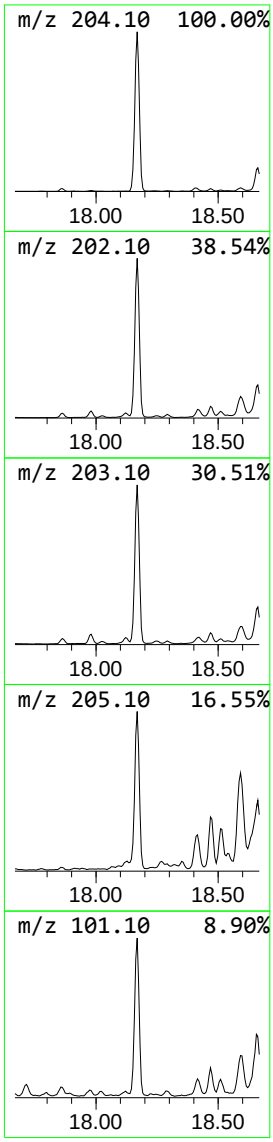
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.168 | 43.88 ng | 6395330 | Phenanthrene-d10 | 16.786 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 91 |
| 2 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 86 |
| 3 | [1,1'-Biphenyl]-2,2'-dicarbonitrile | 204 | C14H8N2 | 004341-02-0 | 49 |
| 4 | [1,1'-Biphenyl]-2-ol, 5-chloro- | 204 | C12H9ClO | 000607-12-5 | 47 |
| 5 | Naphthalene, 1-phenyl- | 204 | C16H12 | 000605-02-7 | 47 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047362.D
Acq On : 27 Aug 2024 13:57
Operator : RC/JU
Sample : P3728-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SU-03-08232024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

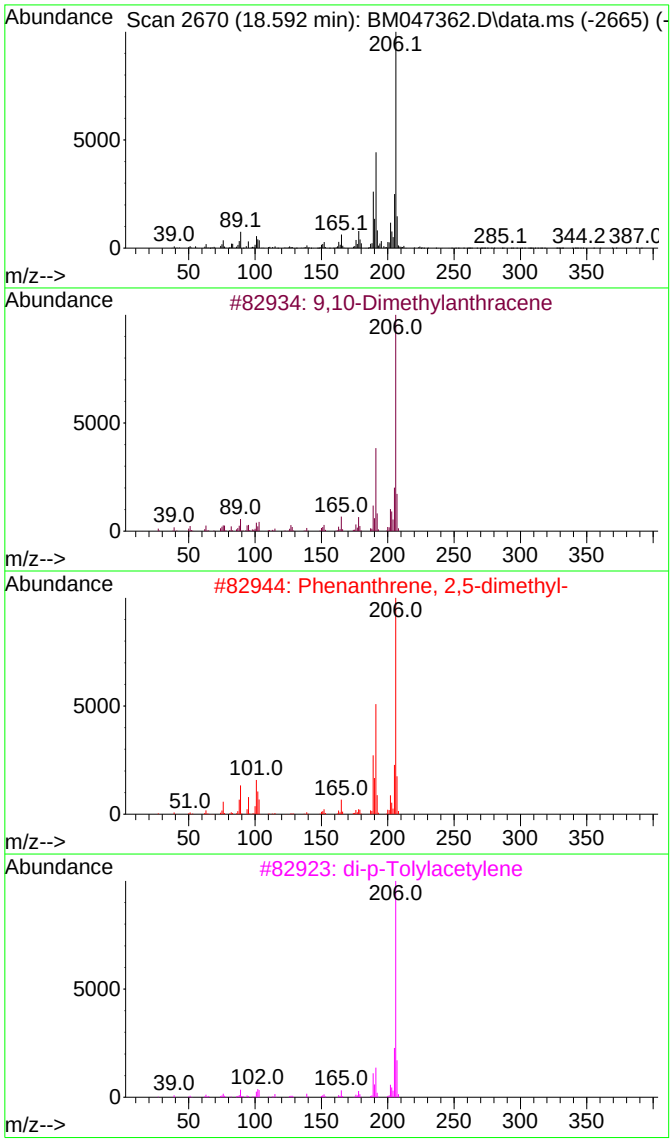
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

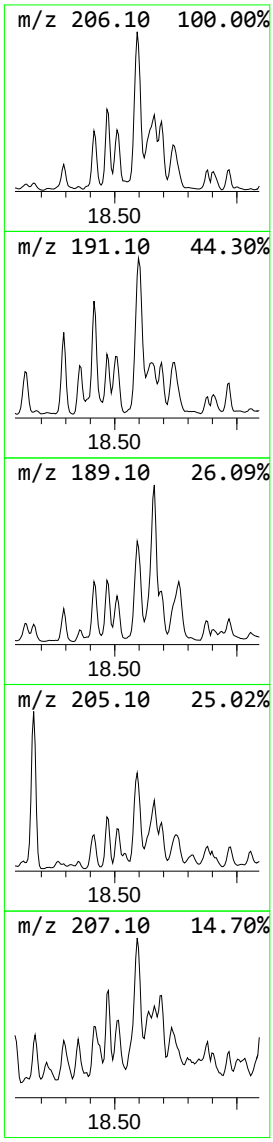
**********

Peak Number 15 9,10-Dimethylanthracene Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.592 | 30.59 ng | 4457970 | Phenanthrene-d10 | 16.786 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 96 |
| 2 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 96 |
| 3 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 91 |
| 4 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 90 |
| 5 | Naphthalene, 1,2-dihydro-4-phenyl- | 206 | C16H14 | 007469-40-1 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047362.D
Acq On : 27 Aug 2024 13:57
Operator : RC/JU
Sample : P3728-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SU-03-08232024

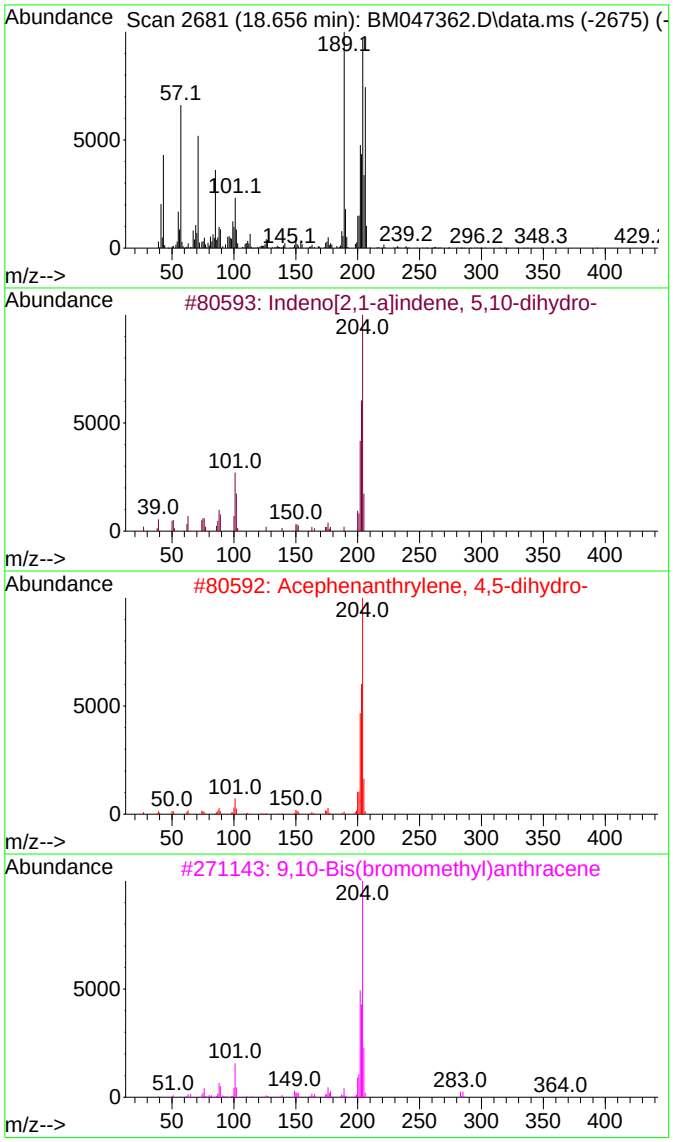
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

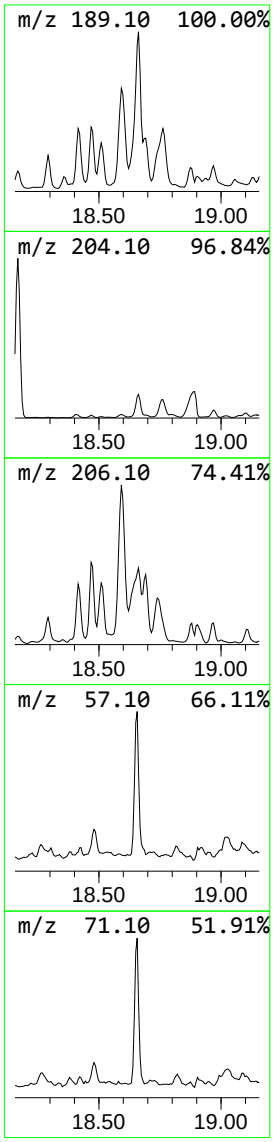
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 Indeno[2,1-a]indene, 5,10-d... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.656 | 26.36 ng | 3841930 | Phenanthrene-d10 | 16.786 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indeno[2,1-a]indene, 5,10-dihydro- | 204 | C16H12 | 006543-29-9 | 52 |
| 2 | Acephenanthrylene, 4,5-dihydro- | 204 | C16H12 | 006232-48-0 | 38 |
| 3 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 38 |
| 4 | 9,10-di(Chloromethyl)anthracene | 274 | C16H12Cl2 | 010387-13-0 | 38 |
| 5 | Benzene, 1,1'-(1-buten-3-yne-1,4... | 204 | C16H12 | 013141-45-2 | 35 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047362.D
Acq On : 27 Aug 2024 13:57
Operator : RC/JU
Sample : P3728-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SU-03-08232024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

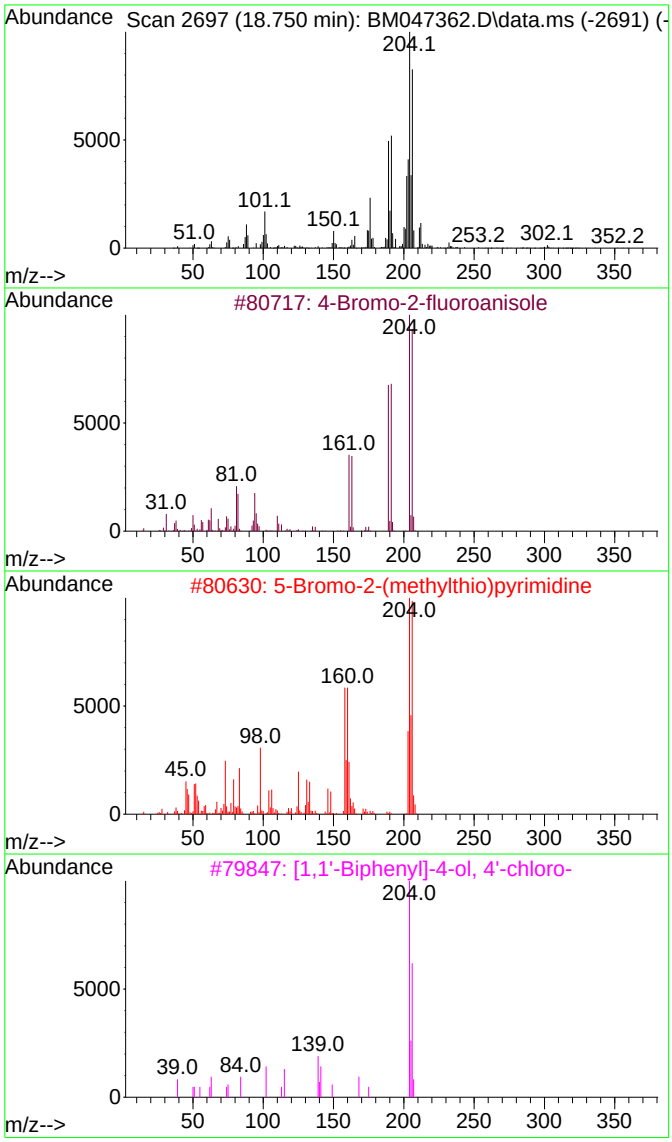
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

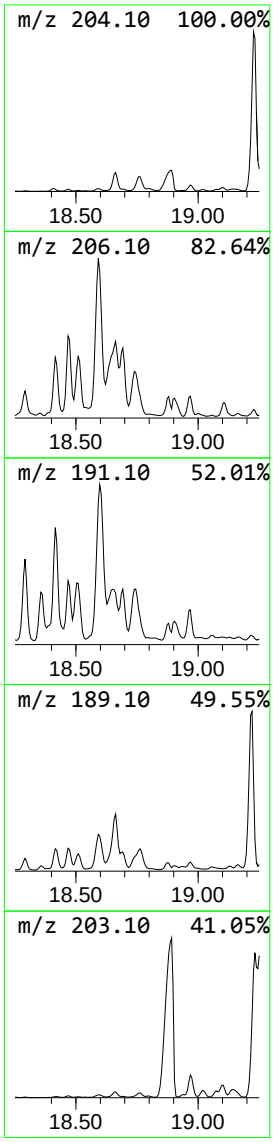
**********

Peak Number 17 4-Bromo-2-fluoroanisole Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.750 | 17.34 ng | 2526560 | Phenanthrene-d10 | 16.786 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Bromo-2-fluoroanisole | 204 | C7H6BrFO | 002357-52-0 | 52 |
| 2 | 5-Bromo-2-(methylthio)pyrimidine | 204 | C5H5BrN2S | 014001-67-3 | 46 |
| 3 | [1,1'-Biphenyl]-4-ol, 4'-chloro- | 204 | C12H9ClO | 028034-99-3 | 43 |
| 4 | [14]Annulene, 1,6:8,13-bis(metha... | 206 | C16H14 | 085385-68-8 | 38 |
| 5 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047362.D
Acq On : 27 Aug 2024 13:57
Operator : RC/JU
Sample : P3728-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SU-03-08232024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

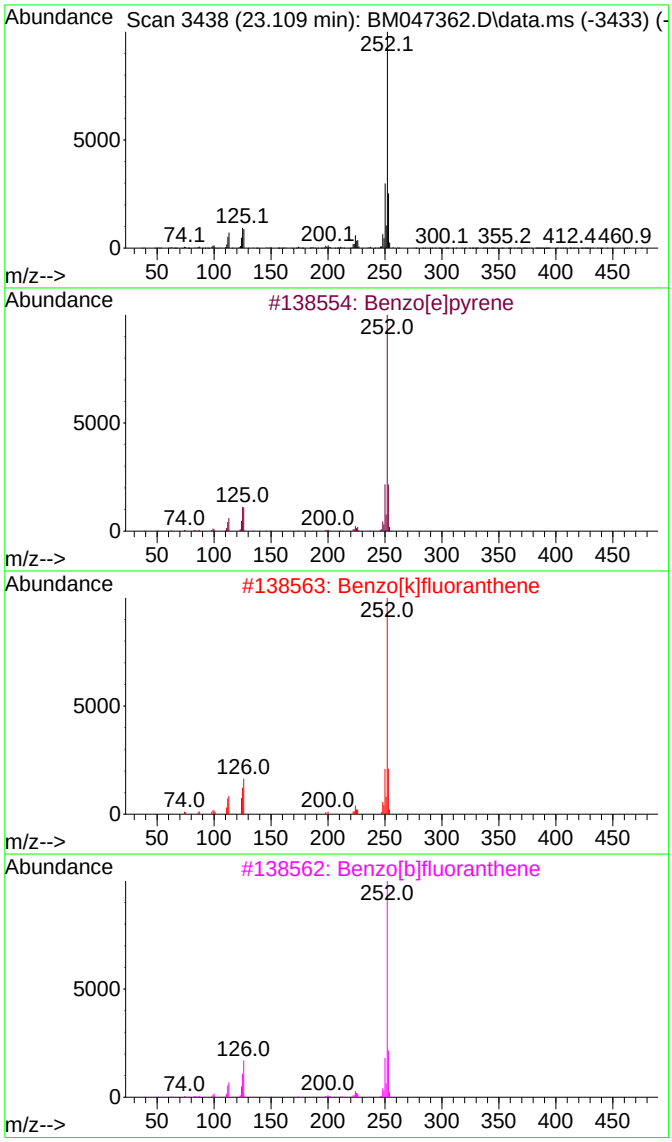
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

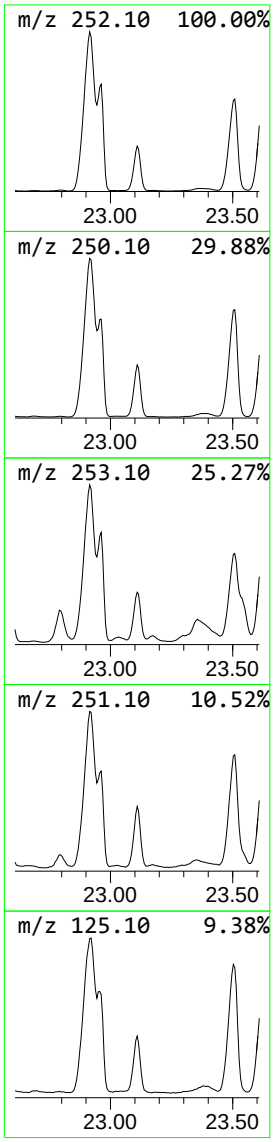
**********

Peak Number 18 Benzo[e]pyrene Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.109 | 29.50 ng | 6401440 | Perylene-d12 | 23.744 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 96 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 96 |
| 3 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 93 |
| 4 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 91 |
| 5 | Perylene | 252 | C20H12 | 000198-55-0 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047362.D
Acq On : 27 Aug 2024 13:57
Operator : RC/JU
Sample : P3728-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SU-03-08232024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

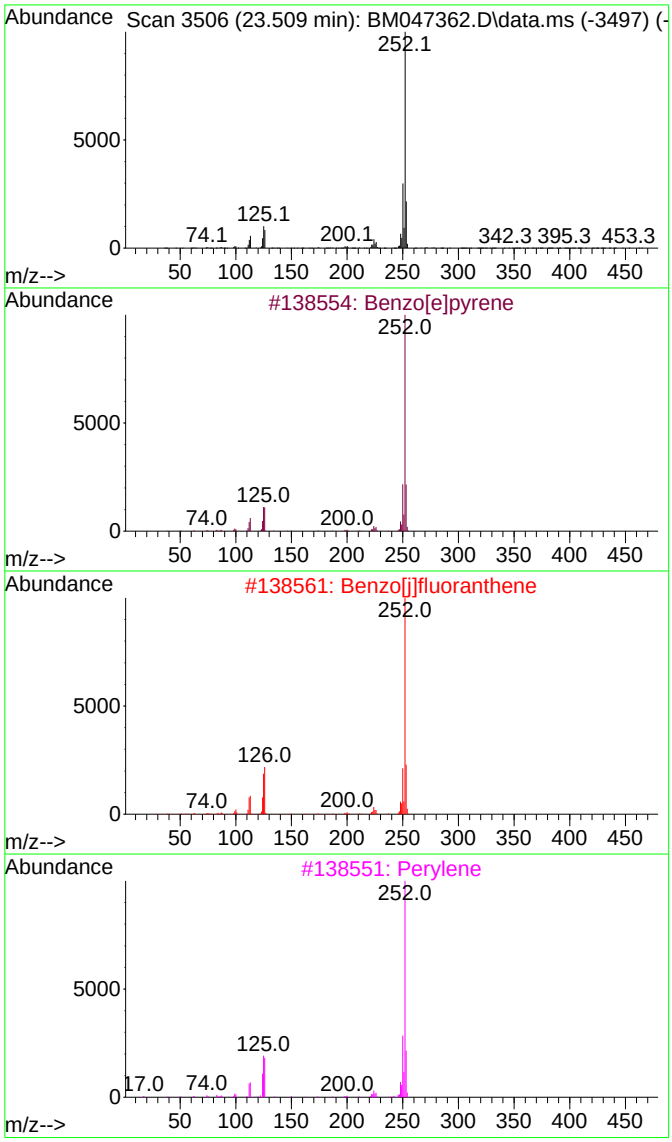
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

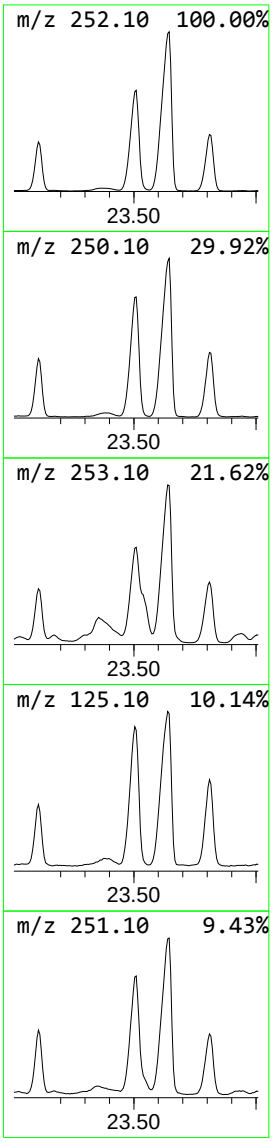
**********

Peak Number 19 Benzo[j]fluoranthene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.509 | 89.12 ng | 19336100 | Perylene-d12 | 23.744 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 98 |
| 2 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 96 |
| 3 | Perylene | 252 | C20H12 | 000198-55-0 | 96 |
| 4 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 96 |
| 5 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047362.D
Acq On : 27 Aug 2024 13:57
Operator : RC/JU
Sample : P3728-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SU-03-08232024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

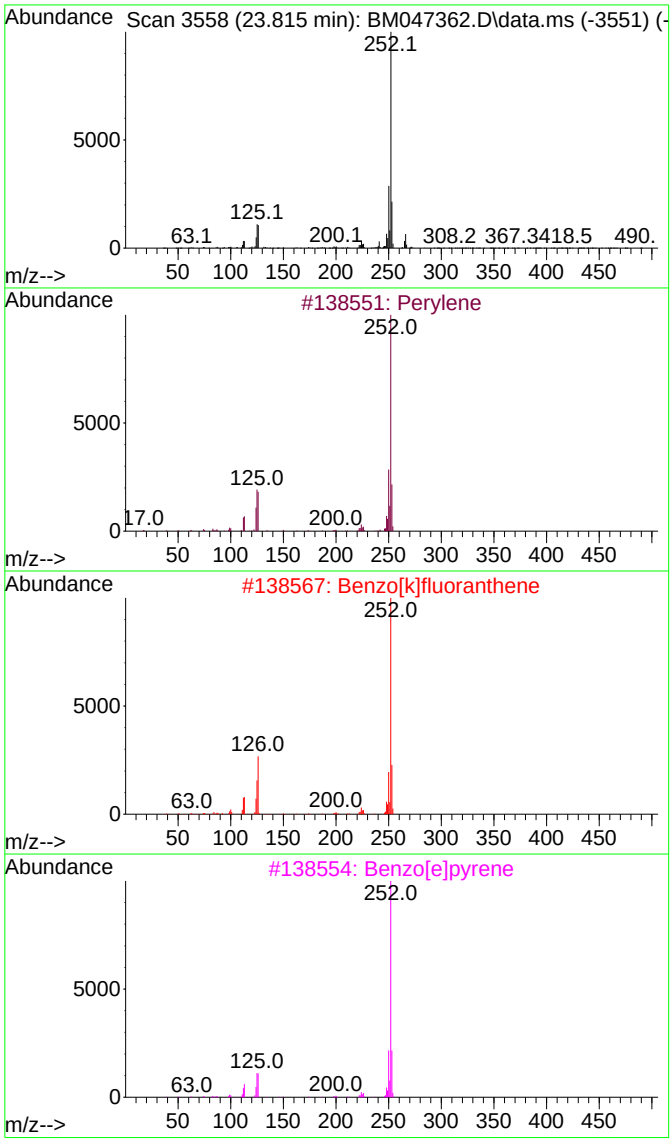
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

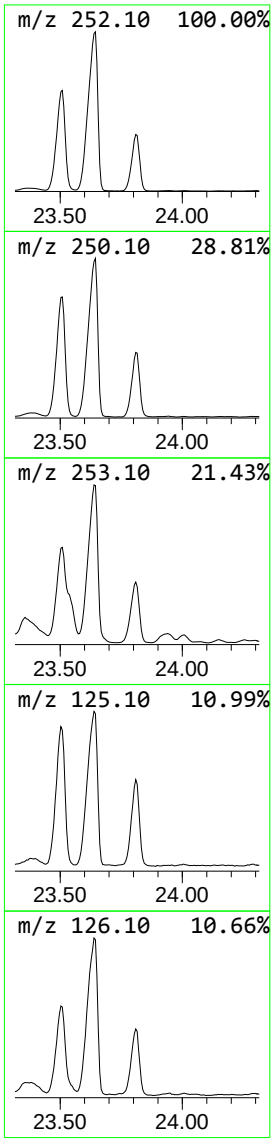
**********

Peak Number 20 Perylene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.815 | 49.77 ng | 10799100 | Perylene-d12 | 23.744 |

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



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047362.D
Acq On : 27 Aug 2024 13:57
Operator : RC/JU
Sample : P3728-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SU-03-08232024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Naphthalene, 2,... | 13.321 | 18.5 | ng | 4726290 | 3 | 14.010 | 5108410 | 20.0 |
| 2,4,6-Cycloheptt... | 15.374 | 16.9 | ng | 4305830 | 3 | 14.010 | 5108410 | 20.0 |
| 9H-Fluorene, 2-... | 16.086 | 28.6 | ng | 4175450 | 4 | 16.786 | 2914870 | 20.0 |
| 4-Carbomethoxy-... | 16.521 | 17.6 | ng | 2572690 | 4 | 16.786 | 2914870 | 20.0 |
| Dibenzothiophene | 16.598 | 69.2 | ng | 10090500 | 4 | 16.786 | 2914870 | 20.0 |
| Acridine | 16.980 | 16.4 | ng | 2394930 | 4 | 16.786 | 2914870 | 20.0 |
| Naphthalene, 1-... | 17.304 | 22.1 | ng | 3227200 | 4 | 16.786 | 2914870 | 20.0 |
| Phenanthrene, 1... | 17.662 | 60.0 | ng | 8743480 | 4 | 16.786 | 2914870 | 20.0 |
| Phenanthrene, 2... | 17.709 | 82.0 | ng | 11947700 | 4 | 16.786 | 2914870 | 20.0 |
| 1H-Cyclopropa[l... | 17.792 | 41.1 | ng | 5990910 | 4 | 16.786 | 2914870 | 20.0 |
| 4H-Cyclopenta[d... | 17.856 | 136.7 | ng | 19916900 | 4 | 16.786 | 2914870 | 20.0 |
| Anthracene, 1-m... | 17.892 | 30.8 | ng | 4483160 | 4 | 16.786 | 2914870 | 20.0 |
| 9H-Carbazole, 9... | 18.009 | 15.3 | ng | 2228630 | 4 | 16.786 | 2914870 | 20.0 |
| 5,16[1',2']:8,1... | 18.168 | 43.9 | ng | 6395330 | 4 | 16.786 | 2914870 | 20.0 |
| 9,10-Dimethylan... | 18.592 | 30.6 | ng | 4457970 | 4 | 16.786 | 2914870 | 20.0 |
| Indeno[2,1-a]in... | 18.656 | 26.4 | ng | 3841930 | 4 | 16.786 | 2914870 | 20.0 |
| 4-Bromo-2-fluor... | 18.750 | 17.3 | ng | 2526560 | 4 | 16.786 | 2914870 | 20.0 |
| Benzo[e]pyrene | 23.109 | 29.5 | ng | 6401440 | 6 | 23.744 | 4339500 | 20.0 |
| Benzo[j]fluoran... | 23.509 | 89.1 | ng | 19336100 | 6 | 23.744 | 4339500 | 20.0 |
| Perylene | 23.815 | 49.8 | ng | 10799100 | 6 | 23.744 | 4339500 | 20.0 |