LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071525\
Data File : BP025153.D
Acq On : 15 Jul 2025 20:06
Operator : CG/JU
Sample : Q2546-01 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** HD-02-7-9-2025

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-BP070325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025153.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.108 | 363 | 369 | 376 | rBV | 578430 | 833528 | 5.99% | 0.800% |
| 2 | 6.643 | 622 | 630 | 637 | rBV | 600227 | 900424 | 6.47% | 0.864% |
| 3 | 7.443 | 760 | 766 | 775 | rVB | 2553125 | 3762745 | 27.03% | 3.612% |
| 4 | 8.578 | 945 | 959 | 966 | rBV | 347808 | 610193 | 4.38% | 0.586% |
| 5 | 10.190 | 1225 | 1233 | 1247 | rBV | 3482690 | 5494984 | 39.48% | 5.275% |
| 6 | 12.695 | 1654 | 1659 | 1665 | rVB | 980155 | 1467748 | 10.55% | 1.409% |
| 7 | 14.095 | 1891 | 1897 | 1903 | rBV | 4856633 | 7123046 | 51.18% | 6.837% |
| 8 | 14.160 | 1903 | 1908 | 1916 | rVB | 284284 | 469966 | 3.38% | 0.451% |
| 9 | 14.507 | 1962 | 1967 | 1973 | rVB | 152082 | 251244 | 1.81% | 0.241% |
| 10 | 15.172 | 2075 | 2080 | 2085 | rBV | 381091 | 543817 | 3.91% | 0.522% |
| 11 | 15.489 | 2129 | 2134 | 2142 | rBV3 | 167954 | 315063 | 2.26% | 0.302% |
| 12 | 15.619 | 2151 | 2156 | 2166 | rVB2 | 884509 | 1338616 | 9.62% | 1.285% |
| 13 | 16.560 | 2312 | 2316 | 2324 | rBV | 138638 | 222562 | 1.60% | 0.214% |
| 14 | 16.642 | 2327 | 2330 | 2335 | rVV3 | 93260 | 166269 | 1.19% | 0.160% |
| 15 | 16.719 | 2339 | 2343 | 2348 | rVB | 162644 | 261772 | 1.88% | 0.251% |
| 16 | 16.919 | 2371 | 2377 | 2380 | rBV | 5759123 | 8337414 | 59.90% | 8.003% |
| 17 | 16.954 | 2380 | 2383 | 2390 | rVV | 4129292 | 5062603 | 36.37% | 4.860% |
| 18 | 17.042 | 2393 | 2398 | 2405 | rVB | 1170240 | 1756996 | 12.62% | 1.687% |
| 19 | 17.325 | 2443 | 2446 | 2452 | rVB | 176277 | 234266 | 1.68% | 0.225% |
| 20 | 17.825 | 2526 | 2531 | 2535 | rBV | 366330 | 616133 | 4.43% | 0.591% |
| 21 | 17.878 | 2535 | 2540 | 2548 | rVV2 | 588325 | 1155206 | 8.30% | 1.109% |
| 22 | 17.954 | 2550 | 2553 | 2559 | rVB | 283362 | 382138 | 2.75% | 0.367% |
| 23 | 18.019 | 2559 | 2564 | 2568 | rBV2 | 855830 | 1432438 | 10.29% | 1.375% |
| 24 | 18.348 | 2616 | 2620 | 2623 | rBV | 354673 | 562906 | 4.04% | 0.540% |
| 25 | 18.889 | 2709 | 2712 | 2714 | rVB3 | 184787 | 189976 | 1.36% | 0.182% |
| 26 | 18.925 | 2715 | 2718 | 2722 | rBV2 | 250413 | 372861 | 2.68% | 0.358% |
| 27 | 19.007 | 2728 | 2732 | 2734 | rBV4 | 269088 | 369741 | 2.66% | 0.355% |
| 28 | 19.060 | 2734 | 2741 | 2746 | rVV | 8937671 | 12179243 | 87.50% | 11.691% |
| 29 | 19.242 | 2769 | 2772 | 2774 | rBV2 | 191796 | 204115 | 1.47% | 0.196% |
| 30 | 19.430 | 2797 | 2804 | 2813 | rVB | 7324680 | 10210508 | 73.36% | 9.801% |
| 31 | 19.666 | 2840 | 2844 | 2848 | rVB | 1410638 | 1535844 | 11.03% | 1.474% |
| 32 | 19.777 | 2861 | 2863 | 2864 | rBV | 335254 | 240861 | 1.73% | 0.231% |
| 33 | 19.819 | 2869 | 2870 | 2873 | rVB2 | 381223 | 312650 | 2.25% | 0.300% |
| 34 | 19.966 | 2892 | 2895 | 2899 | rVB2 | 715492 | 997289 | 7.17% | 0.957% |
| 35 | 20.066 | 2908 | 2912 | 2916 | rVB | 847584 | 1207680 | 8.68% | 1.159% |
| 36 | 20.742 | 3025 | 3027 | 3033 | rVB | 524587 | 493829 | 3.55% | 0.474% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071525\
Data File : BP025153.D
Acq On : 15 Jul 2025 20:06
Operator : CG/JU
Sample : Q2546-01 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
HD-02-7-9-2025

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-BP070325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 20.848 | 3043 | 3045 | 3048 | rBV3 | 556265 | 553012 | 3.97% | 0.531% |
| 38 | 21.077 | 3080 | 3084 | 3088 | rBV2 | 583379 | 1104088 | 7.93% | 1.060% |
| 39 | 21.342 | 3122 | 3129 | 3134 | rBV3 | 5842291 | 13918528 | 100.00% | 13.360% |
| 40 | 21.395 | 3135 | 3138 | 3144 | rVB | 2614866 | 3493304 | 25.10% | 3.353% |
| 41 | 23.507 | 3492 | 3497 | 3504 | rBV | 1650781 | 4800829 | 34.49% | 4.608% |
| 42 | 24.495 | 3658 | 3665 | 3671 | rBV | 3735420 | 8691696 | 62.45% | 8.343% |

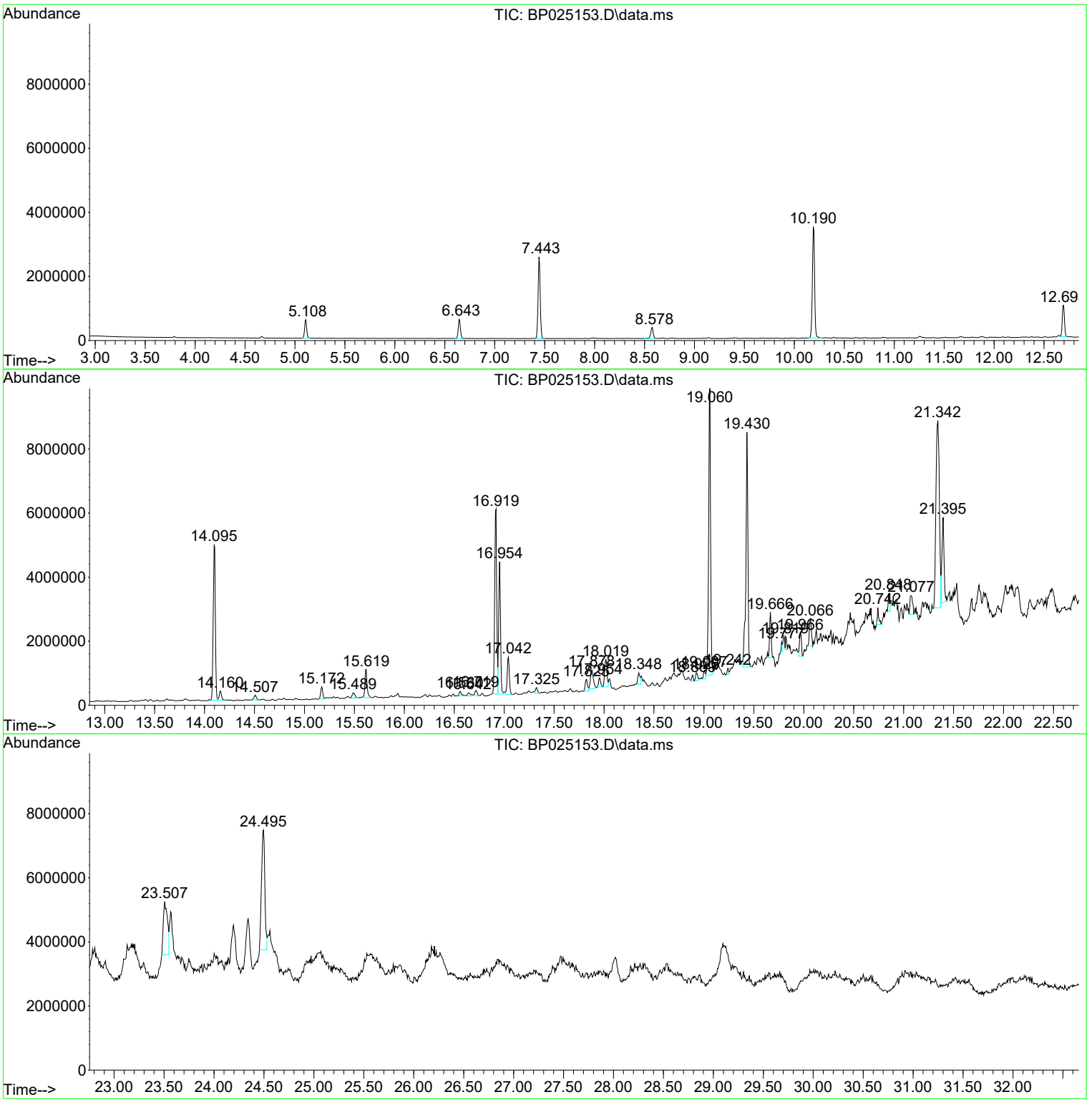
Sum of corrected areas: 104178131

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071525\
Data File : BP025153.D
Acq On : 15 Jul 2025 20:06
Operator : CG/JU
Sample : Q2546-01 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
HD-02-7-9-2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.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_P\Data\BP071525\
Data File : BP025153.D
Acq On : 15 Jul 2025 20:06
Operator : CG/JU
Sample : Q2546-01 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
HD-02-7-9-2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

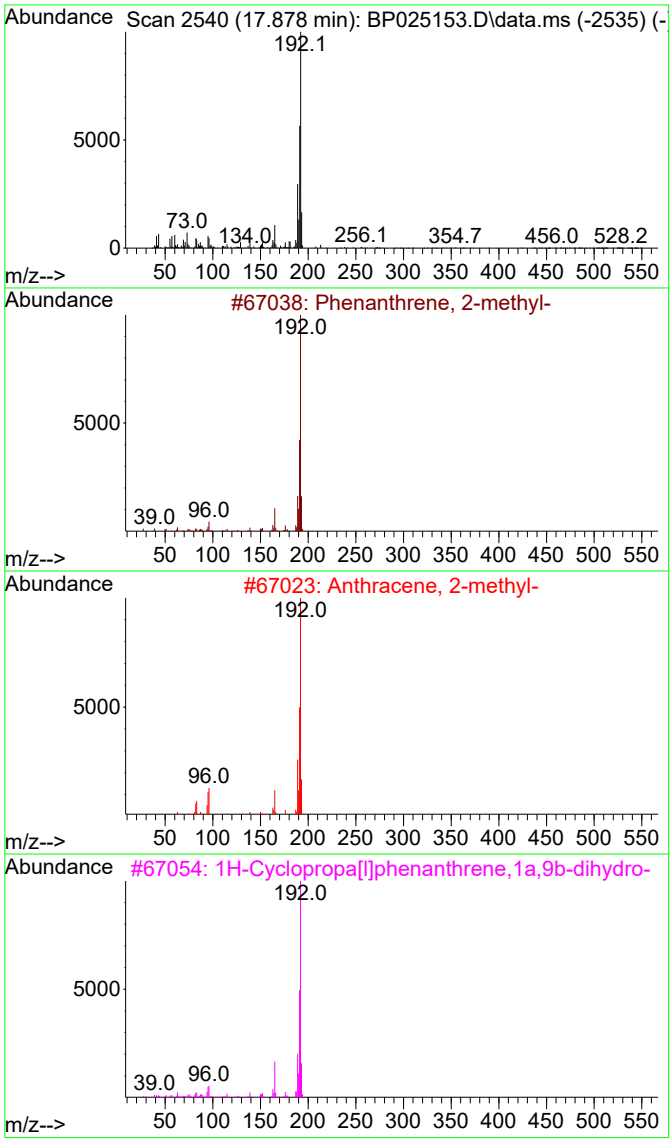
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

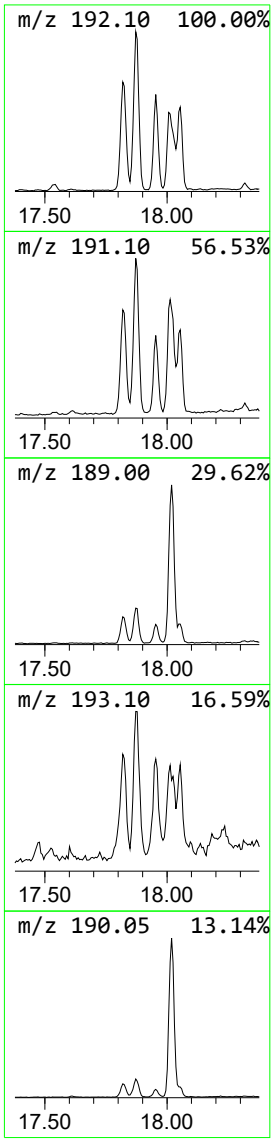
**********

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.878 | 2.77 ng | 1155210 | Phenanthrene-d10 | 16.919 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 97 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 94 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 94 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 5 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071525\
Data File : BP025153.D
Acq On : 15 Jul 2025 20:06
Operator : CG/JU
Sample : Q2546-01 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
HD-02-7-9-2025

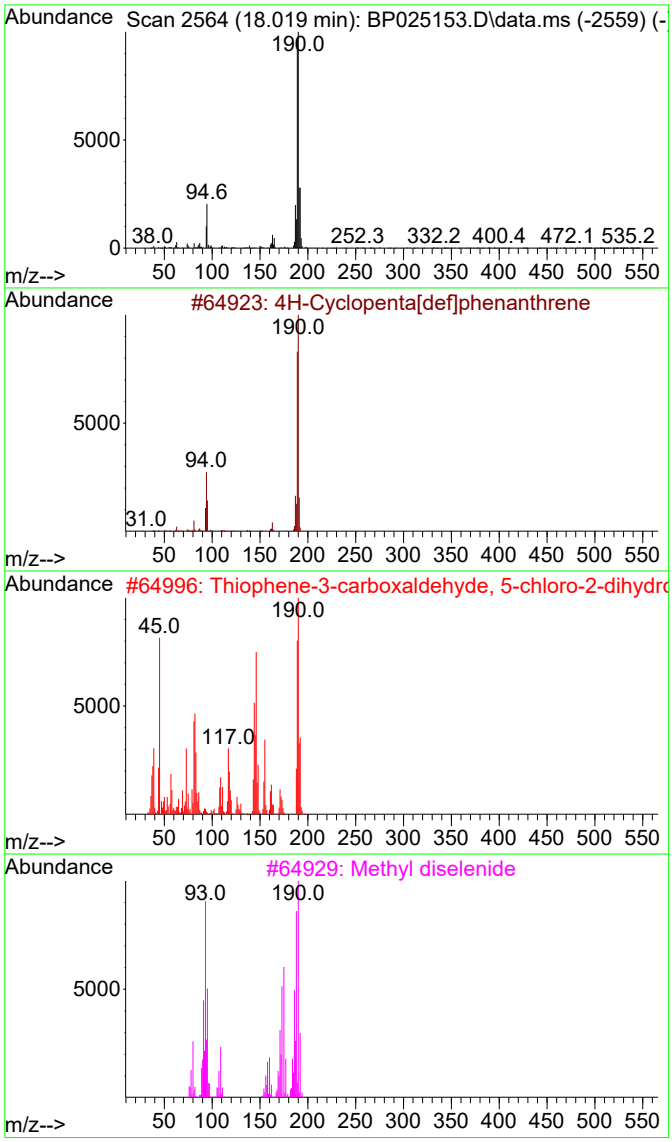
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

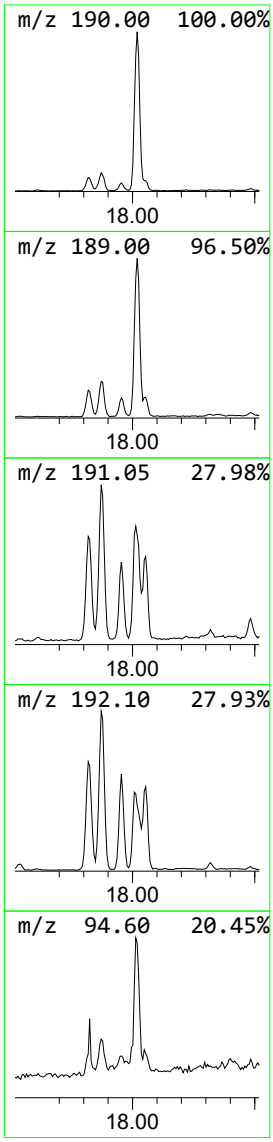
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.019 | 3.44 ng | 1432440 | Phenanthrene-d10 | 16.919 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 93 |
| 2 | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0 | 52 |
| 3 | Methyl diselenide | 190 | C2H6Se2 | 007101-31-7 | 49 |
| 4 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 45 |
| 5 | Megastigmatrienone | 190 | C13H18O | 038818-55-2 | 25 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071525\
Data File : BP025153.D
Acq On : 15 Jul 2025 20:06
Operator : CG/JU
Sample : Q2546-01 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
HD-02-7-9-2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.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 |
| Phenanthrene, 2... | 17.878 | 2.8 | ng | 1155210 | 4 | 16.919 | 8337410 | 20.0 |
| 4H-Cyclopenta[d... | 18.019 | 3.4 | ng | 1432440 | 4 | 16.919 | 8337410 | 20.0 |