LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081023\
Data File : BM041375.D
Acq On : 10 Aug 2023 22:45
Operator : MA/JU
Sample : 03952-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
OK-1-080923

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-BM072823.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM041375.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.346 | 360 | 367 | 380 | rBV | 309551 | 527555 | 26.33% | 2.777% |
| 2 | 6.957 | 635 | 641 | 659 | rBV | 198753 | 442746 | 22.10% | 2.331% |
| 3 | 7.769 | 773 | 779 | 788 | rBV | 223333 | 377613 | 18.85% | 1.988% |
| 4 | 8.957 | 974 | 981 | 992 | rBV | 121967 | 274934 | 13.72% | 1.447% |
| 5 | 10.575 | 1249 | 1256 | 1270 | rBV | 239915 | 461074 | 23.01% | 2.427% |
| 6 | 13.057 | 1672 | 1678 | 1693 | rBV | 383657 | 666019 | 33.24% | 3.506% |
| 7 | 13.757 | 1792 | 1797 | 1803 | rBV4 | 17001 | 33457 | 1.67% | 0.176% |
| 8 | 13.816 | 1803 | 1807 | 1814 | rVB5 | 10287 | 20676 | 1.03% | 0.109% |
| 9 | 13.910 | 1816 | 1823 | 1834 | rVV2 | 17156 | 39061 | 1.95% | 0.206% |
| 10 | 14.163 | 1858 | 1866 | 1877 | rBV | 38699 | 76160 | 3.80% | 0.401% |
| 11 | 14.439 | 1907 | 1913 | 1920 | rBV | 325691 | 524555 | 26.18% | 2.762% |
| 12 | 14.504 | 1920 | 1924 | 1934 | rVB | 43826 | 77416 | 3.86% | 0.408% |
| 13 | 14.845 | 1974 | 1982 | 1987 | rBV4 | 16498 | 35131 | 1.75% | 0.185% |
| 14 | 14.916 | 1990 | 1994 | 2004 | rVB3 | 12974 | 25348 | 1.27% | 0.133% |
| 15 | 15.057 | 2011 | 2018 | 2024 | rBV6 | 12603 | 24258 | 1.21% | 0.128% |
| 16 | 15.498 | 2087 | 2093 | 2105 | rVB | 34728 | 81798 | 4.08% | 0.431% |
| 17 | 15.621 | 2105 | 2114 | 2117 | rBV5 | 10845 | 29676 | 1.48% | 0.156% |
| 18 | 15.786 | 2138 | 2142 | 2148 | rVB | 13087 | 21242 | 1.06% | 0.112% |
| 19 | 15.945 | 2163 | 2169 | 2182 | rBV | 291976 | 524726 | 26.19% | 2.762% |
| 20 | 16.180 | 2204 | 2209 | 2219 | rVB4 | 24774 | 70435 | 3.52% | 0.371% |
| 21 | 16.504 | 2257 | 2264 | 2269 | rBV4 | 18605 | 45081 | 2.25% | 0.237% |
| 22 | 16.551 | 2269 | 2272 | 2278 | rVV4 | 15457 | 23384 | 1.17% | 0.123% |
| 23 | 16.651 | 2285 | 2289 | 2294 | rVB5 | 13575 | 22568 | 1.13% | 0.119% |
| 24 | 16.727 | 2299 | 2302 | 2307 | rVV6 | 12169 | 22163 | 1.11% | 0.117% |
| 25 | 16.774 | 2307 | 2310 | 2317 | rVV6 | 13065 | 22627 | 1.13% | 0.119% |
| 26 | 16.862 | 2321 | 2325 | 2332 | rVB4 | 13893 | 26879 | 1.34% | 0.142% |
| 27 | 16.939 | 2332 | 2338 | 2343 | rBV3 | 26207 | 42936 | 2.14% | 0.226% |
| 28 | 17.021 | 2349 | 2352 | 2358 | rVB | 27182 | 43096 | 2.15% | 0.227% |
| 29 | 17.198 | 2376 | 2382 | 2386 | rBV | 434586 | 651636 | 32.52% | 3.431% |
| 30 | 17.245 | 2386 | 2390 | 2401 | rVB | 423578 | 632748 | 31.58% | 3.331% |
| 31 | 17.339 | 2401 | 2406 | 2411 | rBV | 135504 | 207910 | 10.38% | 1.095% |
| 32 | 17.686 | 2461 | 2465 | 2468 | rBV2 | 26055 | 28775 | 1.44% | 0.151% |
| 33 | 17.721 | 2468 | 2471 | 2478 | rVV4 | 17462 | 26597 | 1.33% | 0.140% |
| 34 | 17.786 | 2478 | 2482 | 2490 | rVB2 | 21972 | 39562 | 1.97% | 0.208% |
| 35 | 17.927 | 2503 | 2506 | 2511 | rBV4 | 12230 | 21174 | 1.06% | 0.111% |
| 36 | 18.098 | 2527 | 2535 | 2538 | rBV2 | 160346 | 343017 | 17.12% | 1.806% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081023\
Data File : BM041375.D
Acq On : 10 Aug 2023 22:45
Operator : MA/JU
Sample : 03952-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
OK-1-080923

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-BM072823.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 18.127 | 2538 | 2540 | 2547 | rVV | 148372 | 224010 | 11.18% | 1.179% |
| 38 | 18.215 | 2551 | 2555 | 2560 | rVV | 56632 | 100759 | 5.03% | 0.530% |
| 39 | 18.274 | 2560 | 2565 | 2569 | rVV3 | 162597 | 301005 | 15.02% | 1.585% |
| 40 | 18.315 | 2569 | 2572 | 2579 | rVB | 79182 | 116297 | 5.80% | 0.612% |
| 41 | 18.386 | 2581 | 2584 | 2591 | rVV4 | 25692 | 38282 | 1.91% | 0.202% |
| 42 | 18.480 | 2597 | 2600 | 2606 | rBV2 | 17643 | 30359 | 1.52% | 0.160% |
| 43 | 18.586 | 2614 | 2618 | 2622 | rBV | 49788 | 70861 | 3.54% | 0.373% |
| 44 | 18.645 | 2624 | 2628 | 2634 | rVB3 | 36088 | 61242 | 3.06% | 0.322% |
| 45 | 18.827 | 2657 | 2659 | 2665 | rVB3 | 18853 | 22259 | 1.11% | 0.117% |
| 46 | 18.880 | 2665 | 2668 | 2672 | rBV | 32199 | 37830 | 1.89% | 0.199% |
| 47 | 19.003 | 2684 | 2689 | 2694 | rBV2 | 101135 | 222085 | 11.08% | 1.169% |
| 48 | 19.062 | 2695 | 2699 | 2703 | rVB4 | 35477 | 77602 | 3.87% | 0.409% |
| 49 | 19.156 | 2709 | 2715 | 2726 | rBV5 | 69622 | 173135 | 8.64% | 0.911% |
| 50 | 19.268 | 2729 | 2734 | 2741 | rBV | 1224043 | 1590067 | 79.36% | 8.371% |
| 51 | 19.386 | 2750 | 2754 | 2758 | rBV5 | 68187 | 97795 | 4.88% | 0.515% |
| 52 | 19.509 | 2773 | 2775 | 2778 | rBV2 | 31309 | 32371 | 1.62% | 0.170% |
| 53 | 19.603 | 2786 | 2791 | 2792 | rBV | 205870 | 249673 | 12.46% | 1.314% |
| 54 | 19.633 | 2792 | 2796 | 2805 | rVV | 1139556 | 1525089 | 76.12% | 8.029% |
| 55 | 19.709 | 2805 | 2809 | 2814 | rVB2 | 76527 | 116547 | 5.82% | 0.614% |
| 56 | 19.839 | 2825 | 2831 | 2836 | rBV | 850119 | 1057533 | 52.78% | 5.567% |
| 57 | 19.962 | 2847 | 2852 | 2860 | rBV2 | 95333 | 240713 | 12.01% | 1.267% |
| 58 | 20.133 | 2878 | 2881 | 2886 | rVB3 | 172434 | 236551 | 11.81% | 1.245% |
| 59 | 20.233 | 2895 | 2898 | 2902 | rVB | 88989 | 100545 | 5.02% | 0.529% |
| 60 | 20.286 | 2904 | 2907 | 2912 | rVB2 | 114931 | 179567 | 8.96% | 0.945% |
| 61 | 20.433 | 2929 | 2932 | 2935 | rBV2 | 84074 | 96816 | 4.83% | 0.510% |
| 62 | 20.480 | 2936 | 2940 | 2943 | rBV | 89047 | 115571 | 5.77% | 0.608% |
| 63 | 21.050 | 3034 | 3037 | 3040 | rBV | 112391 | 135536 | 6.76% | 0.714% |
| 64 | 21.397 | 3090 | 3096 | 3101 | rBV2 | 897340 | 2003532 | 100.00% | 10.548% |
| 65 | 21.439 | 3101 | 3103 | 3114 | rVB | 564950 | 762798 | 38.07% | 4.016% |
| 66 | 23.050 | 3373 | 3377 | 3383 | rBV | 430709 | 996348 | 49.73% | 5.245% |
| 67 | 23.662 | 3478 | 3481 | 3488 | rVB | 472723 | 795083 | 39.68% | 4.186% |
| 68 | 23.768 | 3495 | 3499 | 3504 | rVB | 405435 | 652930 | 32.59% | 3.437% |

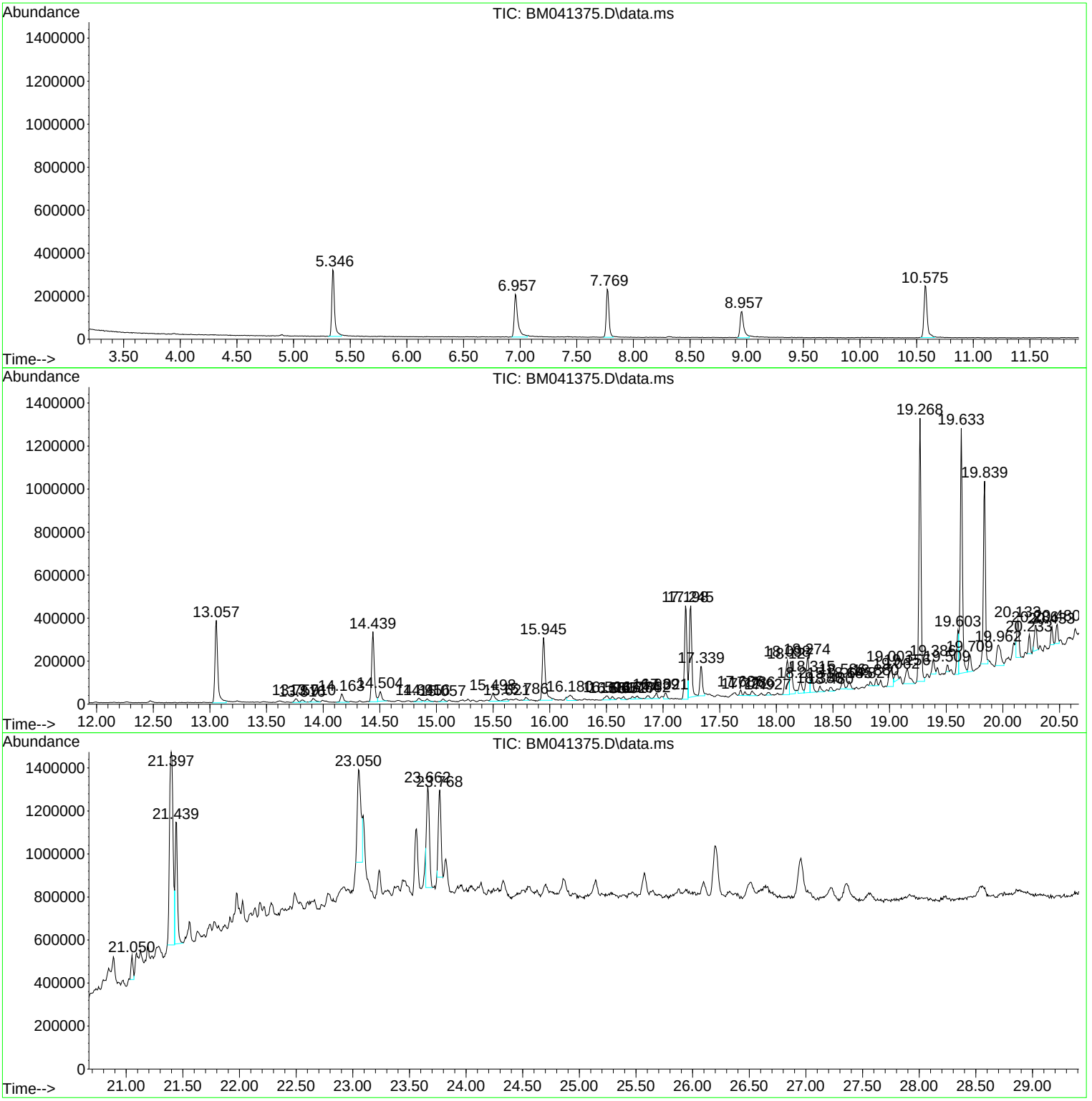
Sum of corrected areas: 18994824

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081023\
Data File : BM041375.D
Acq On : 10 Aug 2023 22:45
Operator : MA/JU
Sample : 03952-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
OK-1-080923

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.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\BM081023\
Data File : BM041375.D
Acq On : 10 Aug 2023 22:45
Operator : MA/JU
Sample : 03952-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
OK-1-080923

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

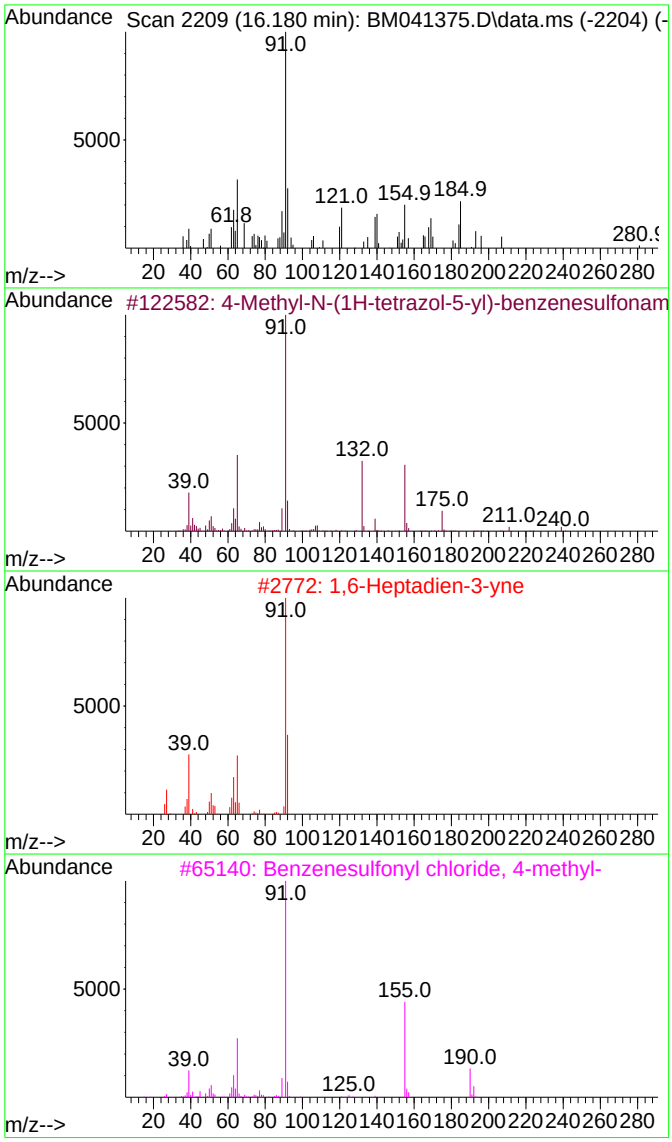
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

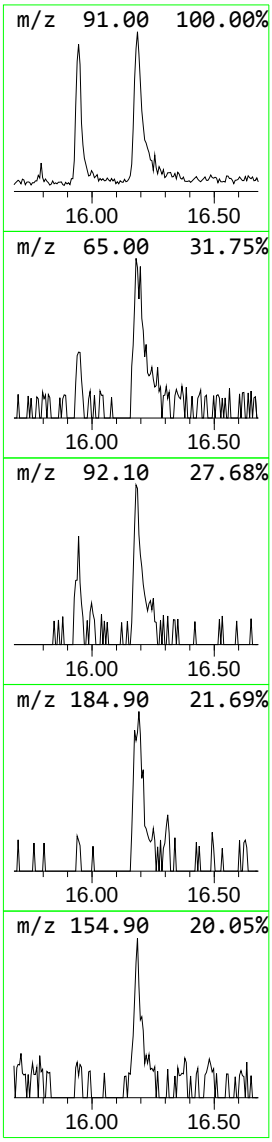
**********

Peak Number 1 4-Methyl-N-(1H-tetrazol-5-y... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.180 | 2.16 ng | 70435 | Phenanthrene-d10 | 17.198 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Methyl-N-(1H-tetrazol-5-yl)-be... | 239 | C8H9N5O2S | 006455-80-7 | 32 |
| 2 | 1,6-Heptadien-3-yne | 92 | C7H8 | 005150-80-1 | 27 |
| 3 | Benzenesulfonyl chloride, 4-methyl- | 190 | C7H7ClO2S | 000098-59-9 | 27 |
| 4 | Sulfone, p-tolyl tribromomethyl- | 404 | C8H7Br3O2S | 031350-40-0 | 25 |
| 5 | Benzenesulfonic acid, 2,4-dinitro- | 248 | C6H4N2O7S | 000089-02-1 | 25 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081023\
Data File : BM041375.D
Acq On : 10 Aug 2023 22:45
Operator : MA/JU
Sample : 03952-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
OK-1-080923

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

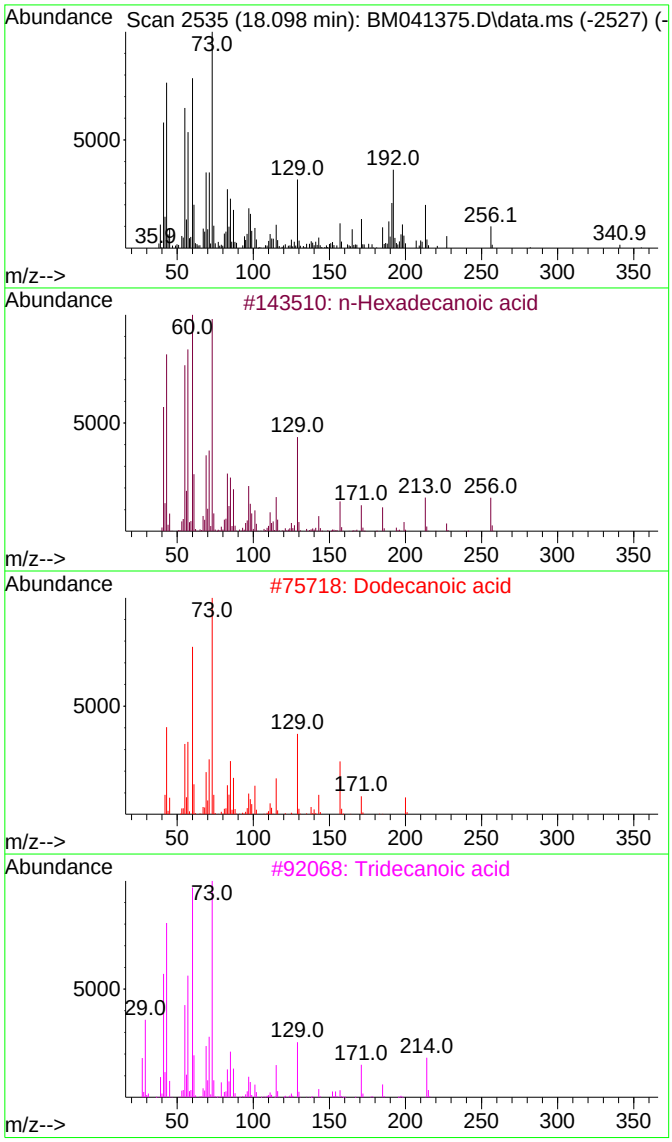
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

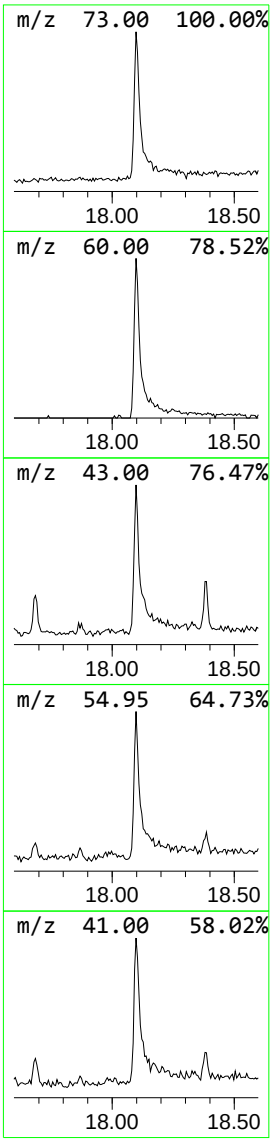
**********

Peak Number 2 n-Hexadecanoic acid Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.098 | 10.53 ng | 343017 | Phenanthrene-d10 | 17.198 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 91 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 83 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 64 |
| 5 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 60 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081023\
Data File : BM041375.D
Acq On : 10 Aug 2023 22:45
Operator : MA/JU
Sample : 03952-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
OK-1-080923

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

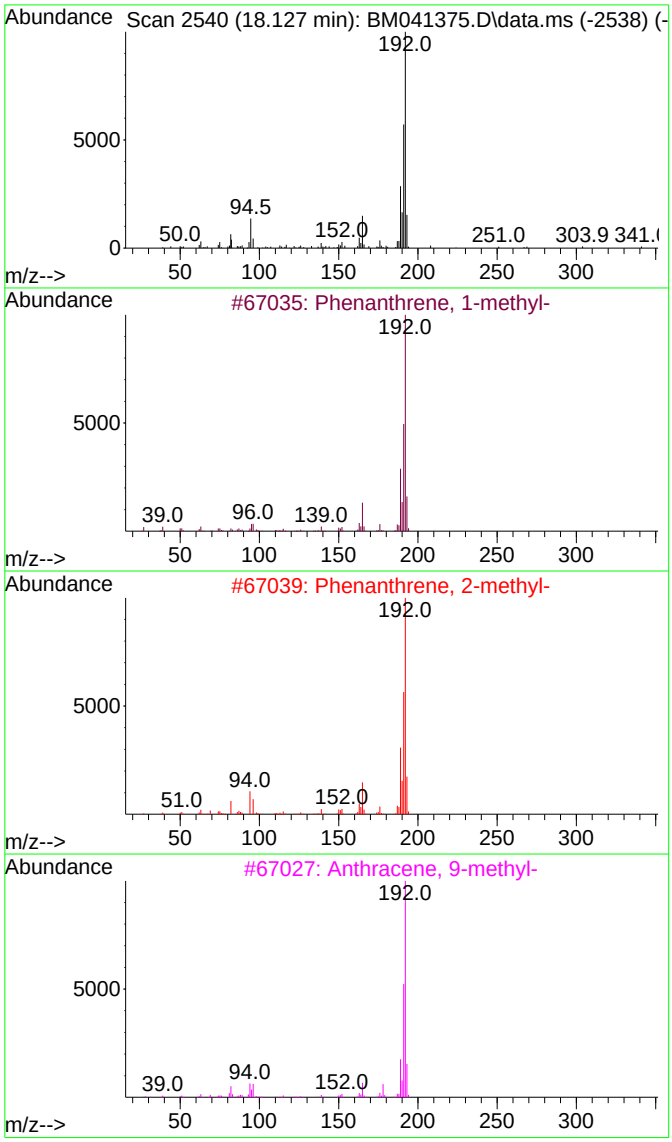
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

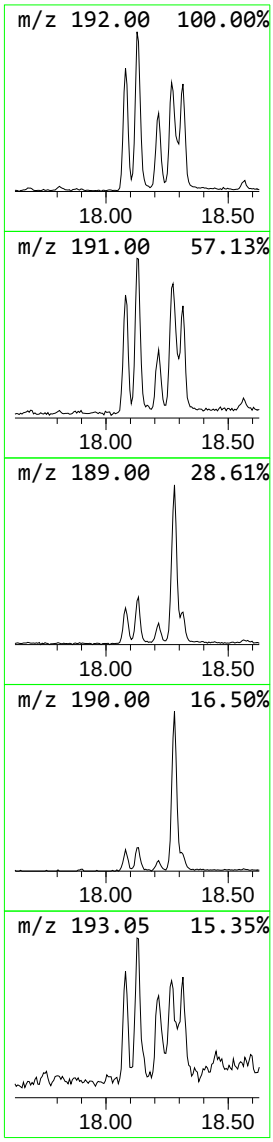
**********

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.127 | 6.88 ng | 224010 | Phenanthrene-d10 | 17.198 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 91 |
| 3 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 87 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 87 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 86 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081023\
Data File : BM041375.D
Acq On : 10 Aug 2023 22:45
Operator : MA/JU
Sample : 03952-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
OK-1-080923

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

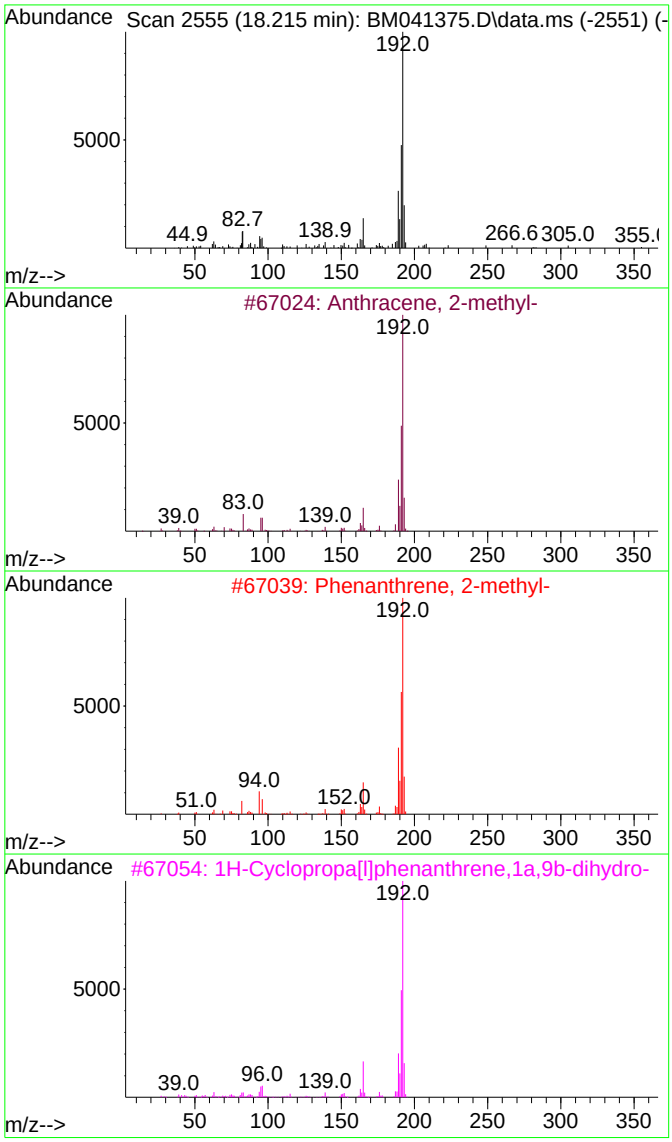
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

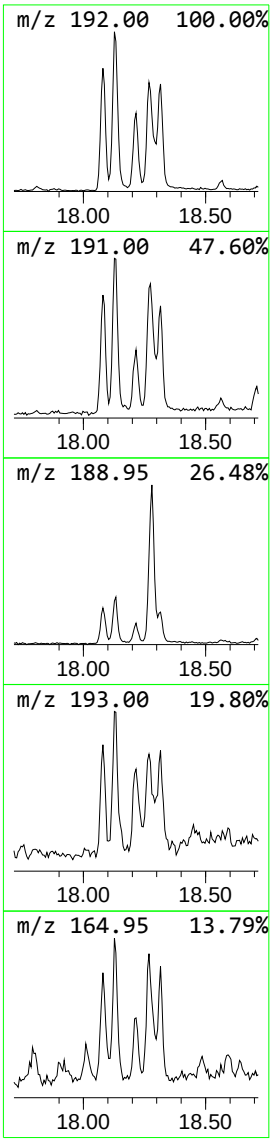
**********

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.215 | 3.09 ng | 100759 | Phenanthrene-d10 | 17.198 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 94 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 93 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 93 |
| 4 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 91 |
| 5 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081023\
Data File : BM041375.D
Acq On : 10 Aug 2023 22:45
Operator : MA/JU
Sample : 03952-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
OK-1-080923

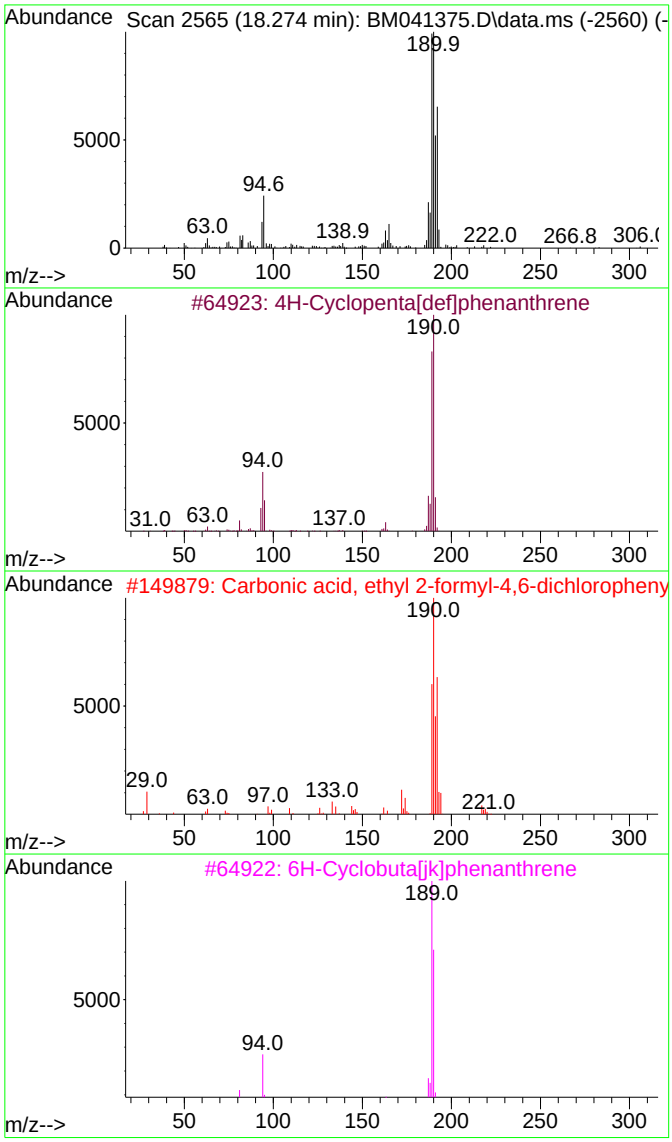
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

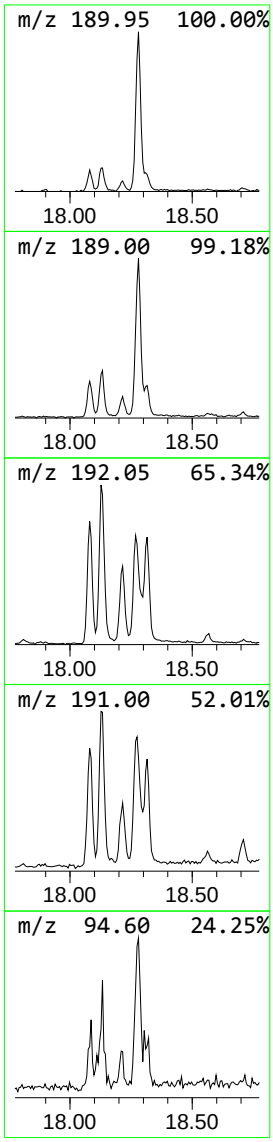
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.274 | 9.24 ng | 301005 | Phenanthrene-d10 | 17.198 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 70 |
| 2 | Carbonic acid, ethyl 2-formyl-4,... | 262 | C10H8Cl2O4 | 1000331-34-4 | 40 |
| 3 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 40 |
| 4 | 2-Amino-4,6-dichloropyrimidine-5... | 191 | C5H3Cl2N3O | 005604-46-6 | 32 |
| 5 | 3-Bromo-2-furoic acid | 190 | C5H3BrO3 | 014903-90-3 | 27 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081023\
Data File : BM041375.D
Acq On : 10 Aug 2023 22:45
Operator : MA/JU
Sample : 03952-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
OK-1-080923

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

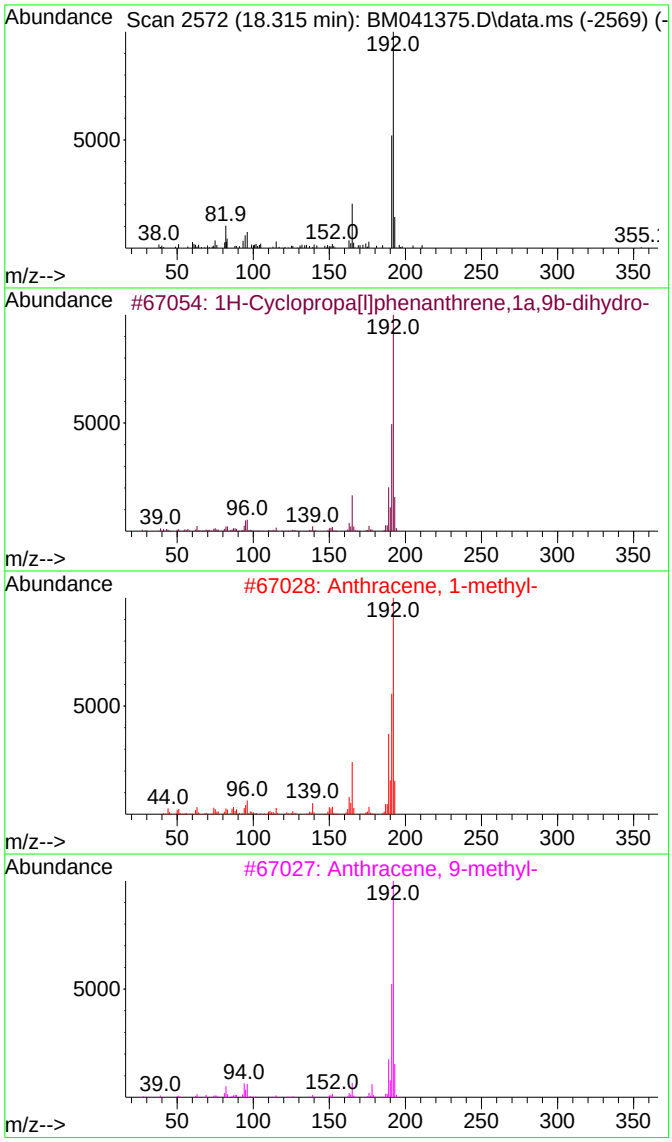
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

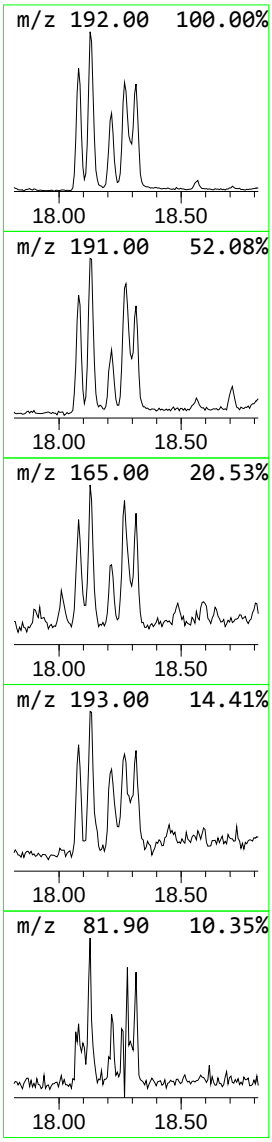
**********

Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.315 | 3.57 ng | 116297 | Phenanthrene-d10 | 17.198 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 91 |
| 2 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 87 |
| 3 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 87 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 87 |
| 5 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 86 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081023\
Data File : BM041375.D
Acq On : 10 Aug 2023 22:45
Operator : MA/JU
Sample : 03952-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
OK-1-080923

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

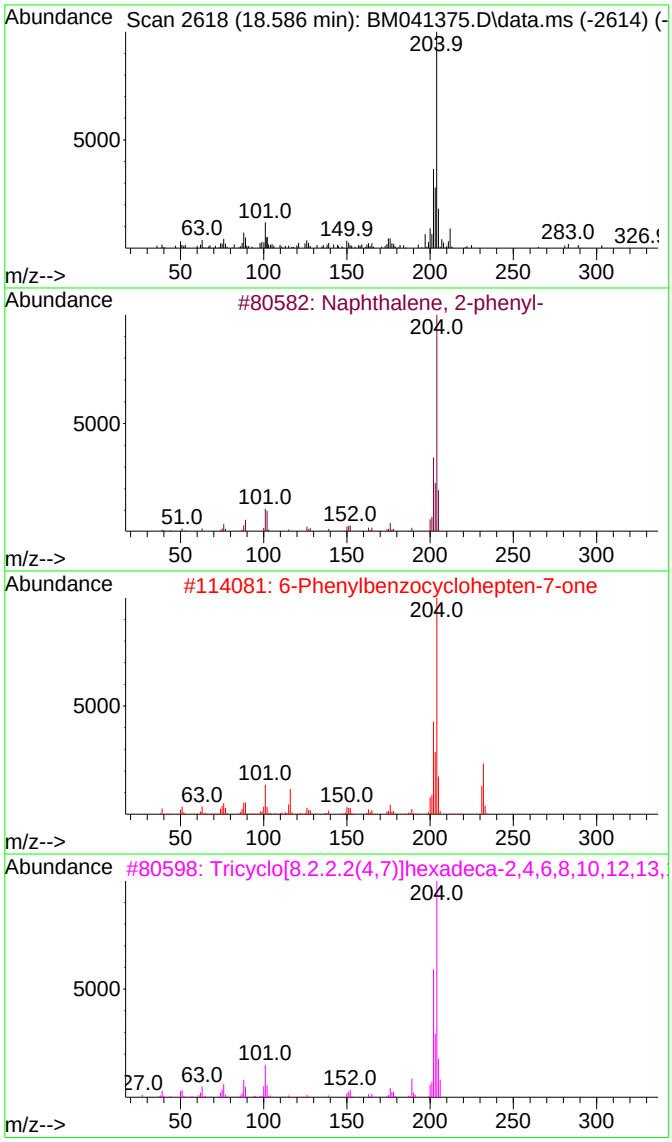
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

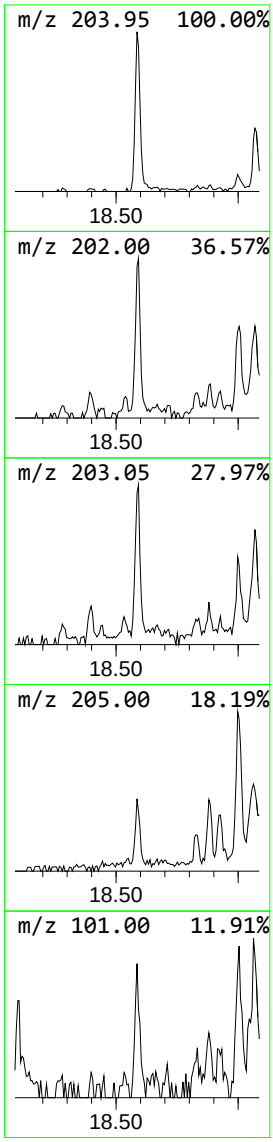
**********

Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.586 | 2.17 ng | 70861 | Phenanthrene-d10 | 17.198 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 96 |
| 2 | 6-Phenylbenzocyclohepten-7-one | 232 | C17H12O | 093327-56-1 | 80 |
| 3 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 76 |
| 4 | Benzene, 1,1'-(1-buten-3-yne-1,4... | 204 | C16H12 | 013141-45-2 | 64 |
| 5 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 58 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081023\
Data File : BM041375.D
Acq On : 10 Aug 2023 22:45
Operator : MA/JU
Sample : 03952-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
OK-1-080923

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

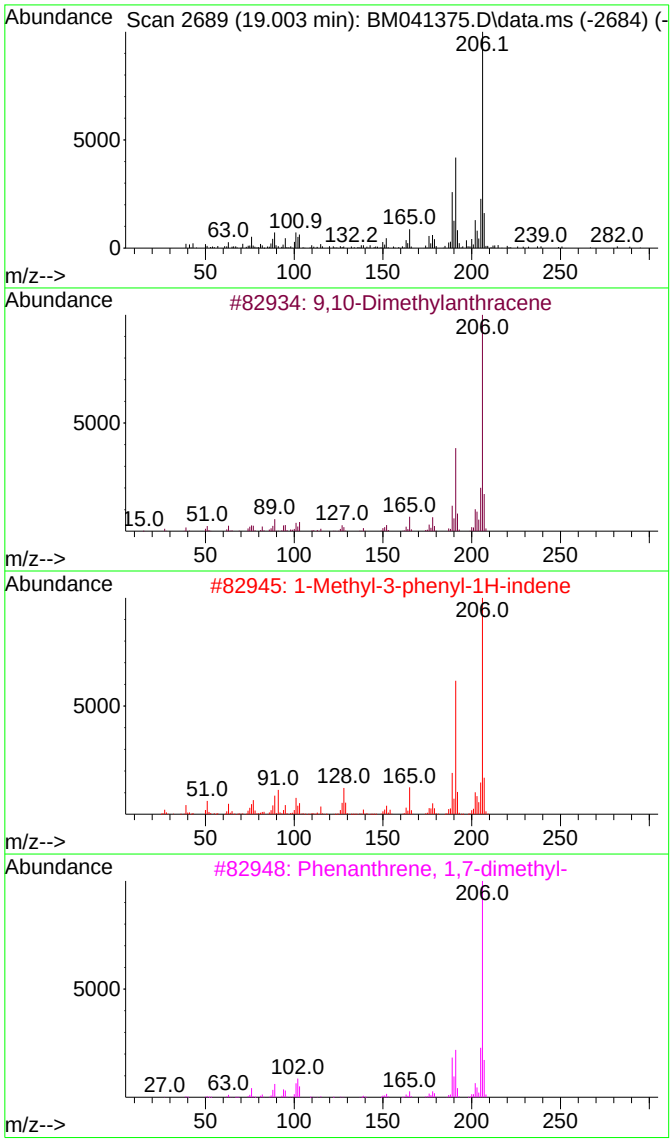
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

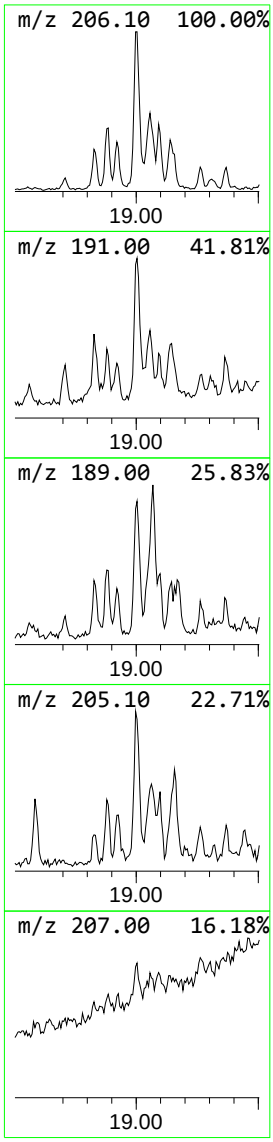
**********

Peak Number 8 9,10-Dimethylanthracene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.003 | 6.82 ng | 222085 | Phenanthrene-d10 | 17.198 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 95 |
| 2 | 1-Methyl-3-phenyl-1H-indene | 206 | C16H14 | 022360-62-9 | 94 |
| 3 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 93 |
| 4 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 93 |
| 5 | 3,4-Dimethylphenanthrene | 206 | C16H14 | 1000452-24-5 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081023\
Data File : BM041375.D
Acq On : 10 Aug 2023 22:45
Operator : MA/JU
Sample : 03952-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
OK-1-080923

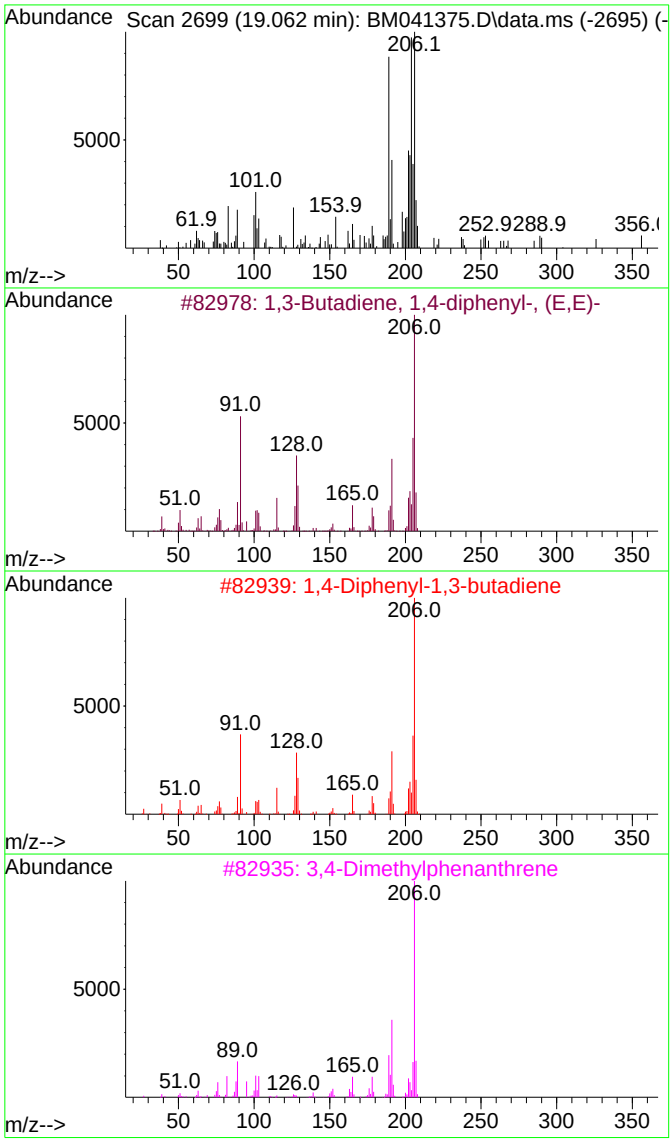
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

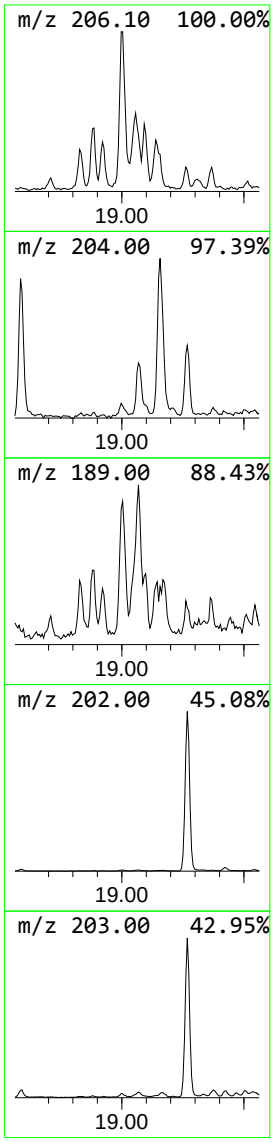
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 1,3-Butadiene, 1,4-diphenyl... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.062 | 2.38 ng | 77602 | Phenanthrene-d10 | 17.198 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3-Butadiene, 1,4-diphenyl-, (E... | 206 | C16H14 | 000538-81-8 | 46 |
| 2 | 1,4-Diphenyl-1,3-butadiene | 206 | C16H14 | 000886-65-7 | 46 |
| 3 | 3,4-Dimethylphenanthrene | 206 | C16H14 | 1000452-24-5 | 42 |
| 4 | Naphthalene, 1,2-dihydro-1-phenyl- | 206 | C16H14 | 016606-46-5 | 42 |
| 5 | Pyrene, 4,5,9,10-tetrahydro- | 206 | C16H14 | 000781-17-9 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081023\
Data File : BM041375.D
Acq On : 10 Aug 2023 22:45
Operator : MA/JU
Sample : 03952-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
OK-1-080923

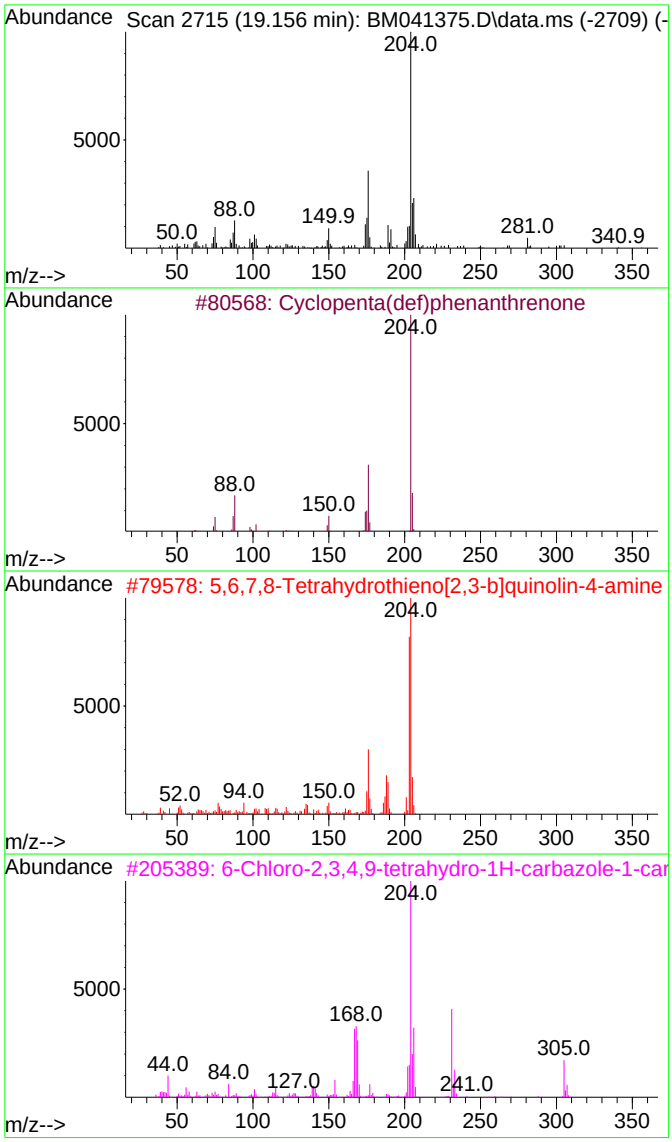
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

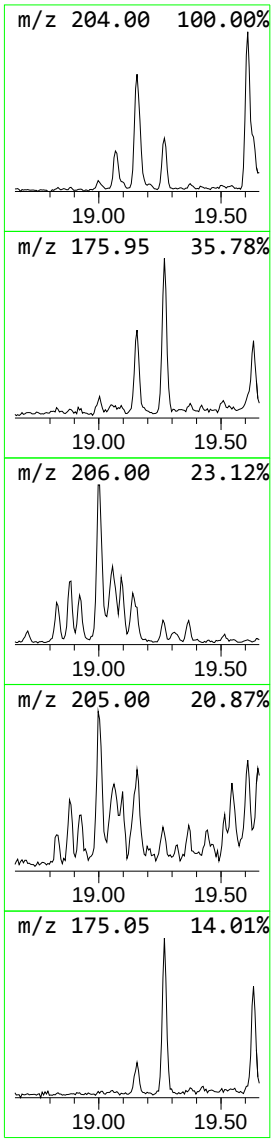
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.156 | 5.31 ng | 173135 | Phenanthrene-d10 | 17.198 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 93 |
| 2 | 5,6,7,8-Tetrahydrothieno[2,3-b]q... | 204 | C11H12N2S | 122914-50-5 | 53 |
| 3 | 6-Chloro-2,3,4,9-tetrahydro-1H-c... | 305 | C15H16ClN3O2 | 1000295-25-7 | 50 |
| 4 | 1,2,4,8-Tetramethylbicyclo[6.3.0... | 204 | C15H24 | 137235-51-9 | 49 |
| 5 | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2 | 001591-30-6 | 47 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081023\
Data File : BM041375.D
Acq On : 10 Aug 2023 22:45
Operator : MA/JU
Sample : 03952-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
OK-1-080923

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

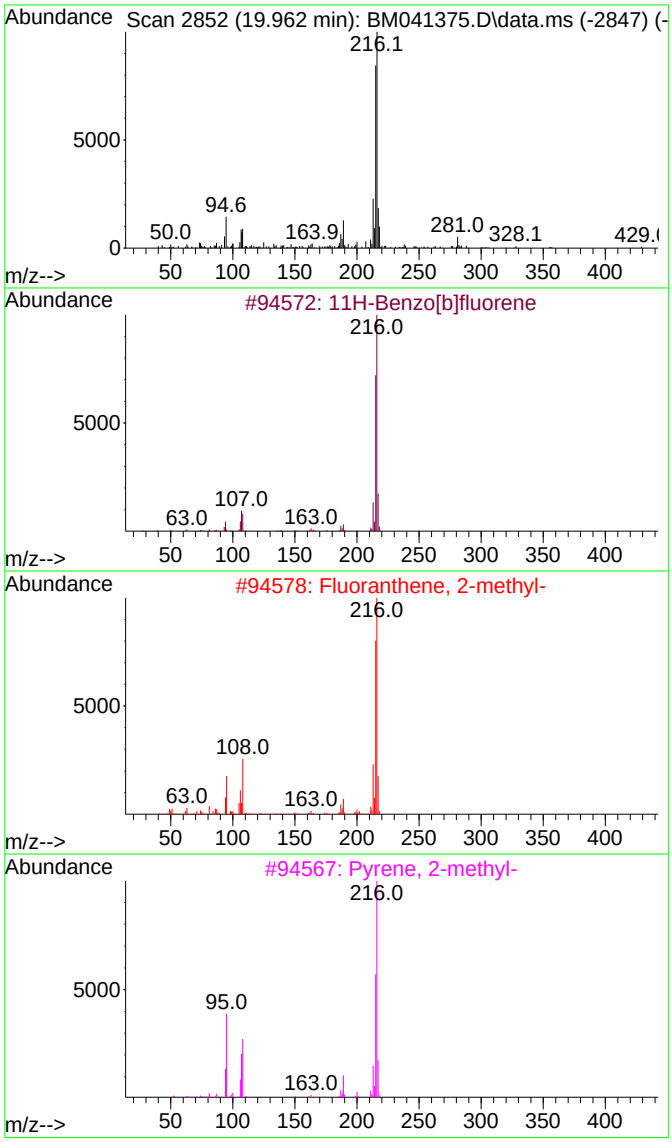
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

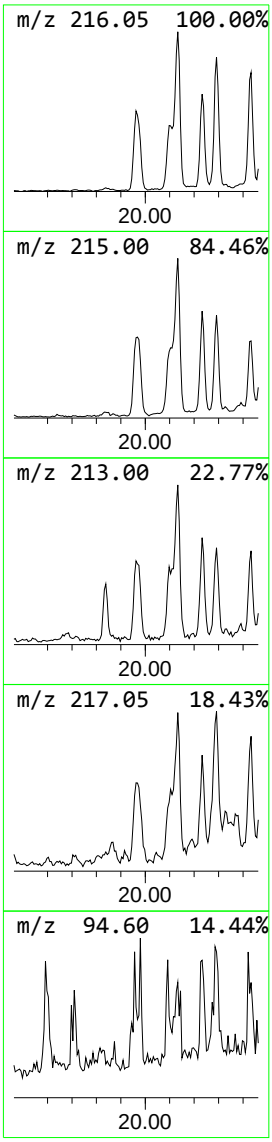
**********

Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.962 | 2.40 ng | 240713 | Chrysene-d12 | 21.403 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 94 |
| 2 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 91 |
| 3 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 91 |
| 4 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 90 |
| 5 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 81 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081023\
Data File : BM041375.D
Acq On : 10 Aug 2023 22:45
Operator : MA/JU
Sample : 03952-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
OK-1-080923

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.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 |
| 4-Methyl-N-(1H-... | 16.180 | 2.2 | ng | 70435 | 4 | 17.198 | 651636 | 20.0 |
| n-Hexadecanoic ... | 18.098 | 10.5 | ng | 343017 | 4 | 17.198 | 651636 | 20.0 |
| Phenanthrene, 1... | 18.127 | 6.9 | ng | 224010 | 4 | 17.198 | 651636 | 20.0 |
| Anthracene, 2-m... | 18.215 | 3.1 | ng | 100759 | 4 | 17.198 | 651636 | 20.0 |
| 4H-Cyclopenta[d... | 18.274 | 9.2 | ng | 301005 | 4 | 17.198 | 651636 | 20.0 |
| 1H-Cyclopropa[l... | 18.315 | 3.6 | ng | 116297 | 4 | 17.198 | 651636 | 20.0 |
| Naphthalene, 2-... | 18.586 | 2.2 | ng | 70861 | 4 | 17.198 | 651636 | 20.0 |
| 9,10-Dimethylan... | 19.003 | 6.8 | ng | 222085 | 4 | 17.198 | 651636 | 20.0 |
| 1,3-Butadiene, ... | 19.062 | 2.4 | ng | 77602 | 4 | 17.198 | 651636 | 20.0 |
| Cyclopenta(def)... | 19.156 | 5.3 | ng | 173135 | 4 | 17.198 | 651636 | 20.0 |
| 11H-Benzo[b]flu... | 19.962 | 2.4 | ng | 240713 | 5 | 21.403 | 2003530 | 20.0 |