LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110423\
Data File : BM042588.D
Acq On : 04 Nov 2023 13:06
Operator : MA/JU
Sample : 05237-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
11TH-ST-1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM042588.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.546 | 226 | 231 | 234 | rBV2 | 16113 | 21822 | 1.07% | 0.115% |
| 2 | 4.999 | 304 | 308 | 313 | rVB | 14947 | 21220 | 1.04% | 0.112% |
| 3 | 5.446 | 378 | 384 | 396 | rBV | 747568 | 1083771 | 52.97% | 5.729% |
| 4 | 7.081 | 655 | 662 | 678 | rBV | 677847 | 1094419 | 53.50% | 5.786% |
| 5 | 7.910 | 797 | 803 | 812 | rBV | 197928 | 310712 | 15.19% | 1.643% |
| 6 | 9.110 | 998 | 1007 | 1019 | rBV | 429516 | 715214 | 34.96% | 3.781% |
| 7 | 10.734 | 1276 | 1283 | 1288 | rBV | 221435 | 371156 | 18.14% | 1.962% |
| 8 | 10.781 | 1288 | 1291 | 1300 | rVB | 26809 | 44111 | 2.16% | 0.233% |
| 9 | 12.392 | 1559 | 1565 | 1572 | rBV | 14545 | 24865 | 1.22% | 0.131% |
| 10 | 13.186 | 1694 | 1700 | 1710 | rVB | 821987 | 1196288 | 58.47% | 6.324% |
| 11 | 13.404 | 1733 | 1737 | 1743 | rVB3 | 16386 | 25156 | 1.23% | 0.133% |
| 12 | 14.563 | 1929 | 1934 | 1940 | rVV | 317447 | 456650 | 22.32% | 2.414% |
| 13 | 14.628 | 1940 | 1945 | 1952 | rVB2 | 53503 | 78085 | 3.82% | 0.413% |
| 14 | 14.963 | 1991 | 2002 | 2008 | rBV2 | 36977 | 93479 | 4.57% | 0.494% |
| 15 | 15.616 | 2107 | 2113 | 2121 | rVB | 53793 | 84296 | 4.12% | 0.446% |
| 16 | 15.898 | 2157 | 2161 | 2168 | rVB3 | 17740 | 27237 | 1.33% | 0.144% |
| 17 | 16.057 | 2182 | 2188 | 2198 | rBV | 865189 | 1201103 | 58.71% | 6.350% |
| 18 | 16.604 | 2275 | 2281 | 2286 | rVB5 | 13096 | 26669 | 1.30% | 0.141% |
| 19 | 16.669 | 2286 | 2292 | 2297 | rBV6 | 15129 | 27709 | 1.35% | 0.146% |
| 20 | 16.980 | 2338 | 2345 | 2350 | rBV | 19077 | 35305 | 1.73% | 0.187% |
| 21 | 17.139 | 2367 | 2372 | 2378 | rBV | 24821 | 39708 | 1.94% | 0.210% |
| 22 | 17.316 | 2397 | 2402 | 2406 | rBV | 390620 | 558953 | 27.32% | 2.955% |
| 23 | 17.363 | 2406 | 2410 | 2417 | rVB | 499243 | 689376 | 33.70% | 3.644% |
| 24 | 17.451 | 2417 | 2425 | 2431 | rBV | 118071 | 179490 | 8.77% | 0.949% |
| 25 | 17.739 | 2470 | 2474 | 2482 | rVB | 56666 | 88110 | 4.31% | 0.466% |
| 26 | 18.168 | 2541 | 2547 | 2555 | rBV2 | 883962 | 1286403 | 62.88% | 6.801% |
| 27 | 18.239 | 2555 | 2559 | 2569 | rVV | 96161 | 199663 | 9.76% | 1.056% |
| 28 | 18.316 | 2569 | 2572 | 2578 | rVV | 36326 | 60030 | 2.93% | 0.317% |
| 29 | 18.386 | 2578 | 2584 | 2588 | rVV3 | 80437 | 153289 | 7.49% | 0.810% |
| 30 | 18.421 | 2588 | 2590 | 2599 | rVB | 36046 | 44772 | 2.19% | 0.237% |
| 31 | 18.692 | 2631 | 2636 | 2640 | rVB | 38517 | 53428 | 2.61% | 0.282% |
| 32 | 18.751 | 2642 | 2646 | 2651 | rVB4 | 20969 | 31488 | 1.54% | 0.166% |
| 33 | 19.015 | 2688 | 2691 | 2698 | rBV5 | 18057 | 30263 | 1.48% | 0.160% |
| 34 | 19.092 | 2700 | 2704 | 2709 | rBV2 | 31163 | 50250 | 2.46% | 0.266% |
| 35 | 19.262 | 2730 | 2733 | 2737 | rVB2 | 16600 | 21991 | 1.07% | 0.116% |
| 36 | 19.304 | 2737 | 2740 | 2741 | rBV2 | 25240 | 26537 | 1.30% | 0.140% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110423\
Data File : BM042588.D
Acq On : 04 Nov 2023 13:06
Operator : MA/JU
Sample : 05237-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
11TH-ST-1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 19.374 | 2747 | 2752 | 2757 | rVB | 696605 | 887103 | 43.36% | 4.690% |
| 38 | 19.445 | 2759 | 2764 | 2776 | rBV | 383447 | 580492 | 28.37% | 3.069% |
| 39 | 19.704 | 2802 | 2808 | 2810 | rBV3 | 111348 | 180003 | 8.80% | 0.952% |
| 40 | 19.739 | 2810 | 2814 | 2821 | rVV | 556041 | 731722 | 35.77% | 3.868% |
| 41 | 19.804 | 2821 | 2825 | 2830 | rVB2 | 29972 | 46152 | 2.26% | 0.244% |
| 42 | 19.933 | 2840 | 2847 | 2854 | rBV | 1637293 | 2045831 | 100.00% | 10.815% |
| 43 | 20.045 | 2863 | 2866 | 2868 | rBV2 | 32606 | 43470 | 2.12% | 0.230% |
| 44 | 20.227 | 2894 | 2897 | 2902 | rVB | 87944 | 118293 | 5.78% | 0.625% |
| 45 | 20.327 | 2911 | 2914 | 2917 | rBV2 | 58401 | 64809 | 3.17% | 0.343% |
| 46 | 20.527 | 2945 | 2948 | 2951 | rBV | 34248 | 40896 | 2.00% | 0.216% |
| 47 | 20.980 | 3022 | 3025 | 3029 | rBV | 42057 | 57150 | 2.79% | 0.302% |
| 48 | 21.157 | 3049 | 3055 | 3063 | rBV4 | 197820 | 447929 | 21.89% | 2.368% |
| 49 | 21.362 | 3087 | 3090 | 3092 | rBV | 49867 | 57775 | 2.82% | 0.305% |
| 50 | 21.498 | 3106 | 3113 | 3117 | rBV2 | 690628 | 1283352 | 62.73% | 6.784% |
| 51 | 21.533 | 3117 | 3119 | 3125 | rVB | 305049 | 354486 | 17.33% | 1.874% |
| 52 | 23.168 | 3393 | 3397 | 3403 | rBV | 190544 | 422555 | 20.65% | 2.234% |
| 53 | 23.803 | 3501 | 3505 | 3513 | rVB | 182143 | 341259 | 16.68% | 1.804% |
| 54 | 23.915 | 3518 | 3524 | 3530 | rBV | 381706 | 759940 | 37.15% | 4.017% |

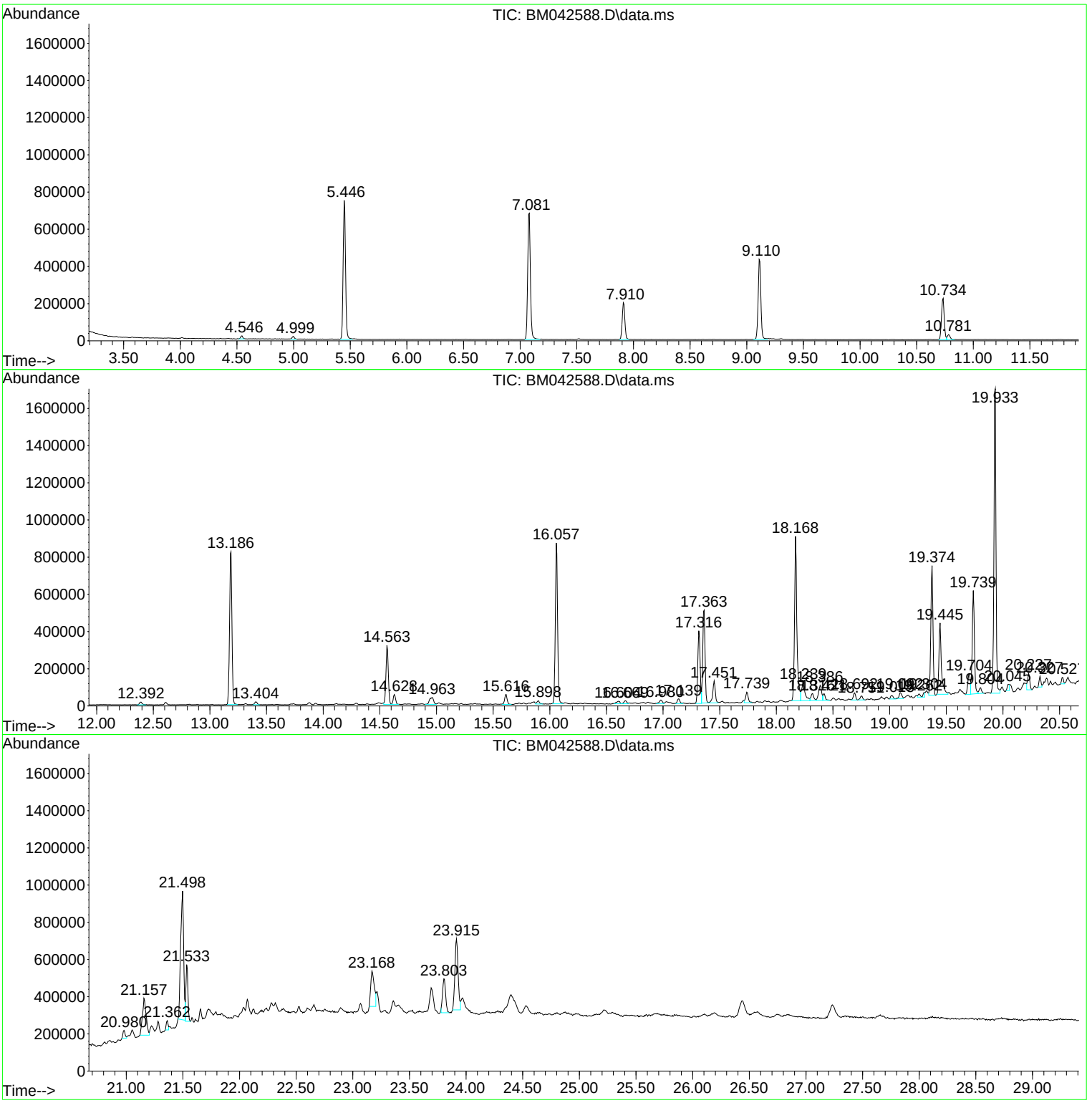
Sum of corrected areas: 18916235

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110423\
Data File : BM042588.D
Acq On : 04 Nov 2023 13:06
Operator : MA/JU
Sample : 05237-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
11TH-ST-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.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\BM110423\
Data File : BM042588.D
Acq On : 04 Nov 2023 13:06
Operator : MA/JU
Sample : 05237-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
11TH-ST-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

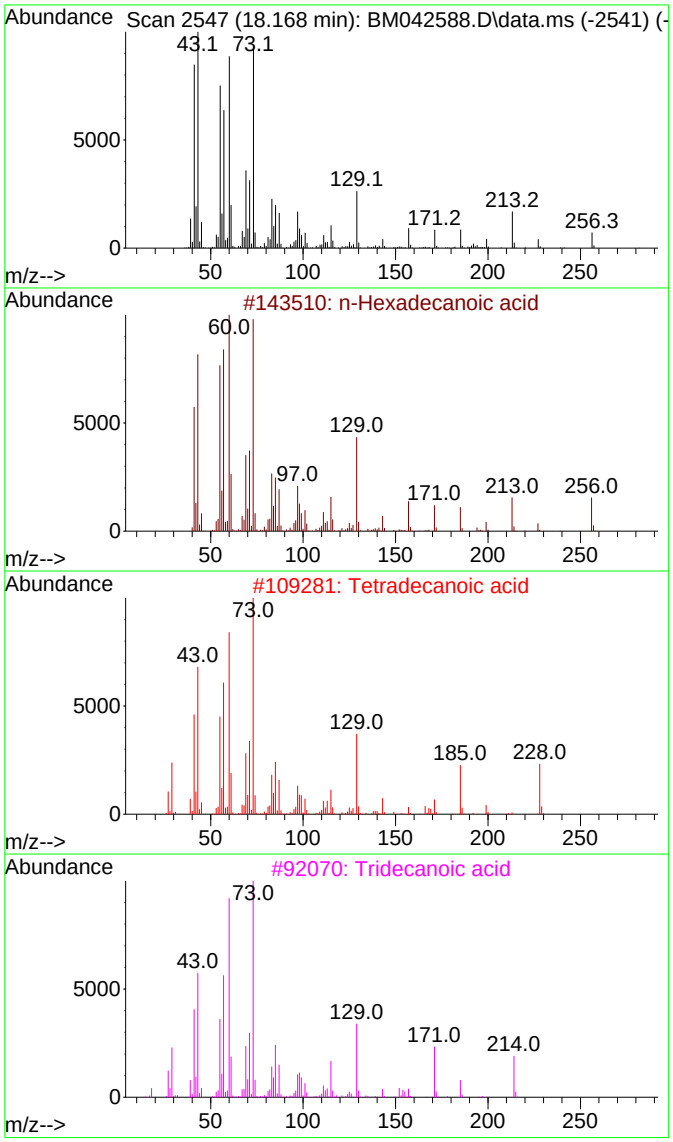
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

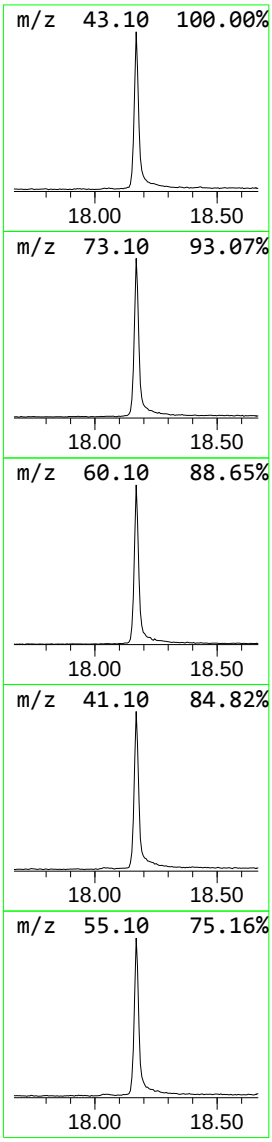
**********

Peak Number 2 n-Hexadecanoic acid Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.169 | 46.03 ng | 1286400 | Phenanthrene-d10 | 17.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 95 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 94 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 90 |
| 5 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 78 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110423\
Data File : BM042588.D
Acq On : 04 Nov 2023 13:06
Operator : MA/JU
Sample : 05237-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
11TH-ST-1

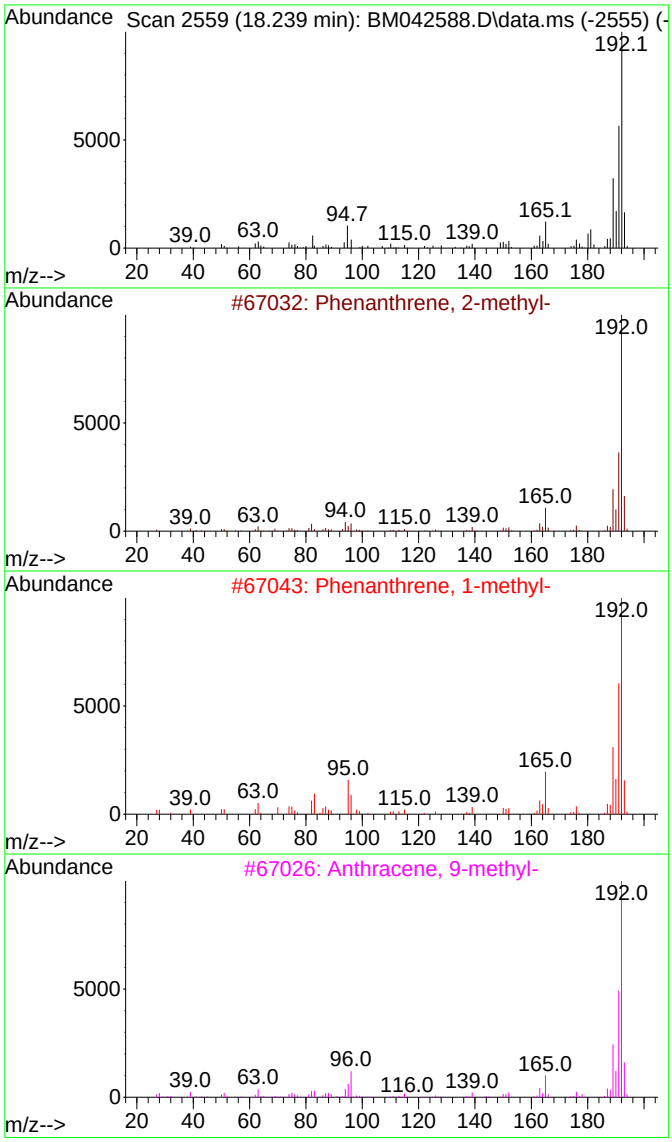
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

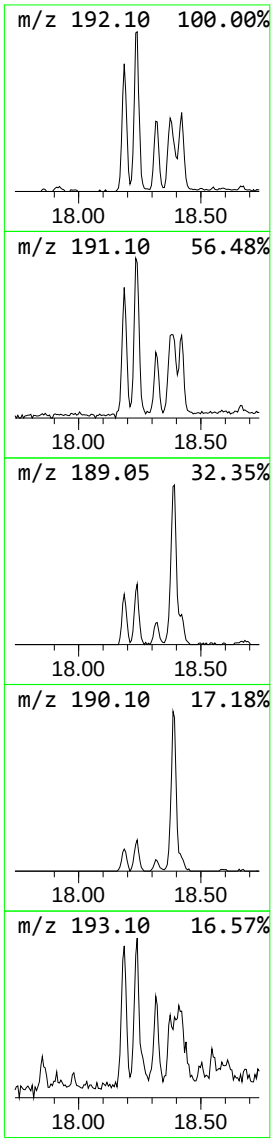
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.239 | 7.14 ng | 199663 | Phenanthrene-d10 | 17.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 93 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 3 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 93 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110423\
Data File : BM042588.D
Acq On : 04 Nov 2023 13:06
Operator : MA/JU
Sample : 05237-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
11TH-ST-1

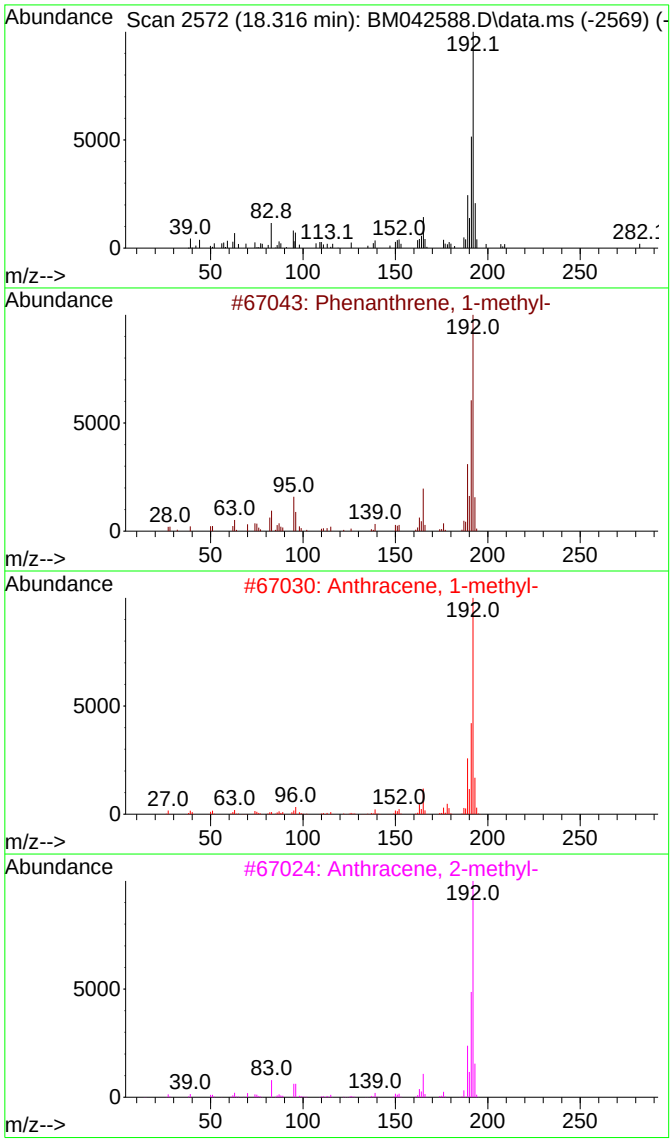
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

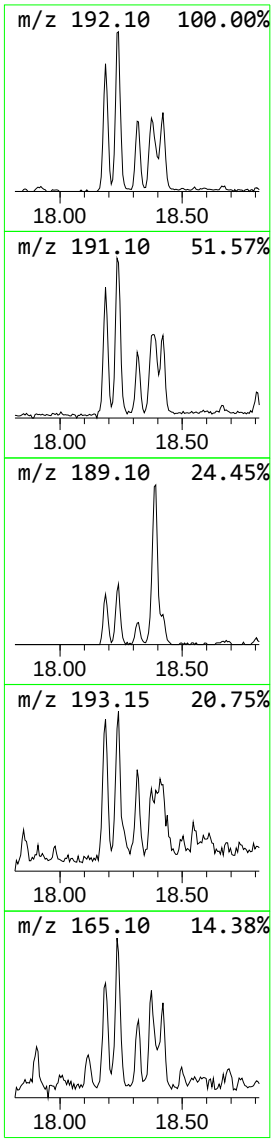
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.316 | 2.15 ng | 60030 | Phenanthrene-d10 | 17.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 2 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 95 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 94 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 94 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110423\
Data File : BM042588.D
Acq On : 04 Nov 2023 13:06
Operator : MA/JU
Sample : 05237-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
11TH-ST-1

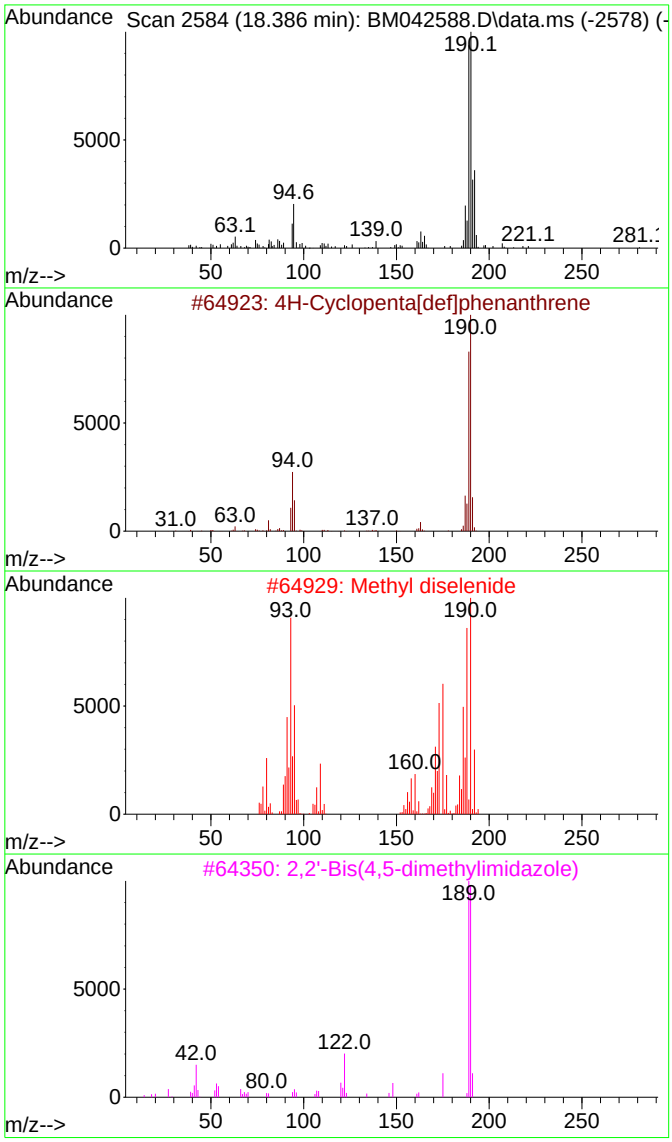
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

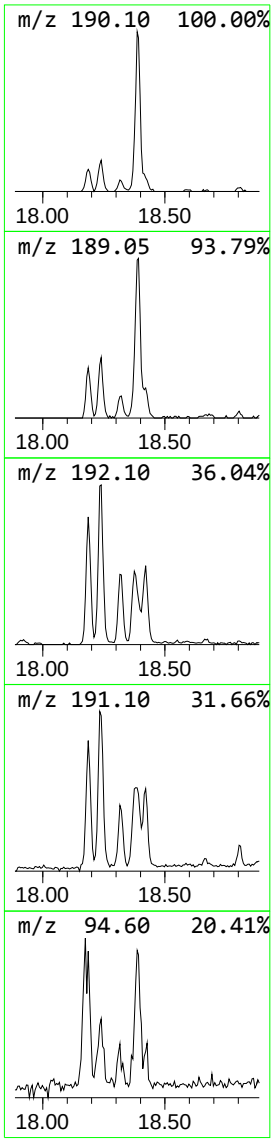
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.386 | 5.48 ng | 153289 | Phenanthrene-d10 | 17.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 87 |
| 2 | Methyl diselenide | 190 | C2H6Se2 | 007101-31-7 | 53 |
| 3 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 40 |
| 4 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 33 |
| 5 | 1-Aminocyclopentanecarboxylic ac... | 297 | C11H17Cl2NO4 | 1000329-17-6 | 27 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110423\
Data File : BM042588.D
Acq On : 04 Nov 2023 13:06
Operator : MA/JU
Sample : 05237-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
11TH-ST-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

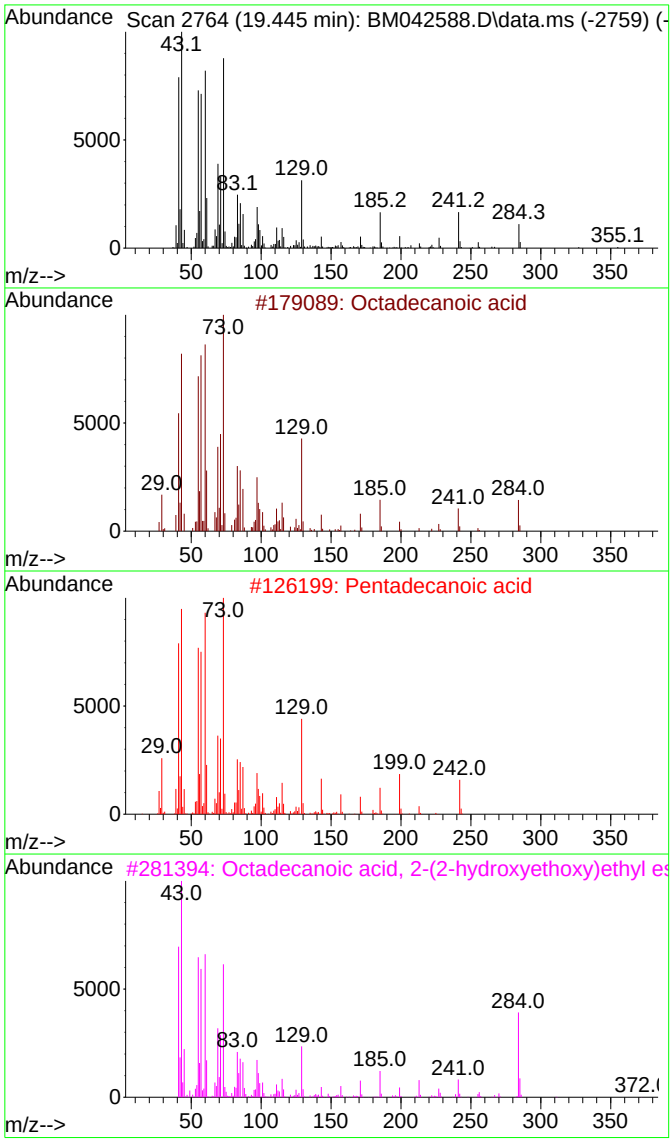
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

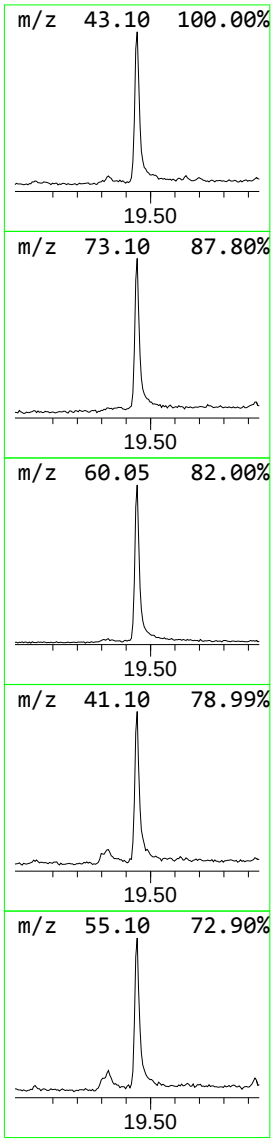
**********

Peak Number 6 Octadecanoic acid Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.445 | 9.05 ng | 580492 | Chrysene-d12 | 21.498 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 91 |
| 3 | Octadecanoic acid, 2-(2-hydroxye... | 372 | C22H44O4 | 000106-11-6 | 90 |
| 4 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 72 |
| 5 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 70 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110423\
Data File : BM042588.D
Acq On : 04 Nov 2023 13:06
Operator : MA/JU
Sample : 05237-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
11TH-ST-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

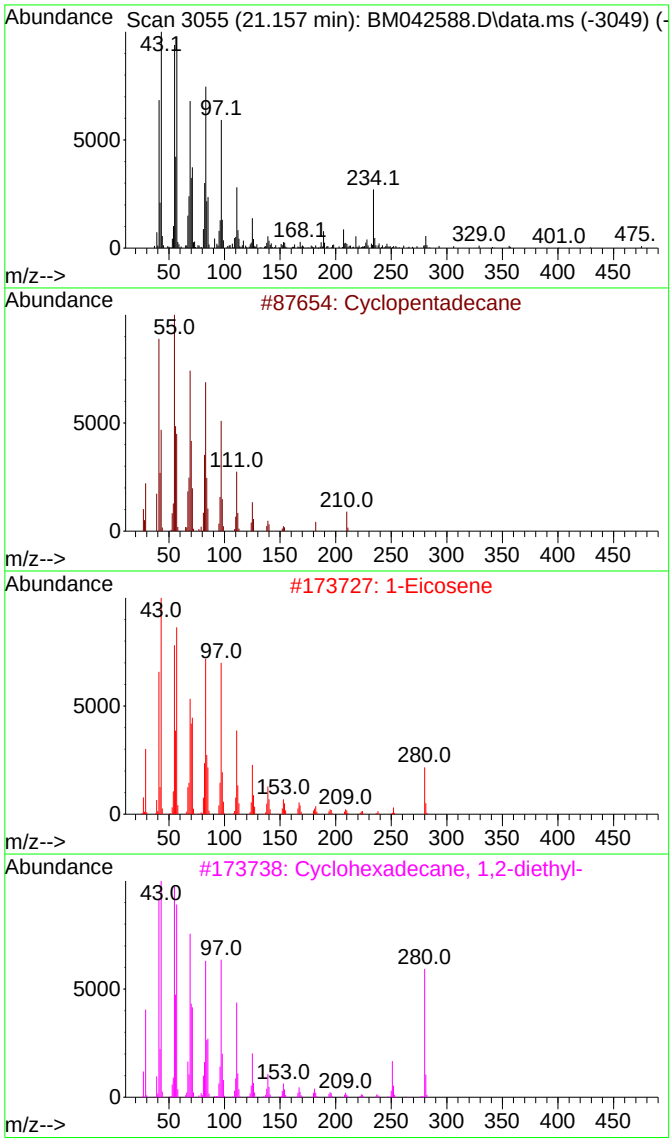
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

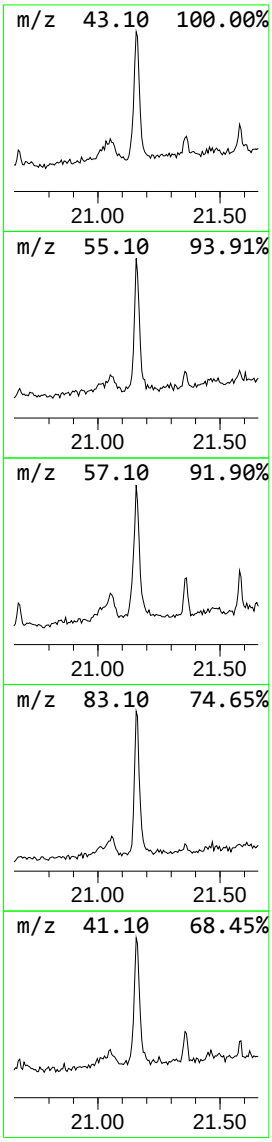
**********

Peak Number 7 Cyclopentadecane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.157 | 6.98 ng | 447929 | Chrysene-d12 | 21.498 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentadecane | 210 | C15H30 | 000295-48-7 | 96 |
| 2 | 1-Eicosene | 280 | C20H40 | 003452-07-1 | 94 |
| 3 | Cyclohexadecane, 1,2-diethyl- | 280 | C20H40 | 1000155-85-3 | 93 |
| 4 | 5-Eicosene, (E)- | 280 | C20H40 | 074685-30-6 | 93 |
| 5 | E-14-Hexadecenal | 238 | C16H30O | 330207-53-9 | 93 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110423\
Data File : BM042588.D
Acq On : 04 Nov 2023 13:06
Operator : MA/JU
Sample : 05237-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
11TH-ST-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.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 |
| n-Hexadecanoic ... | 18.169 | 46.0 | ng | 1286400 | 4 | 17.316 | 558953 | 20.0 |
| Phenanthrene, 2... | 18.239 | 7.1 | ng | 199663 | 4 | 17.316 | 558953 | 20.0 |
| Phenanthrene, 1... | 18.316 | 2.1 | ng | 60030 | 4 | 17.316 | 558953 | 20.0 |
| 4H-Cyclopenta[d... | 18.386 | 5.5 | ng | 153289 | 4 | 17.316 | 558953 | 20.0 |
| Octadecanoic acid | 19.445 | 9.1 | ng | 580492 | 5 | 21.498 | 1283350 | 20.0 |
| Cyclopentadecane | 21.157 | 7.0 | ng | 447929 | 5 | 21.498 | 1283350 | 20.0 |