LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
Data File : BP003280.D
Acq On : 14 Sep 2020 21:47
Operator : CG/JU
Sample : L3869-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** OR-03-091120

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\8270-BP082420.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.258 | 396 | 403 | 415 | rBV | 810077 | 1224167 | 38.66% | 3.207% |
| 2 | 6.834 | 662 | 671 | 686 | rBV | 720620 | 1247196 | 39.38% | 3.267% |
| 3 | 7.640 | 801 | 808 | 819 | rBV | 793649 | 1236492 | 39.05% | 3.239% |
| 4 | 8.787 | 996 | 1003 | 1018 | rBV | 494860 | 872112 | 27.54% | 2.284% |
| 5 | 10.416 | 1272 | 1280 | 1298 | rBV | 979561 | 1801957 | 56.90% | 4.720% |
| 6 | 12.899 | 1696 | 1702 | 1723 | rVB | 1504012 | 2371198 | 74.88% | 6.211% |
| 7 | 13.193 | 1748 | 1752 | 1760 | rBV2 | 20821 | 38735 | 1.22% | 0.101% |
| 8 | 13.610 | 1818 | 1823 | 1827 | rBV | 24070 | 37508 | 1.18% | 0.098% |
| 9 | 13.746 | 1841 | 1846 | 1857 | rVB2 | 114584 | 195893 | 6.19% | 0.513% |
| 10 | 14.004 | 1884 | 1890 | 1899 | rBV | 173107 | 315028 | 9.95% | 0.825% |
| 11 | 14.128 | 1906 | 1911 | 1920 | rBV3 | 48620 | 108430 | 3.42% | 0.284% |
| 12 | 14.281 | 1931 | 1937 | 1945 | rBV | 1471885 | 2279206 | 71.97% | 5.970% |
| 13 | 14.346 | 1945 | 1948 | 1952 | rVB | 27768 | 35411 | 1.12% | 0.093% |
| 14 | 14.510 | 1970 | 1976 | 1985 | rBV6 | 13948 | 34165 | 1.08% | 0.089% |
| 15 | 14.693 | 2003 | 2007 | 2014 | rVB2 | 41503 | 67437 | 2.13% | 0.177% |
| 16 | 14.769 | 2016 | 2020 | 2025 | rVB | 40256 | 56263 | 1.78% | 0.147% |
| 17 | 14.904 | 2038 | 2043 | 2049 | rBV3 | 39495 | 85871 | 2.71% | 0.225% |
| 18 | 15.081 | 2067 | 2073 | 2077 | rBV6 | 24936 | 55367 | 1.75% | 0.145% |
| 19 | 15.163 | 2083 | 2087 | 2095 | rBV | 53887 | 76918 | 2.43% | 0.201% |
| 20 | 15.340 | 2113 | 2117 | 2130 | rVB5 | 49629 | 131560 | 4.15% | 0.345% |
| 21 | 15.634 | 2163 | 2167 | 2170 | rBV4 | 20063 | 35554 | 1.12% | 0.093% |
| 22 | 15.781 | 2186 | 2192 | 2201 | rBV | 937256 | 1451329 | 45.83% | 3.802% |
| 23 | 16.028 | 2229 | 2234 | 2238 | rBV3 | 60503 | 102899 | 3.25% | 0.270% |
| 24 | 16.345 | 2282 | 2288 | 2293 | rBV4 | 43764 | 99204 | 3.13% | 0.260% |
| 25 | 16.398 | 2293 | 2297 | 2301 | rVB3 | 43962 | 65369 | 2.06% | 0.171% |
| 26 | 16.498 | 2310 | 2314 | 2319 | rVB3 | 31680 | 50783 | 1.60% | 0.133% |
| 27 | 16.622 | 2332 | 2335 | 2339 | rVB | 30564 | 40051 | 1.26% | 0.105% |
| 28 | 16.857 | 2372 | 2375 | 2384 | rVB2 | 41146 | 103854 | 3.28% | 0.272% |
| 29 | 17.040 | 2400 | 2406 | 2410 | rBV | 1596981 | 2265629 | 71.54% | 5.934% |
| 30 | 17.081 | 2410 | 2413 | 2421 | rVV | 455838 | 616671 | 19.47% | 1.615% |
| 31 | 17.175 | 2424 | 2429 | 2434 | rVB | 160823 | 228632 | 7.22% | 0.599% |
| 32 | 17.240 | 2435 | 2440 | 2445 | rBV2 | 55892 | 113501 | 3.58% | 0.297% |
| 33 | 17.563 | 2493 | 2495 | 2499 | rVB | 42403 | 43090 | 1.36% | 0.113% |
| 34 | 17.622 | 2499 | 2505 | 2510 | rVB2 | 65692 | 114250 | 3.61% | 0.299% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
Data File : BP003280.D
Acq On : 14 Sep 2020 21:47
Operator : CG/JU
Sample : L3869-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** OR-03-091120

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\8270-BP082420.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 17.734 | 2520 | 2524 | 2528 | rBV | 377175 | 448918 | 14.18% | 1.176% |
| 36 | 17.916 | 2550 | 2555 | 2558 | rBV | 256793 | 352548 | 11.13% | 0.923% |
| 37 | 17.957 | 2558 | 2562 | 2569 | rVV | 325076 | 473315 | 14.95% | 1.240% |
| 38 | 18.039 | 2572 | 2576 | 2580 | rVV | 105154 | 158804 | 5.01% | 0.416% |
| 39 | 18.098 | 2581 | 2586 | 2590 | rVV2 | 347227 | 613697 | 19.38% | 1.607% |
| 40 | 18.134 | 2590 | 2592 | 2601 | rVB | 210496 | 309517 | 9.77% | 0.811% |
| 41 | 18.304 | 2617 | 2621 | 2625 | rVB3 | 63368 | 81888 | 2.59% | 0.214% |
| 42 | 18.398 | 2634 | 2637 | 2641 | rBV | 113299 | 131828 | 4.16% | 0.345% |
| 43 | 18.616 | 2670 | 2674 | 2676 | rBV2 | 57572 | 90775 | 2.87% | 0.238% |
| 44 | 18.639 | 2676 | 2678 | 2683 | rVB | 87809 | 94603 | 2.99% | 0.248% |
| 45 | 18.692 | 2683 | 2687 | 2690 | rBV | 159514 | 188766 | 5.96% | 0.494% |
| 46 | 18.728 | 2690 | 2693 | 2698 | rVB2 | 119324 | 151939 | 4.80% | 0.398% |
| 47 | 18.810 | 2702 | 2707 | 2709 | rBV | 388743 | 575304 | 18.17% | 1.507% |
| 48 | 18.839 | 2709 | 2712 | 2714 | rVV | 622832 | 670099 | 21.16% | 1.755% |
| 49 | 18.869 | 2714 | 2717 | 2721 | rVB2 | 1021109 | 1116007 | 35.24% | 2.923% |
| 50 | 18.939 | 2726 | 2729 | 2736 | rVV3 | 126671 | 250743 | 7.92% | 0.657% |
| 51 | 18.998 | 2736 | 2739 | 2744 | rVB | 230601 | 273352 | 8.63% | 0.716% |
| 52 | 19.057 | 2745 | 2749 | 2755 | rBV | 762972 | 1008991 | 31.86% | 2.643% |
| 53 | 19.128 | 2757 | 2761 | 2764 | rBV2 | 78552 | 112650 | 3.56% | 0.295% |
| 54 | 19.163 | 2764 | 2767 | 2770 | rVB2 | 75410 | 89589 | 2.83% | 0.235% |
| 55 | 19.210 | 2771 | 2775 | 2778 | rBV | 105627 | 143450 | 4.53% | 0.376% |
| 56 | 19.298 | 2787 | 2790 | 2793 | rBV2 | 65132 | 89691 | 2.83% | 0.235% |
| 57 | 19.410 | 2802 | 2809 | 2819 | rVV | 971154 | 1546321 | 48.83% | 4.050% |
| 58 | 19.498 | 2819 | 2824 | 2828 | rVB2 | 184730 | 283921 | 8.97% | 0.744% |
| 59 | 19.616 | 2839 | 2844 | 2848 | rVB | 1865127 | 2205072 | 69.63% | 5.776% |
| 60 | 19.733 | 2859 | 2864 | 2875 | rBV5 | 171764 | 470594 | 14.86% | 1.233% |
| 61 | 19.869 | 2884 | 2887 | 2888 | rBV3 | 79195 | 102046 | 3.22% | 0.267% |
| 62 | 19.898 | 2889 | 2892 | 2896 | rVB | 284519 | 358645 | 11.33% | 0.939% |
| 63 | 19.992 | 2906 | 2908 | 2912 | rVB | 147962 | 166542 | 5.26% | 0.436% |
| 64 | 20.051 | 2915 | 2918 | 2923 | rVB | 237785 | 315360 | 9.96% | 0.826% |
| 65 | 20.186 | 2938 | 2941 | 2945 | rBV | 211284 | 231419 | 7.31% | 0.606% |
| 66 | 20.233 | 2946 | 2949 | 2953 | rVB | 205476 | 231561 | 7.31% | 0.607% |
| 67 | 20.863 | 3053 | 3056 | 3061 | rBV3 | 262214 | 357585 | 11.29% | 0.937% |
| 68 | 21.133 | 3096 | 3102 | 3106 | rBV2 | 2032494 | 3166753 | 100.00% | 8.295% |
| 69 | 21.169 | 3106 | 3108 | 3118 | rVB | 525057 | 716059 | 22.61% | 1.876% |
| 70 | 23.274 | 3462 | 3466 | 3473 | rVB | 402492 | 750752 | 23.71% | 1.966% |
| 71 | 23.369 | 3477 | 3482 | 3488 | rVB2 | 1228071 | 2246467 | 70.94% | 5.884% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
Data File : BP003280.D
Acq On : 14 Sep 2020 21:47
Operator : CG/JU
Sample : L3869-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** OR-03-091120

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\8270-BP082420.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 38177301

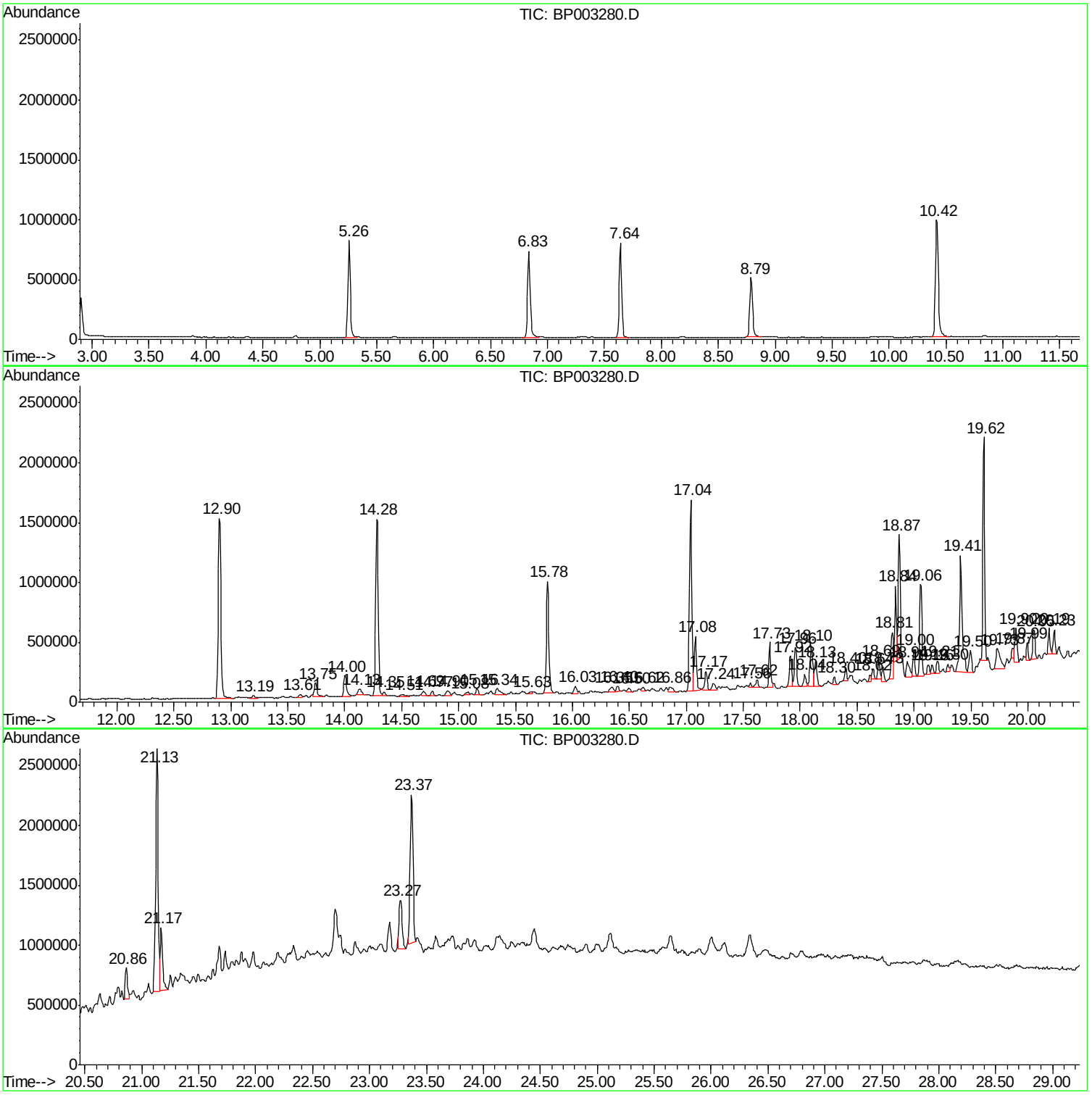
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
Data File : BP003280.D
Acq On : 14 Sep 2020 21:47
Operator : CG/JU
Sample : L3869-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** OR-03-091120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
Data File : BP003280.D
Acq On : 14 Sep 2020 21:47
Operator : CG/JU
Sample : L3869-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** OR-03-091120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

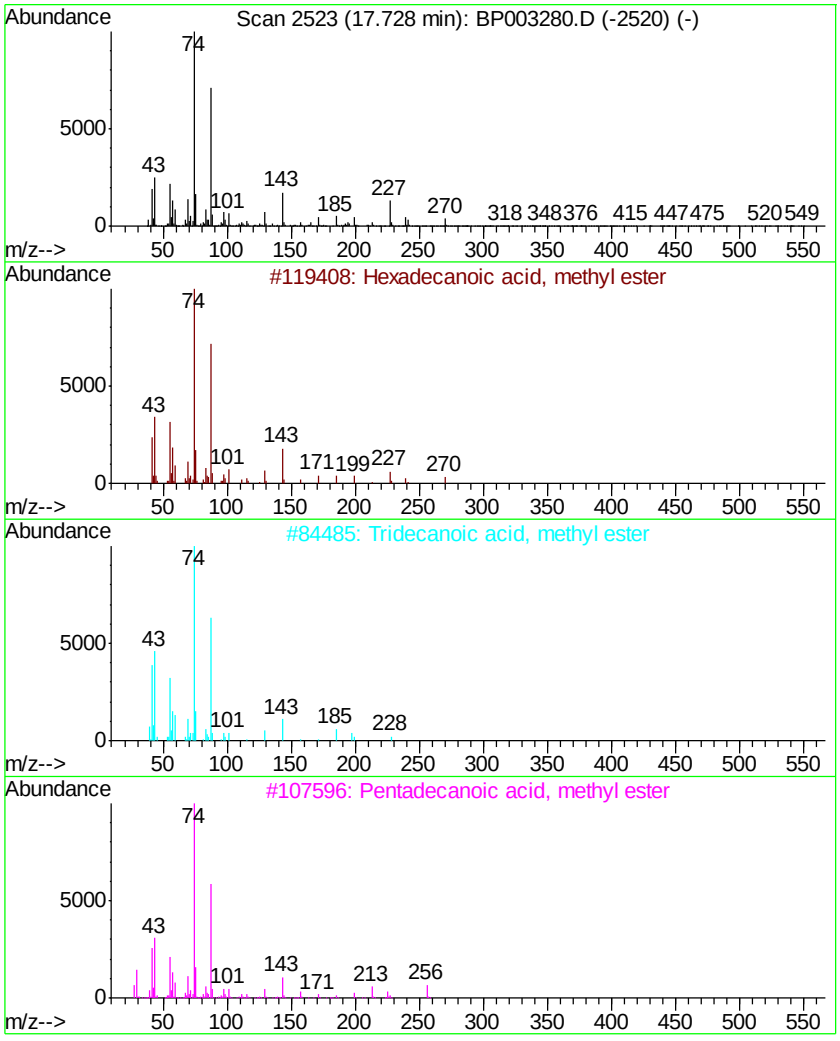
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

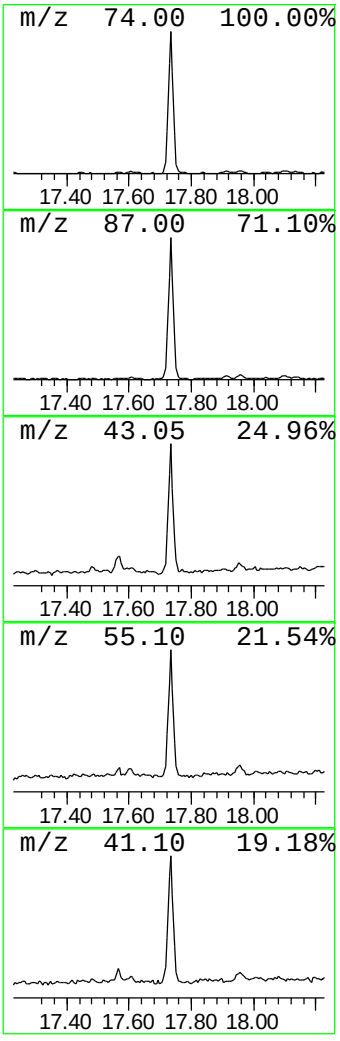
**********

Peak Number 1 Hexadecanoic acid, methyl e... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.73 | 3.96 ng | 448918 | Phenanthrene-d10 | 17.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecanoic acid, methyl ester | 270 | C17H34O2 | 000112-39-0 | 98 |
| 2 | Tridecanoic acid, methyl ester | 228 | C14H28O2 | 001731-88-0 | 90 |
| 3 | Pentadecanoic acid, methyl ester | 256 | C16H32O2 | 007132-64-1 | 87 |
| 4 | Hexadecanoic acid, 2-methyl- | 270 | C17H34O2 | 027147-71-3 | 86 |
| 5 | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 81 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
Data File : BP003280.D
Acq On : 14 Sep 2020 21:47
Operator : CG/JU
Sample : L3869-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** OR-03-091120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

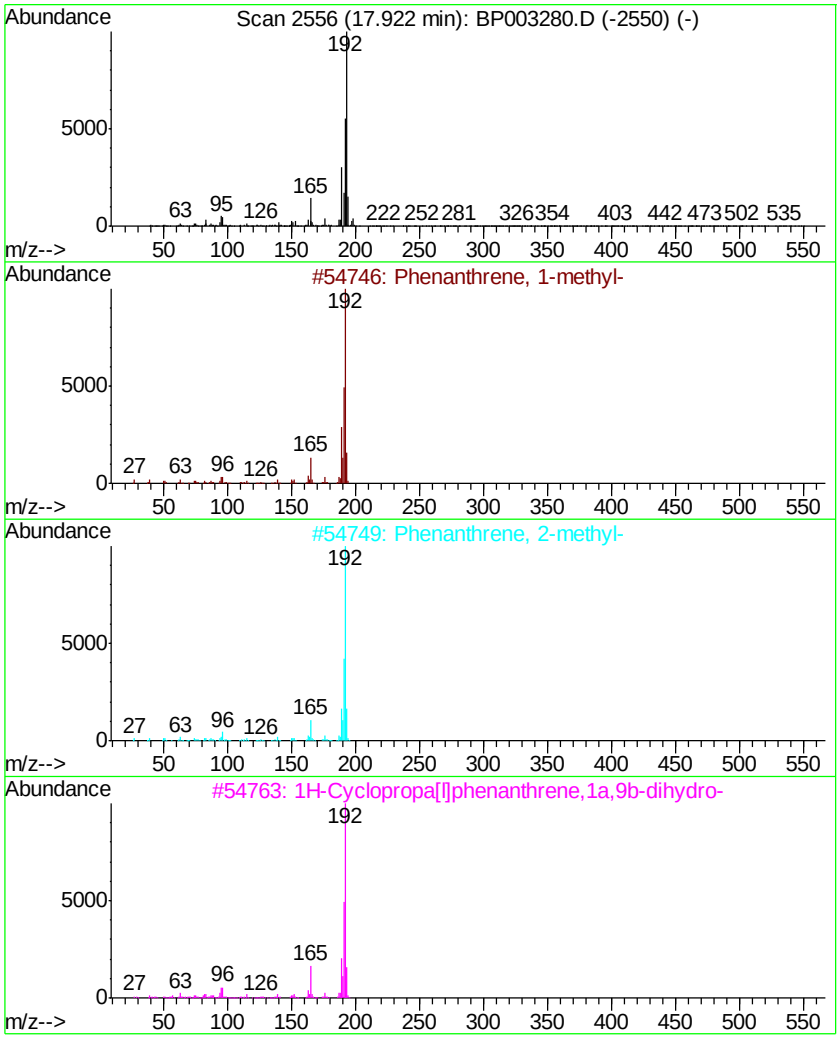
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

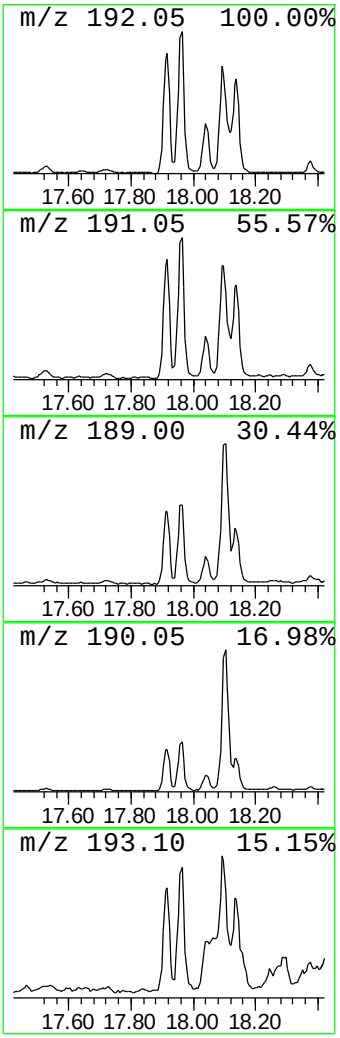
**********

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.92 | 3.11 ng | 352548 | Phenanthrene-d10 | 17.04 |

| 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 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 96 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
Data File : BP003280.D
Acq On : 14 Sep 2020 21:47
Operator : CG/JU
Sample : L3869-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** OR-03-091120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

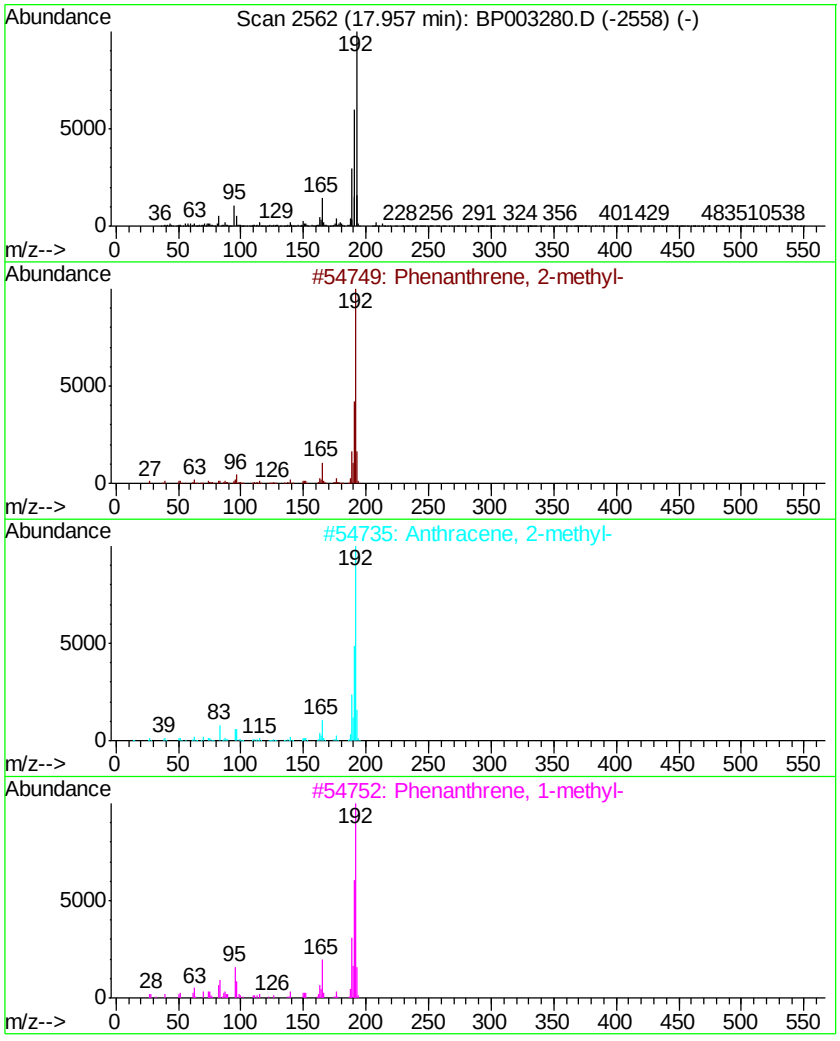
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

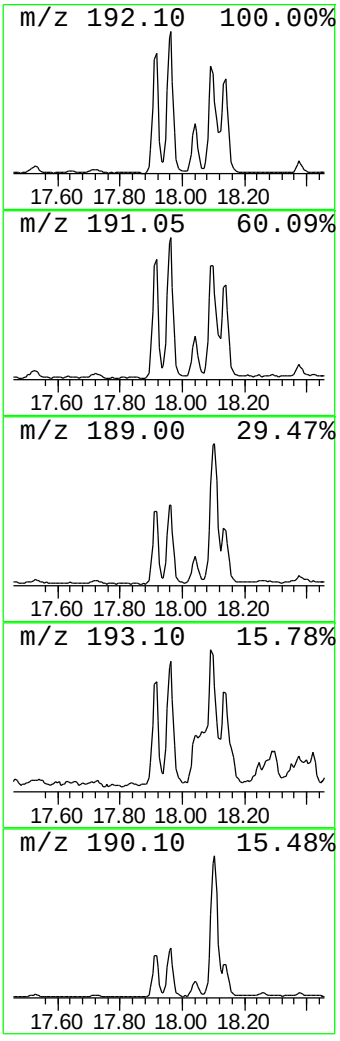
**********

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.96 | 4.18 ng | 473315 | Phenanthrene-d10 | 17.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 95 |
| 4 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 94 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 93 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
Data File : BP003280.D
Acq On : 14 Sep 2020 21:47
Operator : CG/JU
Sample : L3869-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** OR-03-091120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

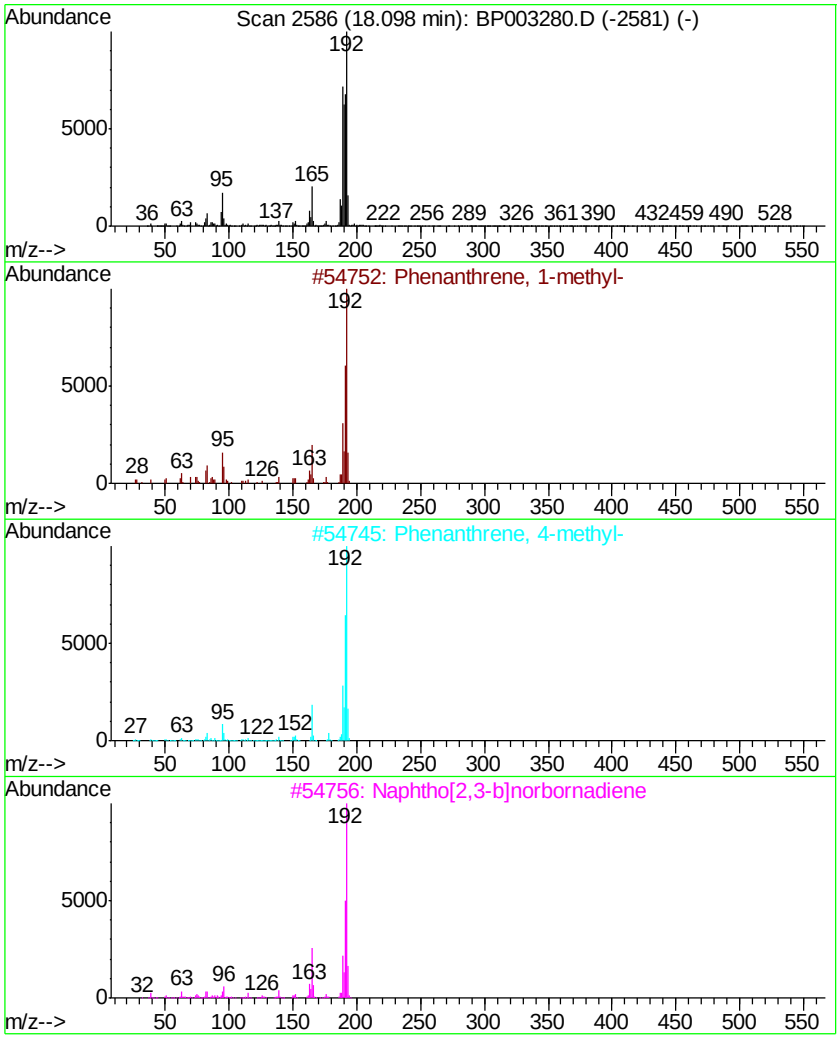
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

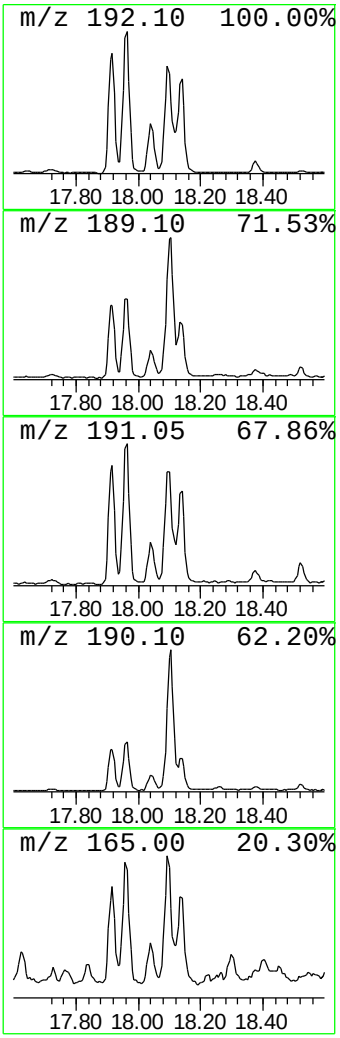
**********

Peak Number 4 Phenanthrene, 4-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.10 | 5.42 ng | 613697 | Phenanthrene-d10 | 17.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 64 |
| 2 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 60 |
| 3 | Naphtho[2,3-b]norbornadiene | 192 | C15H12 | 107426-38-0 | 60 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 60 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 58 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
Data File : BP003280.D
Acq On : 14 Sep 2020 21:47
Operator : CG/JU
Sample : L3869-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** OR-03-091120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

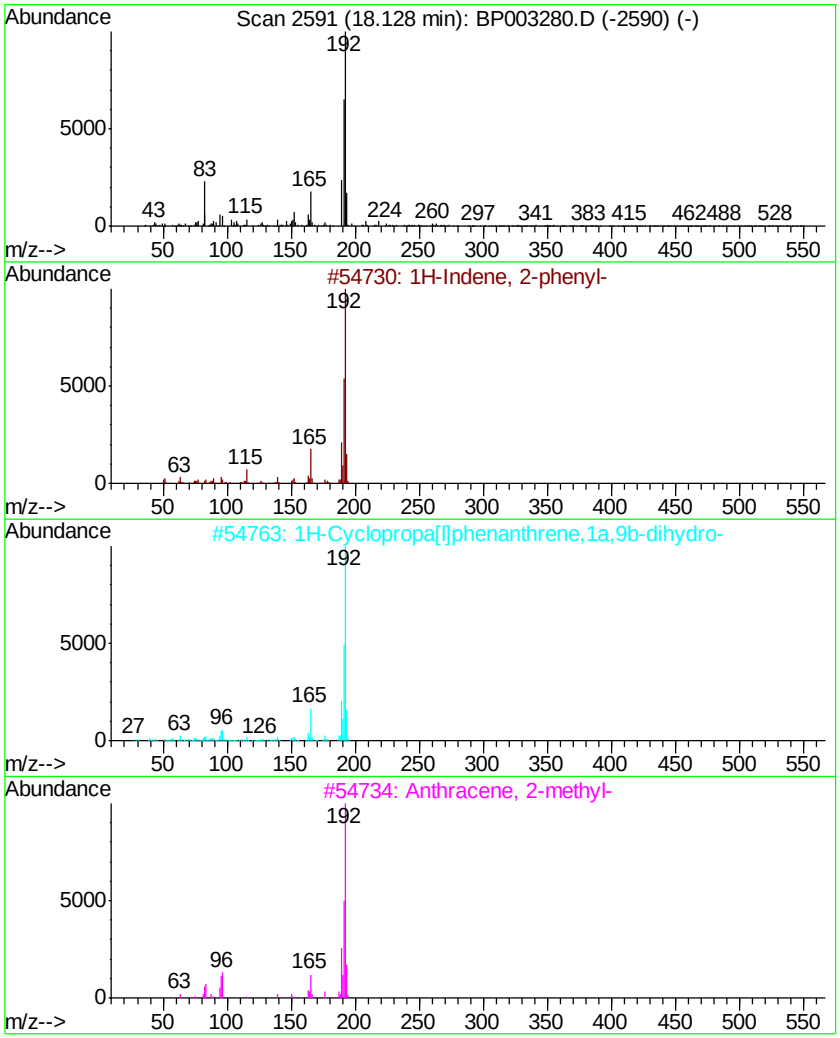
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

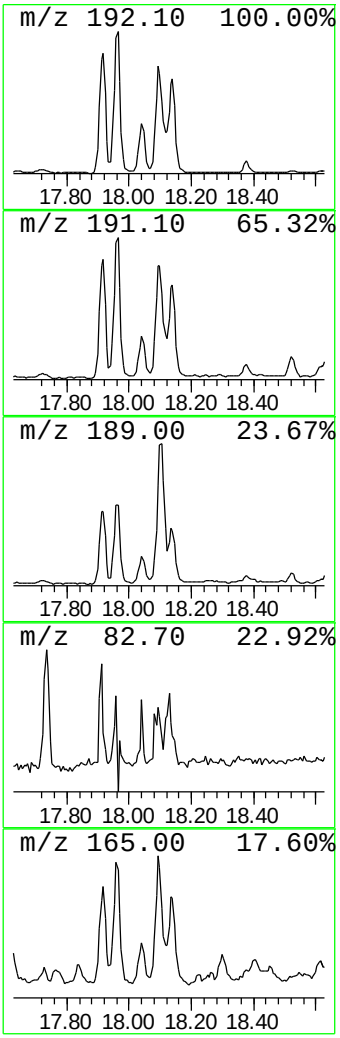
**********

Peak Number 5 1H-Indene, 2-phenyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.13 | 2.73 ng | 309517 | Phenanthrene-d10 | 17.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 90 |
| 2 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 90 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 81 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 81 |
| 5 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 81 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
Data File : BP003280.D
Acq On : 14 Sep 2020 21:47
Operator : CG/JU
Sample : L3869-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** OR-03-091120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

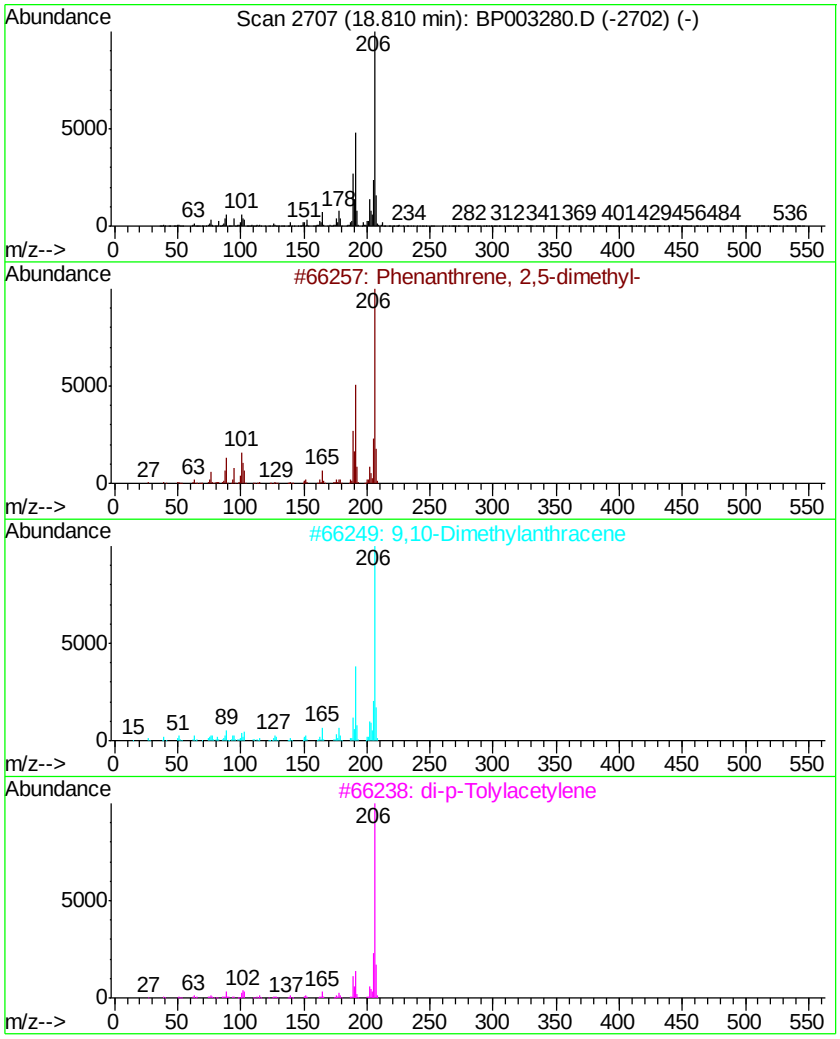
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

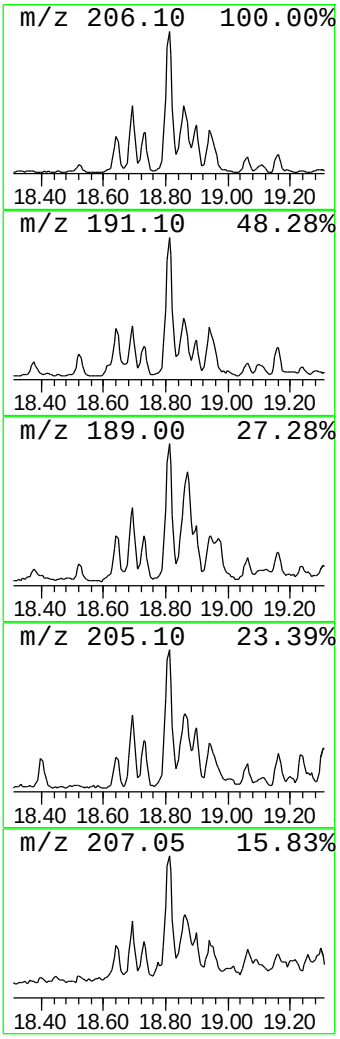
**********

Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.81 | 5.08 ng | 575304 | Phenanthrene-d10 | 17.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 95 |
| 2 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 95 |
| 3 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 93 |
| 4 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 90 |
| 5 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
Data File : BP003280.D
Acq On : 14 Sep 2020 21:47
Operator : CG/JU
Sample : L3869-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** OR-03-091120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

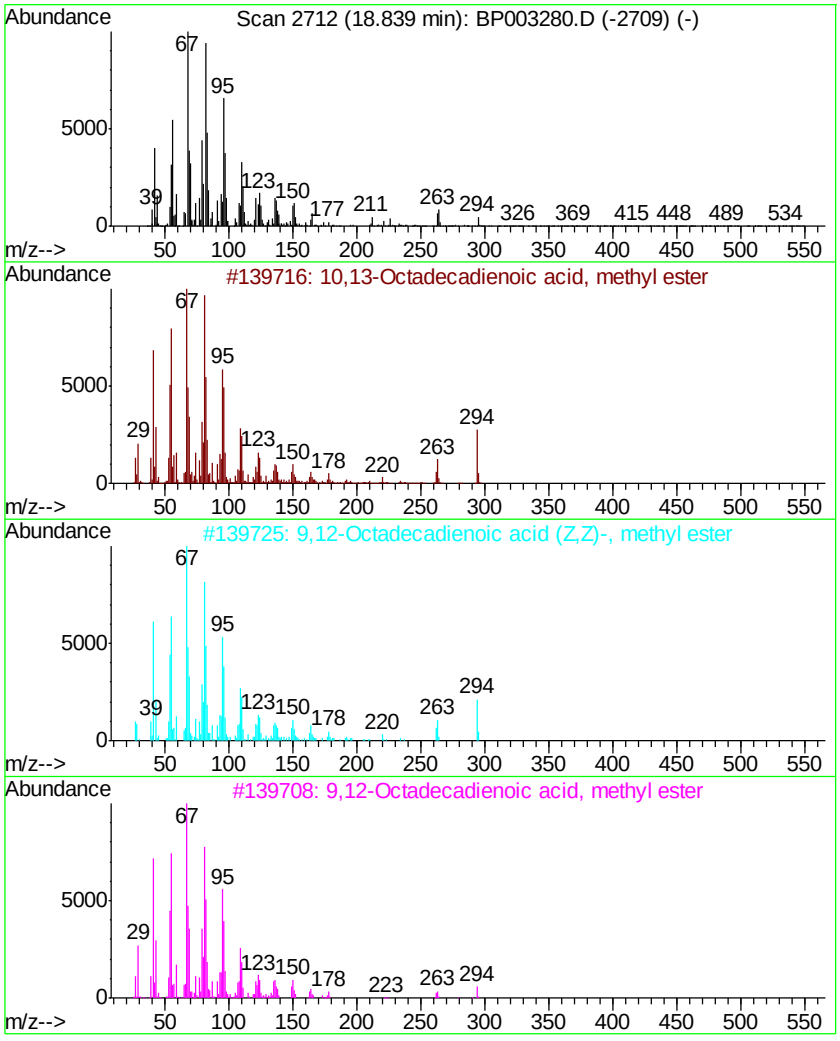
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

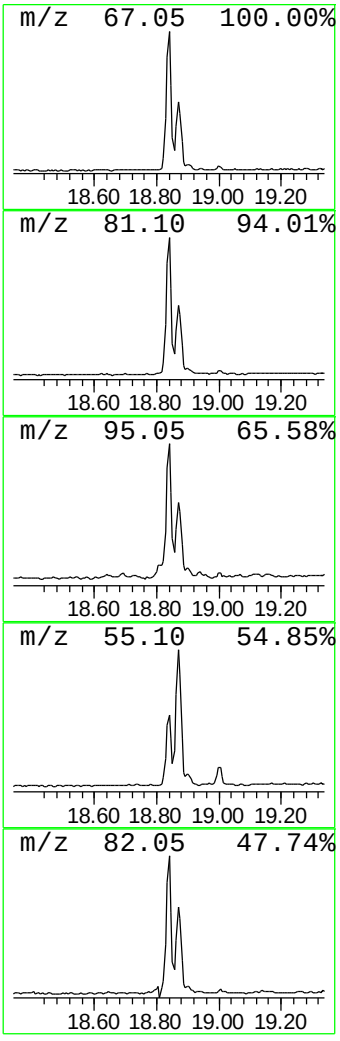
**********

Peak Number 7 10,13-Octadecadienoic acid,... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.84 | 5.92 ng | 670099 | Phenanthrene-d10 | 17.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 10,13-Octadecadienoic acid, meth... | 294 | C19H34O2 | 056554-62-2 | 99 |
| 2 | 9,12-Octadecadienoic acid (Z,Z)-... | 294 | C19H34O2 | 000112-63-0 | 99 |
| 3 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002462-85-3 | 99 |
| 4 | 9,15-Octadecadienoic acid, methy... | 294 | C19H34O2 | 017309-05-6 | 99 |
| 5 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002566-97-4 | 99 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
Data File : BP003280.D
Acq On : 14 Sep 2020 21:47
Operator : CG/JU
Sample : L3869-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** OR-03-091120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

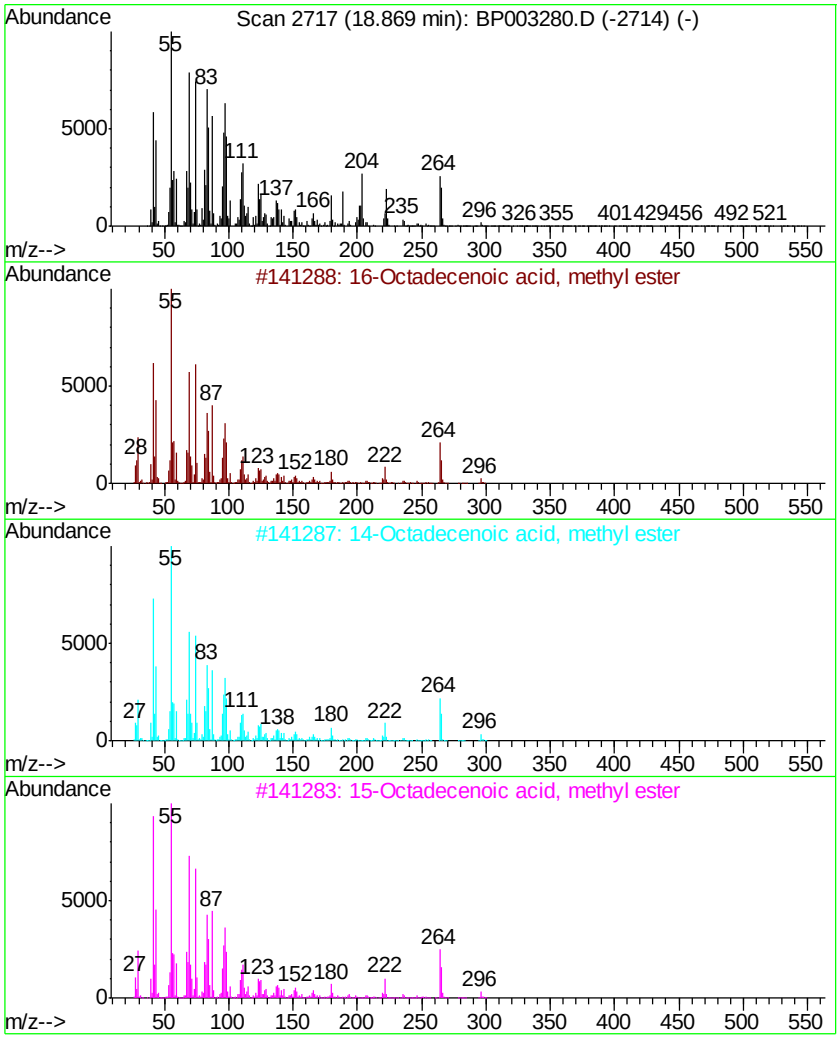
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

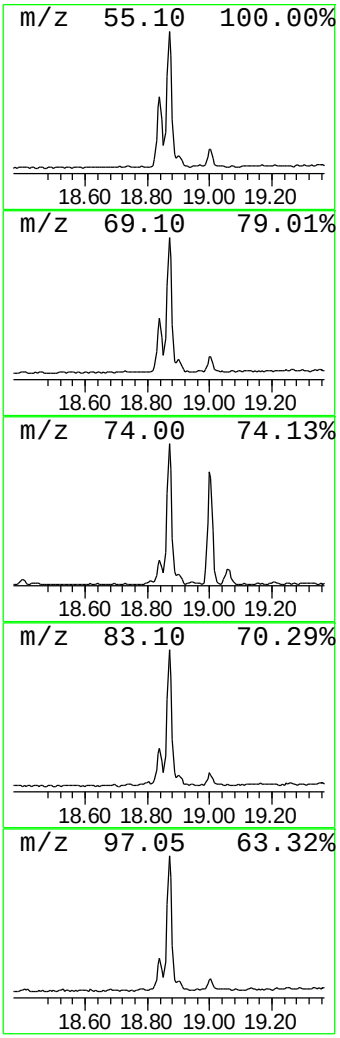
**********

Peak Number 8 16-Octadecenoic acid, methy... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.87 | 9.85 ng | 1116010 | Phenanthrene-d10 | 17.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 16-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-49-5 | 99 |
| 2 | 14-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-48-4 | 99 |
| 3 | 15-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 004764-72-1 | 99 |
| 4 | 13-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-47-3 | 99 |
| 5 | 9-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 002462-84-2 | 98 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
Data File : BP003280.D
Acq On : 14 Sep 2020 21:47
Operator : CG/JU
Sample : L3869-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** OR-03-091120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

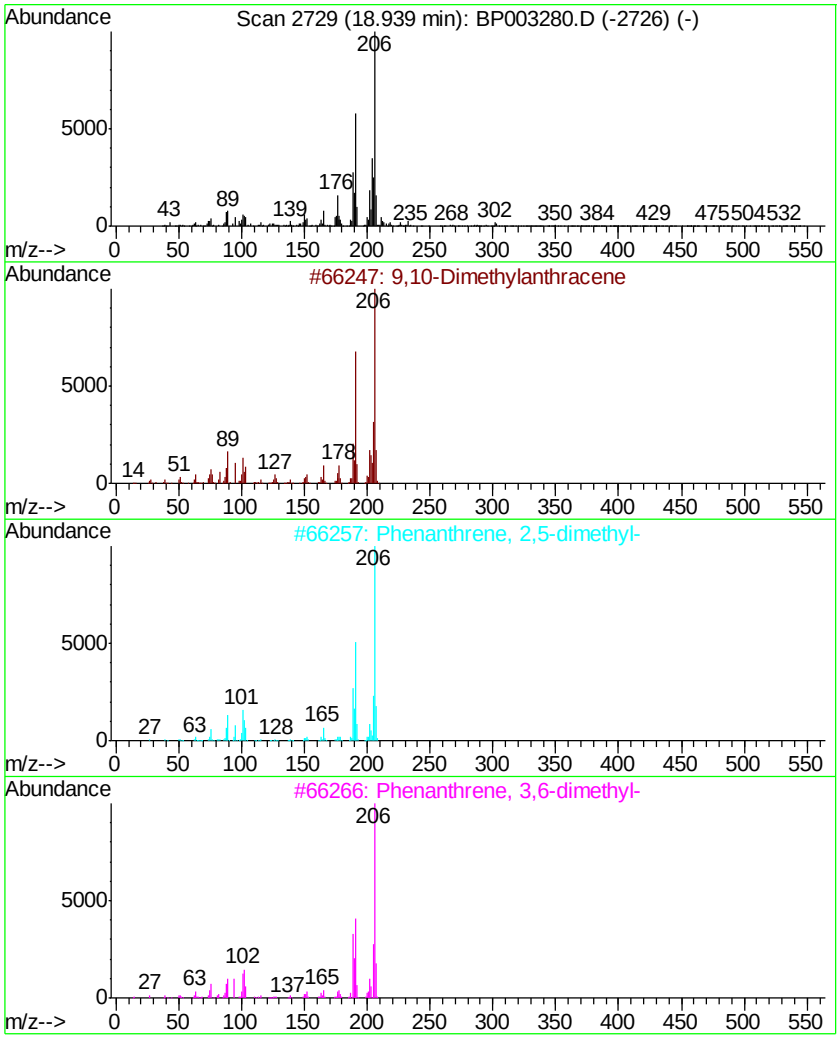
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

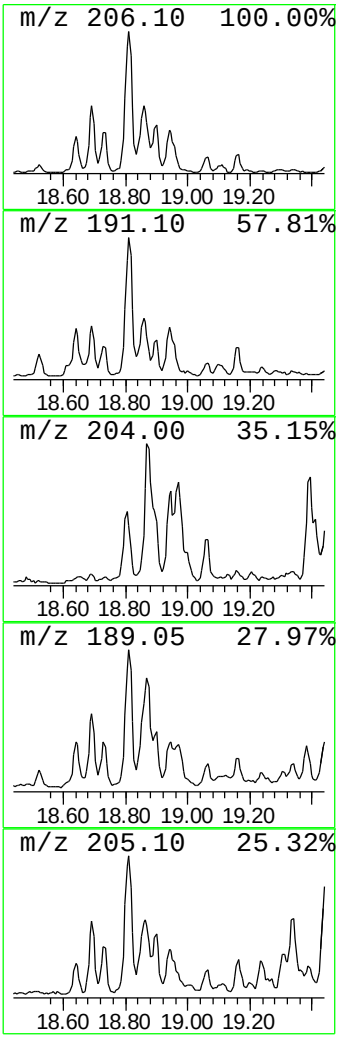
**********

Peak Number 9 9,10-Dimethylanthracene Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.94 | 2.21 ng | 250743 | Phenanthrene-d10 | 17.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 90 |
| 2 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 90 |
| 3 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 89 |
| 4 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 81 |
| 5 | Phenanthrene, 4,5-dimethyl- | 206 | C16H14 | 003674-69-9 | 81 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
Data File : BP003280.D
Acq On : 14 Sep 2020 21:47
Operator : CG/JU
Sample : L3869-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** OR-03-091120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

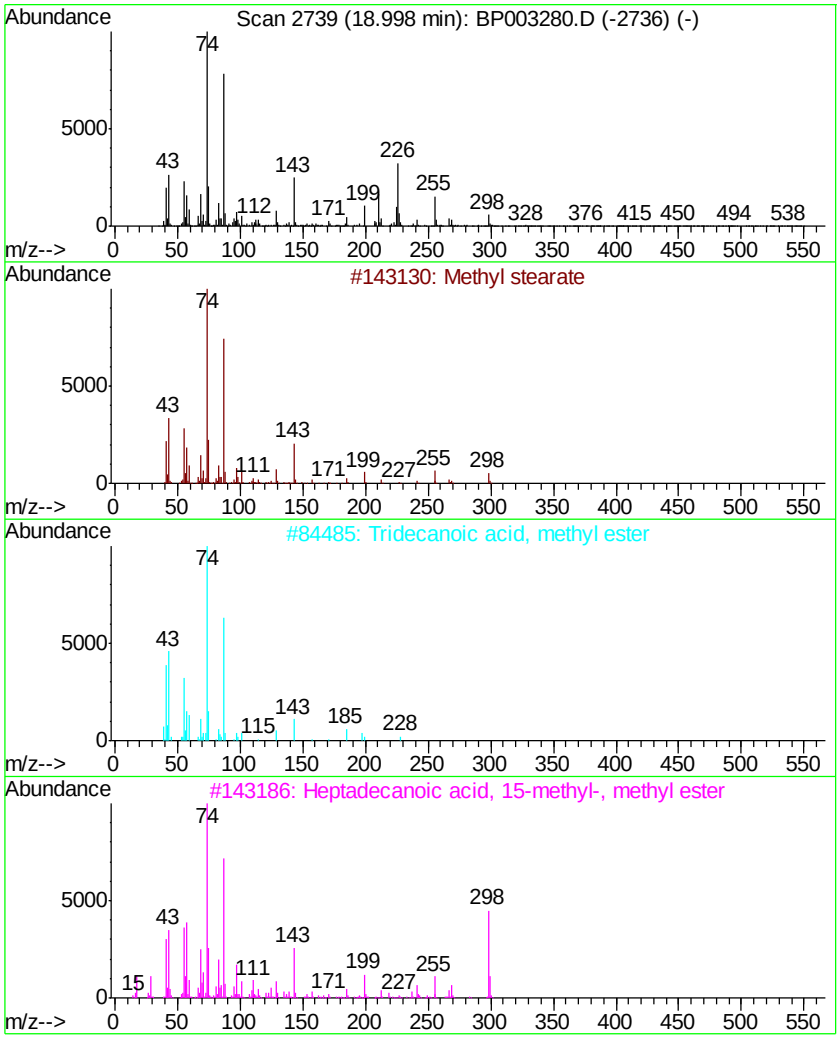
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

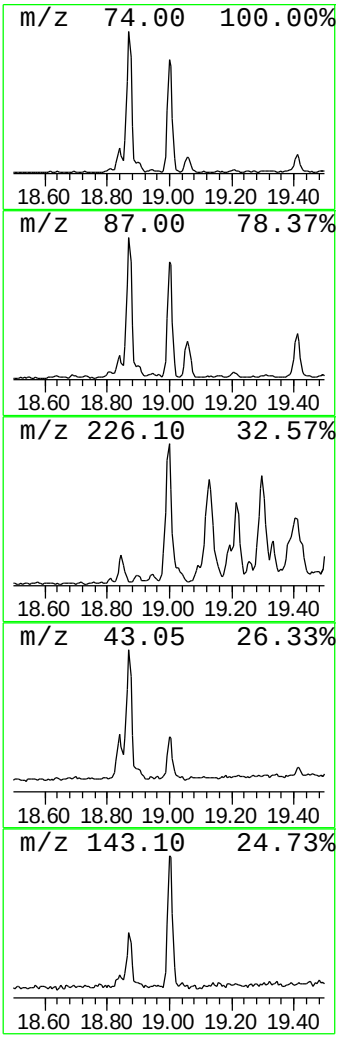
**********

Peak Number 10 Methyl stearate Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.00 | 2.41 ng | 273352 | Phenanthrene-d10 | 17.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methyl stearate | 298 | C19H38O2 | 000112-61-8 | 96 |
| 2 | Tridecanoic acid, methyl ester | 228 | C14H28O2 | 001731-88-0 | 86 |
| 3 | Heptadecanoic acid, 15-methyl-, ... | 298 | C19H38O2 | 054833-55-5 | 81 |
| 4 | Methyl tetradecanoate | 242 | C15H30O2 | 000124-10-7 | 72 |
| 5 | Heptadecanoic acid, methyl ester | 284 | C18H36O2 | 001731-92-6 | 64 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
Data File : BP003280.D
Acq On : 14 Sep 2020 21:47
Operator : CG/JU
Sample : L3869-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** OR-03-091120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

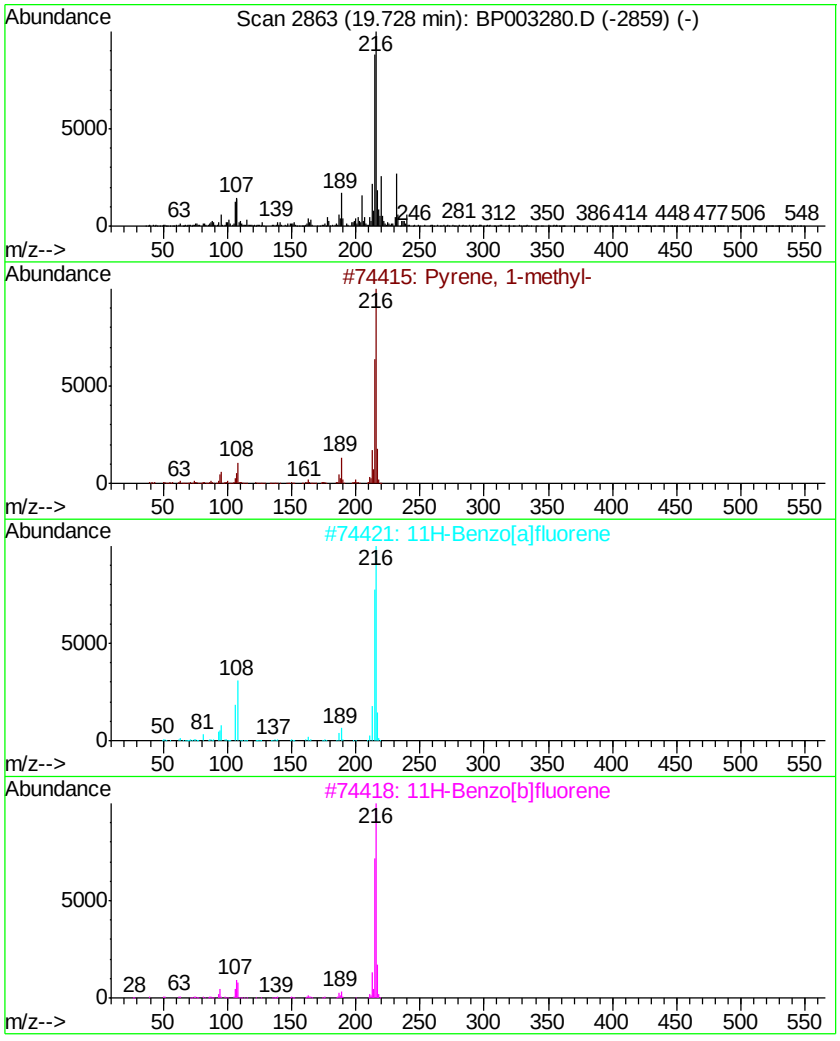
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

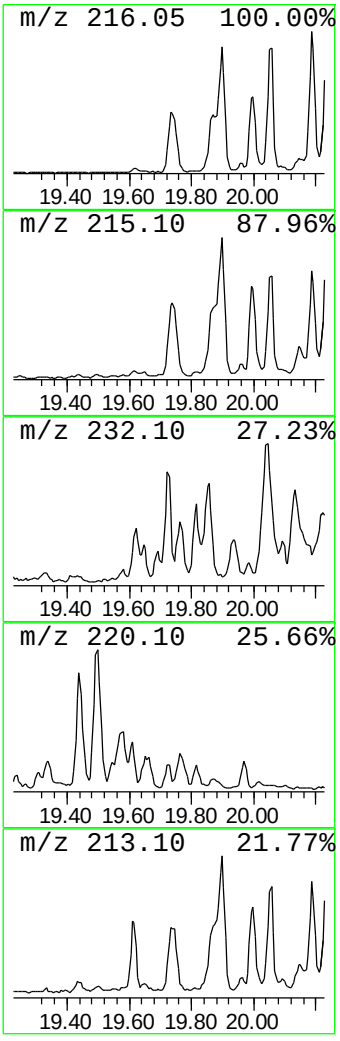
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.73 | 2.97 ng | 470594 | Chrysene-d12 | 21.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 95 |
| 2 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 87 |
| 3 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 87 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 76 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 68 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
Data File : BP003280.D
Acq On : 14 Sep 2020 21:47
Operator : CG/JU
Sample : L3869-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** OR-03-091120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

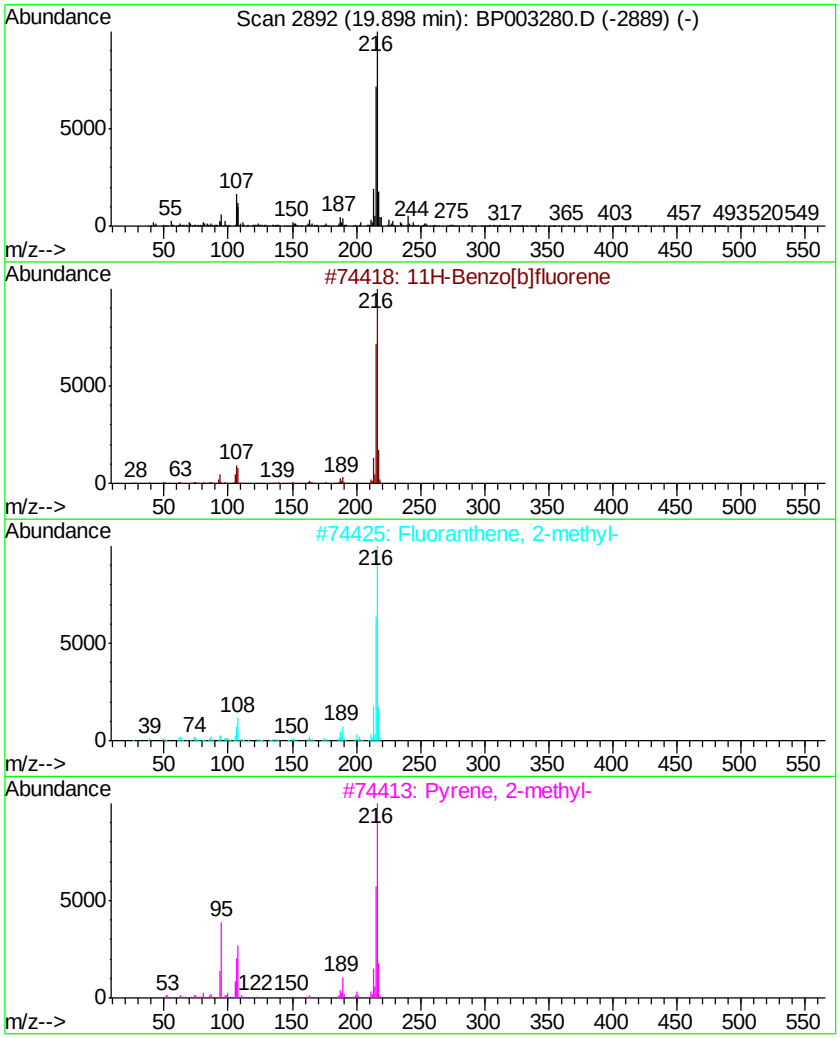
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

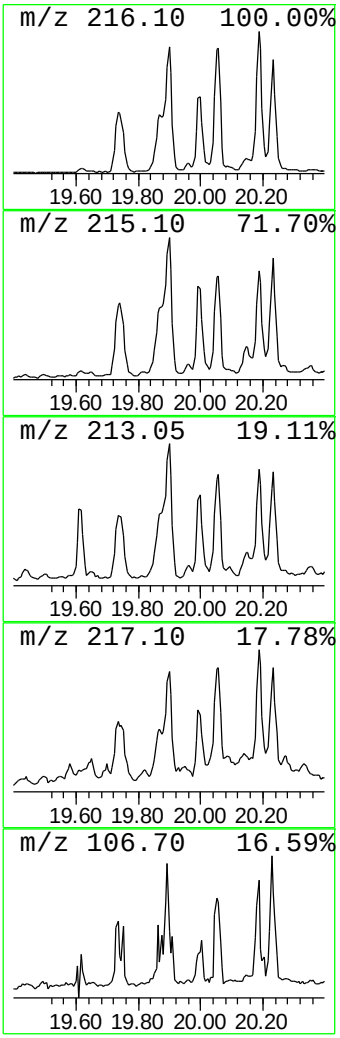
**********

Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.90 | 2.27 ng | 358645 | Chrysene-d12 | 21.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 93 |
| 2 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 89 |
| 3 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 87 |
| 4 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 87 |
| 5 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 87 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
Data File : BP003280.D
Acq On : 14 Sep 2020 21:47
Operator : CG/JU
Sample : L3869-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** OR-03-091120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

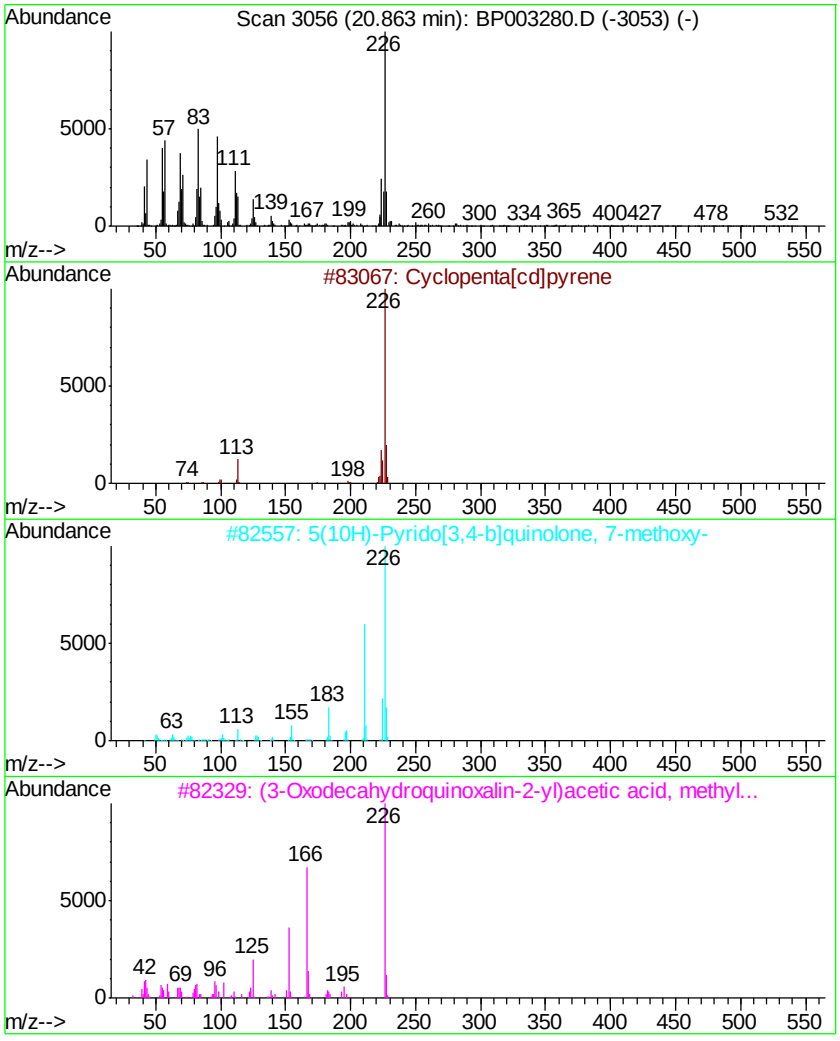
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

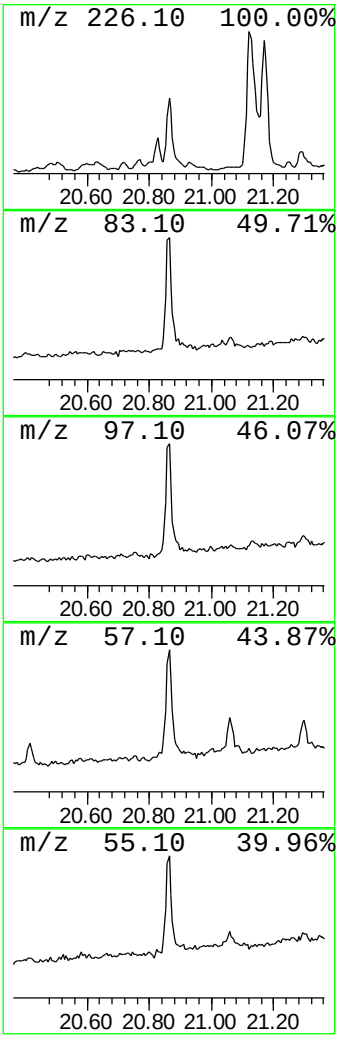
**********

Peak Number 13 unknown20.86 Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.86 | 2.26 ng | 357585 | Chrysene-d12 | 21.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta[cd]pyrene | 226 | C18H10 | 027208-37-3 | 38 |
| 2 | 5(10H)-Pyrido[3,4-b]quinolone, 7... | 226 | C13H10N2O2 | 1000256-99-5 | 27 |
| 3 | (3-Oxodecahydroquinoxalin-2-yl)a... | 226 | C11H18N2O3 | 1000304-37-5 | 27 |
| 4 | Anthralin | 226 | C14H10O3 | 001143-38-0 | 22 |
| 5 | 9H-Xanthen-9-one, 3-methoxy- | 226 | C14H10O3 | 003722-52-9 | 22 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091420\
Data File : BP003280.D
Acq On : 14 Sep 2020 21:47
Operator : CG/JU
Sample : L3869-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** OR-03-091120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Hexadecanoic acid... | 17.73 | 4.0 | ng | 448918 | 4 | 17.04 | 2265630 | 20.0 |
| Phenanthrene, 1-m... | 17.92 | 3.1 | ng | 352548 | 4 | 17.04 | 2265630 | 20.0 |
| Phenanthrene, 2-m... | 17.96 | 4.2 | ng | 473315 | 4 | 17.04 | 2265630 | 20.0 |
| Phenanthrene, 4-m... | 18.10 | 5.4 | ng | 613697 | 4 | 17.04 | 2265630 | 20.0 |
| 1H-Indene, 2-phenyl- | 18.13 | 2.7 | ng | 309517 | 4 | 17.04 | 2265630 | 20.0 |
| Phenanthrene, 2,5... | 18.81 | 5.1 | ng | 575304 | 4 | 17.04 | 2265630 | 20.0 |
| 10,13-Octadecadie... | 18.84 | 5.9 | ng | 670099 | 4 | 17.04 | 2265630 | 20.0 |
| 16-Octadecenoic a... | 18.87 | 9.8 | ng | 1116010 | 4 | 17.04 | 2265630 | 20.0 |
| 9,10-Dimethylanth... | 18.94 | 2.2 | ng | 250743 | 4 | 17.04 | 2265630 | 20.0 |
| Methyl stearate | 19.00 | 2.4 | ng | 273352 | 4 | 17.04 | 2265630 | 20.0 |
| 11H-Benzo[a]fluorene | 19.73 | 3.0 | ng | 470594 | 5 | 21.13 | 3166750 | 20.0 |
| 11H-Benzo[b]fluorene | 19.90 | 2.3 | ng | 358645 | 5 | 21.13 | 3166750 | 20.0 |
| unknown20.86 | 20.86 | 2.3 | ng | 357585 | 5 | 21.13 | 3166750 | 20.0 |