LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007213.D
Acq On : 27 Sep 2021 19:32
Operator : CG/JU
Sample : M3946-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** PL-05-092421

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-BP092121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP007213.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.458 | 396 | 403 | 414 | rBV | 1830259 | 2711100 | 37.52% | 3.089% |
| 2 | 7.058 | 664 | 675 | 688 | rBV | 1715820 | 2736534 | 37.88% | 3.118% |
| 3 | 7.881 | 808 | 815 | 822 | rVB | 1105190 | 1708106 | 23.64% | 1.946% |
| 4 | 9.046 | 1006 | 1013 | 1022 | rBV | 1034210 | 1717413 | 23.77% | 1.957% |
| 5 | 10.469 | 1249 | 1255 | 1265 | rBV | 482555 | 883697 | 12.23% | 1.007% |
| 6 | 10.687 | 1281 | 1292 | 1298 | rBV | 1343229 | 2385554 | 33.02% | 2.718% |
| 7 | 10.734 | 1298 | 1300 | 1308 | rVB | 60406 | 84536 | 1.17% | 0.096% |
| 8 | 11.381 | 1400 | 1410 | 1417 | rBV | 25442 | 92360 | 1.28% | 0.105% |
| 9 | 11.710 | 1461 | 1466 | 1470 | rBV2 | 61919 | 105757 | 1.46% | 0.121% |
| 10 | 12.346 | 1569 | 1574 | 1580 | rVB2 | 53448 | 104674 | 1.45% | 0.119% |
| 11 | 12.563 | 1605 | 1611 | 1614 | rBV | 68536 | 117024 | 1.62% | 0.133% |
| 12 | 13.057 | 1691 | 1695 | 1700 | rVB | 83906 | 119645 | 1.66% | 0.136% |
| 13 | 13.140 | 1703 | 1709 | 1719 | rVB | 2681385 | 4047131 | 56.02% | 4.612% |
| 14 | 13.345 | 1738 | 1744 | 1751 | rVB5 | 81581 | 156219 | 2.16% | 0.178% |
| 15 | 13.840 | 1824 | 1828 | 1833 | rBV2 | 55228 | 80211 | 1.11% | 0.091% |
| 16 | 13.998 | 1848 | 1855 | 1859 | rBV2 | 69984 | 131270 | 1.82% | 0.150% |
| 17 | 14.240 | 1888 | 1896 | 1908 | rBV | 185700 | 382252 | 5.29% | 0.436% |
| 18 | 14.416 | 1921 | 1926 | 1932 | rBV | 92631 | 129400 | 1.79% | 0.147% |
| 19 | 14.516 | 1934 | 1943 | 1949 | rVV | 2046675 | 3012295 | 41.69% | 3.433% |
| 20 | 14.581 | 1949 | 1954 | 1962 | rVB | 205418 | 317591 | 4.40% | 0.362% |
| 21 | 14.916 | 2006 | 2011 | 2018 | rVB | 212928 | 309577 | 4.28% | 0.353% |
| 22 | 15.363 | 2084 | 2087 | 2094 | rVB3 | 75208 | 99003 | 1.37% | 0.113% |
| 23 | 15.563 | 2116 | 2121 | 2133 | rBV | 325929 | 533566 | 7.39% | 0.608% |
| 24 | 15.775 | 2153 | 2157 | 2161 | rVB3 | 62311 | 87971 | 1.22% | 0.100% |
| 25 | 15.857 | 2167 | 2171 | 2177 | rVB | 119410 | 178841 | 2.48% | 0.204% |
| 26 | 16.010 | 2190 | 2197 | 2204 | rBV | 1980855 | 2896802 | 40.10% | 3.301% |
| 27 | 16.234 | 2230 | 2235 | 2243 | rBV3 | 135314 | 327047 | 4.53% | 0.373% |
| 28 | 16.575 | 2289 | 2293 | 2297 | rVV2 | 66273 | 95659 | 1.32% | 0.109% |
| 29 | 16.622 | 2298 | 2301 | 2306 | rVB3 | 42887 | 72712 | 1.01% | 0.083% |
| 30 | 16.922 | 2347 | 2352 | 2360 | rVB | 262568 | 378955 | 5.25% | 0.432% |
| 31 | 17.022 | 2367 | 2369 | 2373 | rVV | 118240 | 158333 | 2.19% | 0.180% |
| 32 | 17.086 | 2375 | 2380 | 2389 | rVB2 | 246274 | 422795 | 5.85% | 0.482% |
| 33 | 17.269 | 2405 | 2411 | 2414 | rBV | 2023881 | 2893782 | 40.05% | 3.298% |
| 34 | 17.310 | 2414 | 2418 | 2425 | rVV | 4004693 | 5677606 | 78.58% | 6.470% |
| 35 | 17.404 | 2429 | 2434 | 2439 | rVB | 542303 | 777496 | 10.76% | 0.886% |
| 36 | 17.463 | 2440 | 2444 | 2449 | rVV3 | 57831 | 93470 | 1.29% | 0.107% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007213.D
Acq On : 27 Sep 2021 19:32
Operator : CG/JU
Sample : M3946-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** PL-05-092421

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-BP092121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 17.675 | 2473 | 2480 | 2485 | rBV2 | 289712 | 452186 | 6.26% | 0.515% |
| 38 | 17.769 | 2492 | 2496 | 2506 | rBV3 | 120783 | 288549 | 3.99% | 0.329% |
| 39 | 17.851 | 2506 | 2510 | 2518 | rVB4 | 91428 | 163886 | 2.27% | 0.187% |
| 40 | 17.939 | 2520 | 2525 | 2530 | rBV | 808773 | 975873 | 13.51% | 1.112% |
| 41 | 18.139 | 2554 | 2559 | 2563 | rBV | 374397 | 695756 | 9.63% | 0.793% |
| 42 | 18.180 | 2563 | 2566 | 2574 | rVB | 540345 | 762678 | 10.56% | 0.869% |
| 43 | 18.263 | 2576 | 2580 | 2584 | rBV | 109033 | 137301 | 1.90% | 0.156% |
| 44 | 18.328 | 2585 | 2591 | 2594 | rBV3 | 601220 | 975423 | 13.50% | 1.112% |
| 45 | 18.357 | 2594 | 2596 | 2602 | rVB | 249956 | 299700 | 4.15% | 0.342% |
| 46 | 18.439 | 2606 | 2610 | 2613 | rBV2 | 137750 | 164061 | 2.27% | 0.187% |
| 47 | 18.616 | 2636 | 2640 | 2644 | rBV | 330298 | 415459 | 5.75% | 0.473% |
| 48 | 18.663 | 2644 | 2648 | 2654 | rVB | 431848 | 594136 | 8.22% | 0.677% |
| 49 | 18.857 | 2678 | 2681 | 2684 | rBV2 | 64911 | 77337 | 1.07% | 0.088% |
| 50 | 19.039 | 2706 | 2712 | 2714 | rBV3 | 1197949 | 1638606 | 22.68% | 1.867% |
| 51 | 19.069 | 2714 | 2717 | 2721 | rVB | 2472186 | 2710165 | 37.51% | 3.088% |
| 52 | 19.163 | 2729 | 2733 | 2736 | rBV2 | 272016 | 396870 | 5.49% | 0.452% |
| 53 | 19.198 | 2736 | 2739 | 2744 | rVB | 579420 | 626139 | 8.67% | 0.714% |
| 54 | 19.280 | 2747 | 2753 | 2759 | rVV | 5347501 | 7224822 | 100.00% | 8.233% |
| 55 | 19.375 | 2766 | 2769 | 2772 | rVB2 | 109465 | 131938 | 1.83% | 0.150% |
| 56 | 19.422 | 2775 | 2777 | 2781 | rVB | 114983 | 127995 | 1.77% | 0.146% |
| 57 | 19.604 | 2803 | 2808 | 2809 | rBV | 769722 | 1043887 | 14.45% | 1.190% |
| 58 | 19.633 | 2809 | 2813 | 2820 | rVB | 4307984 | 5616315 | 77.74% | 6.400% |
| 59 | 19.698 | 2821 | 2824 | 2832 | rVB2 | 186719 | 279993 | 3.88% | 0.319% |
| 60 | 19.827 | 2839 | 2846 | 2850 | rBV | 3022813 | 4037789 | 55.89% | 4.601% |
| 61 | 19.951 | 2862 | 2867 | 2872 | rBV3 | 202148 | 467778 | 6.47% | 0.533% |
| 62 | 20.080 | 2884 | 2889 | 2891 | rBV4 | 225652 | 440048 | 6.09% | 0.501% |
| 63 | 20.116 | 2892 | 2895 | 2900 | rVB | 502636 | 676146 | 9.36% | 0.771% |
| 64 | 20.210 | 2908 | 2911 | 2915 | rBV2 | 293401 | 315725 | 4.37% | 0.360% |
| 65 | 20.845 | 3016 | 3019 | 3027 | rVB | 449346 | 709752 | 9.82% | 0.809% |
| 66 | 21.045 | 3050 | 3053 | 3057 | rBV2 | 308919 | 488046 | 6.76% | 0.556% |
| 67 | 21.133 | 3066 | 3068 | 3072 | rVB | 441778 | 481172 | 6.66% | 0.548% |
| 68 | 21.351 | 3099 | 3105 | 3109 | rBV3 | 2988072 | 5858978 | 81.10% | 6.677% |
| 69 | 21.392 | 3109 | 3112 | 3121 | rVB | 2241417 | 2929150 | 40.54% | 3.338% |
| 70 | 23.039 | 3386 | 3392 | 3397 | rBV | 1678262 | 4059129 | 56.18% | 4.626% |
| 71 | 23.663 | 3493 | 3498 | 3508 | rVB | 1529853 | 3012622 | 41.70% | 3.433% |
| 72 | 23.774 | 3512 | 3517 | 3522 | rVV2 | 1285960 | 2451156 | 33.93% | 2.793% |

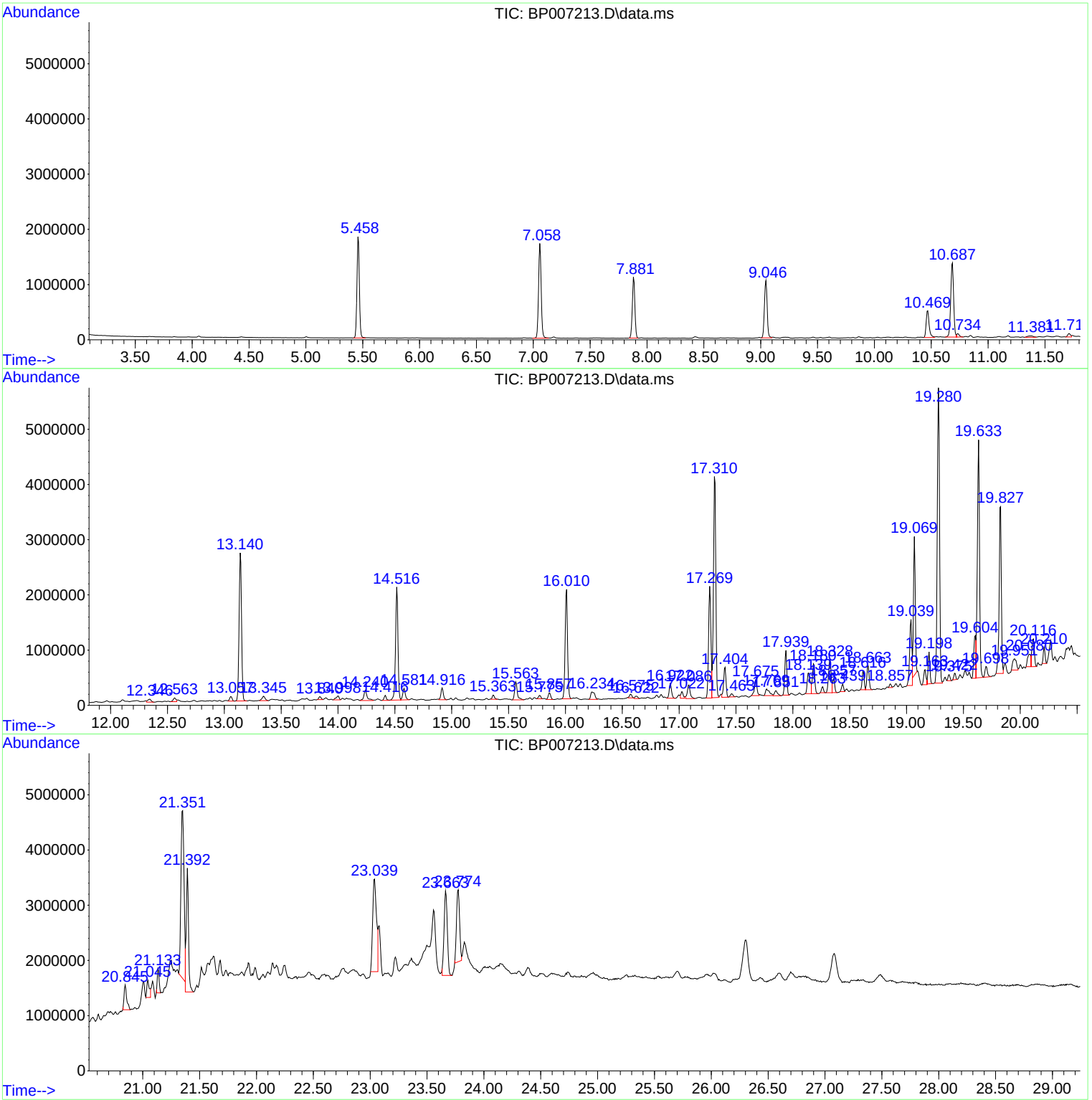
Sum of corrected areas: 87752950

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007213.D
Acq On : 27 Sep 2021 19:32
Operator : CG/JU
Sample : M3946-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PL-05-092421

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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\BP092721\
Data File : BP007213.D
Acq On : 27 Sep 2021 19:32
Operator : CG/JU
Sample : M3946-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PL-05-092421

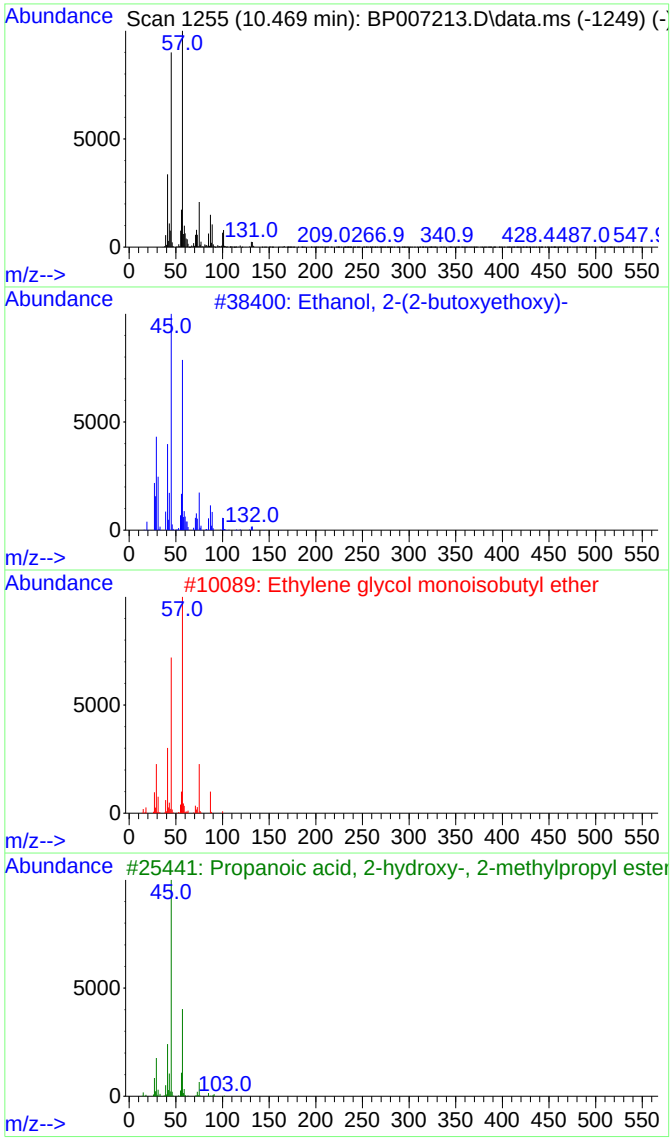
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

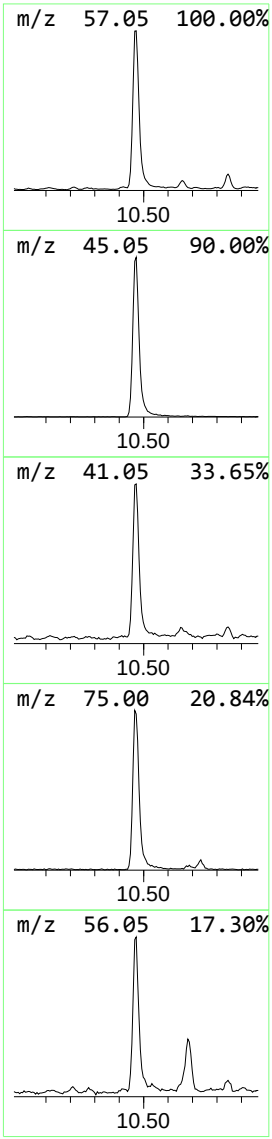
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.469 | 7.41 ng | 883697 | Naphthalene-d8 | 10.687 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-(2-butoxyethoxy)- | 162 | C8H18O3 | 000112-34-5 | 90 |
| 2 | Ethylene glycol monoisobutyl ether | 118 | C6H14O2 | 004439-24-1 | 64 |
| 3 | Propanoic acid, 2-hydroxy-, 2-me... | 146 | C7H14O3 | 000585-24-0 | 59 |
| 4 | Ethanol, 2-[2-(2-methylpropoxy)e... | 162 | C8H18O3 | 018912-80-6 | 56 |
| 5 | Pentaethylene glycol | 238 | C10H22O6 | 004792-15-8 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007213.D
Acq On : 27 Sep 2021 19:32
Operator : CG/JU
Sample : M3946-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PL-05-092421

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

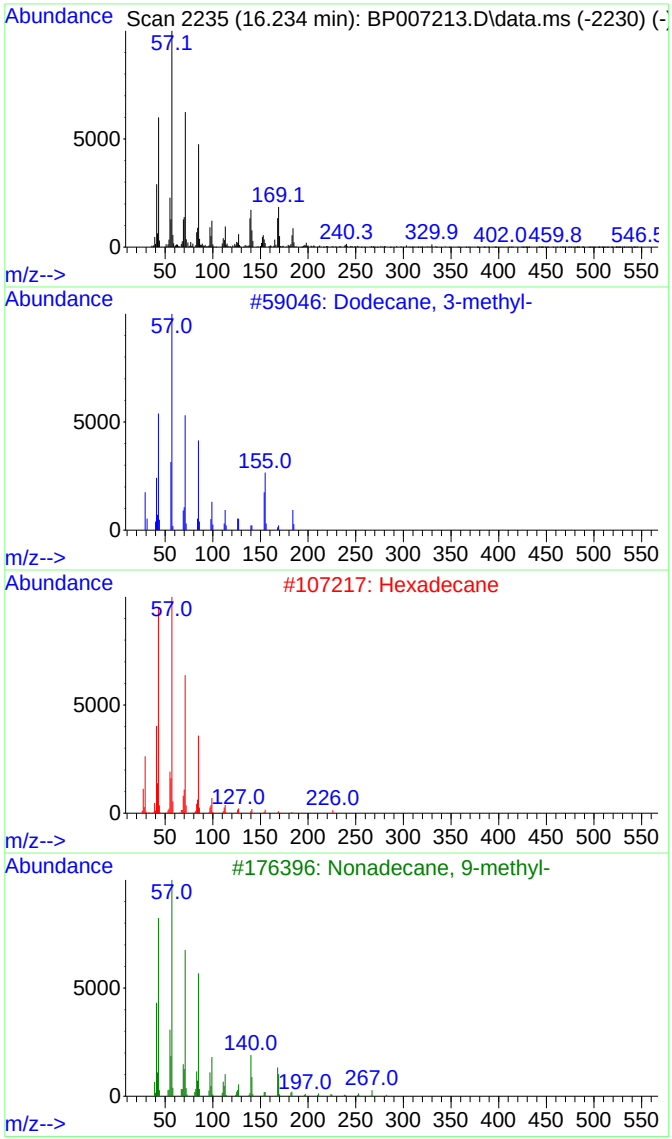
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

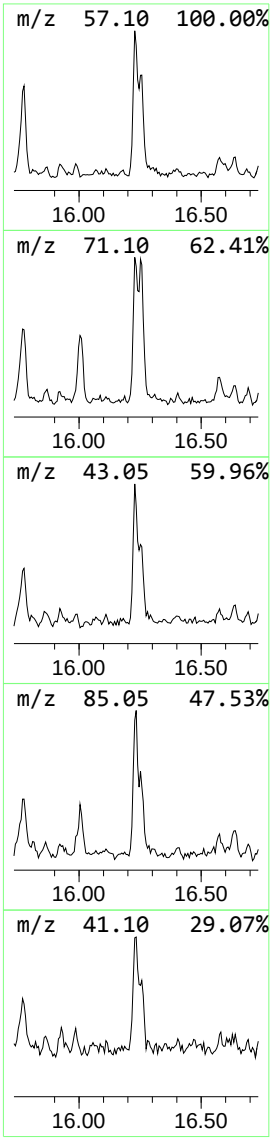
**********

Peak Number 4 Dodecane, 3-methyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.233 | 2.26 ng | 327047 | Phenanthrene-d10 | 17.269 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane, 3-methyl- | 184 | C13H28 | 017312-57-1 | 86 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 78 |
| 3 | Nonadecane, 9-methyl- | 282 | C20H42 | 013287-24-6 | 74 |
| 4 | Dodecane | 170 | C12H26 | 000112-40-3 | 70 |
| 5 | Tridecane | 184 | C13H28 | 000629-50-5 | 70 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007213.D
Acq On : 27 Sep 2021 19:32
Operator : CG/JU
Sample : M3946-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PL-05-092421

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

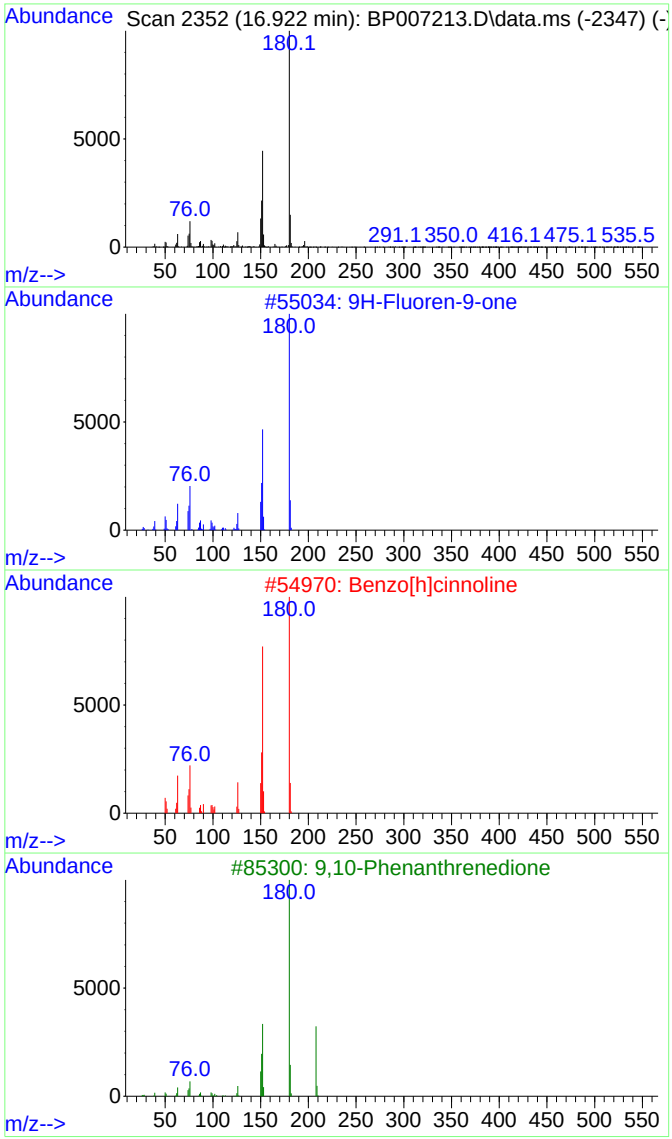
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

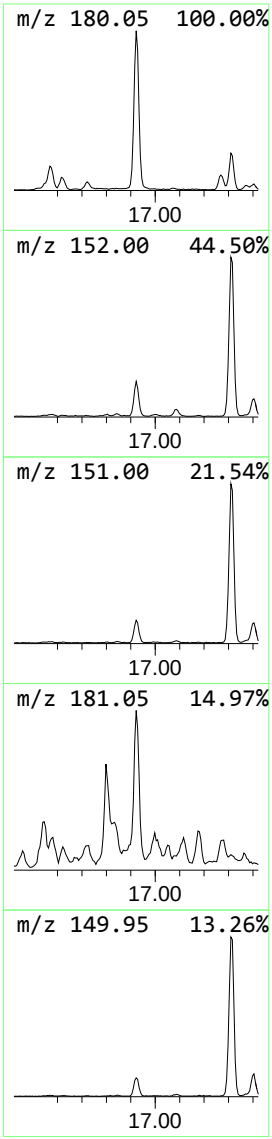
**********

Peak Number 5 9H-Fluoren-9-one Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.922 | 2.62 ng | 378955 | Phenanthrene-d10 | 17.269 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 96 |
| 2 | Benzo[h]cinnoline | 180 | C12H8N2 | 000230-31-9 | 91 |
| 3 | 9,10-Phenanthrenedione | 208 | C14H8O2 | 000084-11-7 | 91 |
| 4 | Diphenic anhydride | 224 | C14H8O3 | 006050-13-1 | 83 |
| 5 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 78 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007213.D
Acq On : 27 Sep 2021 19:32
Operator : CG/JU
Sample : M3946-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PL-05-092421

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

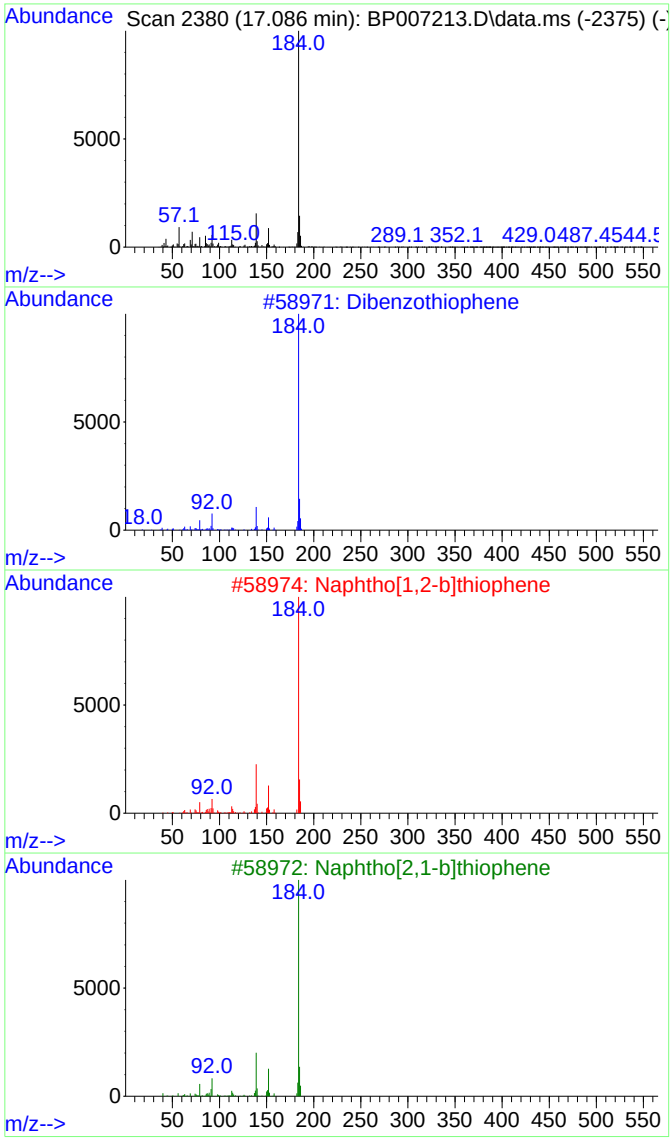
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

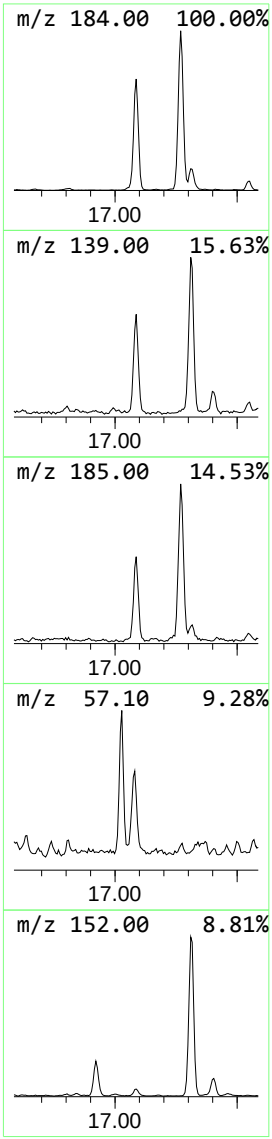
**********

Peak Number 6 Dibenzothiophene Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.086 | 2.92 ng | 422795 | Phenanthrene-d10 | 17.269 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 94 |
| 2 | Naphtho[1,2-b]thiophene | 184 | C12H8S | 000234-41-3 | 93 |
| 3 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 93 |
| 4 | Azuleno(2,1-b)thiophene | 184 | C12H8S | 000248-13-5 | 90 |
| 5 | Naphtho[2,3-b]thiophene | 184 | C12H8S | 000268-77-9 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007213.D
Acq On : 27 Sep 2021 19:32
Operator : CG/JU
Sample : M3946-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PL-05-092421

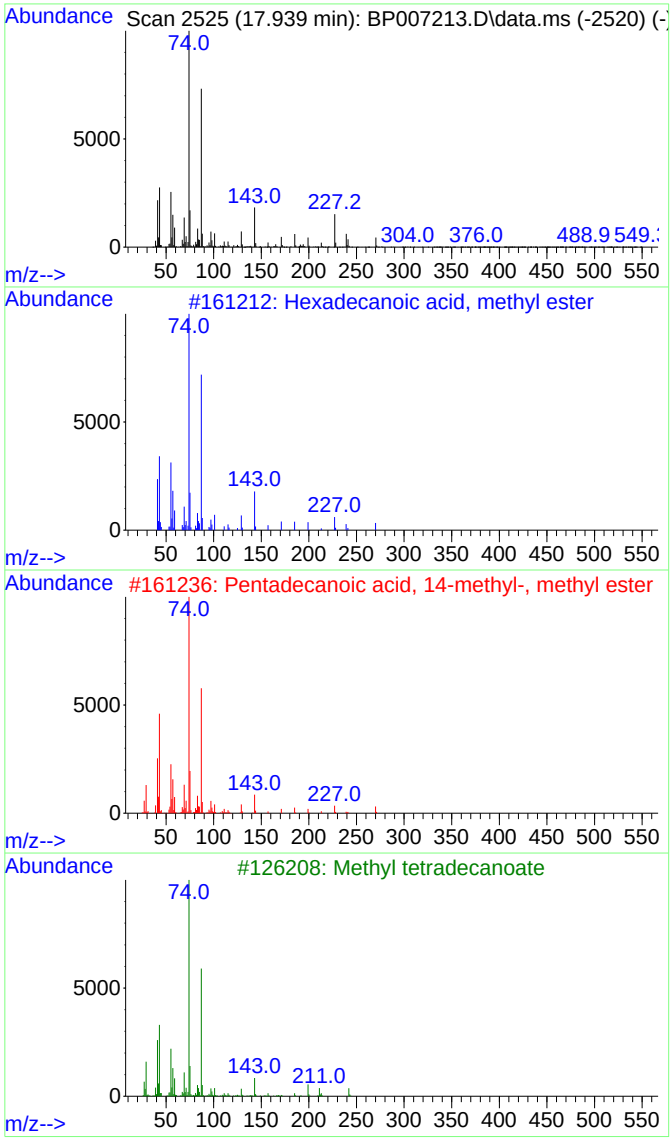
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

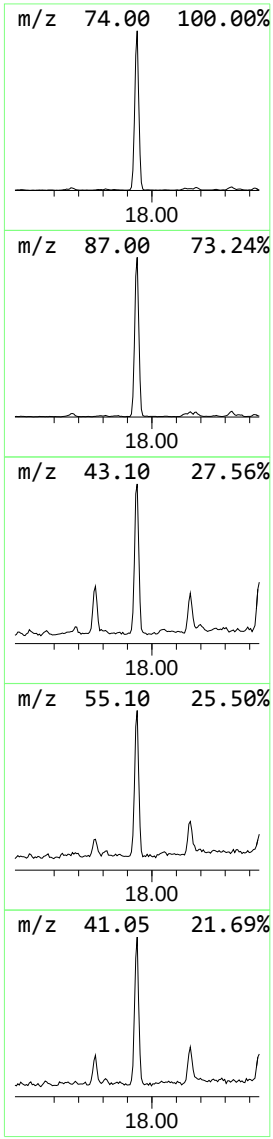
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Hexadecanoic acid, methyl e... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.939 | 6.74 ng | 975873 | Phenanthrene-d10 | 17.269 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecanoic acid, methyl ester | 270 | C17H34O2 | 000112-39-0 | 98 |
| 2 | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 95 |
| 3 | Methyl tetradecanoate | 242 | C15H30O2 | 000124-10-7 | 91 |
| 4 | Tridecanoic acid, methyl ester | 228 | C14H28O2 | 001731-88-0 | 90 |
| 5 | Decanoic acid, methyl ester | 186 | C11H22O2 | 000110-42-9 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007213.D
Acq On : 27 Sep 2021 19:32
Operator : CG/JU
Sample : M3946-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PL-05-092421

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

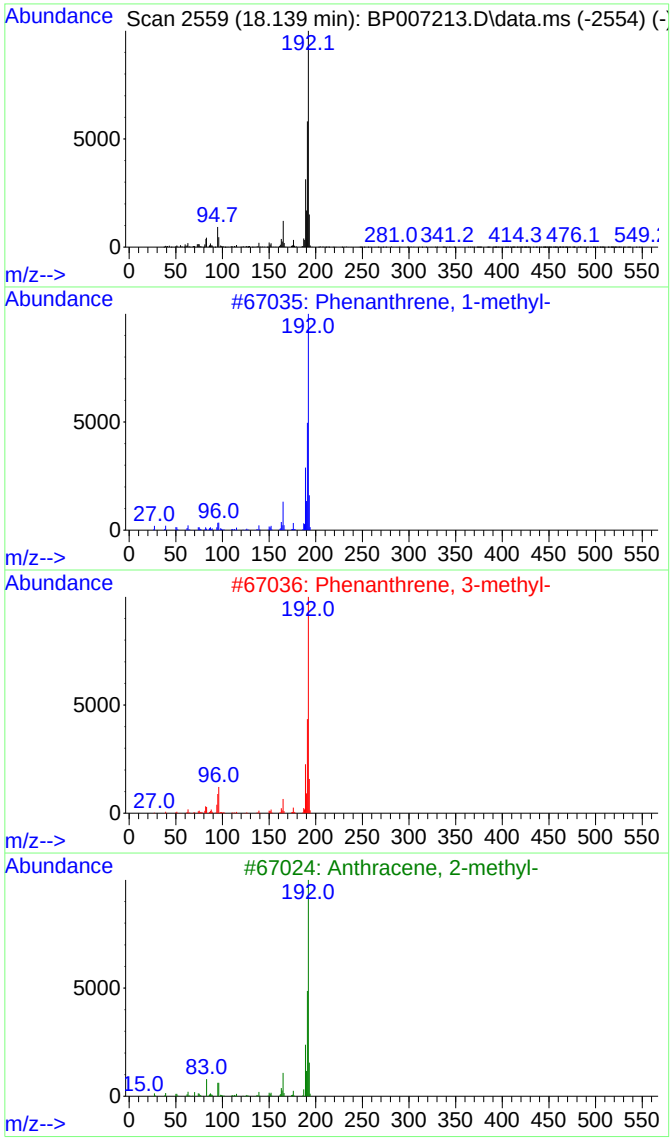
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

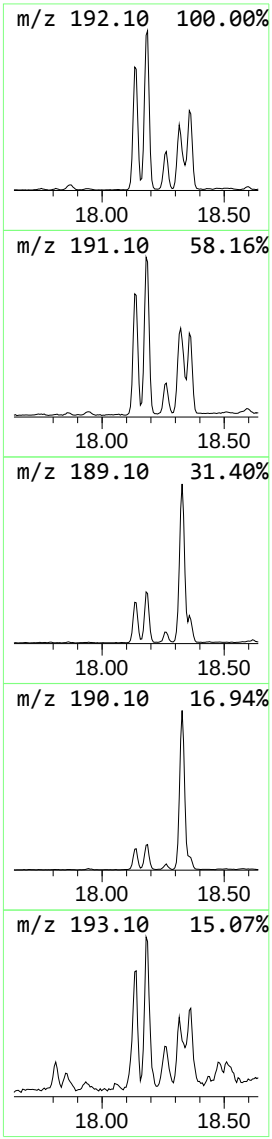
**********

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.139 | 4.81 ng | 695756 | Phenanthrene-d10 | 17.269 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 2 | Phenanthrene, 3-methyl- | 192 | C15H12 | 000832-71-3 | 93 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 91 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 91 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 90 |



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Data File : BP007213.D
Acq On : 27 Sep 2021 19:32
Operator : CG/JU
Sample : M3946-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** PL-05-092421

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

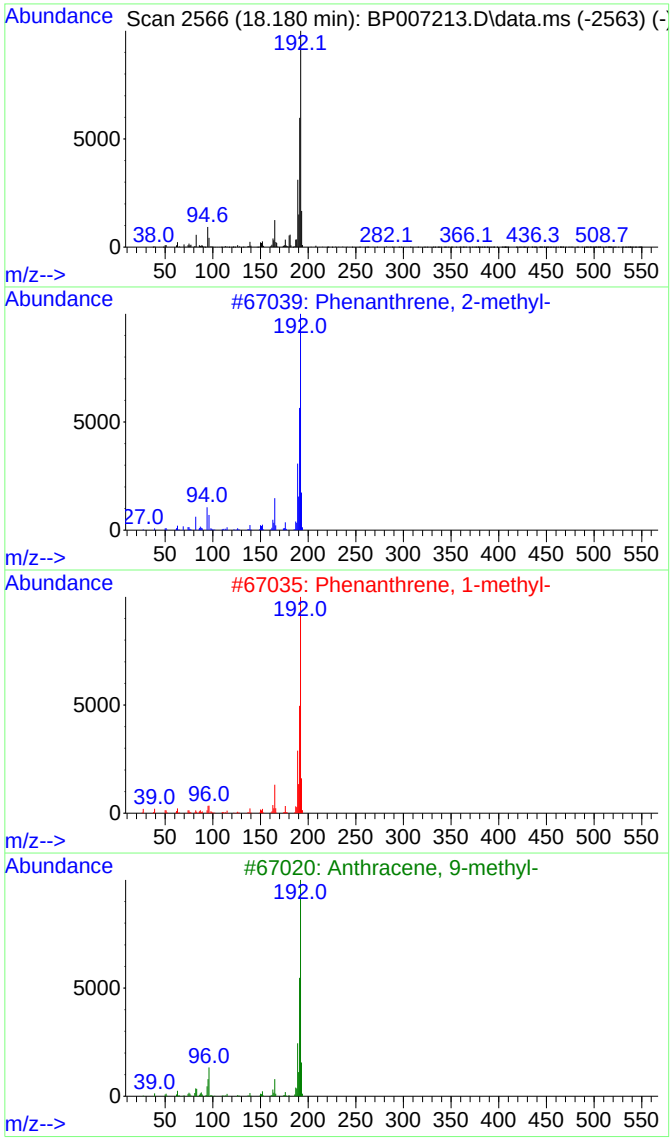
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

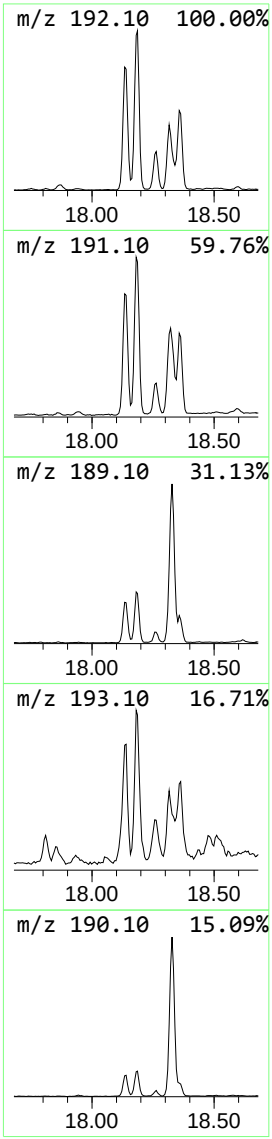
**********

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.180 | 5.27 ng | 762678 | Phenanthrene-d10 | 17.269 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 95 |
| 3 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 94 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 90 |



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Data File : BP007213.D
Acq On : 27 Sep 2021 19:32
Operator : CG/JU
Sample : M3946-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** PL-05-092421

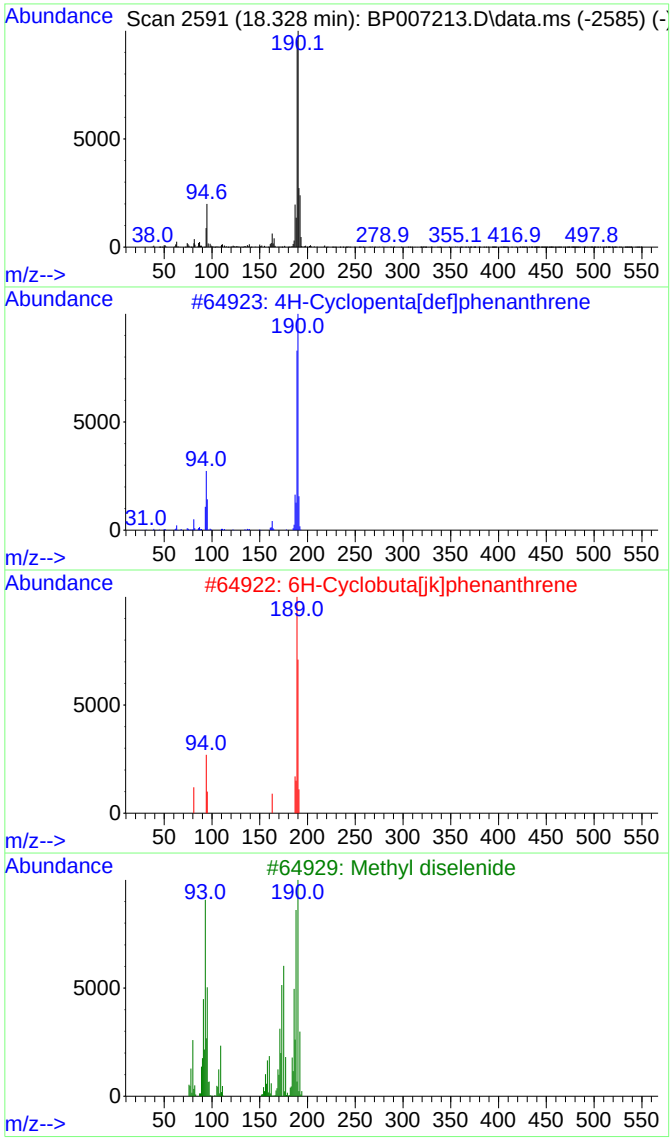
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

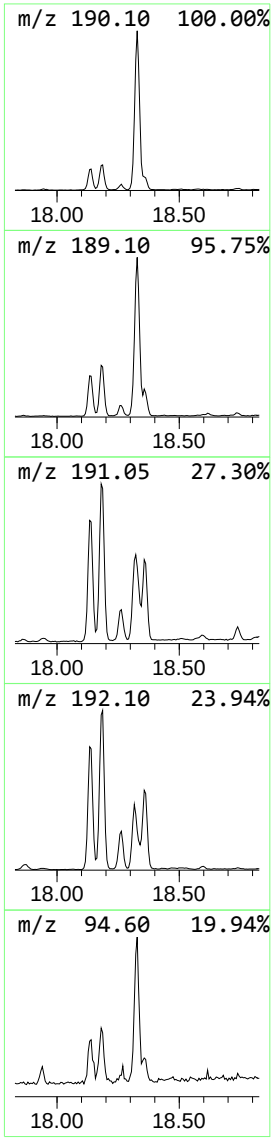
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.328 | 6.74 ng | 975423 | Phenanthrene-d10 | 17.269 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 94 |
| 2 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 50 |
| 3 | Methyl diselenide | 190 | C2H6Se2 | 007101-31-7 | 49 |
| 4 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 45 |
| 5 | 1,4-Naphthalenedione, 2,5-dihydr... | 190 | C10H6O4 | 004923-55-1 | 17 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007213.D
Acq On : 27 Sep 2021 19:32
Operator : CG/JU
Sample : M3946-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PL-05-092421

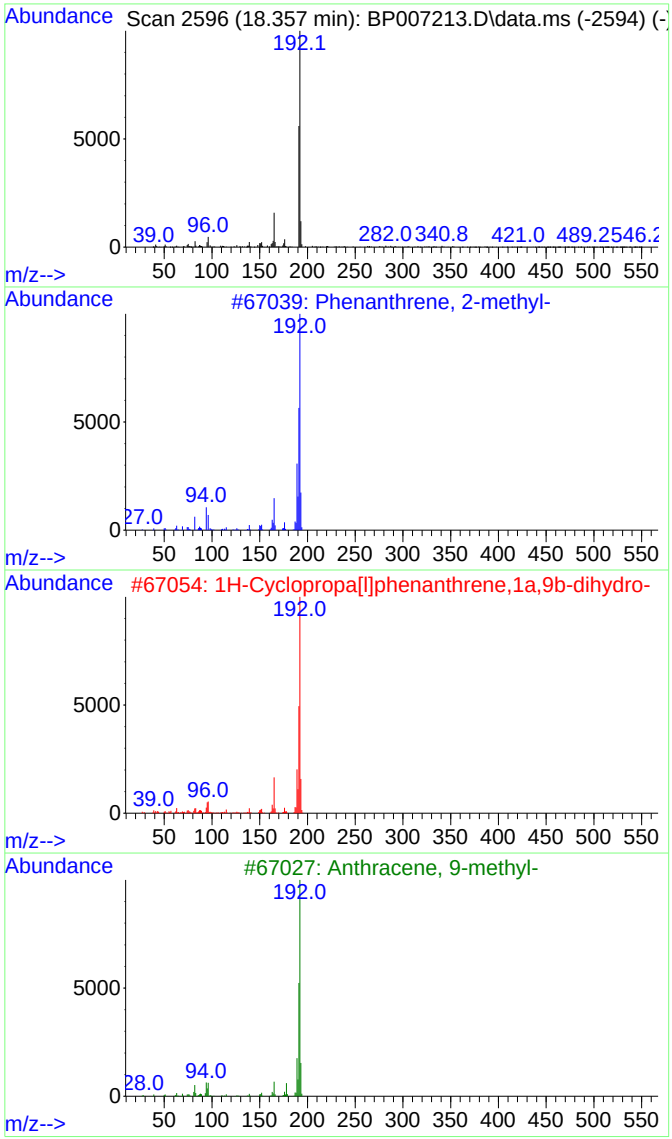
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

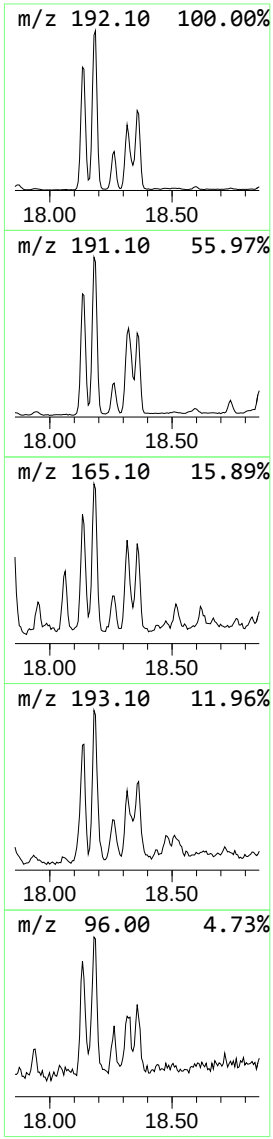
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.357 | 2.07 ng | 299700 | Phenanthrene-d10 | 17.269 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 91 |
| 2 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 91 |
| 3 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 91 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 90 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007213.D
Acq On : 27 Sep 2021 19:32
Operator : CG/JU
Sample : M3946-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PL-05-092421

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

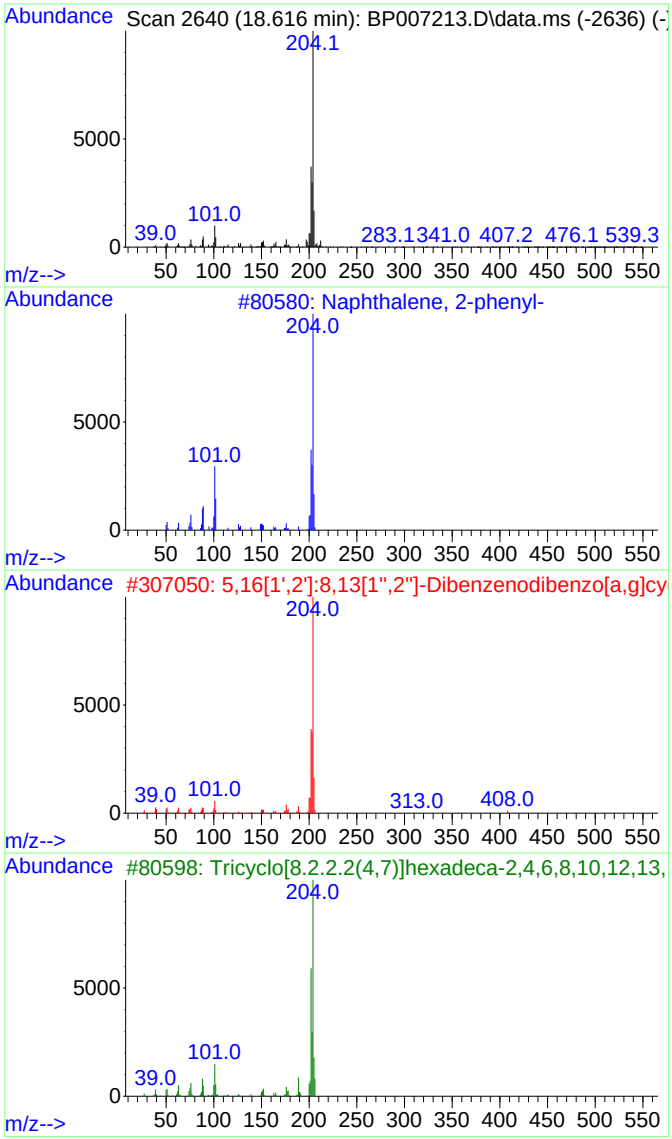
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

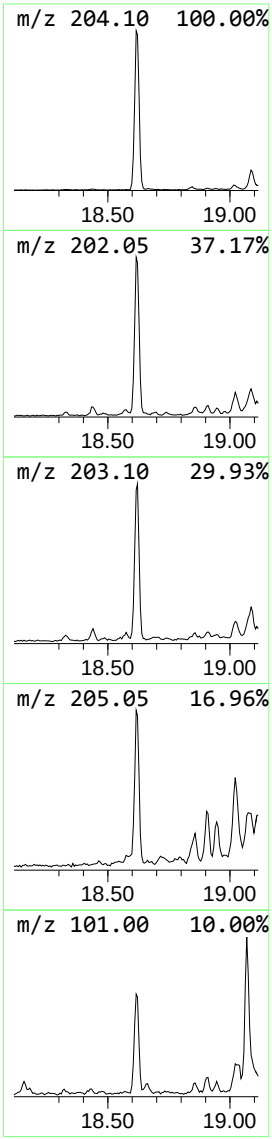
**********

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.616 | 2.87 ng | 415459 | Phenanthrene-d10 | 17.269 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 90 |
| 2 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 78 |
| 3 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 68 |
| 4 | Benzene, 1,1'-(1-buten-3-yne-1,4... | 204 | C16H12 | 013141-45-2 | 58 |
| 5 | Naphthalene, 1-phenyl- | 204 | C16H12 | 000605-02-7 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007213.D
Acq On : 27 Sep 2021 19:32
Operator : CG/JU
Sample : M3946-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** PL-05-092421

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

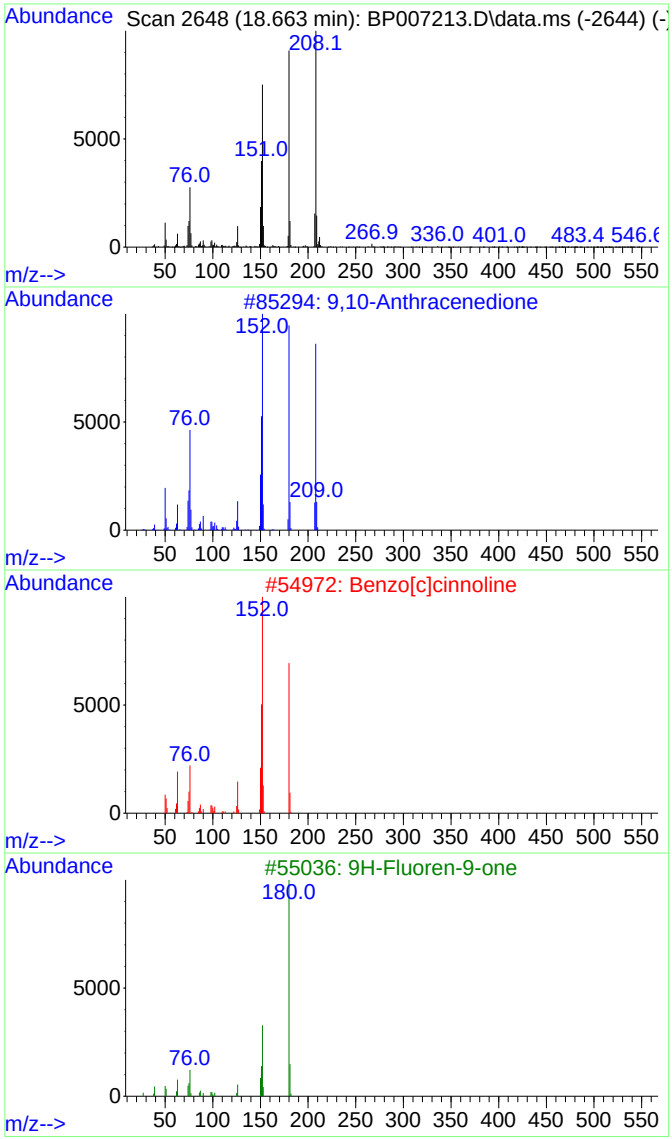
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

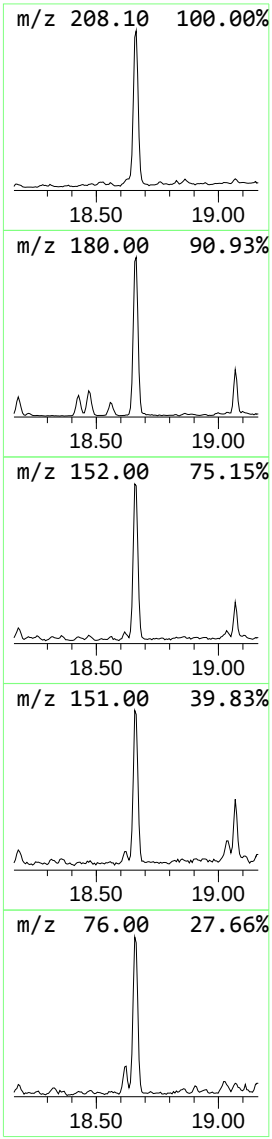
**********

Peak Number 13 9,10-Anthracenedione Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.663 | 4.11 ng | 594136 | Phenanthrene-d10 | 17.269 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 98 |
| 2 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 64 |
| 3 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 62 |
| 4 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 60 |
| 5 | Benzo[h]cinnoline | 180 | C12H8N2 | 000230-31-9 | 60 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007213.D
Acq On : 27 Sep 2021 19:32
Operator : CG/JU
Sample : M3946-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PL-05-092421

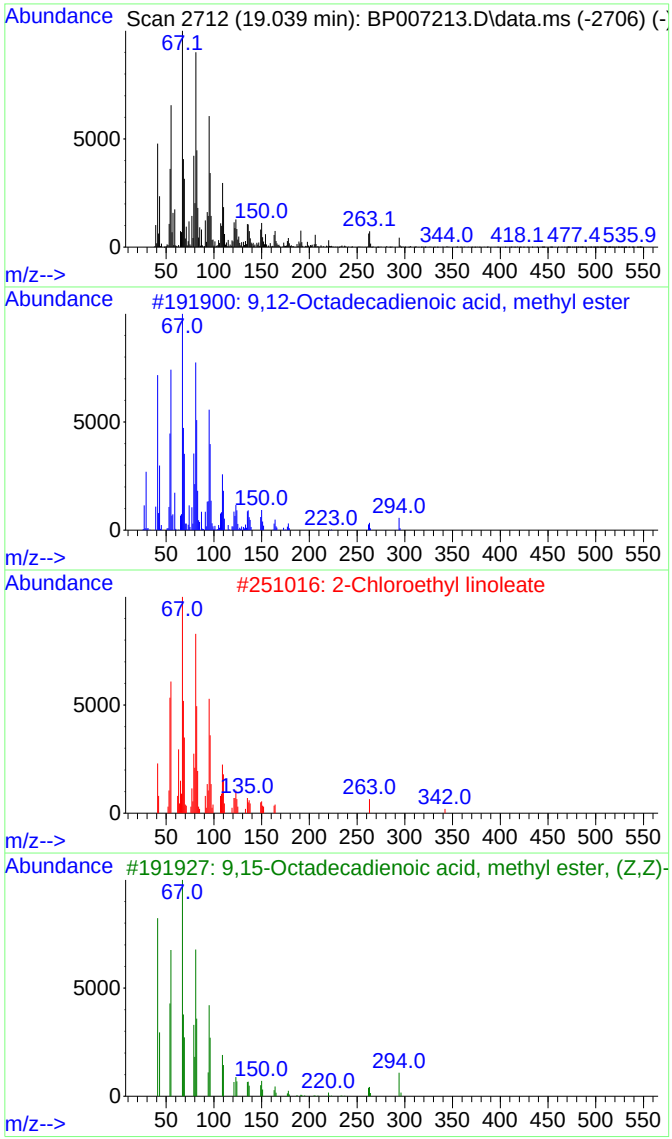
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

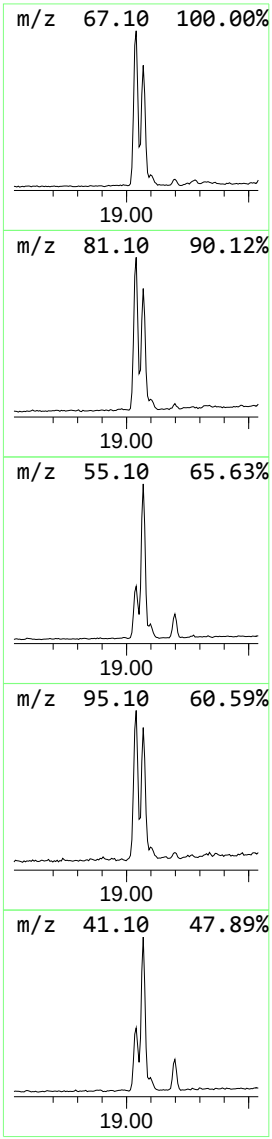
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 9,12-Octadecadienoic acid, ... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.039 | 11.32 ng | 1638610 | Phenanthrene-d10 | 17.269 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002462-85-3 | 99 |
| 2 | 2-Chloroethyl linoleate | 342 | C20H35ClO2 | 025525-76-2 | 99 |
| 3 | 9,15-Octadecadienoic acid, methy... | 294 | C19H34O2 | 017309-05-6 | 99 |
| 4 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002566-97-4 | 99 |
| 5 | 8,11-Octadecadienoic acid, methy... | 294 | C19H34O2 | 056599-58-7 | 98 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007213.D
Acq On : 27 Sep 2021 19:32
Operator : CG/JU
Sample : M3946-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** PL-05-092421

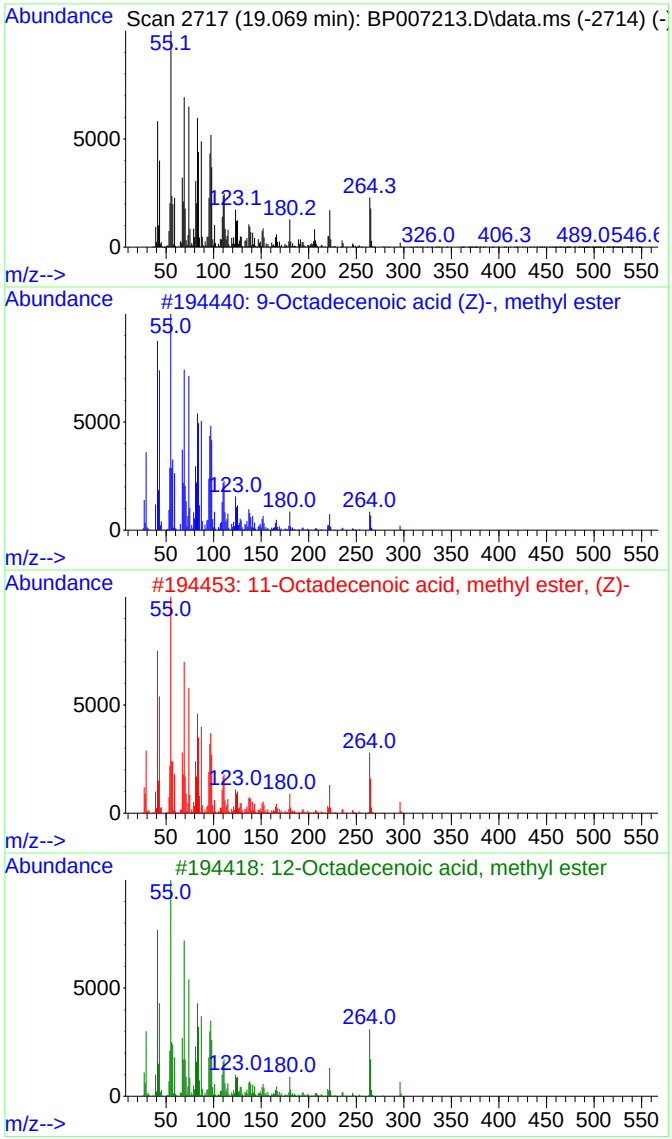
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

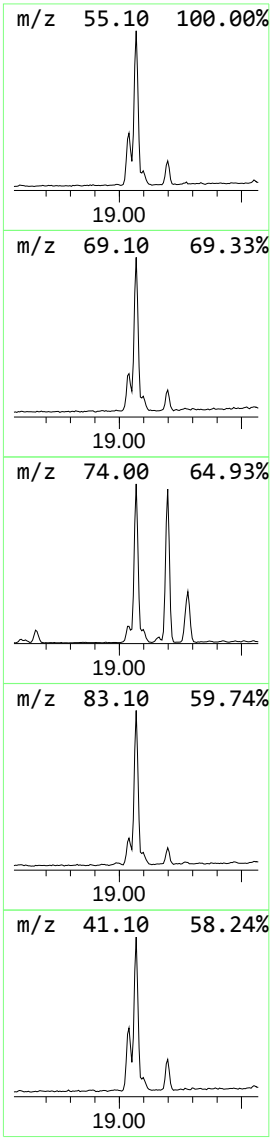
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 9-Octadecenoic acid (Z)-, m... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.069 | 18.73 ng | 2710170 | Phenanthrene-d10 | 17.269 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Octadecenoic acid (Z)-, methyl... | 296 | C19H36O2 | 000112-62-9 | 99 |
| 2 | 11-Octadecenoic acid, methyl est... | 296 | C19H36O2 | 001937-63-9 | 99 |
| 3 | 12-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-46-2 | 99 |
| 4 | 15-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 004764-72-1 | 99 |
| 5 | 13-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-47-3 | 99 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007213.D
Acq On : 27 Sep 2021 19:32
Operator : CG/JU
Sample : M3946-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** PL-05-092421

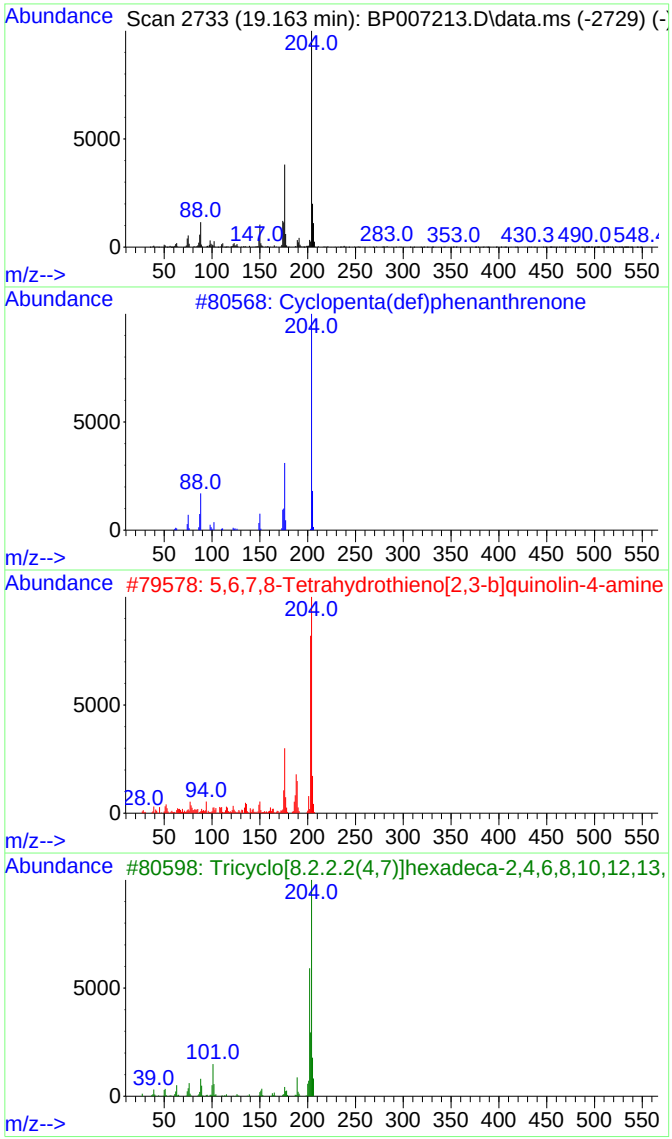
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

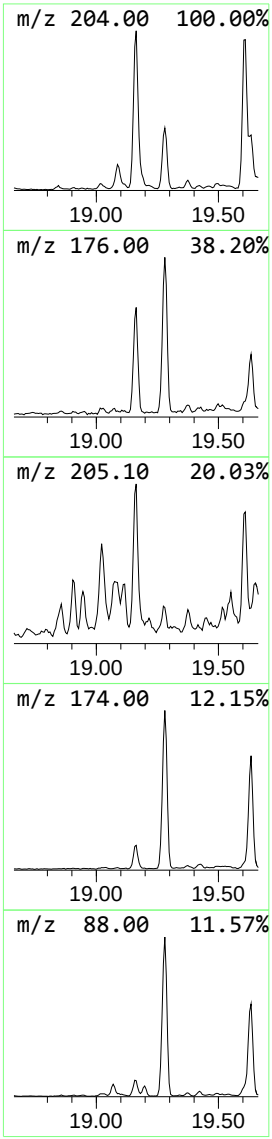
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.163 | 2.74 ng | 396870 | Phenanthrene-d10 | 17.269 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 94 |
| 2 | 5,6,7,8-Tetrahydrothieno[2,3-b]q... | 204 | C11H12N2S | 122914-50-5 | 64 |
| 3 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 50 |
| 4 | Ethyl 3-amino-4,6-dimethylthieno... | 250 | C12H14N2O2S | 052505-56-3 | 45 |
| 5 | Multifidin, 4TMS derivative | 547 | C23H49NO6Si4 | 1000480-87-0 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007213.D
Acq On : 27 Sep 2021 19:32
Operator : CG/JU
Sample : M3946-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** PL-05-092421

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

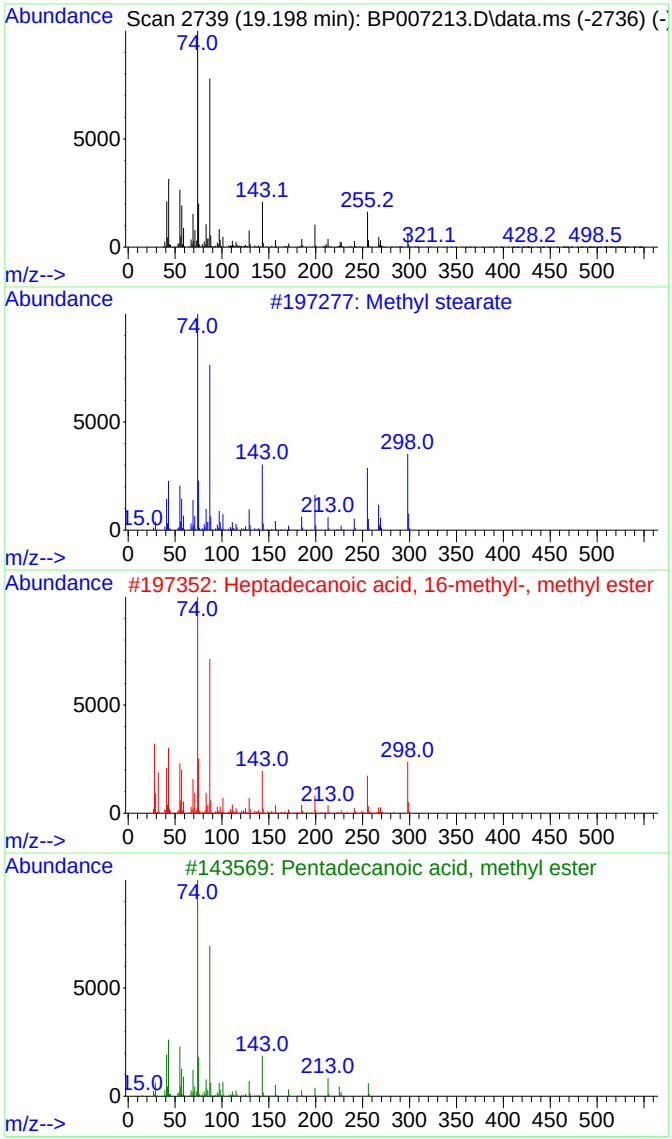
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

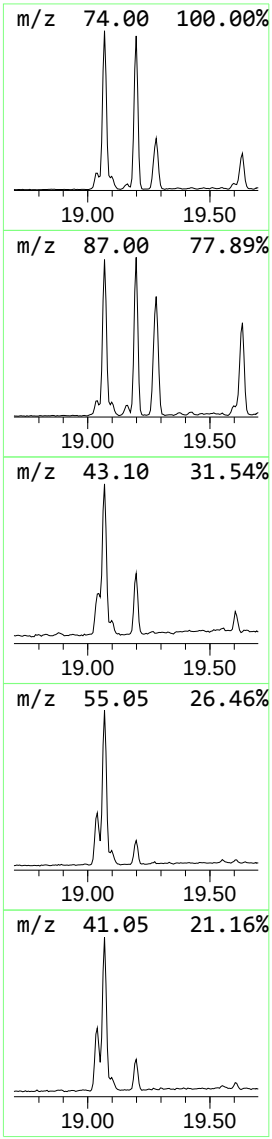
**********

Peak Number 17 Methyl stearate Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.198 | 4.33 ng | 626139 | Phenanthrene-d10 | 17.269 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methyl stearate | 298 | C19H38O2 | 000112-61-8 | 97 |
| 2 | Heptadecanoic acid, 16-methyl-, ... | 298 | C19H38O2 | 005129-61-3 | 92 |
| 3 | Pentadecanoic acid, methyl ester | 256 | C16H32O2 | 007132-64-1 | 87 |
| 4 | Hexadecanoic acid, methyl ester | 270 | C17H34O2 | 000112-39-0 | 83 |
| 5 | Methyl tetradecanoate | 242 | C15H30O2 | 000124-10-7 | 80 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007213.D
Acq On : 27 Sep 2021 19:32
Operator : CG/JU
Sample : M3946-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PL-05-092421

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

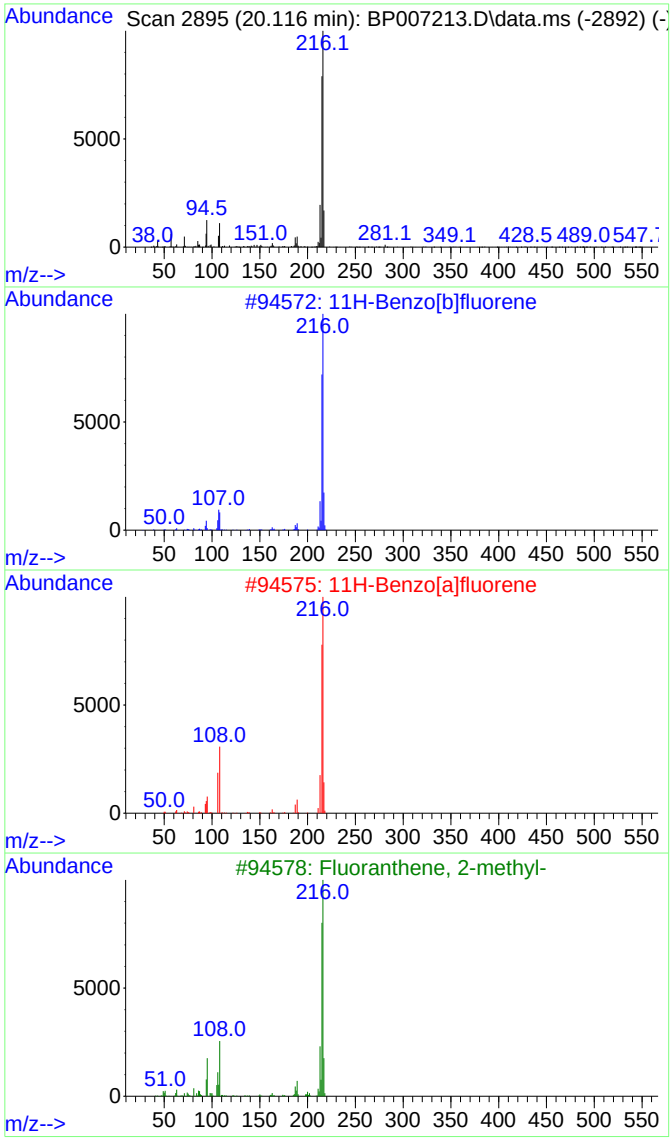
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

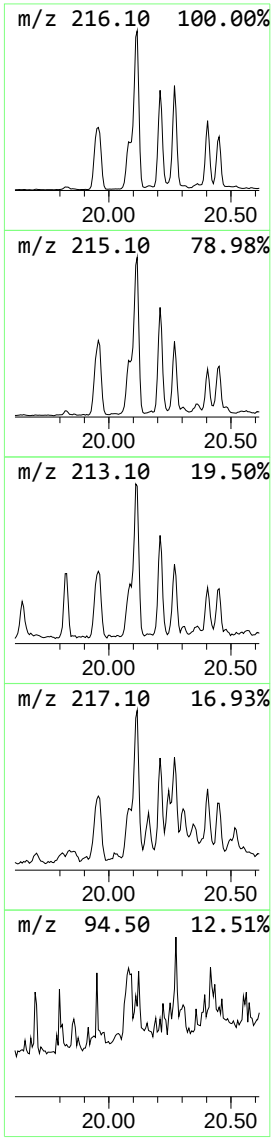
**********

Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.116 | 2.31 ng | 676146 | Chrysene-d12 | 21.357 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 94 |
| 2 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 87 |
| 3 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 74 |
| 4 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 64 |
| 5 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 60 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007213.D
Acq On : 27 Sep 2021 19:32
Operator : CG/JU
Sample : M3946-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PL-05-092421

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

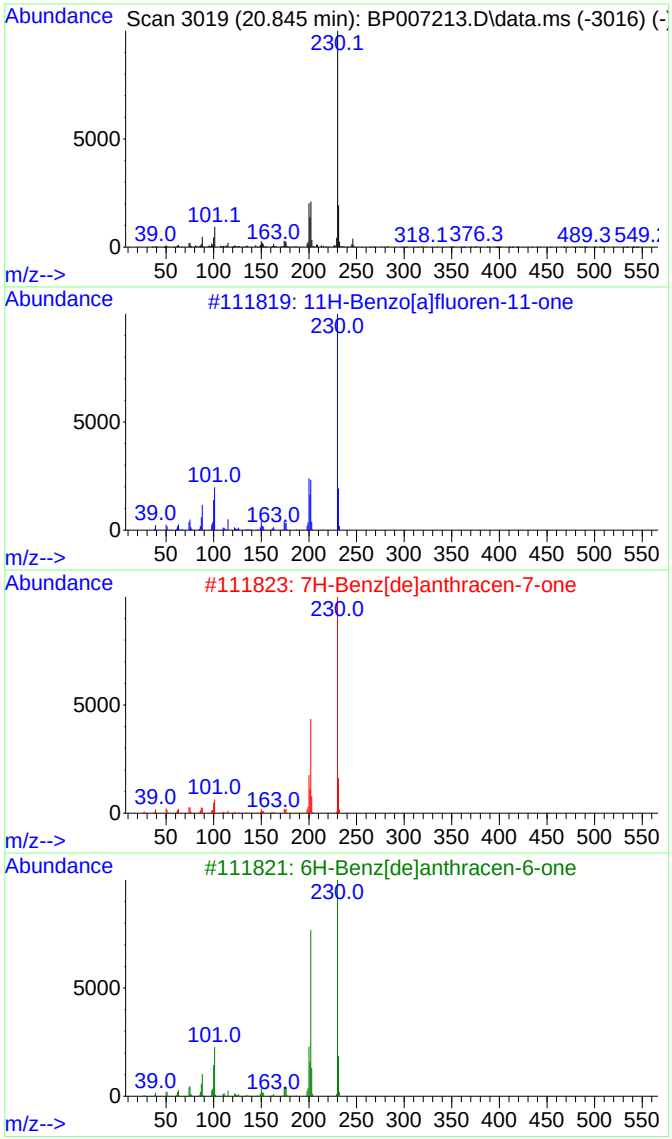
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

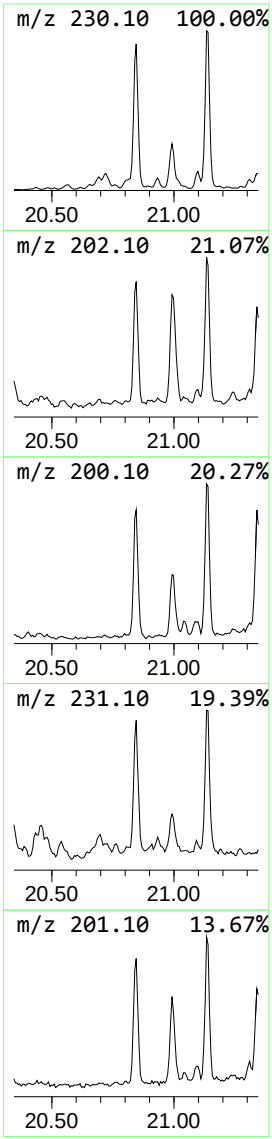
**********

Peak Number 19 11H-Benzo[a]fluoren-11-one Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.845 | 2.42 ng | 709752 | Chrysene-d12 | 21.357 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 94 |
| 2 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 90 |
| 3 | 6H-Benz[de]anthracen-6-one | 230 | C17H10O | 080252-14-8 | 64 |
| 4 | o-Terphenyl | 230 | C18H14 | 000084-15-1 | 64 |
| 5 | Dibenzo[c,h][2,6]naphthyridine | 230 | C16H10N2 | 000218-30-4 | 59 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007213.D
Acq On : 27 Sep 2021 19:32
Operator : CG/JU
Sample : M3946-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** PL-05-092421

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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 |
| Ethanol, 2-(2-b... | 10.469 | 7.4 | ng | 883697 | 2 | 10.687 | 2385550 | 20.0 |
| Dodecane, 3-met... | 16.233 | 2.3 | ng | 327047 | 4 | 17.269 | 2893780 | 20.0 |
| 9H-Fluoren-9-one | 16.922 | 2.6 | ng | 378955 | 4 | 17.269 | 2893780 | 20.0 |
| Dibenzothiophene | 17.086 | 2.9 | ng | 422795 | 4 | 17.269 | 2893780 | 20.0 |
| Hexadecanoic ac... | 17.939 | 6.7 | ng | 975873 | 4 | 17.269 | 2893780 | 20.0 |
| Phenanthrene, 1... | 18.139 | 4.8 | ng | 695756 | 4 | 17.269 | 2893780 | 20.0 |
| Phenanthrene, 2... | 18.180 | 5.3 | ng | 762678 | 4 | 17.269 | 2893780 | 20.0 |
| 4H-Cyclopenta[d... | 18.328 | 6.7 | ng | 975423 | 4 | 17.269 | 2893780 | 20.0 |
| 1H-Cyclopropa[l... | 18.357 | 2.1 | ng | 299700 | 4 | 17.269 | 2893780 | 20.0 |
| Naphthalene, 2-... | 18.616 | 2.9 | ng | 415459 | 4 | 17.269 | 2893780 | 20.0 |
| 9,10-Anthracene... | 18.663 | 4.1 | ng | 594136 | 4 | 17.269 | 2893780 | 20.0 |
| 9,12-Octadecadi... | 19.039 | 11.3 | ng | 1638610 | 4 | 17.269 | 2893780 | 20.0 |
| 9-Octadecenoic ... | 19.069 | 18.7 | ng | 2710170 | 4 | 17.269 | 2893780 | 20.0 |
| Cyclopenta(def)... | 19.163 | 2.7 | ng | 396870 | 4 | 17.269 | 2893780 | 20.0 |
| Methyl stearate | 19.198 | 4.3 | ng | 626139 | 4 | 17.269 | 2893780 | 20.0 |
| 11H-Benzo[b]flu... | 20.116 | 2.3 | ng | 676146 | 5 | 21.357 | 5858980 | 20.0 |
| 11H-Benzo[a]flu... | 20.845 | 2.4 | ng | 709752 | 5 | 21.357 | 5858980 | 20.0 |