LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100521\
Data File : BP007346.D
Acq On : 06 Oct 2021 02:52
Operator : CG/JU
Sample : M4067-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** SU-02-100421

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: BP007346.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.446 | 394 | 401 | 420 | rBV | 1116937 | 1766572 | 12.35% | 0.903% |
| 2 | 7.046 | 665 | 673 | 690 | rBV | 943317 | 1695762 | 11.86% | 0.867% |
| 3 | 7.863 | 803 | 812 | 821 | rBV | 661186 | 1080547 | 7.56% | 0.552% |
| 4 | 8.399 | 896 | 903 | 916 | rBV | 69630 | 159055 | 1.11% | 0.081% |
| 5 | 9.028 | 1003 | 1010 | 1019 | rBV | 599785 | 1078476 | 7.54% | 0.551% |
| 6 | 10.457 | 1245 | 1253 | 1264 | rBV2 | 106515 | 262953 | 1.84% | 0.134% |
| 7 | 10.663 | 1276 | 1288 | 1294 | rBV | 838773 | 1475022 | 10.32% | 0.754% |
| 8 | 12.181 | 1539 | 1546 | 1558 | rVB6 | 47279 | 143785 | 1.01% | 0.074% |
| 9 | 13.122 | 1699 | 1706 | 1716 | rBV | 1571574 | 2418199 | 16.91% | 1.236% |
| 10 | 13.663 | 1793 | 1798 | 1807 | rBV3 | 75028 | 203422 | 1.42% | 0.104% |
| 11 | 13.822 | 1819 | 1825 | 1830 | rBV | 157398 | 273282 | 1.91% | 0.140% |
| 12 | 13.957 | 1843 | 1848 | 1855 | rVB2 | 193200 | 356259 | 2.49% | 0.182% |
| 13 | 14.222 | 1886 | 1893 | 1905 | rBV | 1777324 | 2907580 | 20.33% | 1.486% |
| 14 | 14.392 | 1917 | 1922 | 1928 | rBV | 104587 | 146028 | 1.02% | 0.075% |
| 15 | 14.498 | 1930 | 1940 | 1946 | rVV | 1300648 | 1969974 | 13.78% | 1.007% |
| 16 | 14.563 | 1946 | 1951 | 1958 | rVB | 193194 | 330442 | 2.31% | 0.169% |
| 17 | 14.704 | 1971 | 1975 | 1983 | rVB4 | 64207 | 152020 | 1.06% | 0.078% |
| 18 | 14.898 | 2003 | 2008 | 2015 | rVB | 264840 | 390369 | 2.73% | 0.200% |
| 19 | 15.110 | 2037 | 2044 | 2049 | rBV3 | 138416 | 333634 | 2.33% | 0.171% |
| 20 | 15.286 | 2067 | 2074 | 2077 | rBV4 | 73923 | 167038 | 1.17% | 0.085% |
| 21 | 15.345 | 2081 | 2084 | 2086 | rVV | 132837 | 185254 | 1.30% | 0.095% |
| 22 | 15.369 | 2086 | 2088 | 2095 | rVB | 179312 | 234609 | 1.64% | 0.120% |
| 23 | 15.545 | 2113 | 2118 | 2130 | rVB | 557121 | 1051130 | 7.35% | 0.537% |
| 24 | 15.751 | 2149 | 2153 | 2163 | rVB2 | 181020 | 320025 | 2.24% | 0.164% |
| 25 | 15.839 | 2164 | 2168 | 2174 | rBV | 159610 | 260768 | 1.82% | 0.133% |
| 26 | 15.992 | 2184 | 2194 | 2202 | rBV2 | 1428714 | 2325586 | 16.26% | 1.189% |
| 27 | 16.228 | 2226 | 2234 | 2245 | rBV4 | 316251 | 741968 | 5.19% | 0.379% |
| 28 | 16.551 | 2282 | 2289 | 2294 | rBV2 | 210906 | 438777 | 3.07% | 0.224% |
| 29 | 16.604 | 2294 | 2298 | 2304 | rVB2 | 123570 | 197154 | 1.38% | 0.101% |
| 30 | 16.704 | 2311 | 2315 | 2320 | rVB | 114545 | 161655 | 1.13% | 0.083% |
| 31 | 16.780 | 2325 | 2328 | 2332 | rVV2 | 119553 | 210174 | 1.47% | 0.107% |
| 32 | 16.822 | 2332 | 2335 | 2345 | rVV | 197523 | 409841 | 2.87% | 0.210% |
| 33 | 16.904 | 2345 | 2349 | 2356 | rVV | 278045 | 481774 | 3.37% | 0.246% |
| 34 | 16.980 | 2358 | 2362 | 2363 | rVV | 123782 | 166002 | 1.16% | 0.085% |
| 35 | 17.004 | 2363 | 2366 | 2370 | rVV | 222946 | 311108 | 2.18% | 0.159% |
| 36 | 17.063 | 2372 | 2376 | 2385 | rVB2 | 357364 | 660875 | 4.62% | 0.338% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100521\
Data File : BP007346.D
Acq On : 06 Oct 2021 02:52
Operator : CG/JU
Sample : M4067-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** SU-02-100421

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 | 17.251 | 2402 | 2408 | 2411 | rBV | 1536101 | 2167889 | 15.16% | 1.108% |
| 38 | 17.292 | 2411 | 2415 | 2423 | rVV | 4546294 | 6473947 | 45.27% | 3.310% |
| 39 | 17.386 | 2425 | 2431 | 2436 | rVV | 2123427 | 3108842 | 21.74% | 1.589% |
| 40 | 17.445 | 2436 | 2441 | 2446 | rVB2 | 178904 | 325585 | 2.28% | 0.166% |
| 41 | 17.657 | 2473 | 2477 | 2486 | rBV | 259564 | 424780 | 2.97% | 0.217% |
| 42 | 17.745 | 2489 | 2492 | 2494 | rVV3 | 188006 | 252172 | 1.76% | 0.129% |
| 43 | 17.769 | 2494 | 2496 | 2503 | rVV2 | 216371 | 317520 | 2.22% | 0.162% |
| 44 | 17.833 | 2503 | 2507 | 2514 | rVB4 | 238439 | 400975 | 2.80% | 0.205% |
| 45 | 17.916 | 2516 | 2521 | 2527 | rVV | 2481653 | 3134546 | 21.92% | 1.602% |
| 46 | 17.969 | 2527 | 2530 | 2536 | rVB | 121434 | 203115 | 1.42% | 0.104% |
| 47 | 18.122 | 2551 | 2556 | 2560 | rBV | 778391 | 1208287 | 8.45% | 0.618% |
| 48 | 18.163 | 2560 | 2563 | 2569 | rVB | 1075627 | 1518454 | 10.62% | 0.776% |
| 49 | 18.245 | 2572 | 2577 | 2582 | rBV | 576954 | 809706 | 5.66% | 0.414% |
| 50 | 18.310 | 2582 | 2588 | 2591 | rVV3 | 1794590 | 2890573 | 20.21% | 1.478% |
| 51 | 18.339 | 2591 | 2593 | 2602 | rVB | 623081 | 801449 | 5.60% | 0.410% |
| 52 | 18.416 | 2603 | 2606 | 2610 | rBV2 | 227304 | 265188 | 1.85% | 0.136% |
| 53 | 18.504 | 2617 | 2621 | 2625 | rBV3 | 151013 | 231299 | 1.62% | 0.118% |
| 54 | 18.598 | 2633 | 2637 | 2642 | rVB | 596019 | 786210 | 5.50% | 0.402% |
| 55 | 18.651 | 2642 | 2646 | 2652 | rVB2 | 336461 | 449135 | 3.14% | 0.230% |
| 56 | 18.810 | 2670 | 2673 | 2675 | rBV2 | 116464 | 145307 | 1.02% | 0.074% |
| 57 | 18.839 | 2675 | 2678 | 2683 | rVV2 | 205299 | 344266 | 2.41% | 0.176% |
| 58 | 18.886 | 2683 | 2686 | 2689 | rVV | 267771 | 341403 | 2.39% | 0.175% |
| 59 | 18.927 | 2690 | 2693 | 2697 | rVB2 | 228588 | 273970 | 1.92% | 0.140% |
| 60 | 19.022 | 2702 | 2709 | 2711 | rVV2 | 6427695 | 8641251 | 60.43% | 4.417% |
| 61 | 19.051 | 2711 | 2714 | 2725 | rVV3 | 5959213 | 8952847 | 62.61% | 4.577% |
| 62 | 19.145 | 2726 | 2730 | 2733 | rVV2 | 835903 | 1297948 | 9.08% | 0.664% |
| 63 | 19.180 | 2733 | 2736 | 2743 | rVB | 1463093 | 1681095 | 11.76% | 0.859% |
| 64 | 19.269 | 2745 | 2751 | 2756 | rVV | 10545250 | 14299760 | 100.00% | 7.310% |
| 65 | 19.321 | 2757 | 2760 | 2763 | rVV | 267380 | 329979 | 2.31% | 0.169% |
| 66 | 19.357 | 2763 | 2766 | 2770 | rVB | 289927 | 360105 | 2.52% | 0.184% |
| 67 | 19.410 | 2770 | 2775 | 2779 | rBV | 966243 | 1262944 | 8.83% | 0.646% |
| 68 | 19.498 | 2787 | 2790 | 2792 | rBV | 262323 | 306429 | 2.14% | 0.157% |
| 69 | 19.527 | 2793 | 2795 | 2800 | rVB2 | 483600 | 611009 | 4.27% | 0.312% |
| 70 | 19.586 | 2800 | 2805 | 2807 | rBV2 | 1482327 | 2174738 | 15.21% | 1.112% |
| 71 | 19.621 | 2807 | 2811 | 2818 | rVB | 9593658 | 12924741 | 90.38% | 6.607% |
| 72 | 19.686 | 2818 | 2822 | 2828 | rVB2 | 469398 | 698389 | 4.88% | 0.357% |
| 73 | 19.810 | 2836 | 2843 | 2846 | rBV2 | 2677123 | 3761742 | 26.31% | 1.923% |
| 74 | 19.927 | 2858 | 2863 | 2864 | rBV2 | 763109 | 1030186 | 7.20% | 0.527% |
| 75 | 20.069 | 2881 | 2887 | 2888 | rBV4 | 747235 | 1285482 | 8.99% | 0.657% |
| 76 | 20.098 | 2889 | 2892 | 2896 | rVB | 1499498 | 1936418 | 13.54% | 0.990% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100521\
Data File : BP007346.D
Acq On : 06 Oct 2021 02:52
Operator : CG/JU
Sample : M4067-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** SU-02-100421

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 20.192 | 2905 | 2908 | 2912 | rBV | 979599 | 1172908 | 8.20% | 0.600% |
| 78 | 20.251 | 2913 | 2918 | 2922 | rVB2 | 1082857 | 1705535 | 11.93% | 0.872% |
| 79 | 20.386 | 2938 | 2941 | 2945 | rBV | 659389 | 840543 | 5.88% | 0.430% |
| 80 | 20.433 | 2945 | 2949 | 2953 | rVV | 746611 | 919781 | 6.43% | 0.470% |
| 81 | 20.833 | 3013 | 3017 | 3024 | rVB | 1114725 | 1527800 | 10.68% | 0.781% |
| 82 | 20.992 | 3040 | 3044 | 3047 | rBV3 | 833358 | 1158685 | 8.10% | 0.592% |
| 83 | 21.027 | 3047 | 3050 | 3054 | rVV | 1008571 | 1228630 | 8.59% | 0.628% |
| 84 | 21.068 | 3054 | 3057 | 3062 | rVV2 | 969788 | 1457239 | 10.19% | 0.745% |
| 85 | 21.121 | 3064 | 3066 | 3071 | rVB | 837095 | 1011250 | 7.07% | 0.517% |
| 86 | 21.327 | 3096 | 3101 | 3107 | rBV2 | 6953320 | 13014154 | 91.01% | 6.653% |
| 87 | 21.380 | 3107 | 3110 | 3119 | rVB | 5771848 | 7485007 | 52.34% | 3.826% |
| 88 | 21.498 | 3128 | 3130 | 3136 | rVB2 | 444118 | 682128 | 4.77% | 0.349% |
| 89 | 21.557 | 3137 | 3140 | 3144 | rVB | 618890 | 753051 | 5.27% | 0.385% |
| 90 | 21.663 | 3155 | 3158 | 3163 | rVB3 | 585626 | 898182 | 6.28% | 0.459% |
| 91 | 21.915 | 3198 | 3201 | 3204 | rVB2 | 890581 | 1095751 | 7.66% | 0.560% |
| 92 | 22.121 | 3233 | 3236 | 3239 | rBV3 | 628323 | 898813 | 6.29% | 0.459% |
| 93 | 23.021 | 3382 | 3389 | 3394 | rBV | 5158920 | 13054258 | 91.29% | 6.673% |
| 94 | 23.204 | 3415 | 3420 | 3426 | rVB | 1441263 | 2488056 | 17.40% | 1.272% |
| 95 | 23.539 | 3472 | 3477 | 3487 | rVB | 3034748 | 6076349 | 42.49% | 3.106% |
| 96 | 23.651 | 3489 | 3496 | 3504 | rVB | 5103812 | 10046463 | 70.26% | 5.136% |
| 97 | 23.751 | 3509 | 3513 | 3517 | rVV2 | 1302099 | 2618255 | 18.31% | 1.338% |
| 98 | 23.804 | 3518 | 3522 | 3532 | rVB2 | 1570019 | 3373292 | 23.59% | 1.724% |
| 99 | 26.286 | 3936 | 3944 | 3955 | rVB | 2644970 | 8213898 | 57.44% | 4.199% |

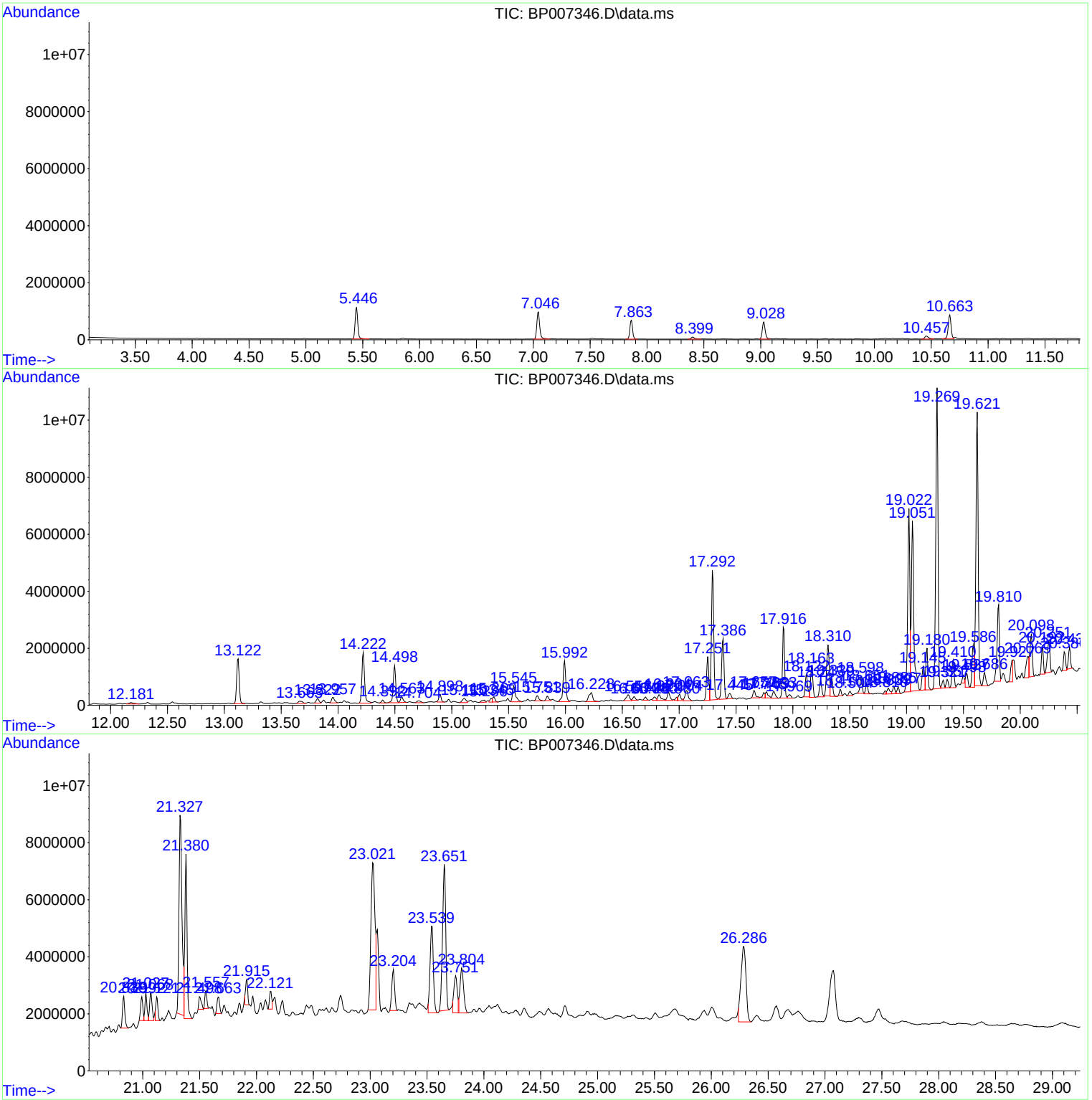
Sum of corrected areas: 195616828

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100521\
Data File : BP007346.D
Acq On : 06 Oct 2021 02:52
Operator : CG/JU
Sample : M4067-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SU-02-100421

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\BP100521\
Data File : BP007346.D
Acq On : 06 Oct 2021 02:52
Operator : CG/JU
Sample : M4067-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** SU-02-100421

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

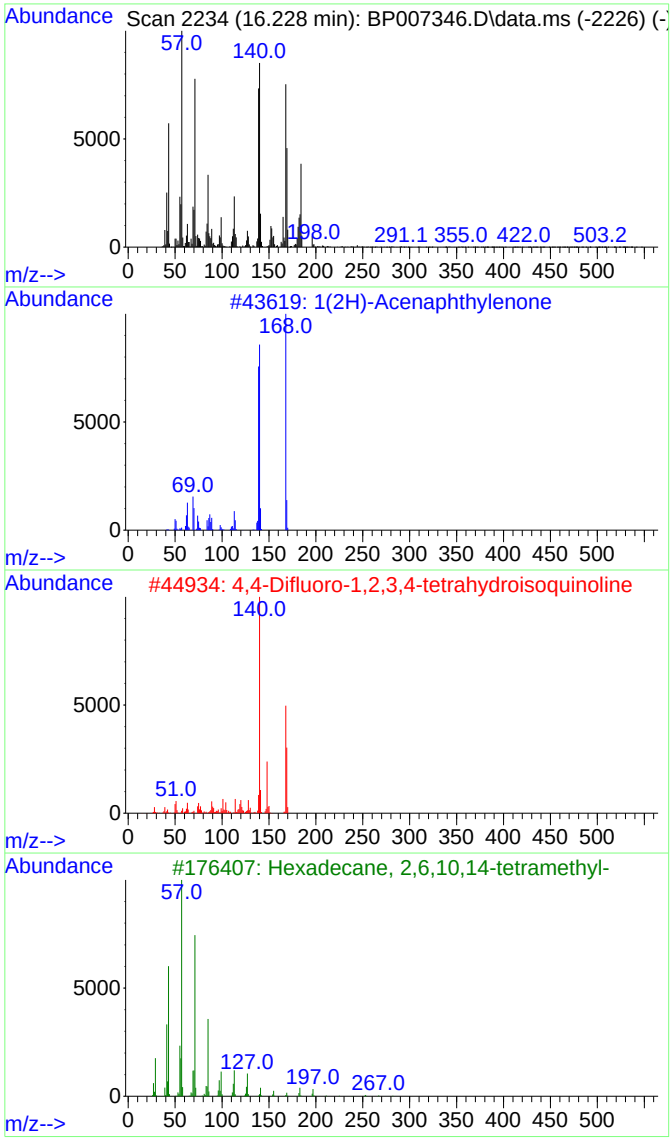
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

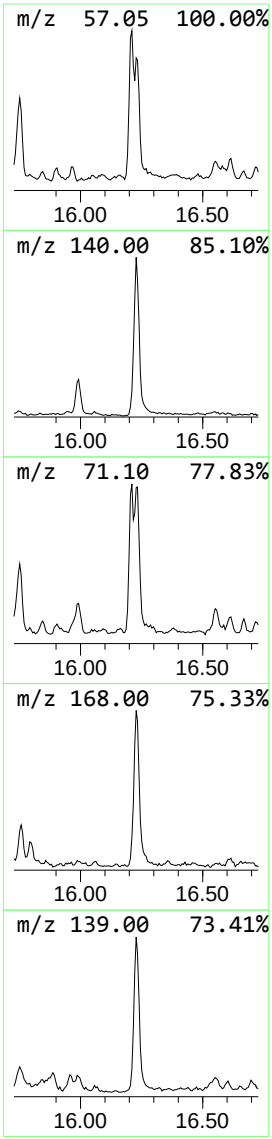
**********

Peak Number 1 1(2H)-Acenaphthylenone Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.227 | 6.85 ng | 741968 | Phenanthrene-d10 | 17.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1(2H)-Acenaphthylenone | 168 | C12H8O | 002235-15-6 | 55 |
| 2 | 4,4-Difluoro-1,2,3,4-tetrahydroi... | 169 | C9H9F2N | 537033-81-1 | 38 |
| 3 | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42 | 000638-36-8 | 25 |
| 4 | Benzaldehyde, 2-fluoro-3-hydroxy- | 140 | C7H5FO2 | 103438-86-4 | 22 |
| 5 | Cyclobuta[de]naphthalene | 140 | C11H8 | 024973-91-9 | 22 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100521\
Data File : BP007346.D
Acq On : 06 Oct 2021 02:52
Operator : CG/JU
Sample : M4067-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SU-02-100421

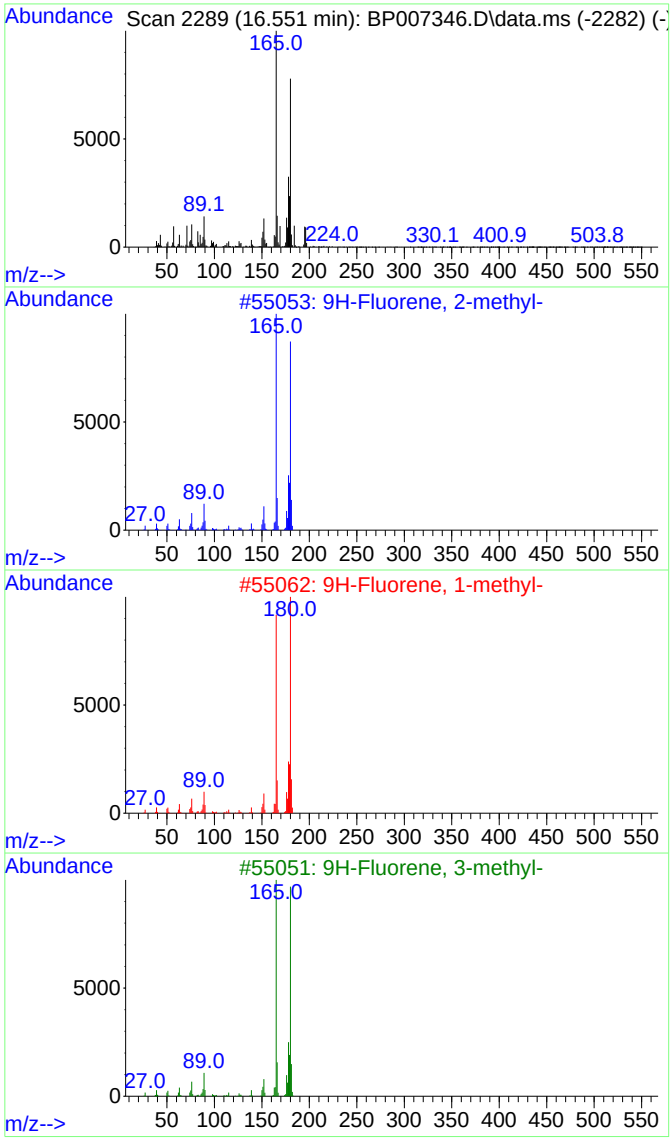
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

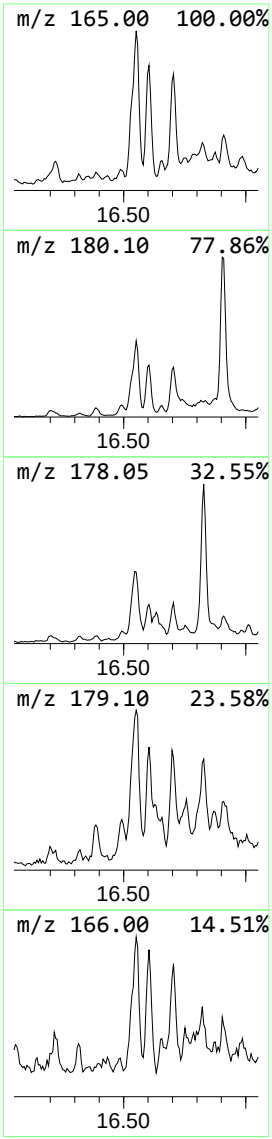
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 9H-Fluorene, 2-methyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.551 | 4.05 ng | 438777 | Phenanthrene-d10 | 17.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 92 |
| 2 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 92 |
| 3 | 9H-Fluorene, 3-methyl- | 180 | C14H12 | 002523-39-9 | 86 |
| 4 | 9H-Fluorene, 9-methyl- | 180 | C14H12 | 002523-37-7 | 86 |
| 5 | 4a,9a-Methano-9H-fluorene | 180 | C14H12 | 019540-84-2 | 83 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100521\
Data File : BP007346.D
Acq On : 06 Oct 2021 02:52
Operator : CG/JU
Sample : M4067-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** SU-02-100421

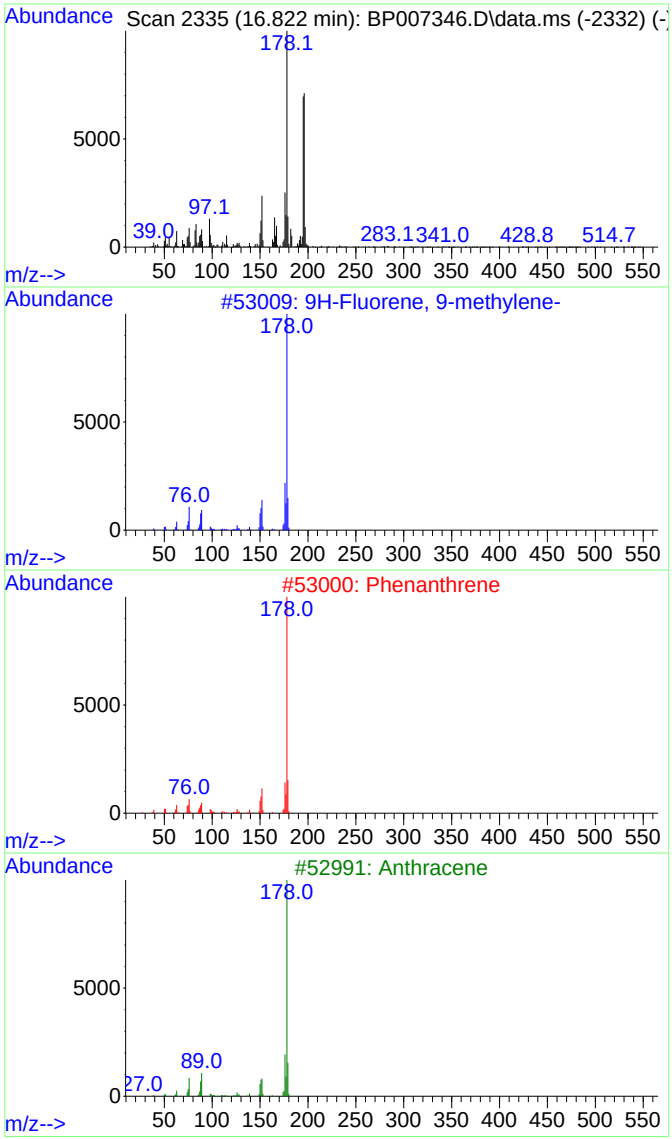
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

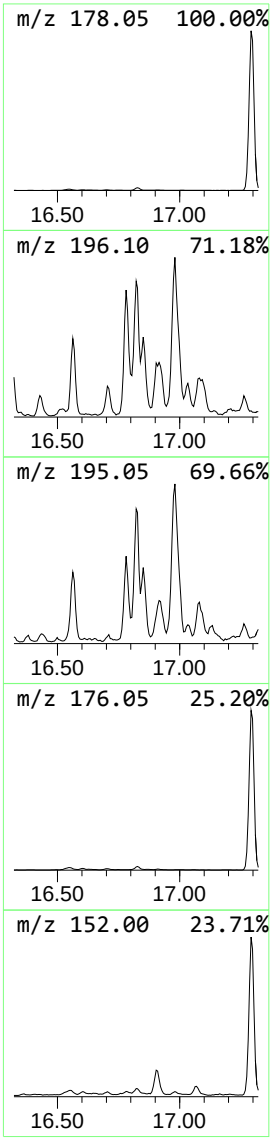
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 9H-Fluorene, 9-methylene- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.822 | 3.78 ng | 409841 | Phenanthrene-d10 | 17.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluorene, 9-methylene- | 178 | C14H10 | 004425-82-5 | 86 |
| 2 | Phenanthrene | 178 | C14H10 | 000085-01-8 | 83 |
| 3 | Anthracene | 178 | C14H10 | 000120-12-7 | 80 |
| 4 | Diphenylacetylene | 178 | C14H10 | 000501-65-5 | 50 |
| 5 | 3'-Methyl-[1,1'-biphenyl]-4-carb... | 196 | C14H12O | 400744-83-4 | 46 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100521\
Data File : BP007346.D
Acq On : 06 Oct 2021 02:52
Operator : CG/JU
Sample : M4067-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** SU-02-100421

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

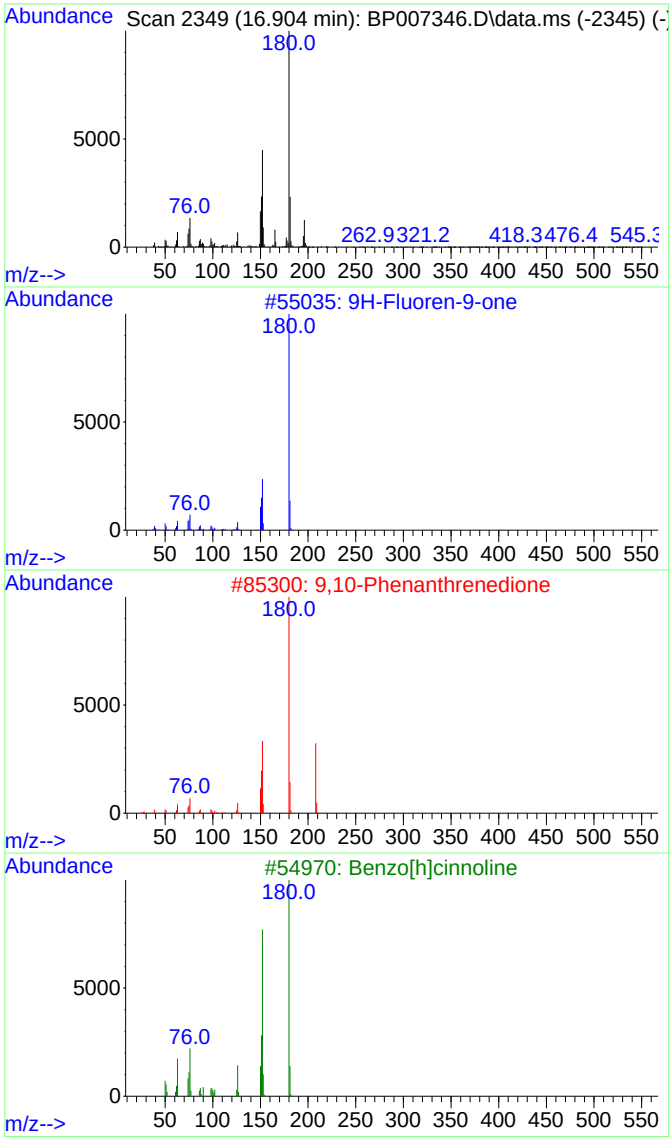
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

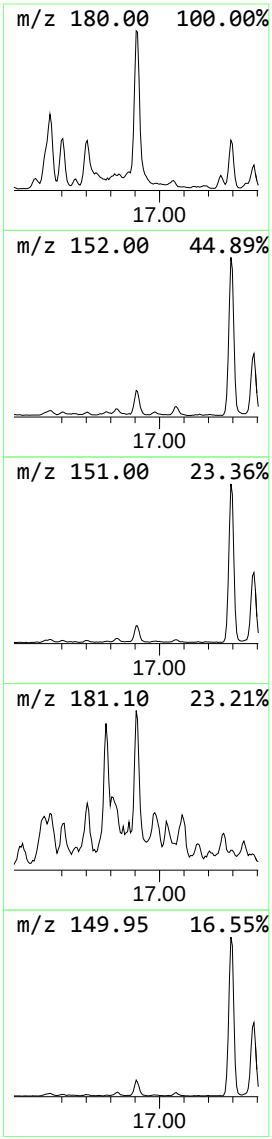
**********

Peak Number 4 9H-Fluoren-9-one Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.904 | 4.44 ng | 481774 | Phenanthrene-d10 | 17.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 94 |
| 2 | 9,10-Phenanthrenedione | 208 | C14H8O2 | 000084-11-7 | 80 |
| 3 | Benzo[h]cinnoline | 180 | C12H8N2 | 000230-31-9 | 72 |
| 4 | 9-Aminofluorene | 181 | C13H11N | 000525-03-1 | 59 |
| 5 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 59 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100521\
Data File : BP007346.D
Acq On : 06 Oct 2021 02:52
Operator : CG/JU
Sample : M4067-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SU-02-100421

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

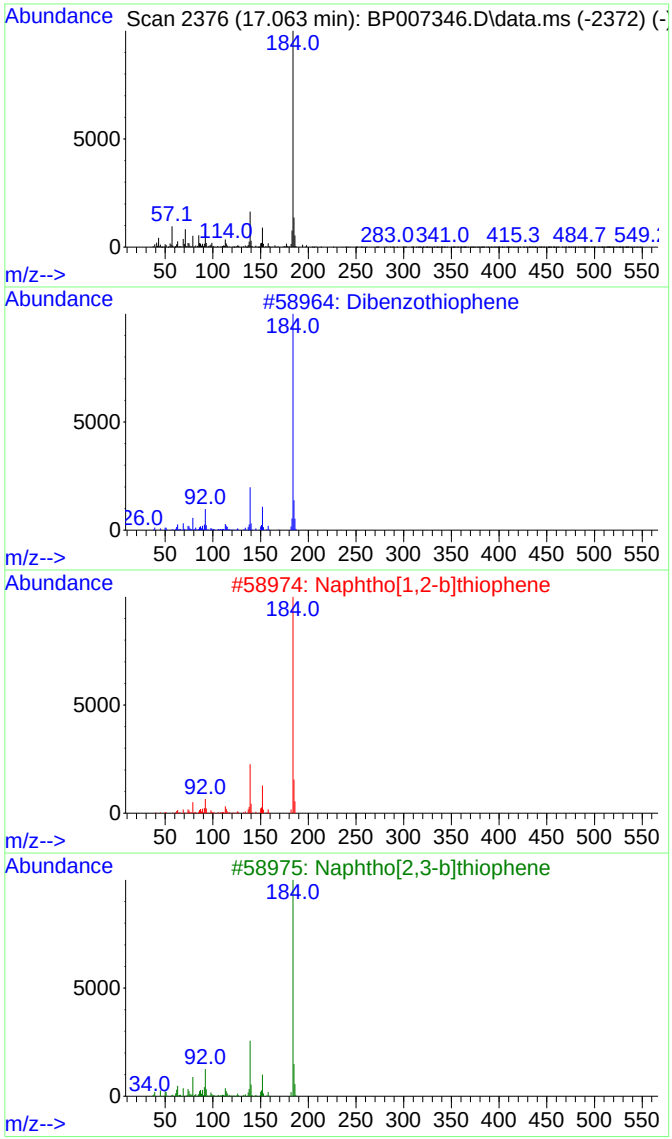
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

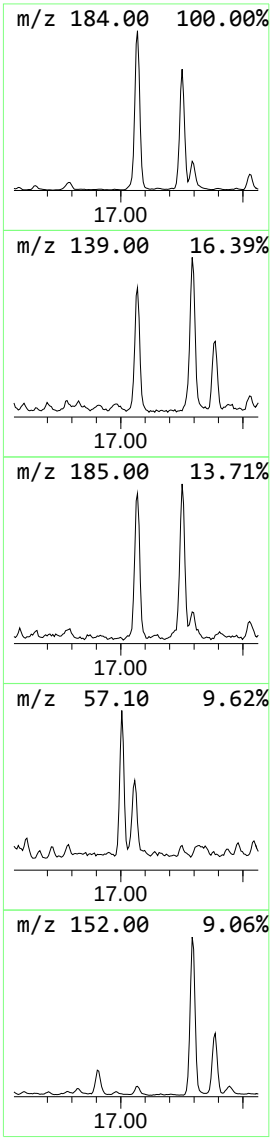
**********

Peak Number 5 Dibenzothiophene Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.063 | 6.10 ng | 660875 | Phenanthrene-d10 | 17.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 97 |
| 2 | Naphtho[1,2-b]thiophene | 184 | C12H8S | 000234-41-3 | 95 |
| 3 | Naphtho[2,3-b]thiophene | 184 | C12H8S | 000268-77-9 | 95 |
| 4 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 95 |
| 5 | Azuleno(2,1-b)thiophene | 184 | C12H8S | 000248-13-5 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100521\
Data File : BP007346.D
Acq On : 06 Oct 2021 02:52
Operator : CG/JU
Sample : M4067-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** SU-02-100421

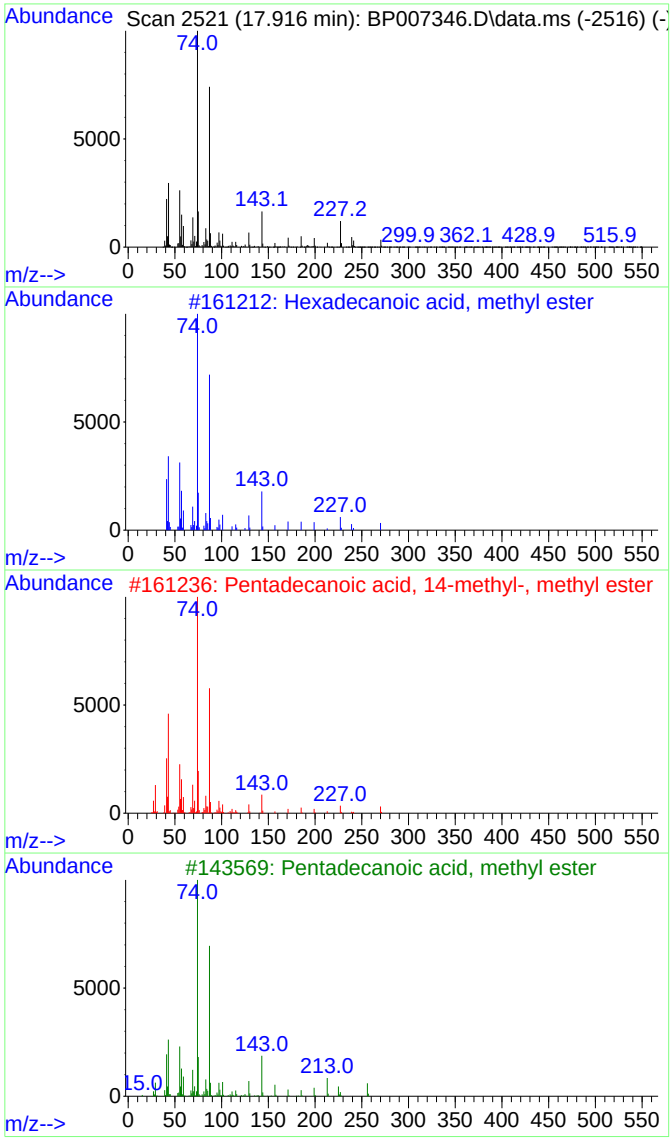
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

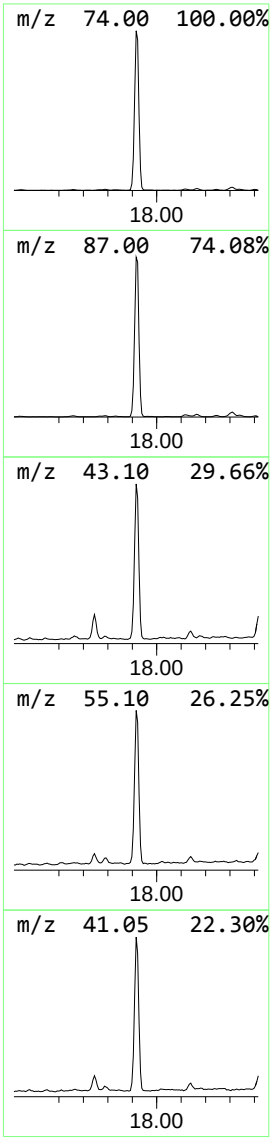
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Hexadecanoic acid, methyl e... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.916 | 28.92 ng | 3134550 | Phenanthrene-d10 | 17.251 |

| 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 | 92 |
| 3 | Pentadecanoic acid, methyl ester | 256 | C16H32O2 | 007132-64-1 | 86 |
| 4 | Methyl tetradecanoate | 242 | C15H30O2 | 000124-10-7 | 83 |
| 5 | Decanoic acid, methyl ester | 186 | C11H22O2 | 000110-42-9 | 81 |



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Data File : BP007346.D
Acq On : 06 Oct 2021 02:52
Operator : CG/JU
Sample : M4067-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SU-02-100421

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

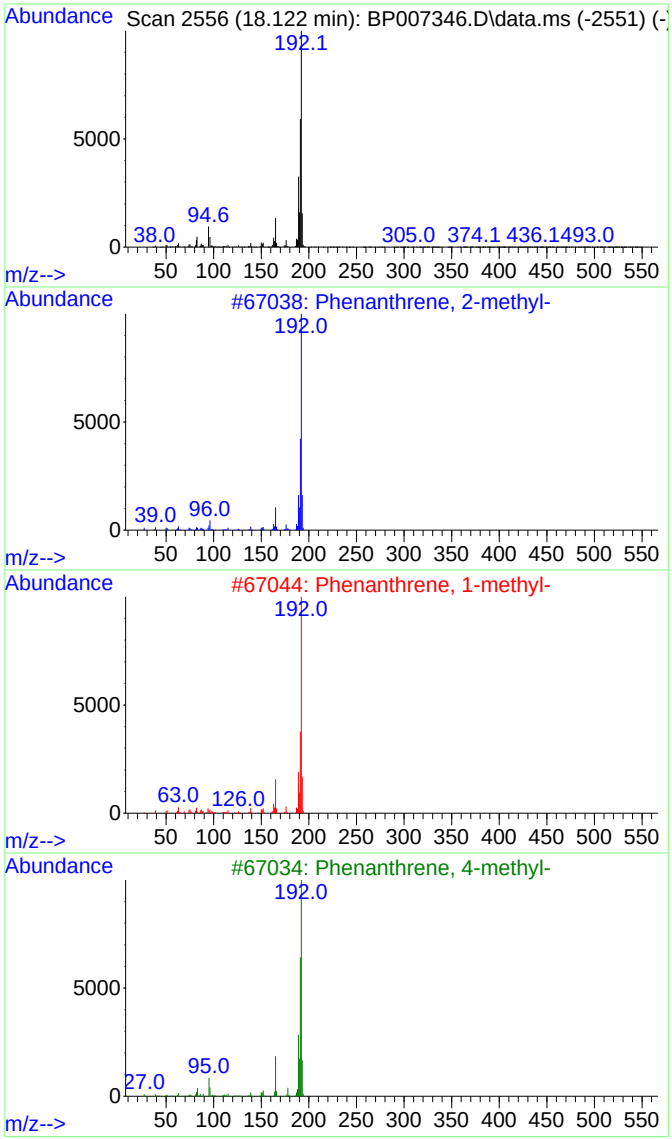
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

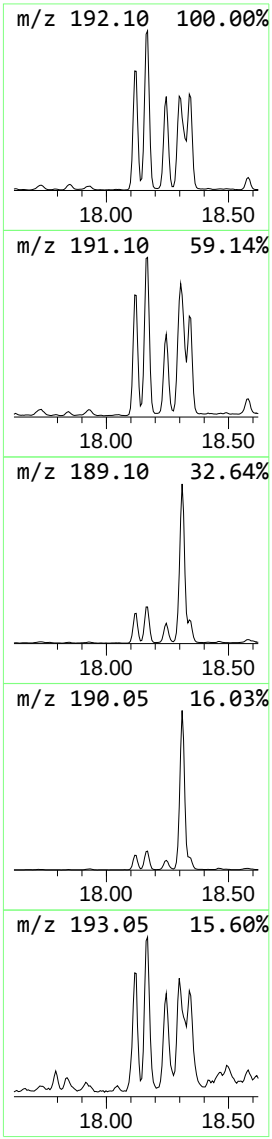
**********

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.122 | 11.15 ng | 1208290 | Phenanthrene-d10 | 17.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 95 |
| 3 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 95 |
| 4 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 95 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100521\
Data File : BP007346.D
Acq On : 06 Oct 2021 02:52
Operator : CG/JU
Sample : M4067-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SU-02-100421

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

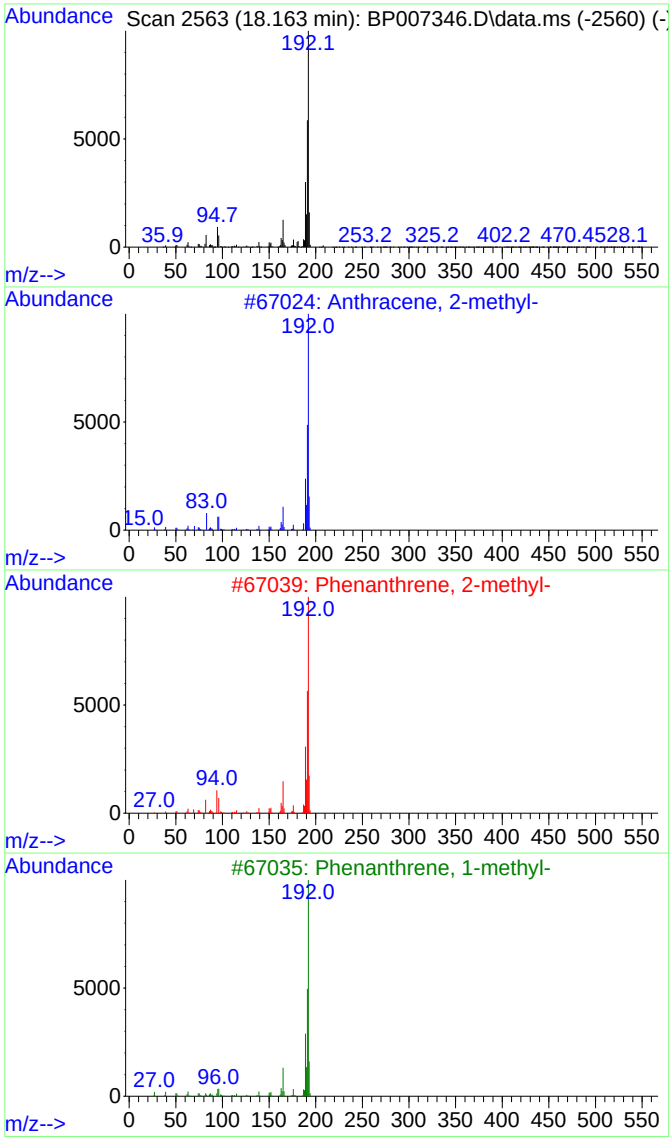
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

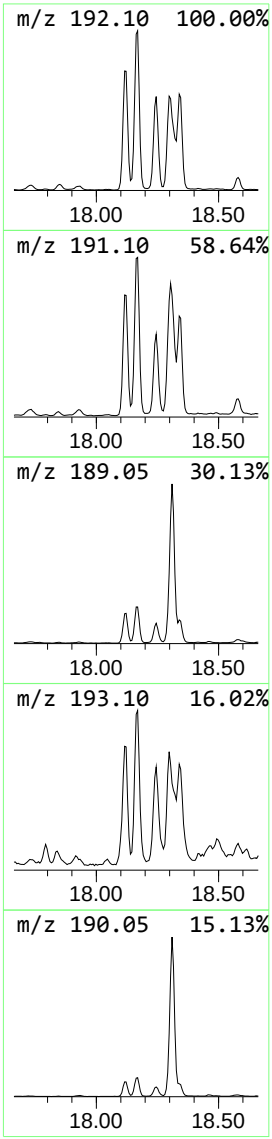
**********

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.163 | 14.01 ng | 1518450 | Phenanthrene-d10 | 17.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 97 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 97 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 4 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 94 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 93 |



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Data File : BP007346.D
Acq On : 06 Oct 2021 02:52
Operator : CG/JU
Sample : M4067-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** SU-02-100421

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

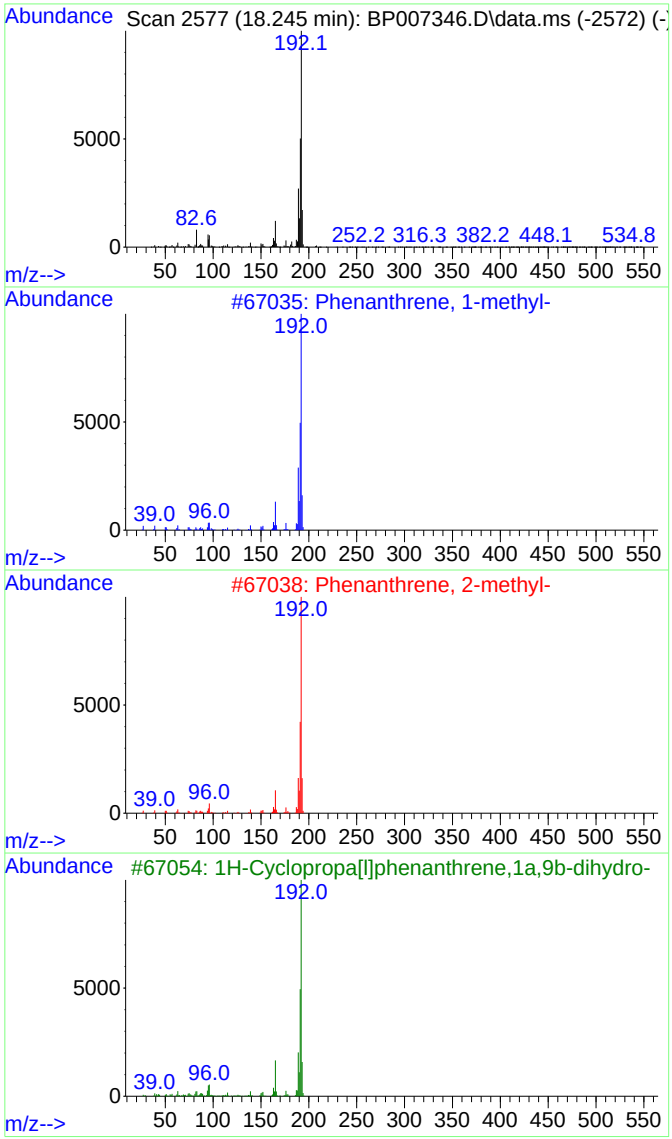
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

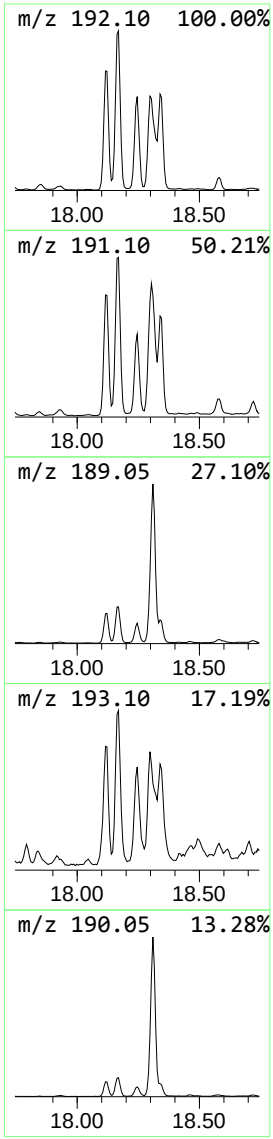
**********

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.245 | 7.47 ng | 809706 | Phenanthrene-d10 | 17.251 |

| 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 | 97 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 96 |
| 4 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 95 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100521\
Data File : BP007346.D
Acq On : 06 Oct 2021 02:52
Operator : CG/JU
Sample : M4067-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SU-02-100421

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

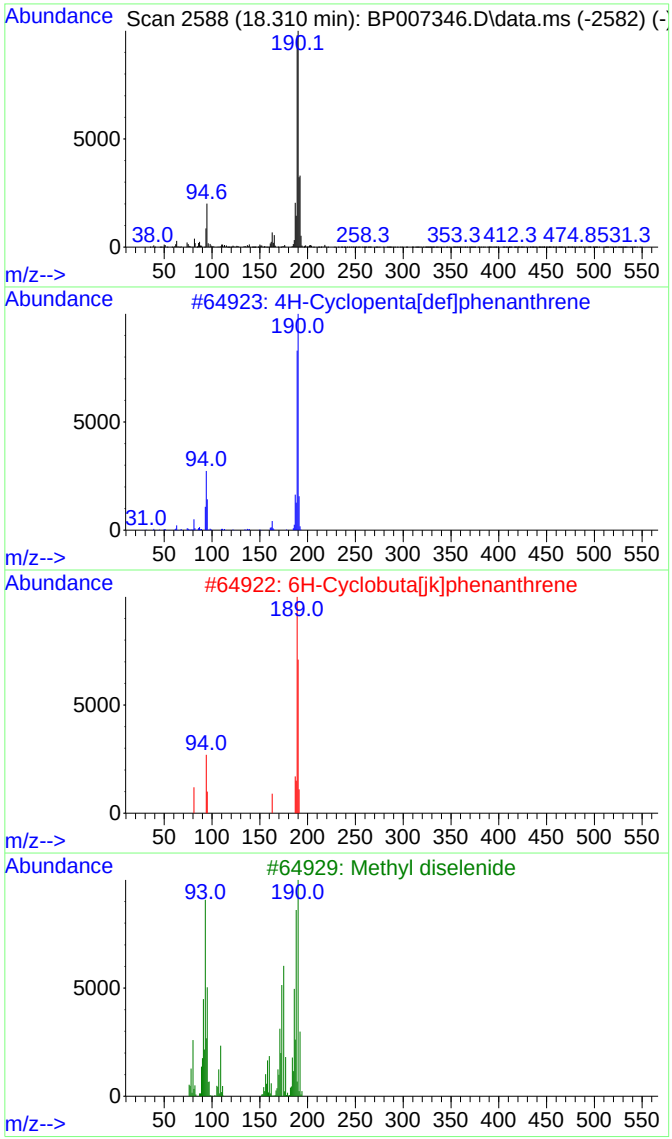
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

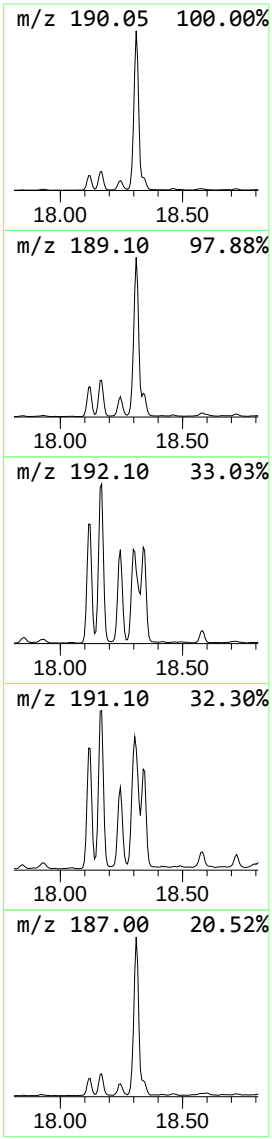
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.310 | 26.67 ng | 2890570 | Phenanthrene-d10 | 17.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 93 |
| 2 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 64 |
| 3 | Methyl diselenide | 190 | C2H6Se2 | 007101-31-7 | 55 |
| 4 | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0 | 52 |
| 5 | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2 | 007072-01-7 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100521\
Data File : BP007346.D
Acq On : 06 Oct 2021 02:52
Operator : CG/JU
Sample : M4067-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SU-02-100421

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

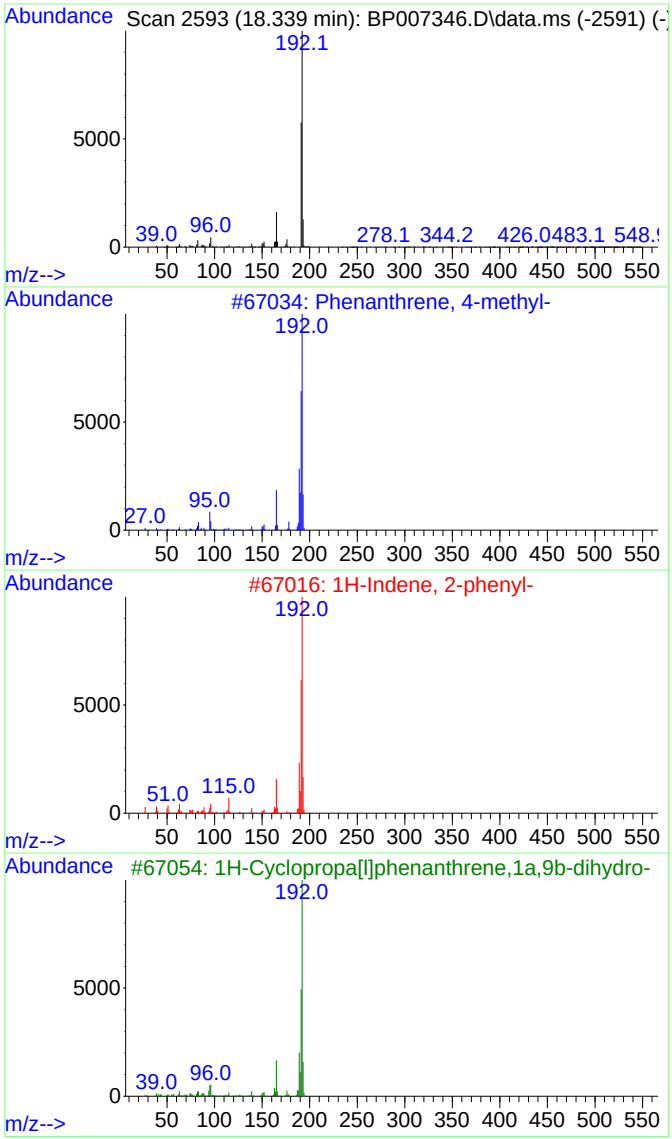
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

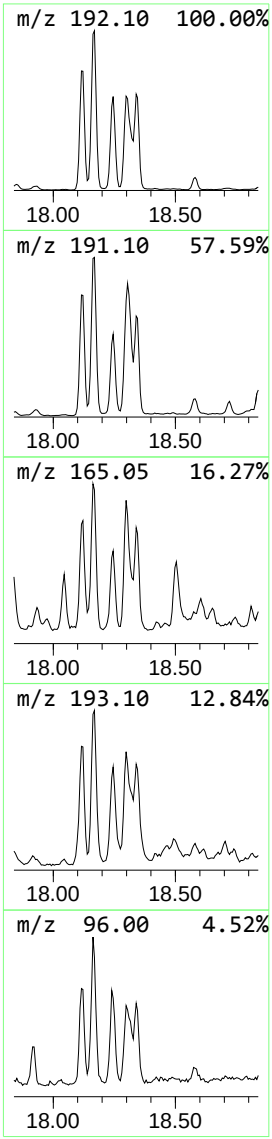
**********

Peak Number 11 Phenanthrene, 4-methyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.339 | 7.39 ng | 801449 | Phenanthrene-d10 | 17.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 93 |
| 2 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 90 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 90 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 87 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100521\
Data File : BP007346.D
Acq On : 06 Oct 2021 02:52
Operator : CG/JU
Sample : M4067-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SU-02-100421

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

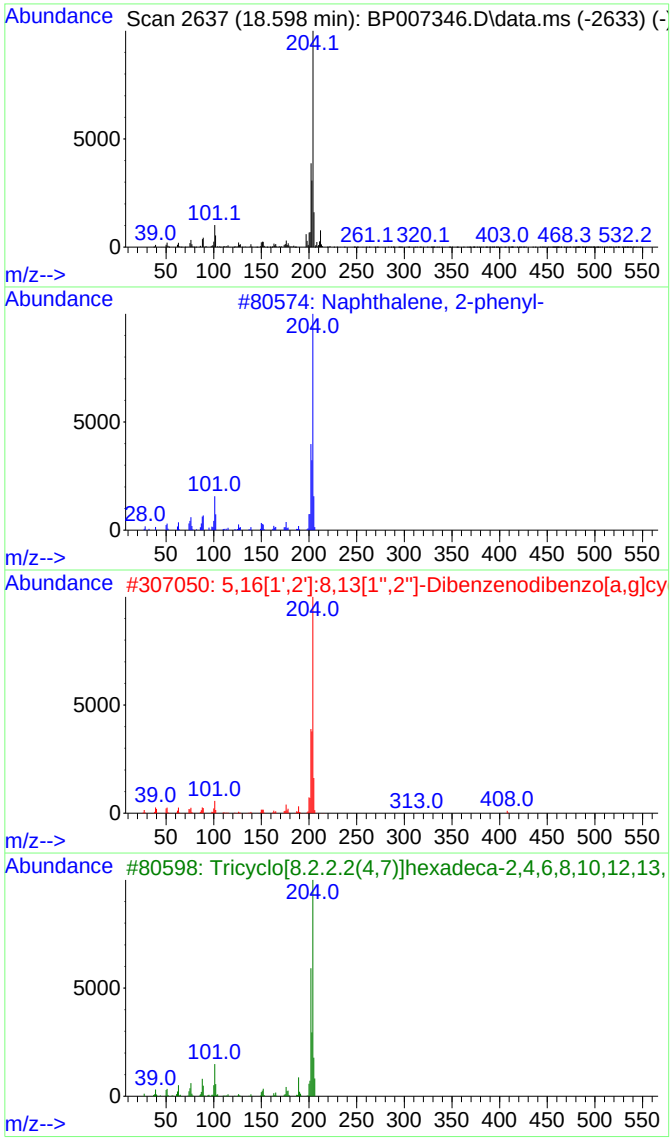
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

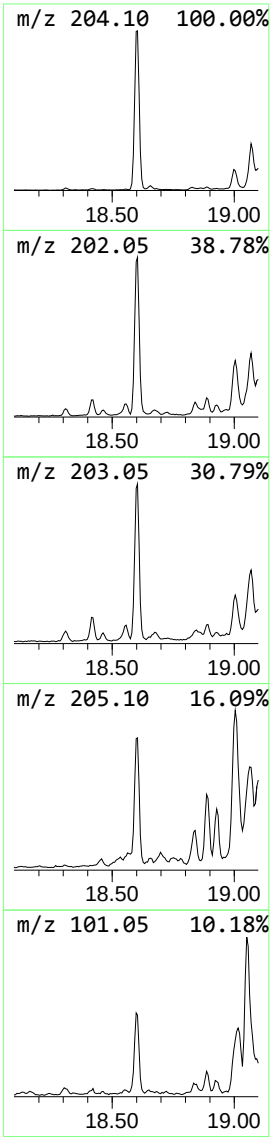
**********

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.598 | 7.25 ng | 786210 | Phenanthrene-d10 | 17.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 94 |
| 2 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 87 |
| 3 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 62 |
| 4 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 49 |
| 5 | Naphthalene, 1-phenyl- | 204 | C16H12 | 000605-02-7 | 49 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100521\
Data File : BP007346.D
Acq On : 06 Oct 2021 02:52
Operator : CG/JU
Sample : M4067-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** SU-02-100421

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

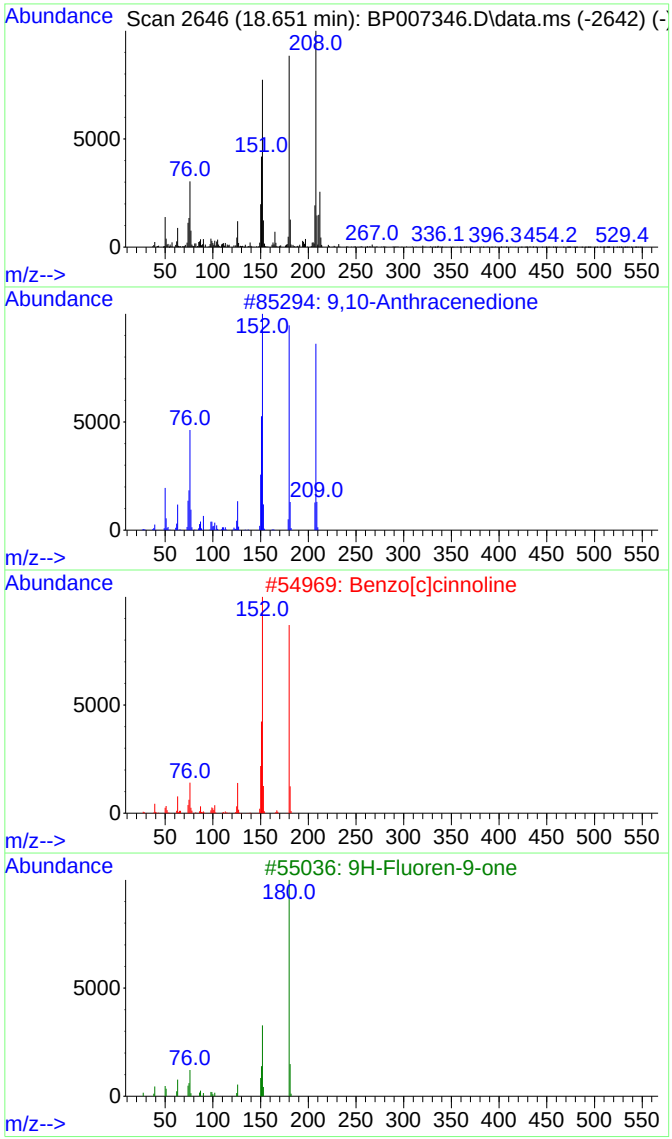
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

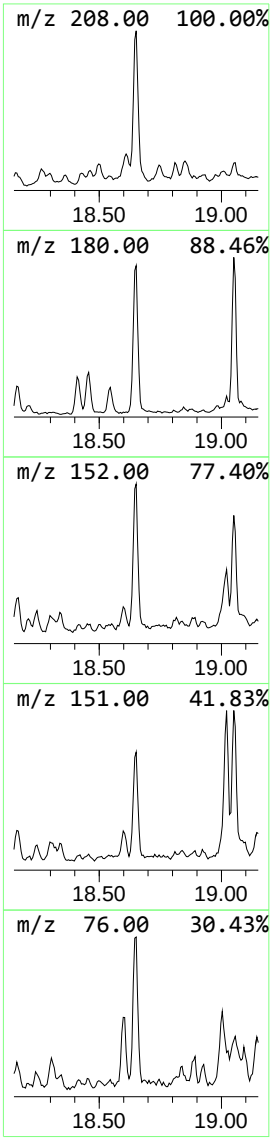
**********

Peak Number 13 9,10-Anthracenedione Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.651 | 4.14 ng | 449135 | Phenanthrene-d10 | 17.251 |

| 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 | 95 |
| 3 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 90 |
| 4 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 50 |
| 5 | Benzo[h]cinnoline | 180 | C12H8N2 | 000230-31-9 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100521\
Data File : BP007346.D
Acq On : 06 Oct 2021 02:52
Operator : CG/JU
Sample : M4067-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** SU-02-100421

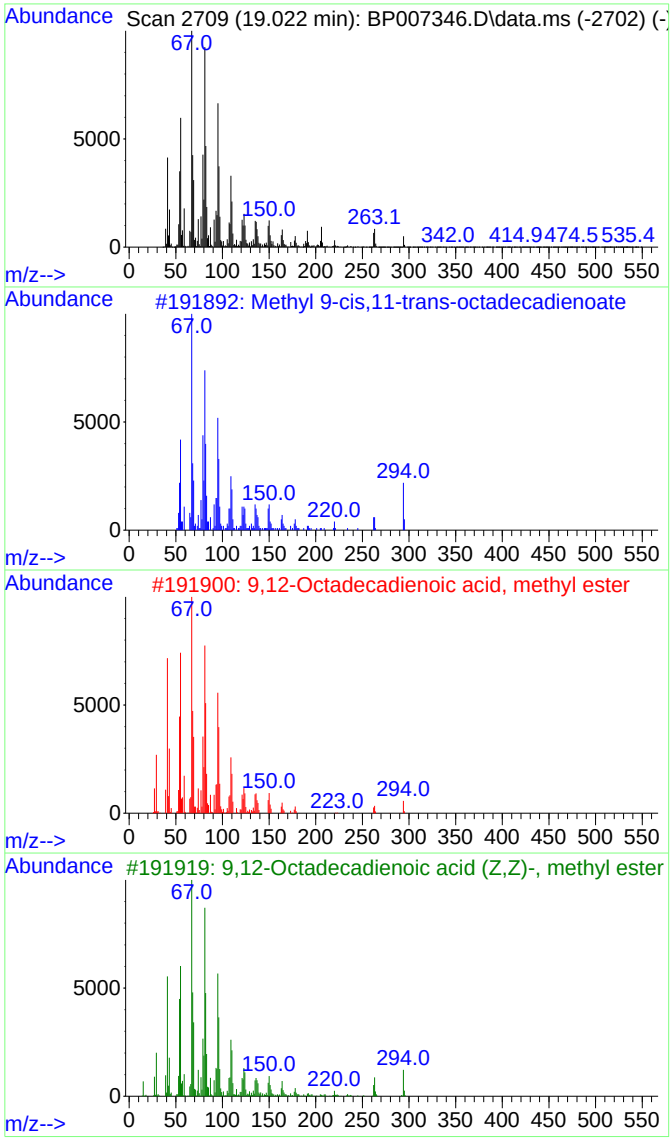
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

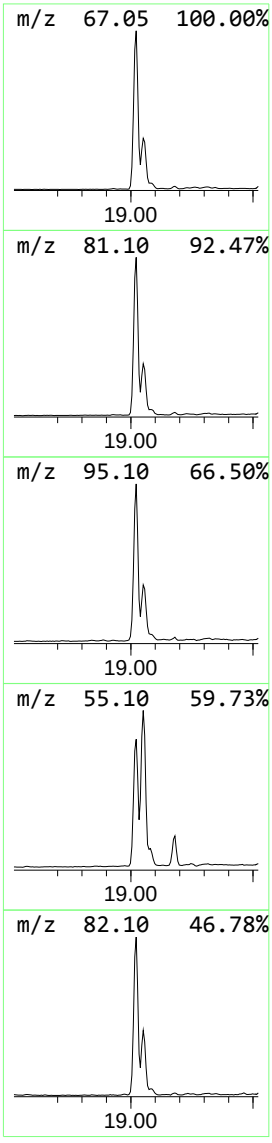
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 Methyl 9-cis,11-trans-octad... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.022 | 79.72 ng | 8641250 | Phenanthrene-d10 | 17.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methyl 9-cis,11-trans-octadecadi... | 294 | C19H34O2 | 013058-52-1 | 99 |
| 2 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002462-85-3 | 99 |
| 3 | 9,12-Octadecadienoic acid (Z,Z)-... | 294 | C19H34O2 | 000112-63-0 | 99 |
| 4 | 9,15-Octadecadienoic acid, methy... | 294 | C19H34O2 | 017309-05-6 | 99 |
| 5 | 8,11-Octadecadienoic acid, methy... | 294 | C19H34O2 | 056599-58-7 | 99 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100521\
Data File : BP007346.D
Acq On : 06 Oct 2021 02:52
Operator : CG/JU
Sample : M4067-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SU-02-100421

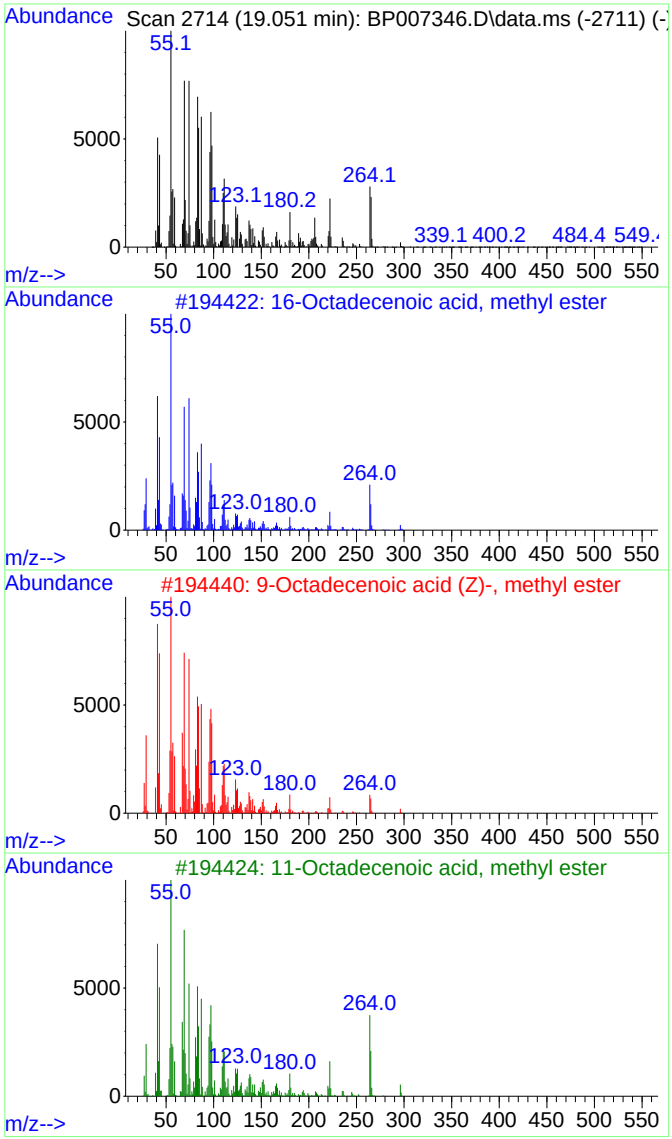
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

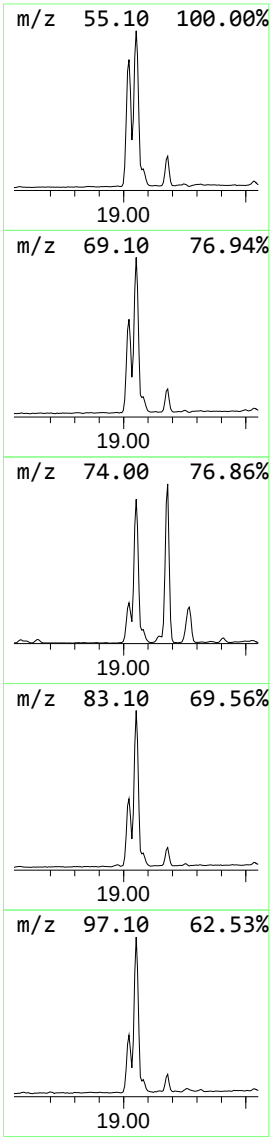
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 16-Octadecenoic acid, methy... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.051 | 82.60 ng | 8952850 | Phenanthrene-d10 | 17.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 16-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-49-5 | 95 |
| 2 | 9-Octadecenoic acid (Z)-, methyl... | 296 | C19H36O2 | 000112-62-9 | 95 |
| 3 | 11-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 052380-33-3 | 94 |
| 4 | 13-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-47-3 | 90 |
| 5 | 14-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-48-4 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100521\
Data File : BP007346.D
Acq On : 06 Oct 2021 02:52
Operator : CG/JU
Sample : M4067-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SU-02-100421

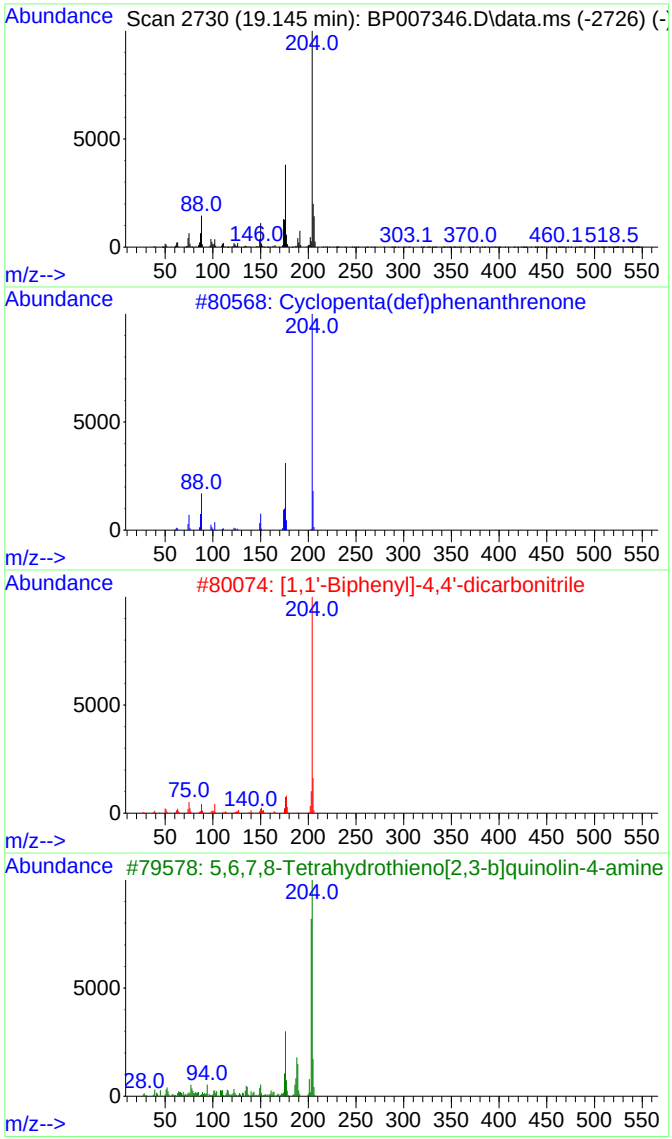
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

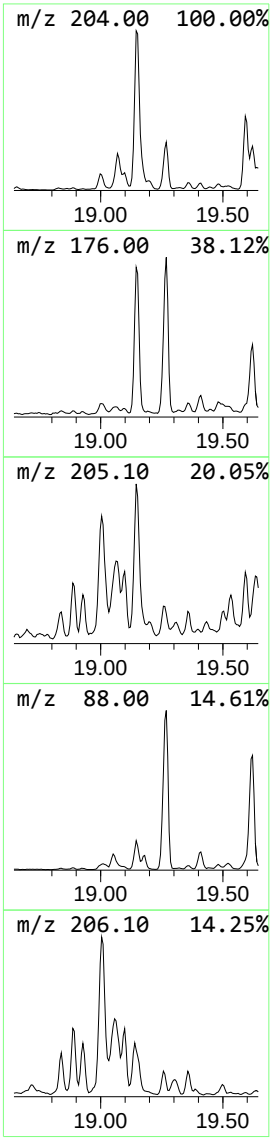
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.145 | 11.97 ng | 1297950 | Phenanthrene-d10 | 17.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 96 |
| 2 | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2 | 001591-30-6 | 58 |
| 3 | 5,6,7,8-Tetrahydrothieno[2,3-b]q... | 204 | C11H12N2S | 122914-50-5 | 50 |
| 4 | Ethyl .alpha.-D-glucopyranoside,... | 496 | C20H48O6Si4 | 1000365-90-0 | 43 |
| 5 | Quinoline, 8-methoxy-5-nitro- | 204 | C10H8N2O3 | 1000298-88-7 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100521\
Data File : BP007346.D
Acq On : 06 Oct 2021 02:52
Operator : CG/JU
Sample : M4067-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** SU-02-100421

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

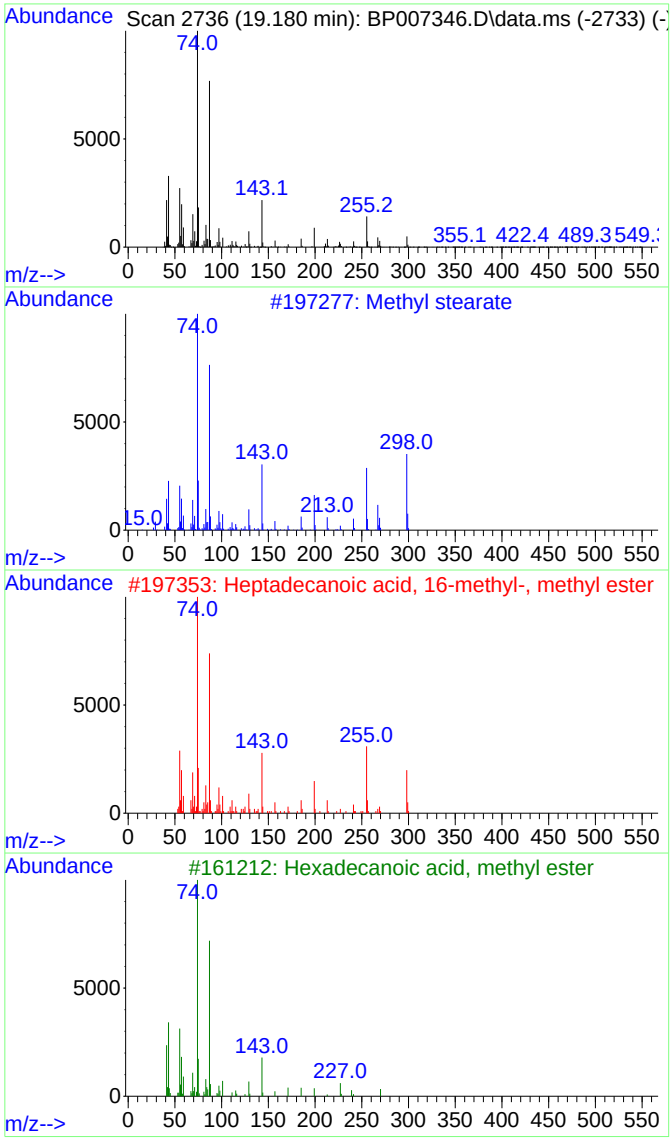
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

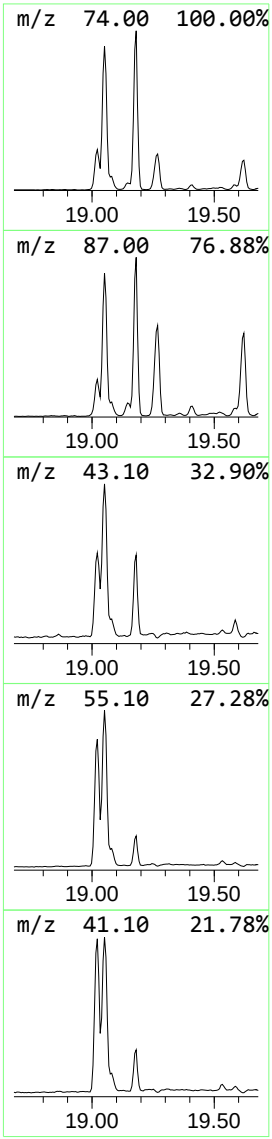
**********

Peak Number 17 Methyl stearate Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.180 | 15.51 ng | 1681100 | Phenanthrene-d10 | 17.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methyl stearate | 298 | C19H38O2 | 000112-61-8 | 95 |
| 2 | Heptadecanoic acid, 16-methyl-, ... | 298 | C19H38O2 | 005129-61-3 | 90 |
| 3 | Hexadecanoic acid, methyl ester | 270 | C17H34O2 | 000112-39-0 | 87 |
| 4 | Methyl tetradecanoate | 242 | C15H30O2 | 000124-10-7 | 83 |
| 5 | Pentadecanoic acid, methyl ester | 256 | C16H32O2 | 007132-64-1 | 83 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100521\
Data File : BP007346.D
Acq On : 06 Oct 2021 02:52
Operator : CG/JU
Sample : M4067-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SU-02-100421

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

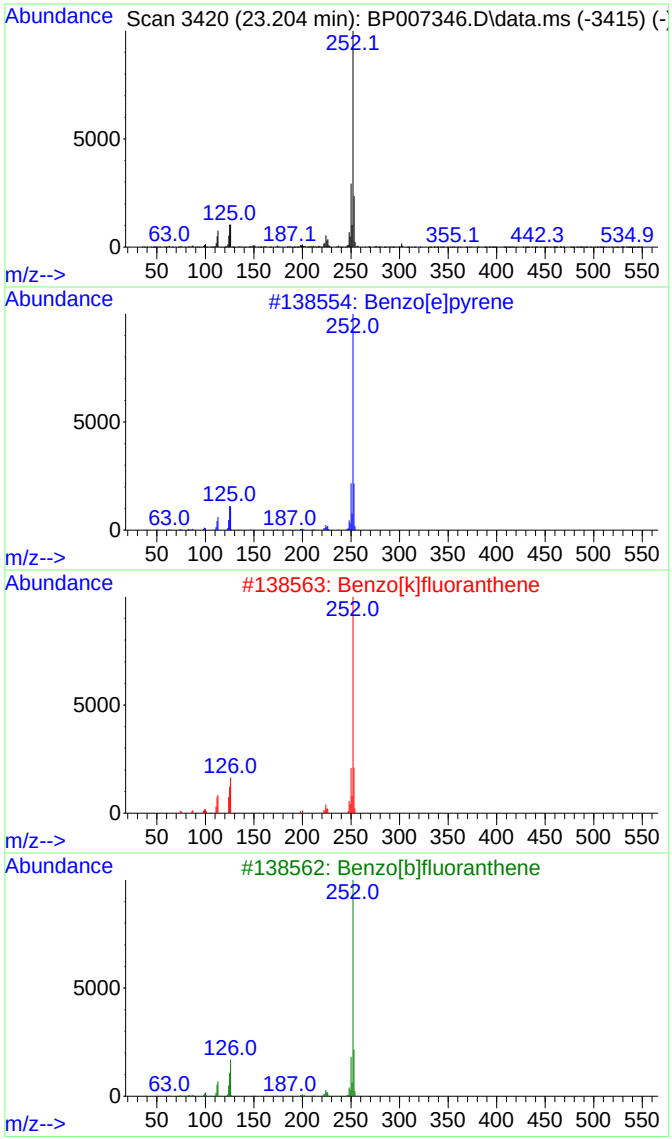
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

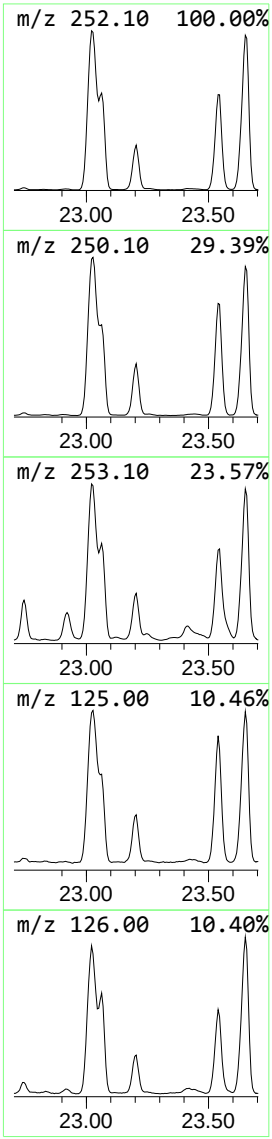
**********

Peak Number 18 Benzo[e]pyrene Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.204 | 19.01 ng | 2488060 | Perylene-d12 | 23.751 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 98 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 97 |
| 3 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 95 |
| 4 | Perylene | 252 | C20H12 | 000198-55-0 | 93 |
| 5 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100521\
Data File : BP007346.D
Acq On : 06 Oct 2021 02:52
Operator : CG/JU
Sample : M4067-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SU-02-100421

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

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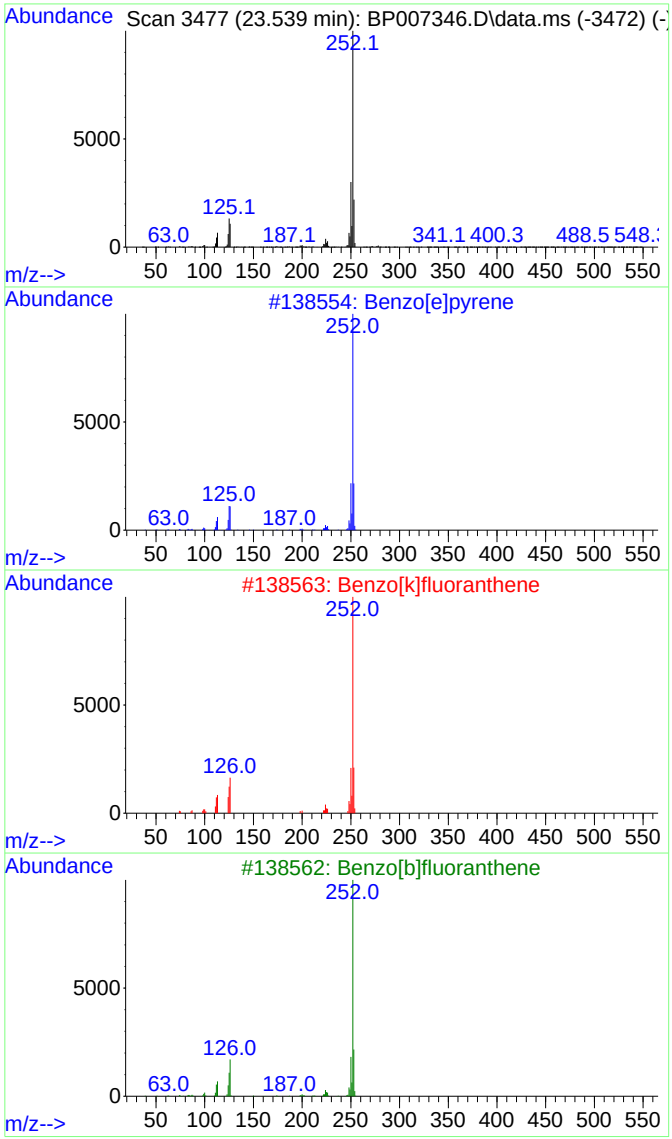
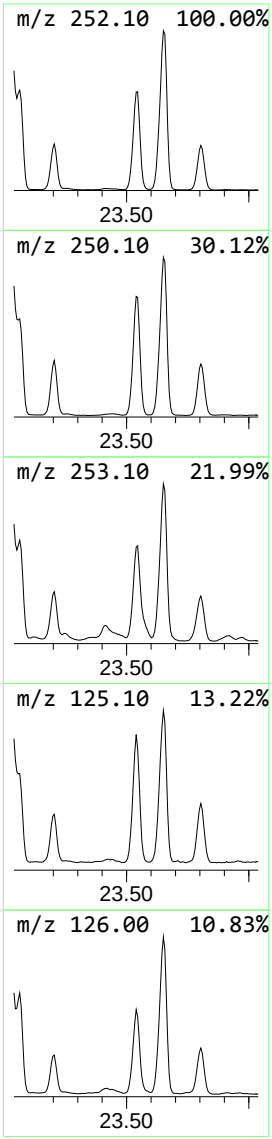
Peak Number 19 Perylene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.539 | 46.42 ng | 6076350 | Perylene-d12 | 23.751 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 98 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 97 |
| 3 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 95 |
| 4 | Perylene | 252 | C20H12 | 000198-55-0 | 95 |
| 5 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100521\
Data File : BP007346.D
Acq On : 06 Oct 2021 02:52
Operator : CG/JU
Sample : M4067-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SU-02-100421

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

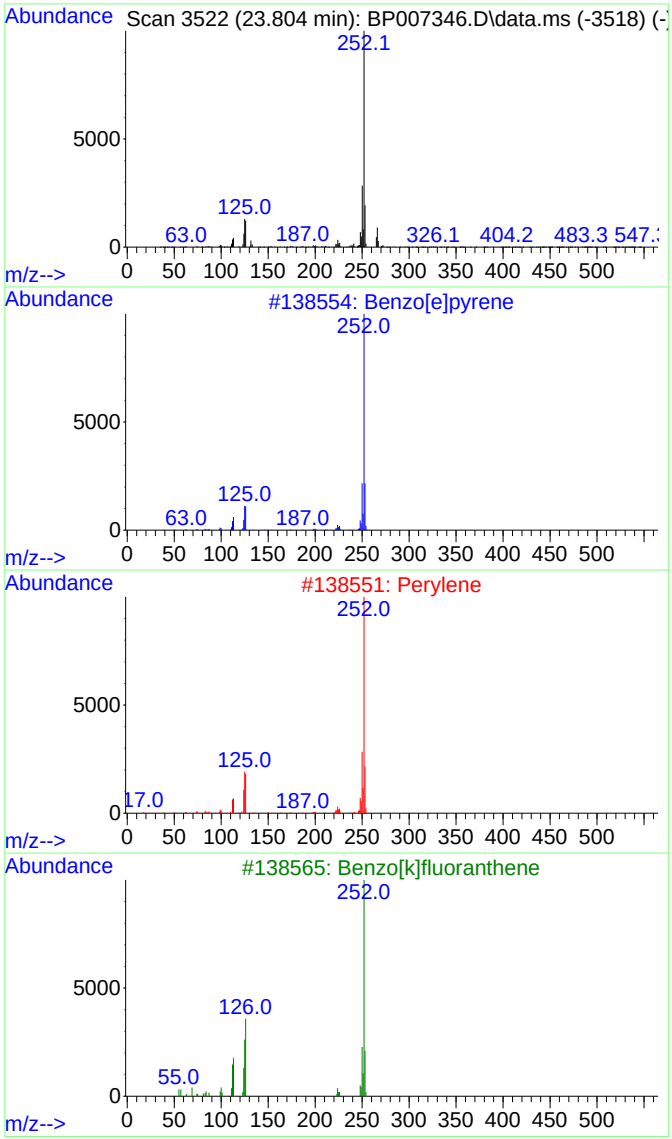
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

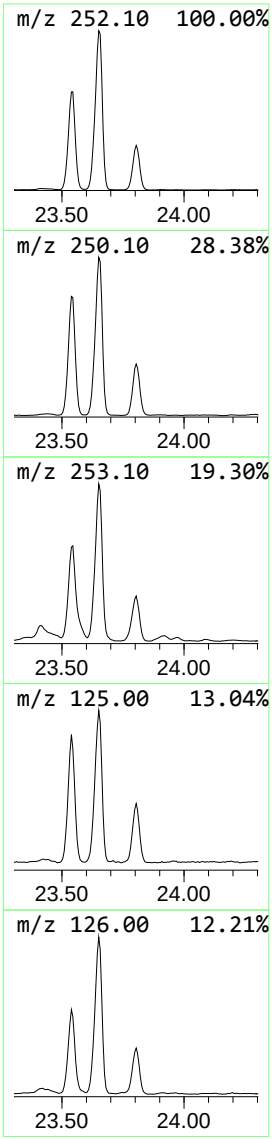
**********

Peak Number 20 unknown23.804 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.804 | 25.77 ng | 3373290 | Perylene-d12 | 23.751 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 97 |
| 2 | Perylene | 252 | C20H12 | 000198-55-0 | 96 |
| 3 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 95 |
| 4 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 94 |
| 5 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 89 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100521\
Data File : BP007346.D
Acq On : 06 Oct 2021 02:52
Operator : CG/JU
Sample : M4067-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** SU-02-100421

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 |
| 1(2H)-Acenaphth... | 16.227 | 6.8 | ng | 741968 | 4 | 17.251 | 2167890 | 20.0 |
| 9H-Fluorene, 2-... | 16.551 | 4.0 | ng | 438777 | 4 | 17.251 | 2167890 | 20.0 |
| 9H-Fluorene, 9-... | 16.822 | 3.8 | ng | 409841 | 4 | 17.251 | 2167890 | 20.0 |
| 9H-Fluoren-9-one | 16.904 | 4.4 | ng | 481774 | 4 | 17.251 | 2167890 | 20.0 |
| Dibenzothiophene | 17.063 | 6.1 | ng | 660875 | 4 | 17.251 | 2167890 | 20.0 |
| Hexadecanoic ac... | 17.916 | 28.9 | ng | 3134550 | 4 | 17.251 | 2167890 | 20.0 |
| Phenanthrene, 2... | 18.122 | 11.2 | ng | 1208290 | 4 | 17.251 | 2167890 | 20.0 |
| Anthracene, 2-m... | 18.163 | 14.0 | ng | 1518450 | 4 | 17.251 | 2167890 | 20.0 |
| Phenanthrene, 1... | 18.245 | 7.5 | ng | 809706 | 4 | 17.251 | 2167890 | 20.0 |
| 4H-Cyclopenta[d... | 18.310 | 26.7 | ng | 2890570 | 4 | 17.251 | 2167890 | 20.0 |
| Phenanthrene, 4... | 18.339 | 7.4 | ng | 801449 | 4 | 17.251 | 2167890 | 20.0 |
| Naphthalene, 2-... | 18.598 | 7.3 | ng | 786210 | 4 | 17.251 | 2167890 | 20.0 |
| 9,10-Anthracene... | 18.651 | 4.1 | ng | 449135 | 4 | 17.251 | 2167890 | 20.0 |
| Methyl 9-cis,11... | 19.022 | 79.7 | ng | 8641250 | 4 | 17.251 | 2167890 | 20.0 |
| 16-Octadecenoic... | 19.051 | 82.6 | ng | 8952850 | 4 | 17.251 | 2167890 | 20.0 |
| Cyclopenta(def)... | 19.145 | 12.0 | ng | 1297950 | 4 | 17.251 | 2167890 | 20.0 |
| Methyl stearate | 19.180 | 15.5 | ng | 1681100 | 4 | 17.251 | 2167890 | 20.0 |
| Benzo[e]pyrene | 23.204 | 19.0 | ng | 2488060 | 6 | 23.751 | 2618260 | 20.0 |
| Perylene | 23.539 | 46.4 | ng | 6076350 | 6 | 23.751 | 2618260 | 20.0 |
| unknown23.804 | 23.804 | 25.8 | ng | 3373290 | 6 | 23.751 | 2618260 | 20.0 |