LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110821\
Data File : BP007880.D
Acq On : 09 Nov 2021 02:02
Operator : CG/JU
Sample : M4569-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
CL-02-110521

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-BP110221.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP007880.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 | 361 | 367 | 384 | rVB | 1993098 | 2915064 | 22.79% | 1.731% |
| 2 | 7.040 | 629 | 638 | 653 | rBV | 1841618 | 3002156 | 23.47% | 1.783% |
| 3 | 7.863 | 770 | 778 | 786 | rBV | 561166 | 898791 | 7.03% | 0.534% |
| 4 | 9.016 | 967 | 974 | 984 | rBV | 1087507 | 1756408 | 13.73% | 1.043% |
| 5 | 10.446 | 1207 | 1217 | 1227 | rBV | 413990 | 680076 | 5.32% | 0.404% |
| 6 | 10.657 | 1244 | 1253 | 1259 | rBV | 668507 | 1152749 | 9.01% | 0.685% |
| 7 | 12.540 | 1567 | 1573 | 1583 | rVB | 118837 | 190298 | 1.49% | 0.113% |
| 8 | 13.122 | 1664 | 1672 | 1685 | rBV | 2705710 | 3876854 | 30.31% | 2.302% |
| 9 | 13.669 | 1754 | 1765 | 1775 | rBV3 | 65779 | 193240 | 1.51% | 0.115% |
| 10 | 13.822 | 1784 | 1791 | 1796 | rBV | 161812 | 287534 | 2.25% | 0.171% |
| 11 | 14.216 | 1849 | 1858 | 1867 | rBV | 188353 | 306070 | 2.39% | 0.182% |
| 12 | 14.498 | 1896 | 1906 | 1911 | rBV | 1048003 | 1608279 | 12.57% | 0.955% |
| 13 | 14.563 | 1911 | 1917 | 1924 | rVB | 400567 | 630016 | 4.93% | 0.374% |
| 14 | 14.898 | 1963 | 1974 | 1981 | rVV | 287365 | 462606 | 3.62% | 0.275% |
| 15 | 15.116 | 2004 | 2011 | 2016 | rBV2 | 92208 | 161400 | 1.26% | 0.096% |
| 16 | 15.292 | 2032 | 2041 | 2044 | rBV2 | 78460 | 168646 | 1.32% | 0.100% |
| 17 | 15.545 | 2078 | 2084 | 2089 | rBV | 411010 | 601017 | 4.70% | 0.357% |
| 18 | 15.669 | 2102 | 2105 | 2109 | rVV | 123564 | 180272 | 1.41% | 0.107% |
| 19 | 15.840 | 2130 | 2134 | 2144 | rVB | 180928 | 349686 | 2.73% | 0.208% |
| 20 | 15.987 | 2144 | 2159 | 2168 | rVV | 2575655 | 3924667 | 30.68% | 2.331% |
| 21 | 16.075 | 2168 | 2174 | 2183 | rVB4 | 62460 | 157797 | 1.23% | 0.094% |
| 22 | 16.222 | 2195 | 2199 | 2212 | rVB3 | 117560 | 214970 | 1.68% | 0.128% |
| 23 | 16.534 | 2244 | 2252 | 2253 | rBV3 | 117596 | 204610 | 1.60% | 0.122% |
| 24 | 16.557 | 2253 | 2256 | 2260 | rVV2 | 142996 | 234717 | 1.84% | 0.139% |
| 25 | 16.604 | 2260 | 2264 | 2270 | rVB2 | 124005 | 196246 | 1.53% | 0.117% |
| 26 | 16.904 | 2310 | 2315 | 2322 | rVB | 393866 | 584336 | 4.57% | 0.347% |
| 27 | 16.981 | 2322 | 2328 | 2338 | rBV3 | 139436 | 427280 | 3.34% | 0.254% |
| 28 | 17.069 | 2338 | 2343 | 2352 | rVB | 350441 | 553912 | 4.33% | 0.329% |
| 29 | 17.251 | 2368 | 2374 | 2377 | rBV | 1271628 | 1859963 | 14.54% | 1.105% |
| 30 | 17.298 | 2377 | 2382 | 2388 | rVV | 5850005 | 8366831 | 65.41% | 4.969% |
| 31 | 17.386 | 2388 | 2397 | 2402 | rVB | 1255997 | 1919148 | 15.00% | 1.140% |
| 32 | 17.439 | 2402 | 2406 | 2412 | rBV3 | 139774 | 234590 | 1.83% | 0.139% |
| 33 | 17.657 | 2434 | 2443 | 2447 | rBV2 | 481007 | 803343 | 6.28% | 0.477% |
| 34 | 17.834 | 2468 | 2473 | 2482 | rVB | 316530 | 495897 | 3.88% | 0.295% |
| 35 | 17.975 | 2493 | 2497 | 2504 | rVB | 139918 | 242006 | 1.89% | 0.144% |
| 36 | 18.045 | 2505 | 2509 | 2513 | rBV | 132683 | 172608 | 1.35% | 0.103% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110821\
Data File : BP007880.D
Acq On : 09 Nov 2021 02:02
Operator : CG/JU
Sample : M4569-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
CL-02-110521

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-BP110221.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 18.122 | 2513 | 2522 | 2526 | rBV | 1286272 | 1934280 | 15.12% | 1.149% |
| 38 | 18.169 | 2526 | 2530 | 2536 | rVB | 1687674 | 2291646 | 17.92% | 1.361% |
| 39 | 18.245 | 2537 | 2543 | 2548 | rBV | 581947 | 832025 | 6.51% | 0.494% |
| 40 | 18.304 | 2548 | 2553 | 2557 | rBV2 | 1446940 | 2619730 | 20.48% | 1.556% |
| 41 | 18.345 | 2557 | 2560 | 2566 | rVB | 986318 | 1236352 | 9.67% | 0.734% |
| 42 | 18.422 | 2567 | 2573 | 2576 | rBV4 | 105918 | 216379 | 1.69% | 0.129% |
| 43 | 18.504 | 2583 | 2587 | 2591 | rBV3 | 141987 | 187975 | 1.47% | 0.112% |
| 44 | 18.604 | 2599 | 2604 | 2607 | rBV | 768138 | 1001464 | 7.83% | 0.595% |
| 45 | 18.645 | 2607 | 2611 | 2621 | rVB2 | 789415 | 1167103 | 9.12% | 0.693% |
| 46 | 18.728 | 2621 | 2625 | 2631 | rBV2 | 169847 | 263980 | 2.06% | 0.157% |
| 47 | 18.816 | 2636 | 2640 | 2641 | rBV3 | 144043 | 163900 | 1.28% | 0.097% |
| 48 | 18.845 | 2641 | 2645 | 2649 | rVV | 442233 | 624874 | 4.89% | 0.371% |
| 49 | 18.892 | 2649 | 2653 | 2656 | rVV | 379278 | 518353 | 4.05% | 0.308% |
| 50 | 18.928 | 2656 | 2659 | 2663 | rVB | 334696 | 437889 | 3.42% | 0.260% |
| 51 | 19.010 | 2668 | 2673 | 2678 | rBV | 1002546 | 1651431 | 12.91% | 0.981% |
| 52 | 19.069 | 2678 | 2683 | 2686 | rVV3 | 452484 | 926152 | 7.24% | 0.550% |
| 53 | 19.098 | 2686 | 2688 | 2692 | rVB | 321235 | 335771 | 2.63% | 0.199% |
| 54 | 19.145 | 2692 | 2696 | 2703 | rBV | 744956 | 1212453 | 9.48% | 0.720% |
| 55 | 19.269 | 2711 | 2717 | 2722 | rVB | 8784634 | 11424607 | 89.32% | 6.785% |
| 56 | 19.328 | 2723 | 2727 | 2730 | rBV | 225853 | 289455 | 2.26% | 0.172% |
| 57 | 19.363 | 2730 | 2733 | 2737 | rVB2 | 320148 | 408809 | 3.20% | 0.243% |
| 58 | 19.457 | 2744 | 2749 | 2752 | rBV3 | 306709 | 462413 | 3.62% | 0.275% |
| 59 | 19.498 | 2753 | 2756 | 2760 | rVV | 329430 | 398462 | 3.12% | 0.237% |
| 60 | 19.533 | 2760 | 2762 | 2766 | rVB2 | 181848 | 225521 | 1.76% | 0.134% |
| 61 | 19.622 | 2766 | 2777 | 2784 | rBV | 7836445 | 12790387 | 100.00% | 7.596% |
| 62 | 19.686 | 2784 | 2788 | 2795 | rVB2 | 575970 | 976490 | 7.63% | 0.580% |
| 63 | 19.816 | 2795 | 2810 | 2814 | rBV | 4681811 | 6907854 | 54.01% | 4.102% |
| 64 | 19.851 | 2814 | 2816 | 2822 | rVB | 493966 | 598504 | 4.68% | 0.355% |
| 65 | 19.933 | 2824 | 2830 | 2836 | rBV4 | 766688 | 1920267 | 15.01% | 1.140% |
| 66 | 20.016 | 2841 | 2844 | 2847 | rVV4 | 113734 | 162349 | 1.27% | 0.096% |
| 67 | 20.069 | 2847 | 2853 | 2854 | rVV4 | 564504 | 893095 | 6.98% | 0.530% |
| 68 | 20.098 | 2855 | 2858 | 2862 | rVB | 966059 | 1277856 | 9.99% | 0.759% |
| 69 | 20.198 | 2871 | 2875 | 2878 | rBV | 369487 | 418054 | 3.27% | 0.248% |
| 70 | 20.251 | 2879 | 2884 | 2889 | rVV2 | 1007309 | 1598346 | 12.50% | 0.949% |
| 71 | 20.292 | 2889 | 2891 | 2895 | rVB2 | 236155 | 247227 | 1.93% | 0.147% |
| 72 | 20.333 | 2895 | 2898 | 2903 | rVB3 | 225851 | 284385 | 2.22% | 0.169% |
| 73 | 20.392 | 2904 | 2908 | 2912 | rBV | 691422 | 909216 | 7.11% | 0.540% |
| 74 | 20.433 | 2912 | 2915 | 2919 | rVB | 680833 | 852182 | 6.66% | 0.506% |
| 75 | 20.645 | 2947 | 2951 | 2953 | rBV3 | 204099 | 326032 | 2.55% | 0.194% |
| 76 | 20.675 | 2953 | 2956 | 2959 | rVV3 | 170421 | 269963 | 2.11% | 0.160% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110821\
Data File : BP007880.D
Acq On : 09 Nov 2021 02:02
Operator : CG/JU
Sample : M4569-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
CL-02-110521

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-BP110221.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 20.751 | 2966 | 2969 | 2972 | rVB3 | 175518 | 202290 | 1.58% | 0.120% |
| 78 | 20.833 | 2979 | 2983 | 2989 | rVB | 1351817 | 1764212 | 13.79% | 1.048% |
| 79 | 20.992 | 3004 | 3010 | 3014 | rBV2 | 998468 | 1972217 | 15.42% | 1.171% |
| 80 | 21.033 | 3014 | 3017 | 3020 | rVV | 902925 | 1215560 | 9.50% | 0.722% |
| 81 | 21.075 | 3020 | 3024 | 3028 | rVV2 | 774481 | 1522657 | 11.90% | 0.904% |
| 82 | 21.122 | 3028 | 3032 | 3039 | rVB2 | 1243581 | 1869383 | 14.62% | 1.110% |
| 83 | 21.333 | 3059 | 3068 | 3073 | rBV3 | 5905912 | 10613982 | 82.98% | 6.303% |
| 84 | 21.386 | 3073 | 3077 | 3087 | rVB | 4595649 | 6754661 | 52.81% | 4.011% |
| 85 | 21.469 | 3088 | 3091 | 3094 | rBV3 | 177209 | 213146 | 1.67% | 0.127% |
| 86 | 21.504 | 3094 | 3097 | 3103 | rBV | 480621 | 751126 | 5.87% | 0.446% |
| 87 | 21.669 | 3121 | 3125 | 3130 | rBV2 | 622715 | 997947 | 7.80% | 0.593% |
| 88 | 21.722 | 3131 | 3134 | 3138 | rVV2 | 255959 | 334004 | 2.61% | 0.198% |
| 89 | 21.922 | 3162 | 3168 | 3173 | rBV | 950035 | 1617213 | 12.64% | 0.960% |
| 90 | 21.980 | 3174 | 3178 | 3183 | rVB | 695223 | 1011998 | 7.91% | 0.601% |
| 91 | 22.133 | 3200 | 3204 | 3208 | rBV | 466087 | 727475 | 5.69% | 0.432% |
| 92 | 22.239 | 3218 | 3222 | 3232 | rVB3 | 399904 | 737738 | 5.77% | 0.438% |
| 93 | 23.027 | 3349 | 3356 | 3362 | rBV | 3536904 | 9184817 | 71.81% | 5.455% |
| 94 | 23.210 | 3383 | 3387 | 3395 | rVB | 622716 | 1042457 | 8.15% | 0.619% |
| 95 | 23.551 | 3439 | 3445 | 3455 | rVB | 2107037 | 4536041 | 35.46% | 2.694% |
| 96 | 23.657 | 3456 | 3463 | 3471 | rVV | 2964916 | 5972840 | 46.70% | 3.547% |
| 97 | 23.757 | 3475 | 3480 | 3485 | rVV2 | 1207739 | 2610551 | 20.41% | 1.550% |
| 98 | 23.816 | 3486 | 3490 | 3499 | rVB2 | 857450 | 1893433 | 14.80% | 1.124% |
| 99 | 26.280 | 3900 | 3909 | 3920 | rVB2 | 1733653 | 5449713 | 42.61% | 3.236% |
| 100 | 27.051 | 4032 | 4040 | 4055 | rVB | 1225157 | 4113276 | 32.16% | 2.443% |

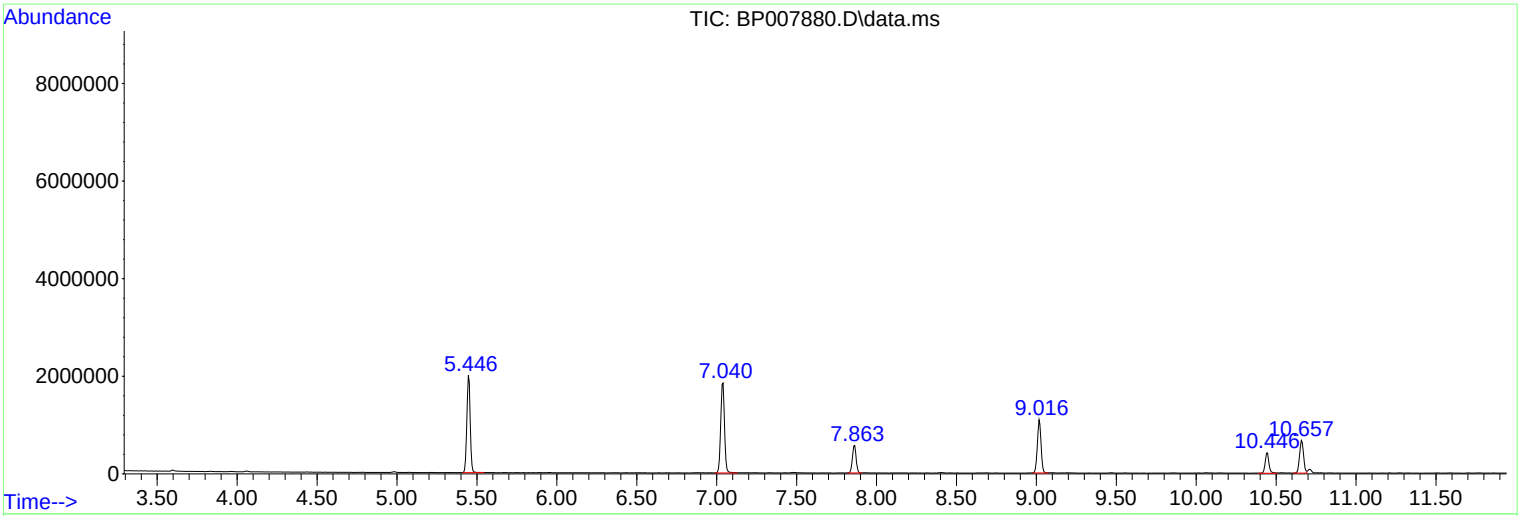
Sum of corrected areas: 168386051

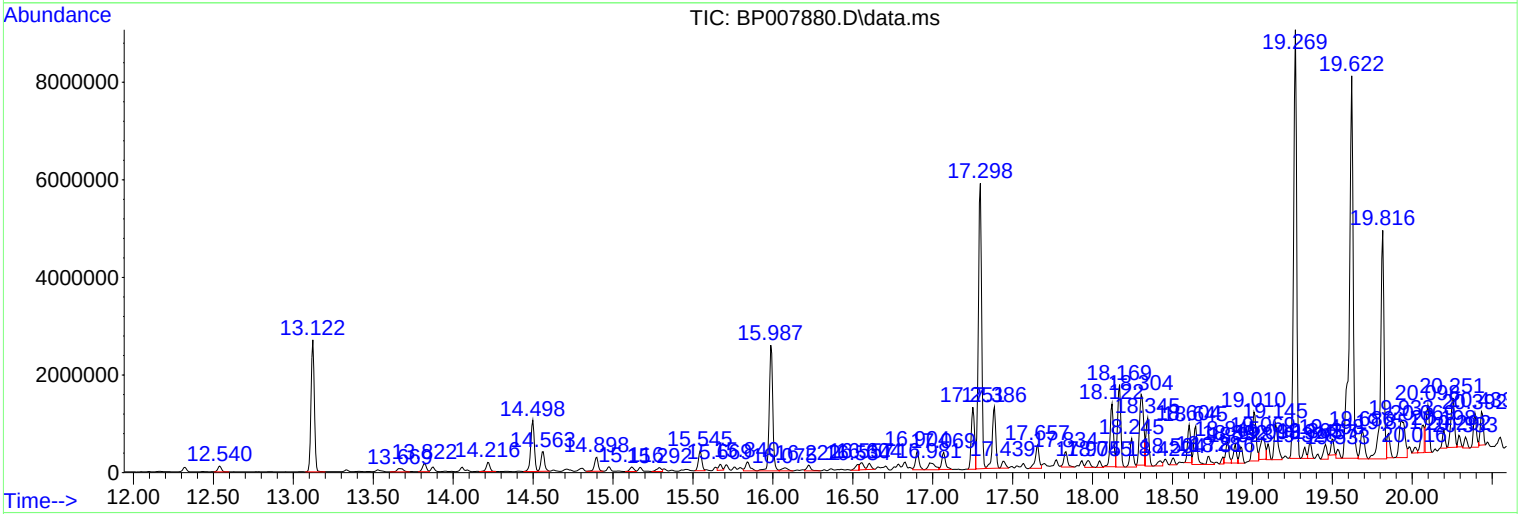
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110821\
Data File : BP007880.D
Acq On : 09 Nov 2021 02:02
Operator : CG/JU
Sample : M4569-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

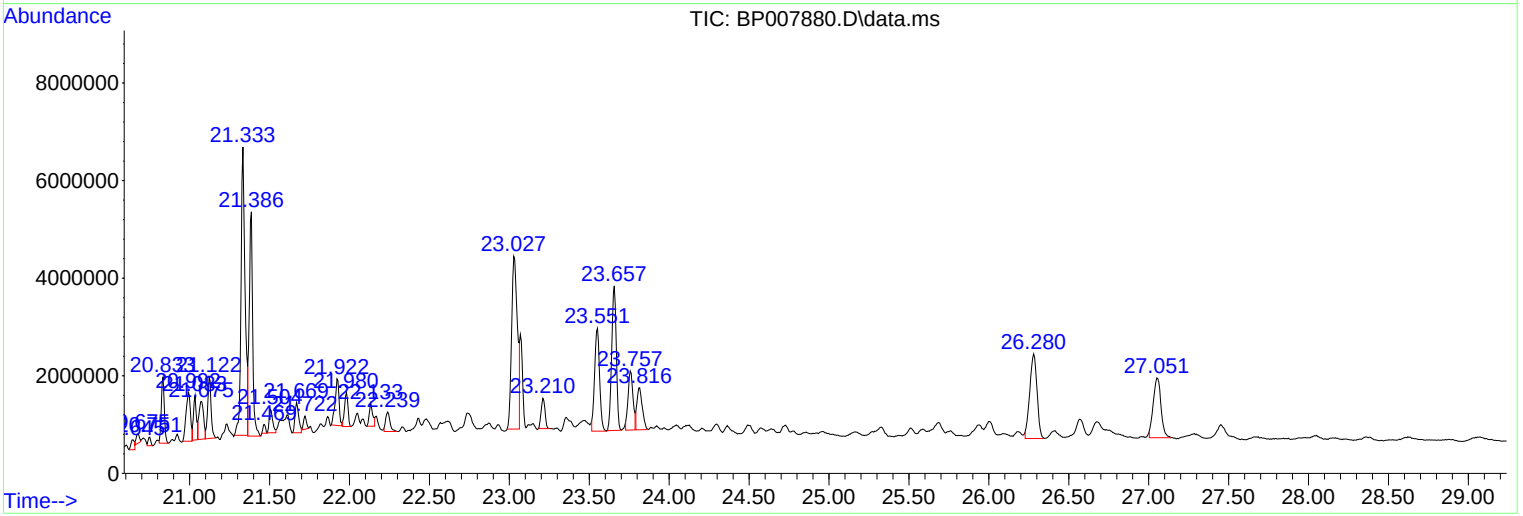
**Instrument :**
BNA_P
**ClientSampleId :**
CL-02-110521

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.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\BP110821\
Data File : BP007880.D
Acq On : 09 Nov 2021 02:02
Operator : CG/JU
Sample : M4569-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
CL-02-110521

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

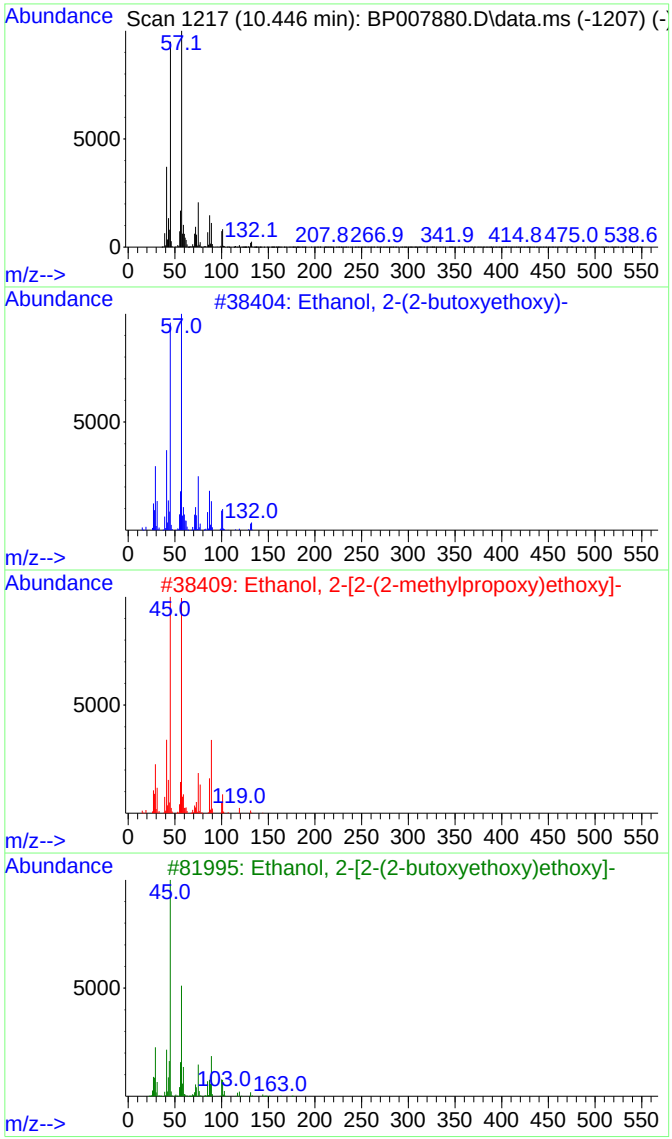
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

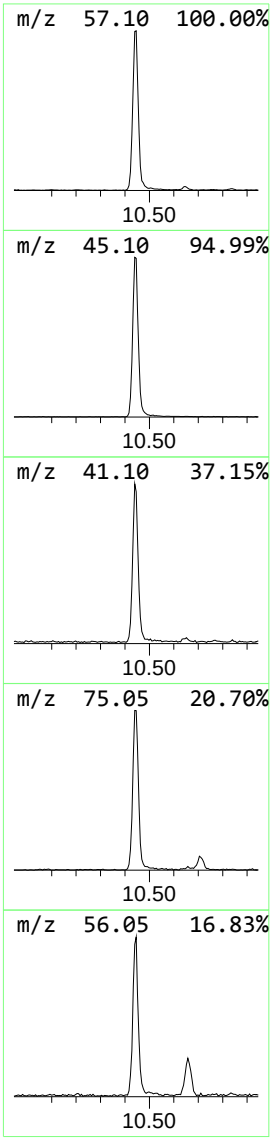
**********

Peak Number 1 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.446 | 11.80 ng | 680076 | Naphthalene-d8 | 10.657 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-(2-butoxyethoxy)- | 162 | C8H18O3 | 000112-34-5 | 91 |
| 2 | Ethanol, 2-[2-(2-methylpropoxy)e... | 162 | C8H18O3 | 018912-80-6 | 64 |
| 3 | Ethanol, 2-[2-(2-butoxyethoxy)et... | 206 | C10H22O4 | 000143-22-6 | 64 |
| 4 | Ethylene glycol monoisobutyl ether | 118 | C6H14O2 | 004439-24-1 | 59 |
| 5 | Ethanol, 1-(2-butoxyethoxy)- | 162 | C8H18O3 | 054446-78-5 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110821\
Data File : BP007880.D
Acq On : 09 Nov 2021 02:02
Operator : CG/JU
Sample : M4569-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
CL-02-110521

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

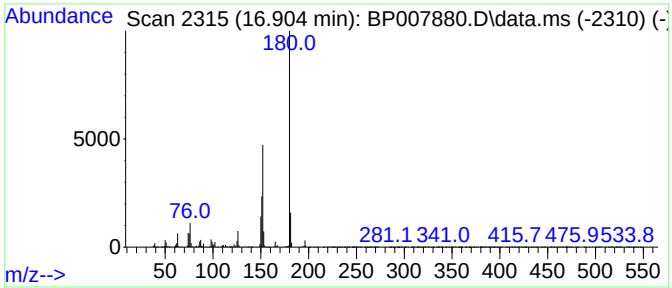
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

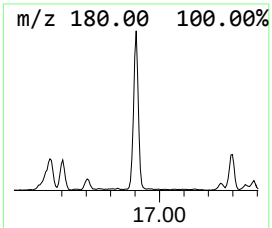
**********

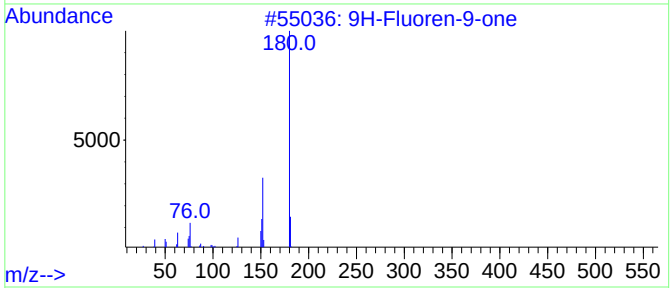
Peak Number 2 9H-Fluoren-9-one Concentration Rank 16

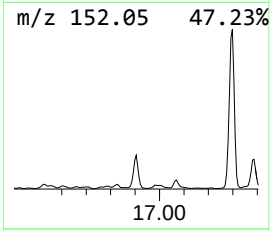
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.904 | 6.28 ng | 584336 | Phenanthrene-d10 | 17.251 |

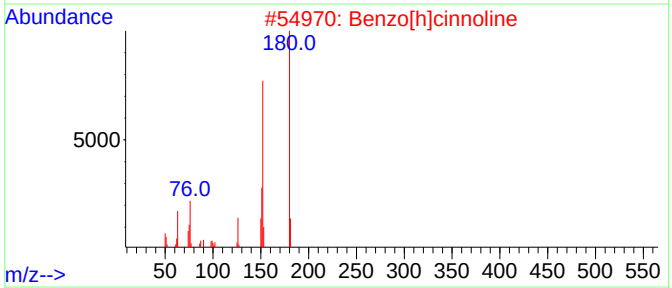
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 96 |
| 2 | Benzo[h]cinnoline | 180 | C12H8N2 | 000230-31-9 | 91 |
| 3 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 78 |
| 4 | 2,3-Diazaphenanthrene | 180 | C12H8N2 | 000229-72-1 | 59 |
| 5 | Phenazine | 180 | C12H8N2 | 000092-82-0 | 43 |

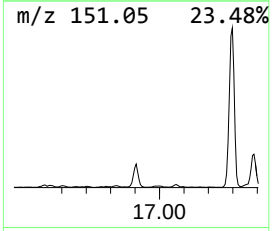


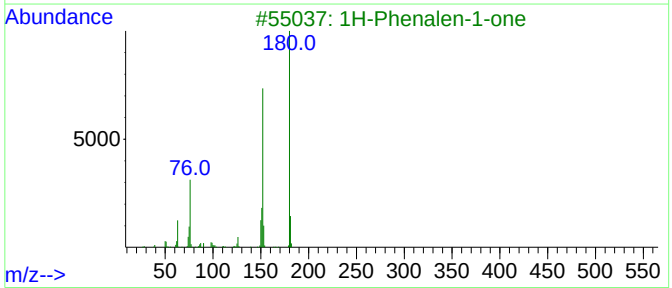



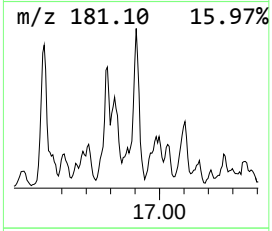



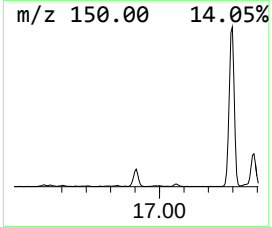



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110821\
Data File : BP007880.D
Acq On : 09 Nov 2021 02:02
Operator : CG/JU
Sample : M4569-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
CL-02-110521

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

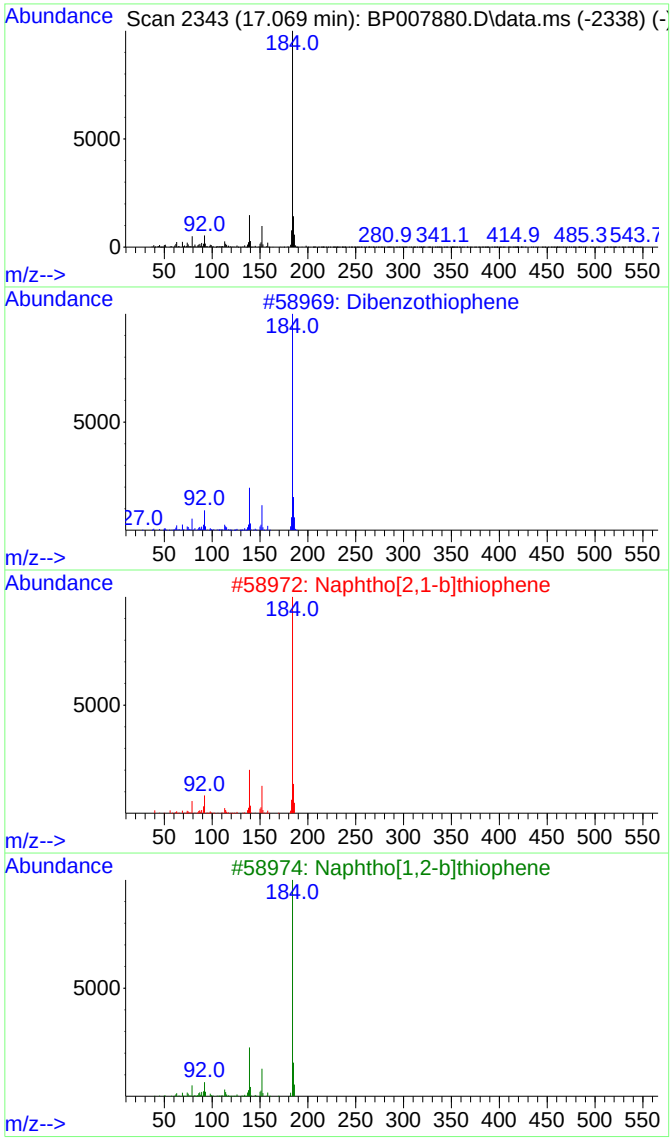
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

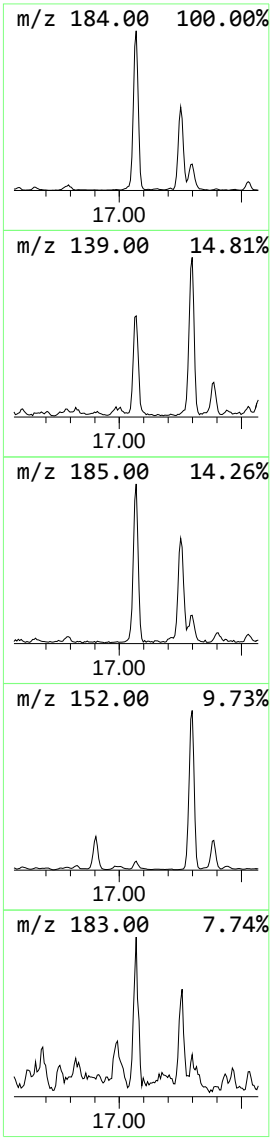
**********

Peak Number 3 Dibenzothiophene Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.069 | 5.96 ng | 553912 | Phenanthrene-d10 | 17.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 97 |
| 2 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 95 |
| 3 | Naphtho[1,2-b]thiophene | 184 | C12H8S | 000234-41-3 | 93 |
| 4 | Naphtho[2,3-b]thiophene | 184 | C12H8S | 000268-77-9 | 93 |
| 5 | Azuleno(2,1-b)thiophene | 184 | C12H8S | 000248-13-5 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110821\
Data File : BP007880.D
Acq On : 09 Nov 2021 02:02
Operator : CG/JU
Sample : M4569-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
CL-02-110521

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

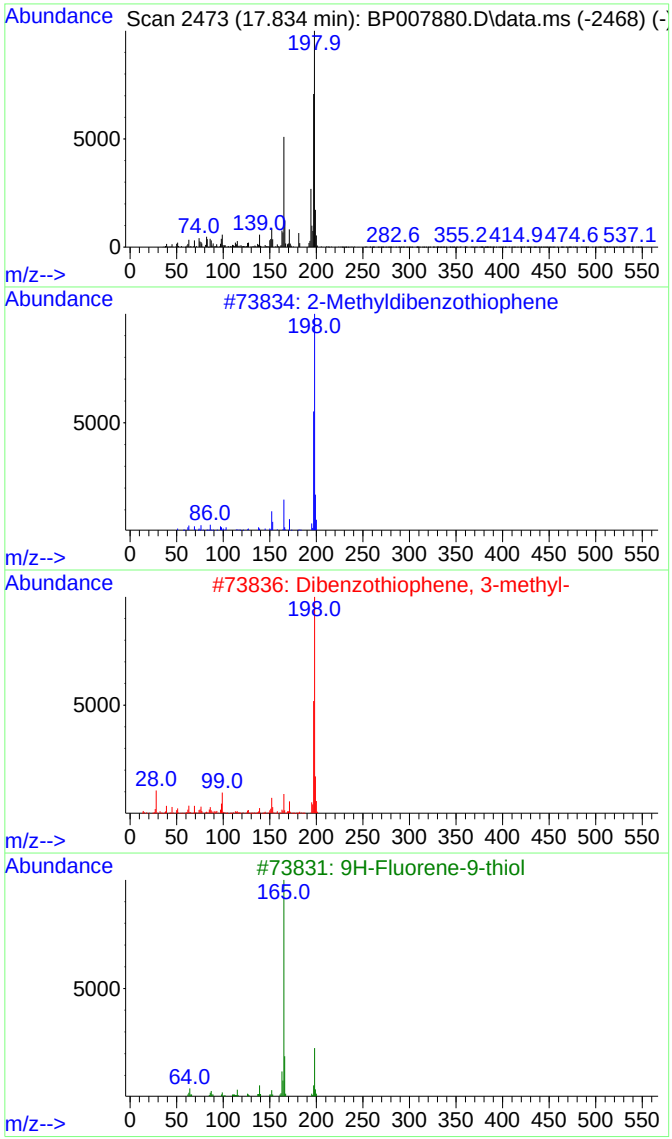
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

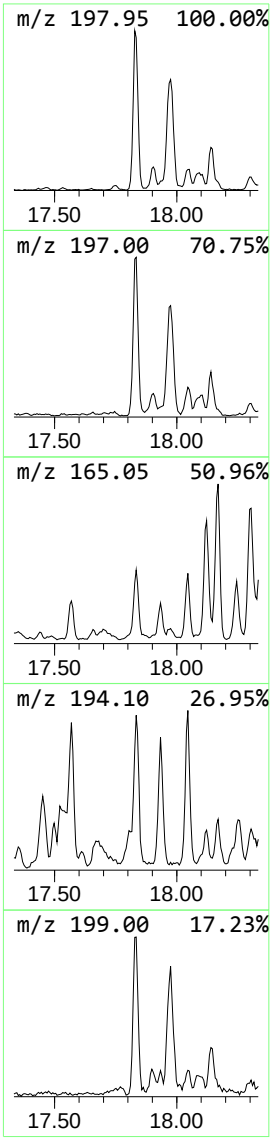
**********

Peak Number 4 2-Methyldibenzothiophene Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.834 | 5.33 ng | 495897 | Phenanthrene-d10 | 17.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Methyldibenzothiophene | 198 | C13H10S | 1000383-55-1 | 80 |
| 2 | Dibenzothiophene, 3-methyl- | 198 | C13H10S | 016587-52-3 | 70 |
| 3 | 9H-Fluorene-9-thiol | 198 | C13H10S | 019552-08-0 | 64 |
| 4 | Dibenzothiophene, 4-methyl- | 198 | C13H10S | 007372-88-5 | 62 |
| 5 | Methanethione, diphenyl- | 198 | C13H10S | 001450-31-3 | 59 |



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Data File : BP007880.D
Acq On : 09 Nov 2021 02:02
Operator : CG/JU
Sample : M4569-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
CL-02-110521

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

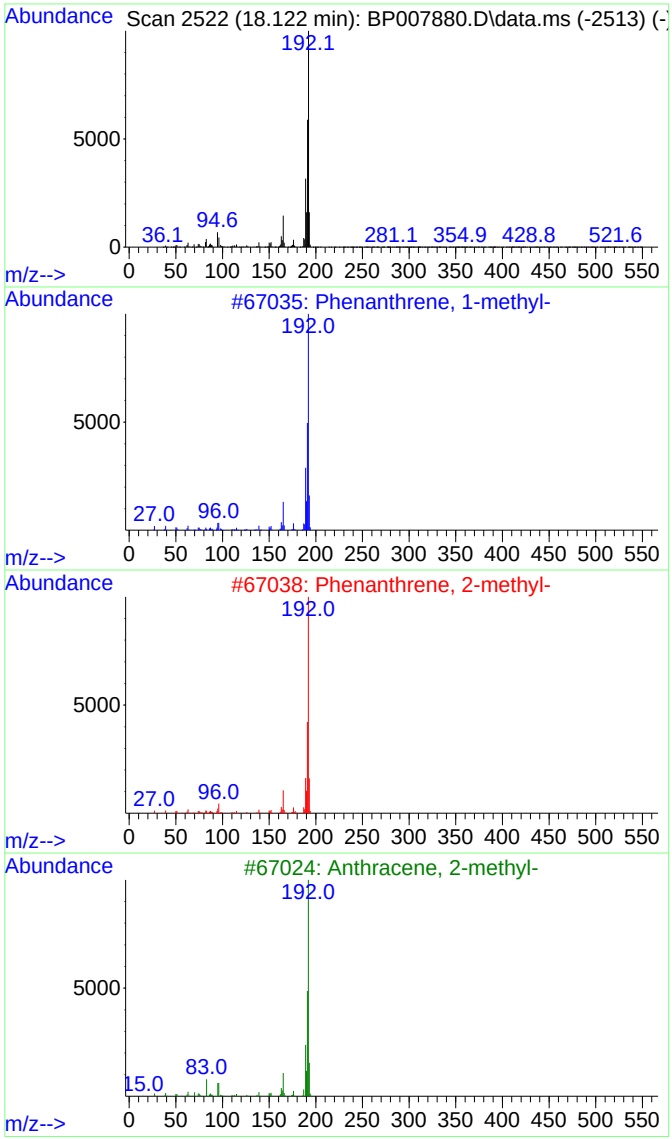
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

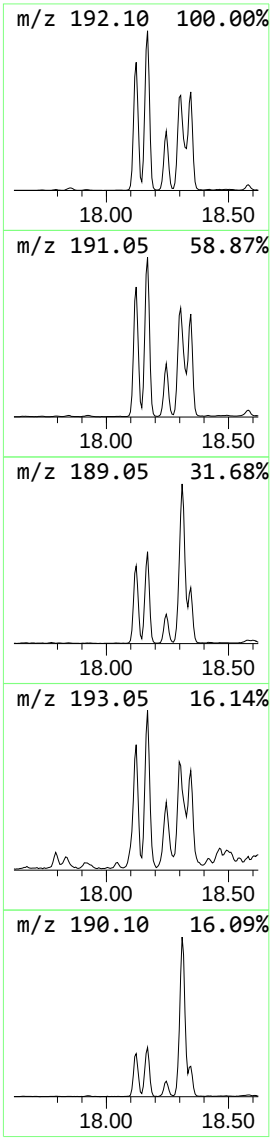
**********

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.122 | 20.80 ng | 1934280 | Phenanthrene-d10 | 17.251 |

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110821\
Data File : BP007880.D
Acq On : 09 Nov 2021 02:02
Operator : CG/JU
Sample : M4569-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
CL-02-110521

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

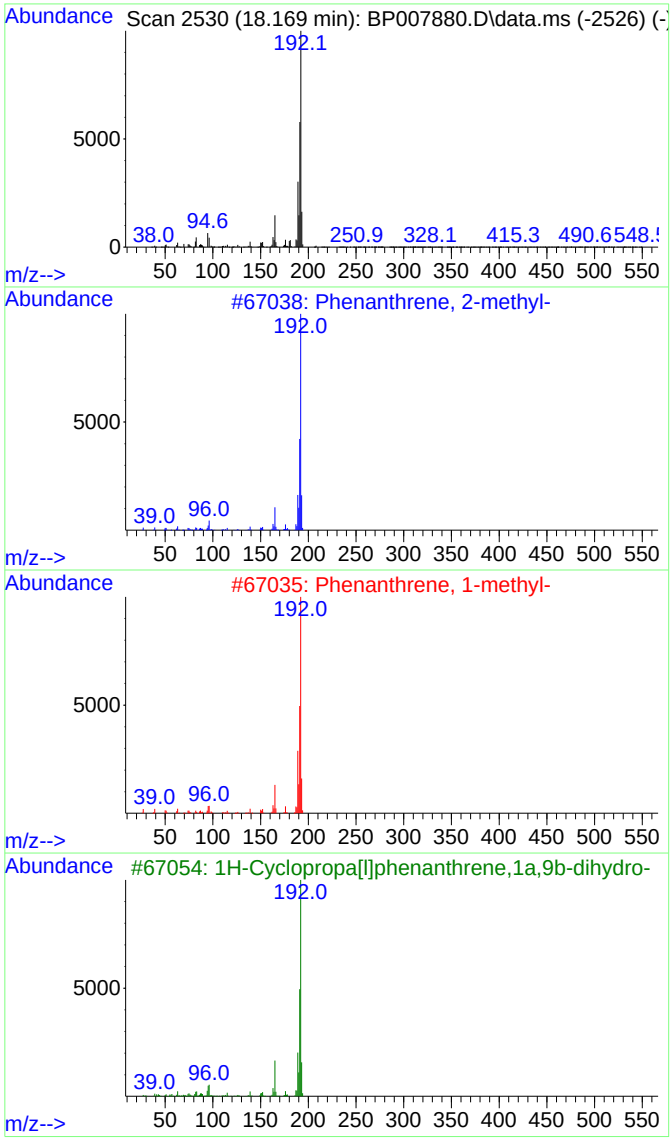
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

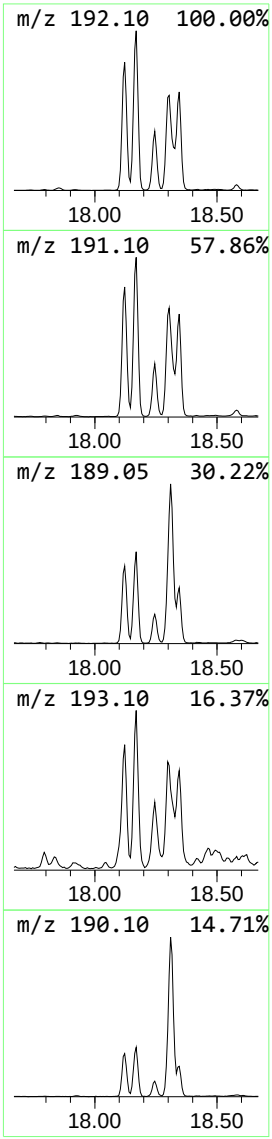
**********

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.169 | 24.64 ng | 2291650 | Phenanthrene-d10 | 17.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 97 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 97 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 96 |
| 4 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 95 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110821\
Data File : BP007880.D
Acq On : 09 Nov 2021 02:02
Operator : CG/JU
Sample : M4569-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
CL-02-110521

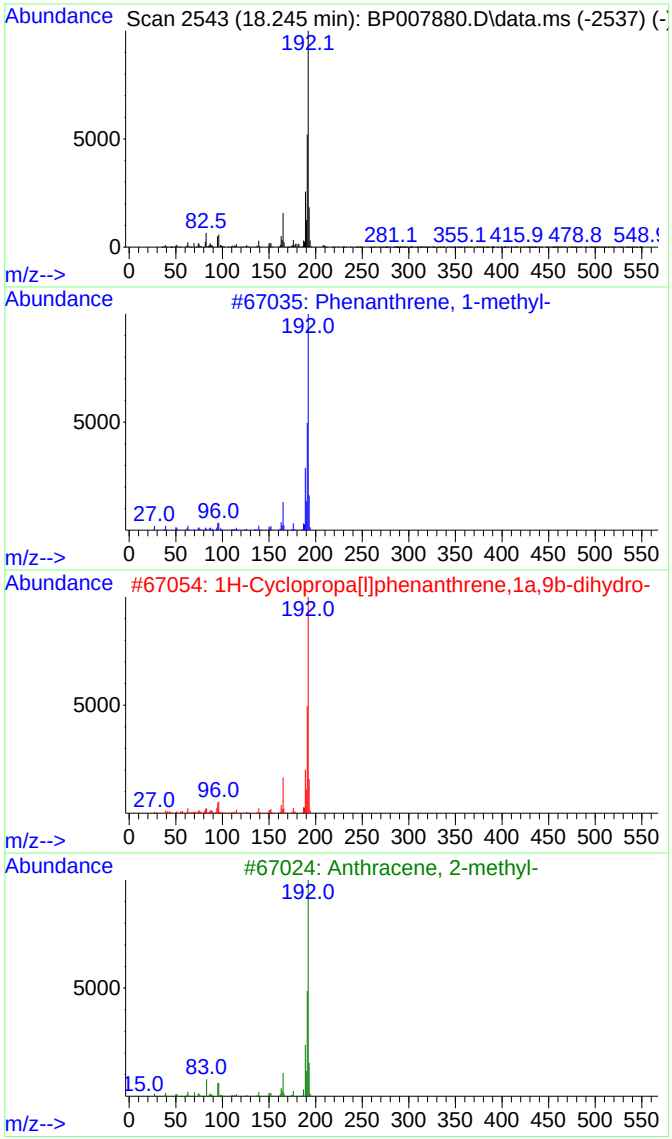
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

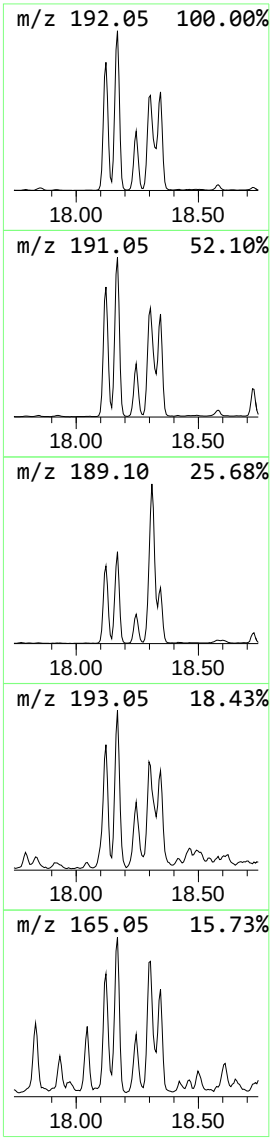
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.245 | 8.95 ng | 832025 | Phenanthrene-d10 | 17.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 2 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 96 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 96 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 5 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110821\
Data File : BP007880.D
Acq On : 09 Nov 2021 02:02
Operator : CG/JU
Sample : M4569-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
CL-02-110521

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

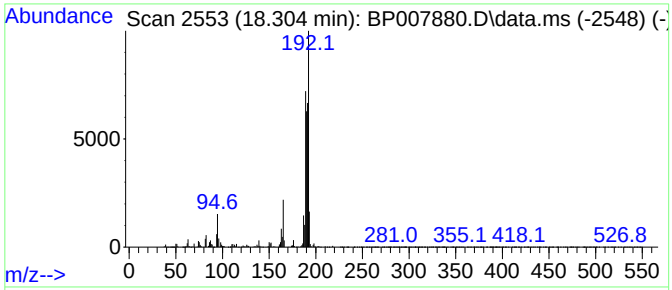
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

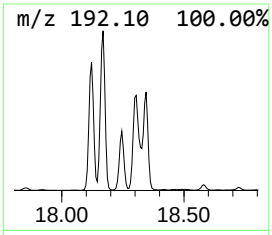
**********

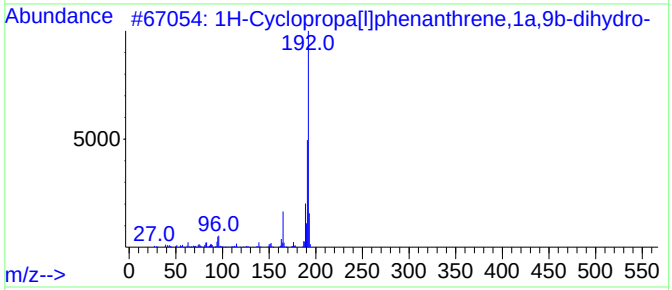
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 2

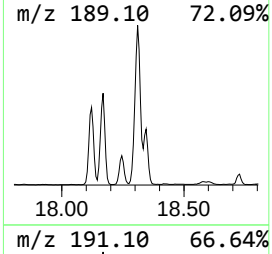
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.304 | 28.17 ng | 2619730 | Phenanthrene-d10 | 17.251 |

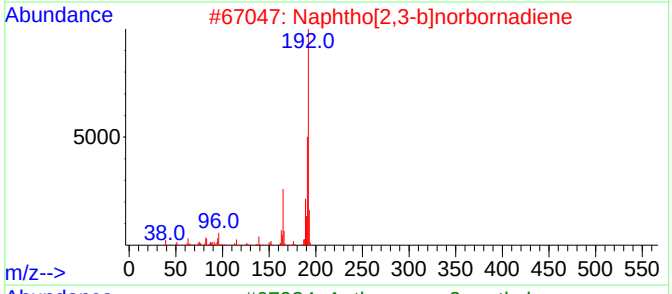
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 60 |
| 2 | Naphtho[2,3-b]norbornadiene | 192 | C15H12 | 107426-38-0 | 60 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 55 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 55 |
| 5 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 55 |

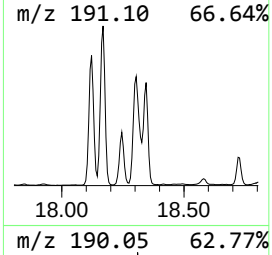


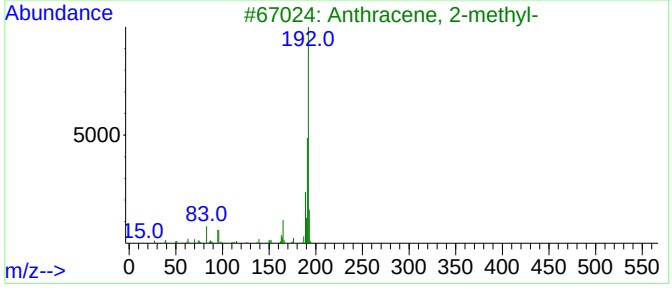



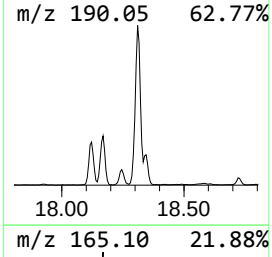



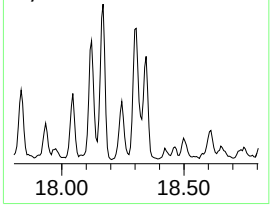



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110821\
Data File : BP007880.D
Acq On : 09 Nov 2021 02:02
Operator : CG/JU
Sample : M4569-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
CL-02-110521

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

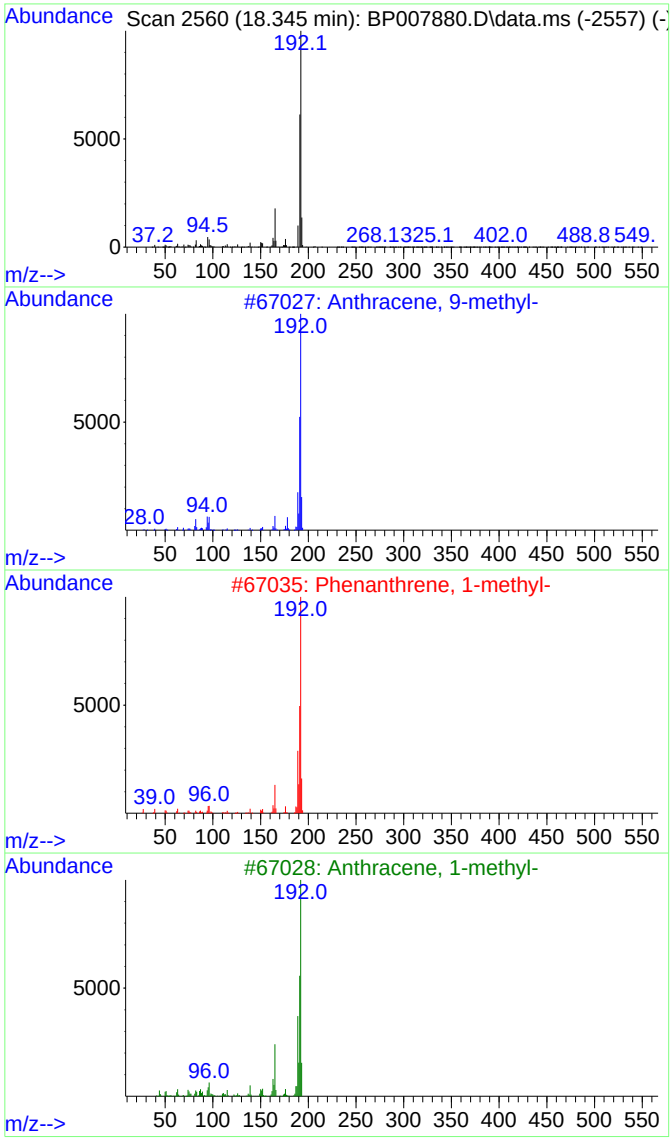
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

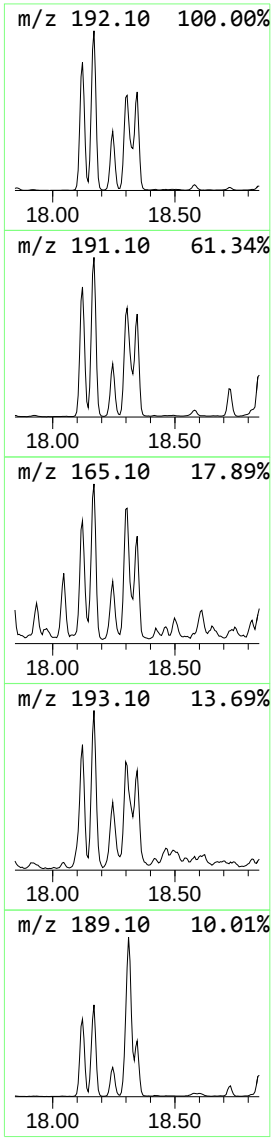
**********

Peak Number 9 Anthracene, 9-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.345 | 13.29 ng | 1236350 | Phenanthrene-d10 | 17.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 91 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 90 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 90 |
| 4 | 1a,9b-Dihydro-1H-cyclopropa[a]an... | 192 | C15H12 | 006109-24-6 | 87 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110821\
Data File : BP007880.D
Acq On : 09 Nov 2021 02:02
Operator : CG/JU
Sample : M4569-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
CL-02-110521

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

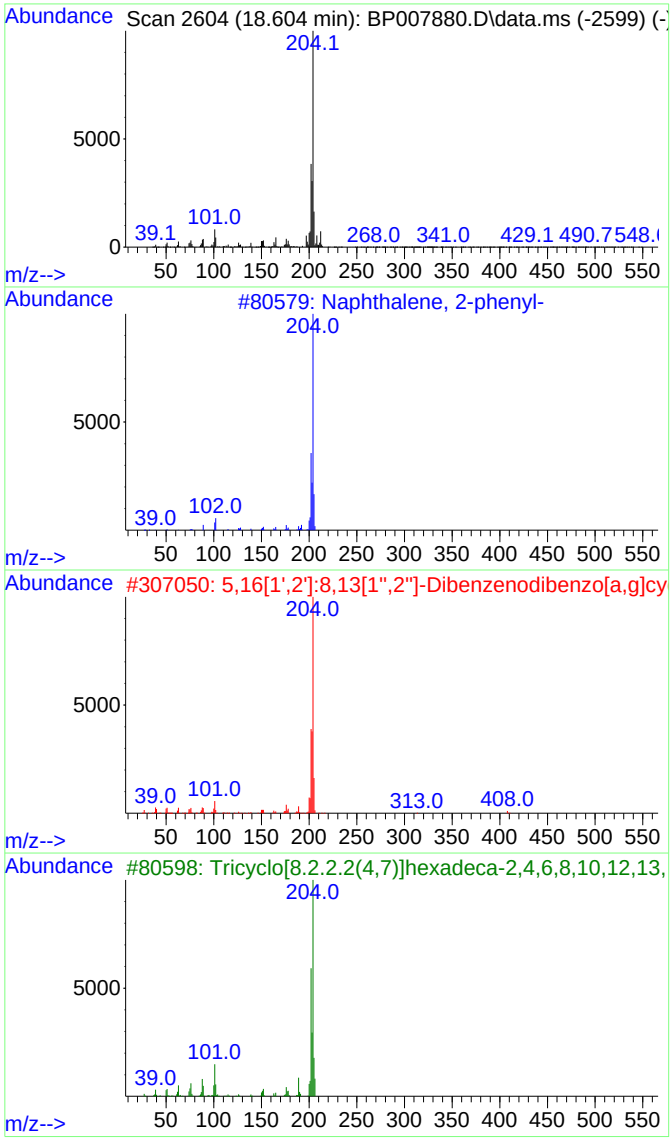
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

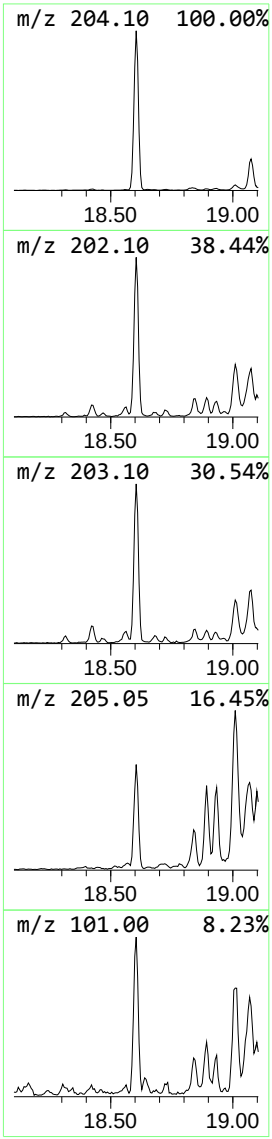
**********

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.604 | 10.77 ng | 1001460 | Phenanthrene-d10 | 17.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 64 |
| 2 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 59 |
| 3 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 58 |
| 4 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 49 |
| 5 | 3,4-Biphenyldicarbonitrile | 204 | C14H8N2 | 004128-63-6 | 47 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110821\
Data File : BP007880.D
Acq On : 09 Nov 2021 02:02
Operator : CG/JU
Sample : M4569-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
CL-02-110521

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

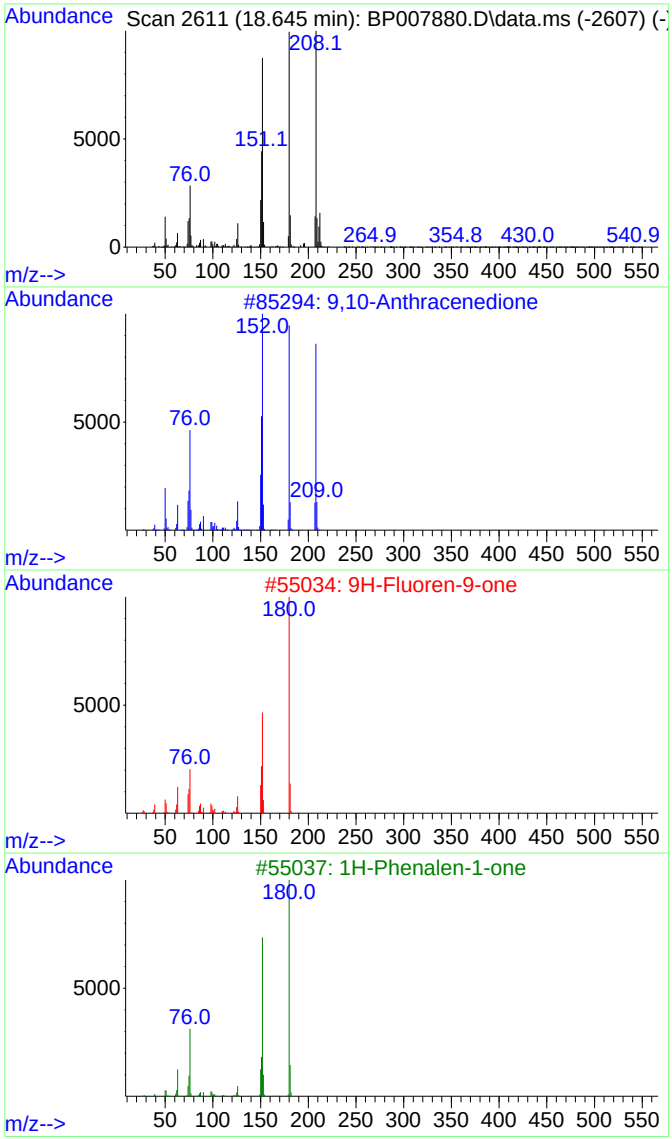
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

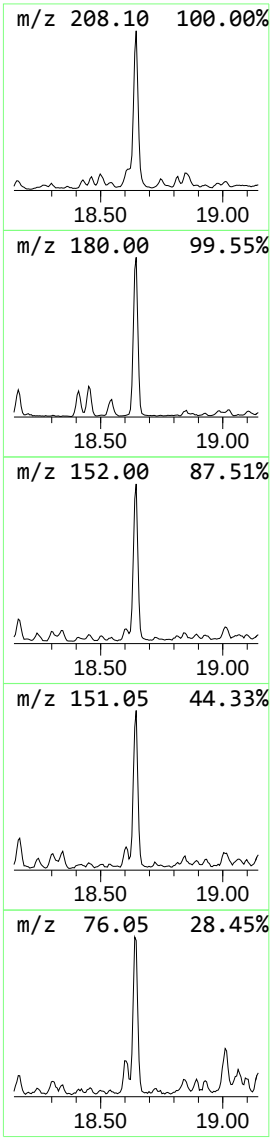
**********

Peak Number 11 9,10-Anthracenedione Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.645 | 12.55 ng | 1167100 | Phenanthrene-d10 | 17.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 99 |
| 2 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 64 |
| 3 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 60 |
| 4 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 60 |
| 5 | 9,10-Phenanthrenedione | 208 | C14H8O2 | 000084-11-7 | 49 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110821\
Data File : BP007880.D
Acq On : 09 Nov 2021 02:02
Operator : CG/JU
Sample : M4569-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
CL-02-110521

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

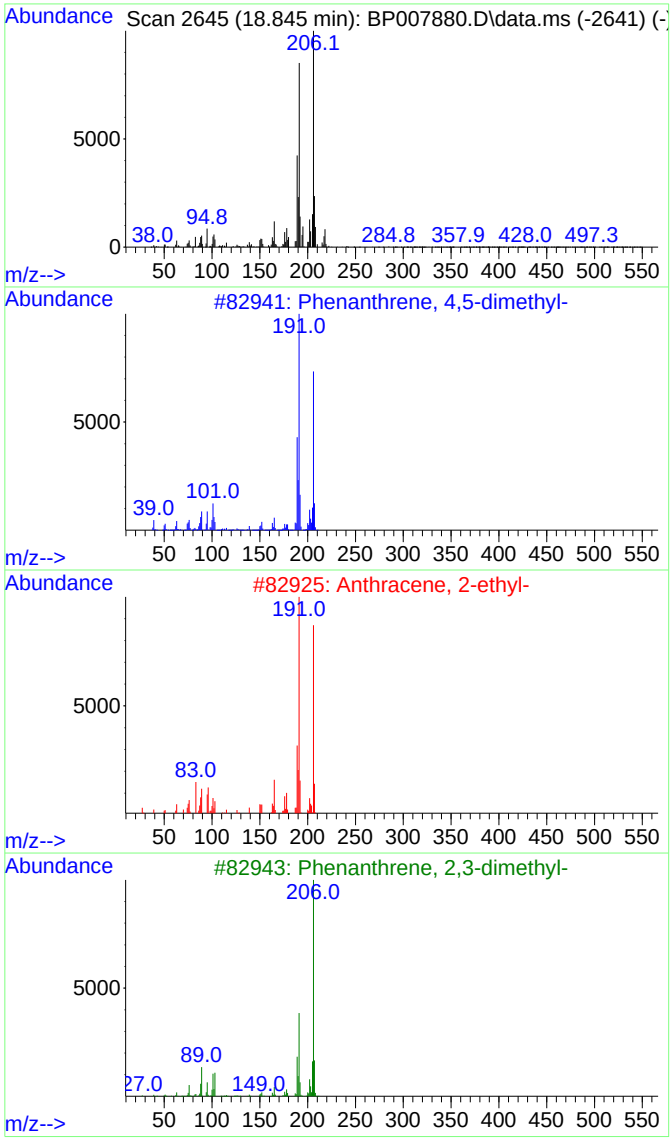
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

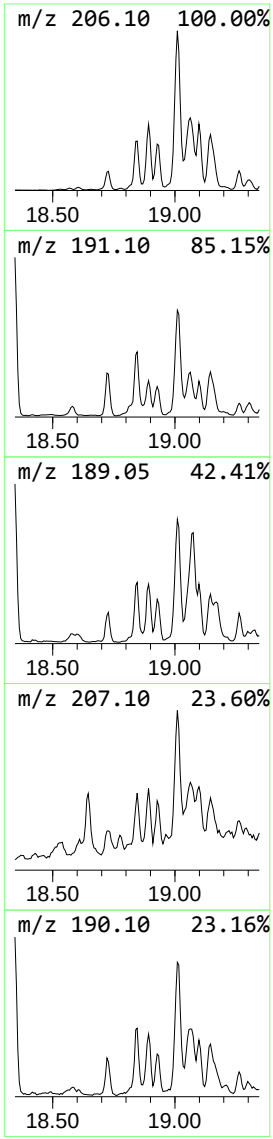
**********

Peak Number 12 Phenanthrene, 4,5-dimethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.845 | 6.72 ng | 624874 | Phenanthrene-d10 | 17.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 4,5-dimethyl- | 206 | C16H14 | 003674-69-9 | 93 |
| 2 | Anthracene, 2-ethyl- | 206 | C16H14 | 052251-71-5 | 90 |
| 3 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 87 |
| 4 | 1,3-Diphenyl-3-methylcyclopropene | 206 | C16H14 | 086544-79-8 | 76 |
| 5 | 1H-Indene, 2-methyl-3-phenyl- | 206 | C16H14 | 035099-60-6 | 70 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110821\
Data File : BP007880.D
Acq On : 09 Nov 2021 02:02
Operator : CG/JU
Sample : M4569-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
CL-02-110521

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.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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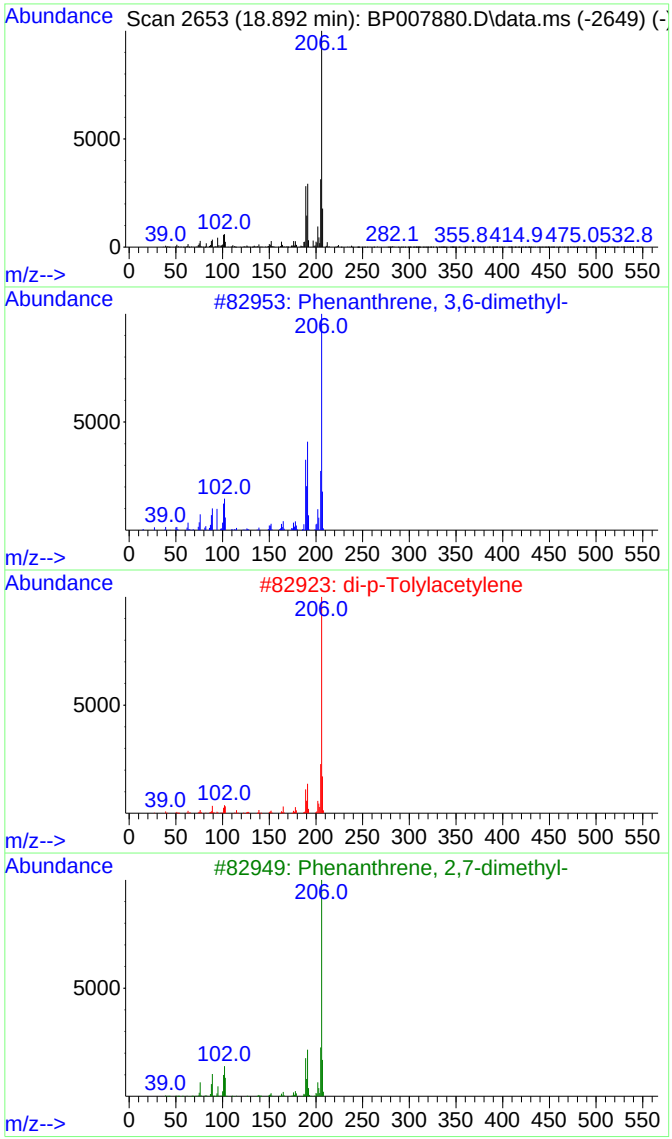
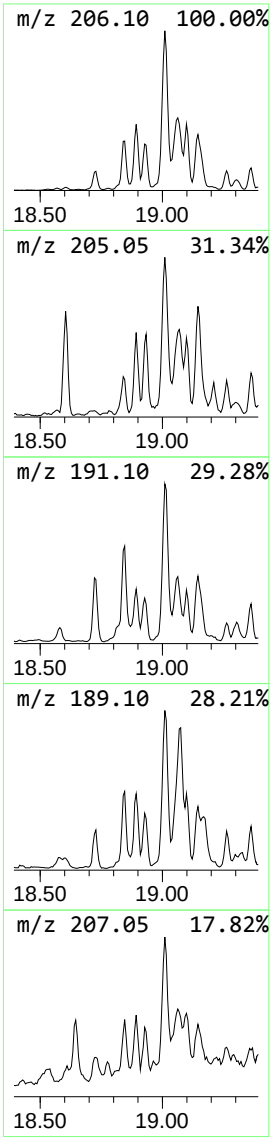
Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.892 | 5.57 ng | 518353 | Phenanthrene-d10 | 17.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 91 |
| 2 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 91 |
| 3 | Phenanthrene, 2,7-dimethyl- | 206 | C16H14 | 001576-69-8 | 87 |
| 4 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 87 |
| 5 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110821\
Data File : BP007880.D
Acq On : 09 Nov 2021 02:02
Operator : CG/JU
Sample : M4569-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
CL-02-110521

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.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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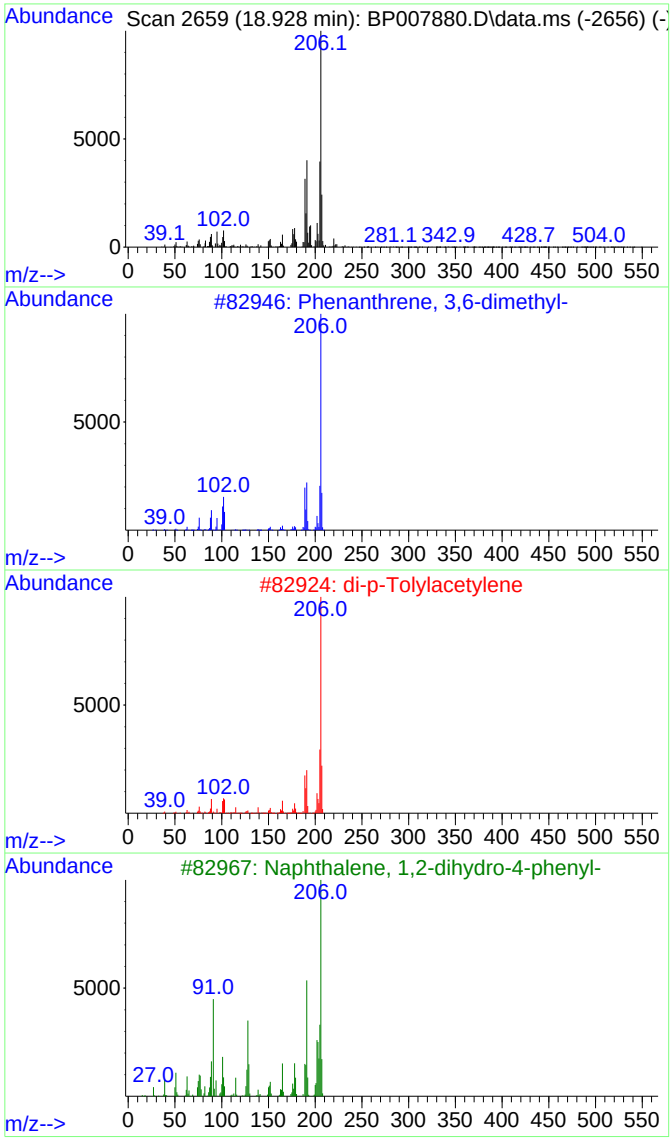
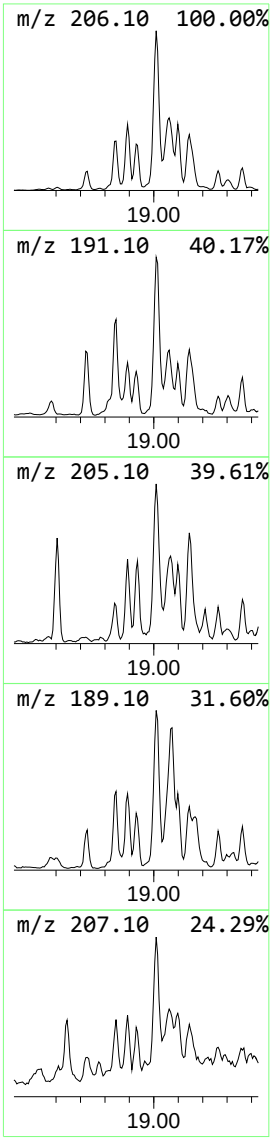
Peak Number 14 di-p-Tolylacetylene Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.928 | 4.71 ng | 437889 | Phenanthrene-d10 | 17.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 89 |
| 2 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 83 |
| 3 | Naphthalene, 1,2-dihydro-4-phenyl- | 206 | C16H14 | 007469-40-1 | 81 |
| 4 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 76 |
| 5 | Naphthalene, 1,2-dihydro-1-phenyl- | 206 | C16H14 | 016606-46-5 | 74 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110821\
Data File : BP007880.D
Acq On : 09 Nov 2021 02:02
Operator : CG/JU
Sample : M4569-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
CL-02-110521

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.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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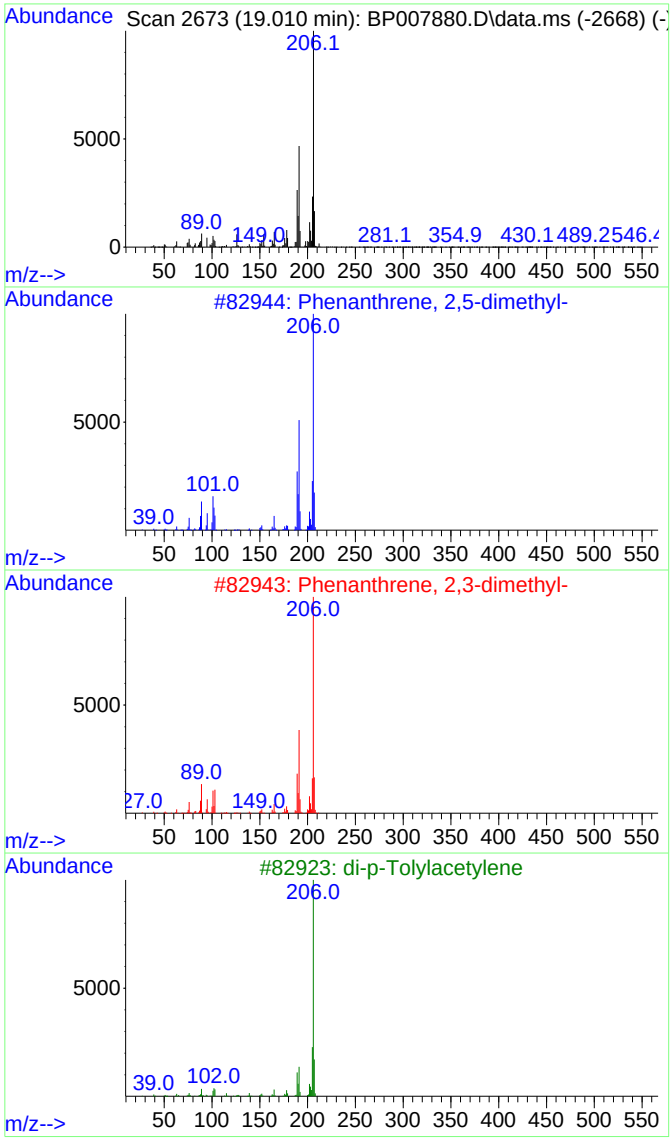
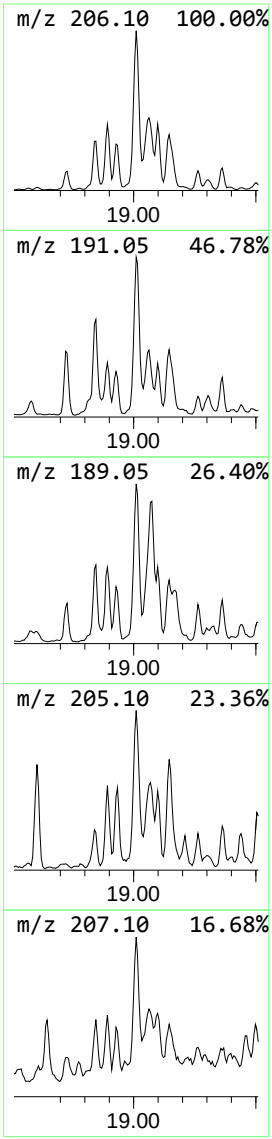
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.010 | 17.76 ng | 1651430 | Phenanthrene-d10 | 17.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 93 |
| 2 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 93 |
| 3 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 91 |
| 4 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 91 |
| 5 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110821\
Data File : BP007880.D
Acq On : 09 Nov 2021 02:02
Operator : CG/JU
Sample : M4569-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
CL-02-110521

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.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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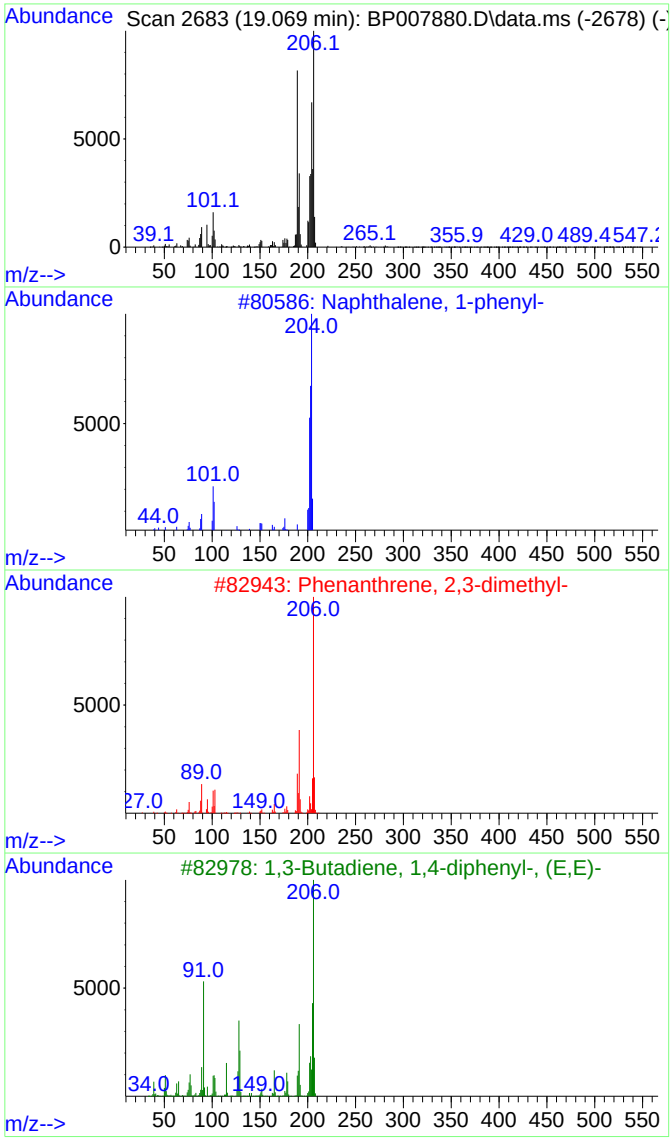
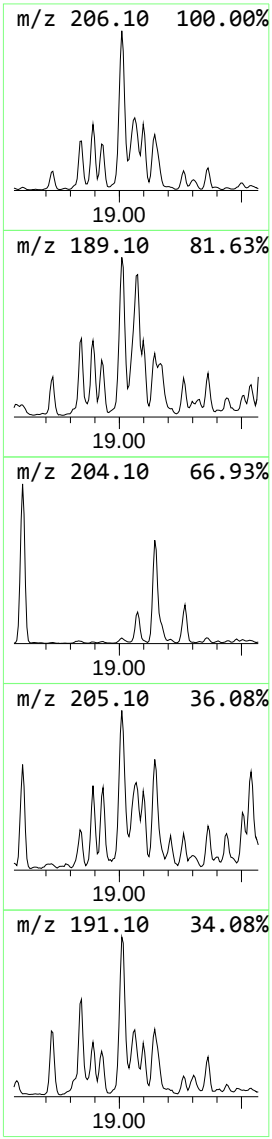
Peak Number 16 Naphthalene, 1-phenyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.069 | 9.96 ng | 926152 | Phenanthrene-d10 | 17.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-phenyl- | 204 | C16H12 | 000605-02-7 | 90 |
| 2 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 41 |
| 3 | 1,3-Butadiene, 1,4-diphenyl-, (E... | 206 | C16H14 | 000538-81-8 | 41 |
| 4 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 38 |
| 5 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110821\
Data File : BP007880.D
Acq On : 09 Nov 2021 02:02
Operator : CG/JU
Sample : M4569-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
CL-02-110521

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.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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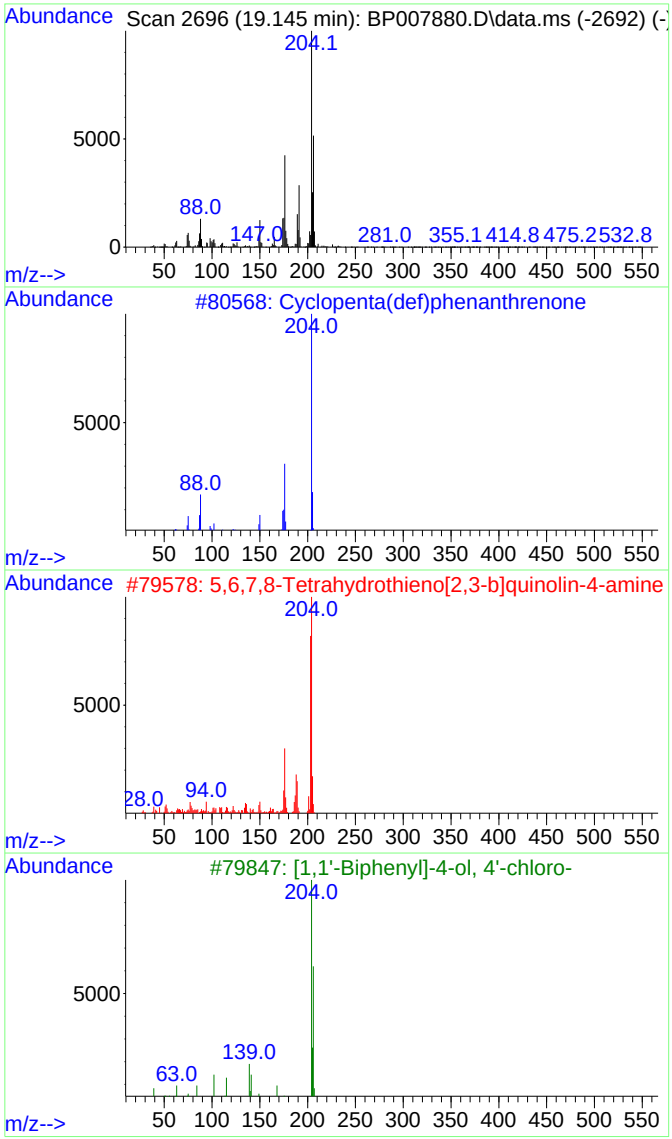
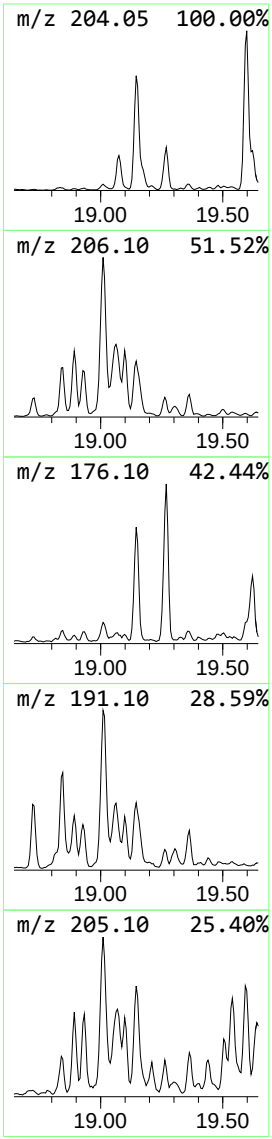
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.145 | 13.04 ng | 1212450 | Phenanthrene-d10 | 17.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 91 |
| 2 | 5,6,7,8-Tetrahydrothieno[2,3-b]q... | 204 | C11H12N2S | 122914-50-5 | 58 |
| 3 | [1,1'-Biphenyl]-4-ol, 4'-chloro- | 204 | C12H9ClO | 028034-99-3 | 49 |
| 4 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 47 |
| 5 | [14]Annulene, 1,6:8,13-bis(metha... | 206 | C16H14 | 085385-68-8 | 42 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110821\
Data File : BP007880.D
Acq On : 09 Nov 2021 02:02
Operator : CG/JU
Sample : M4569-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
CL-02-110521

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.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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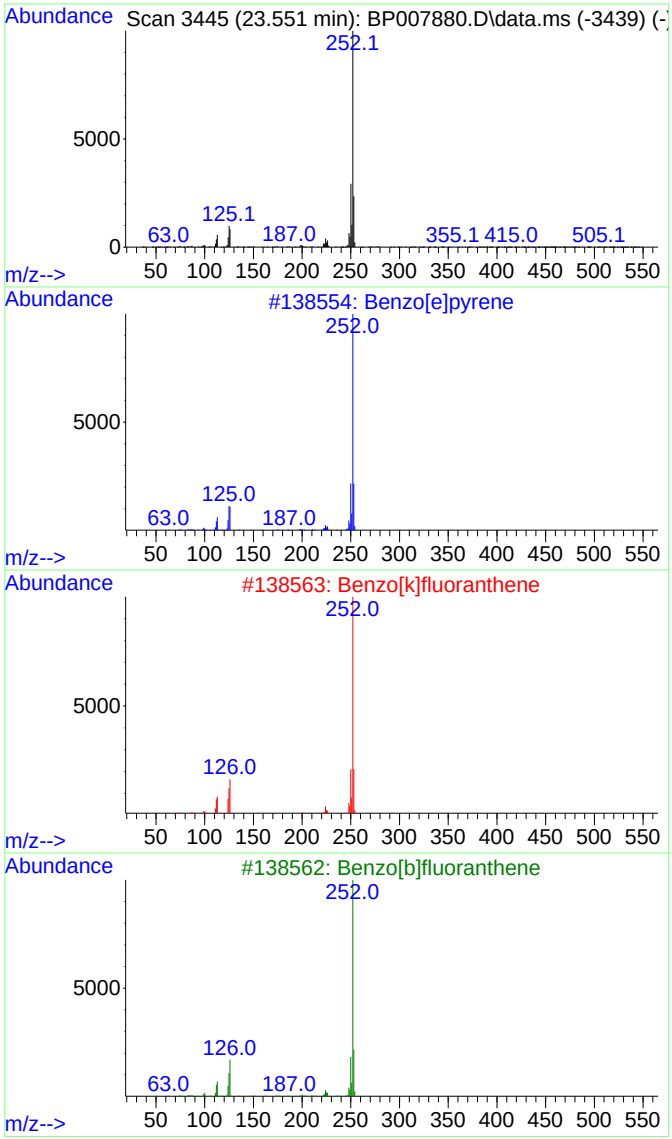
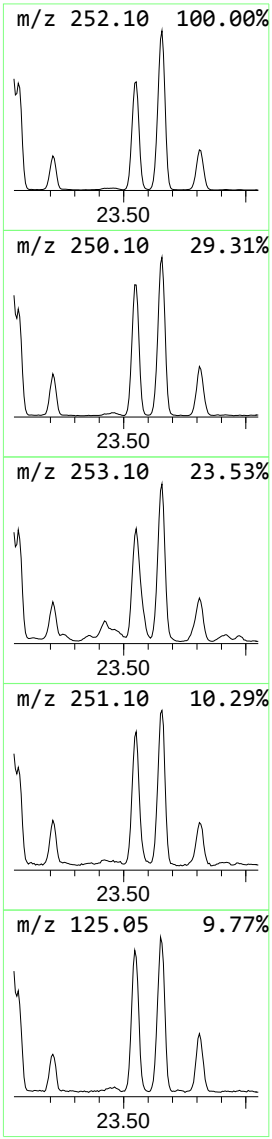
Peak Number 19 Benzo[e]pyrene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.551 | 34.75 ng | 4536040 | Perylene-d12 | 23.757 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 97 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 96 |
| 3 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 95 |
| 4 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 94 |
| 5 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 93 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110821\
Data File : BP007880.D
Acq On : 09 Nov 2021 02:02
Operator : CG/JU
Sample : M4569-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
CL-02-110521

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.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... | 10.446 | 11.8 | ng | 680076 | 2 | 10.657 | 1152750 | 20.0 |
| 9H-Fluoren-9-one | 16.904 | 6.3 | ng | 584336 | 4 | 17.251 | 1859960 | 20.0 |
| Dibenzothiophene | 17.069 | 6.0 | ng | 553912 | 4 | 17.251 | 1859960 | 20.0 |
| 2-Methyldibenzo... | 17.834 | 5.3 | ng | 495897 | 4 | 17.251 | 1859960 | 20.0 |
| Phenanthrene, 1... | 18.122 | 20.8 | ng | 1934280 | 4 | 17.251 | 1859960 | 20.0 |
| Phenanthrene, 2... | 18.169 | 24.6 | ng | 2291650 | 4 | 17.251 | 1859960 | 20.0 |
| 1H-Cyclopropa[l... | 18.245 | 8.9 | ng | 832025 | 4 | 17.251 | 1859960 | 20.0 |
| 1H-Cyclopropa[l... | 18.304 | 28.2 | ng | 2619730 | 4 | 17.251 | 1859960 | 20.0 |
| Anthracene, 9-m... | 18.345 | 13.3 | ng | 1236350 | 4 | 17.251 | 1859960 | 20.0 |
| Naphthalene, 2-... | 18.604 | 10.8 | ng | 1001460 | 4 | 17.251 | 1859960 | 20.0 |
| 9,10-Anthracene... | 18.645 | 12.6 | ng | 1167100 | 4 | 17.251 | 1859960 | 20.0 |
| Phenanthrene, 4... | 18.845 | 6.7 | ng | 624874 | 4 | 17.251 | 1859960 | 20.0 |
| Phenanthrene, 3... | 18.892 | 5.6 | ng | 518353 | 4 | 17.251 | 1859960 | 20.0 |
| di-p-Tolylacety... | 18.928 | 4.7 | ng | 437889 | 4 | 17.251 | 1859960 | 20.0 |
| Phenanthrene, 2... | 19.010 | 17.8 | ng | 1651430 | 4 | 17.251 | 1859960 | 20.0 |
| Naphthalene, 1-... | 19.069 | 10.0 | ng | 926152 | 4 | 17.251 | 1859960 | 20.0 |
| Cyclopenta(def)... | 19.145 | 13.0 | ng | 1212450 | 4 | 17.251 | 1859960 | 20.0 |
| Benzo[e]pyrene | 23.551 | 34.8 | ng | 4536040 | 6 | 23.757 | 2610550 | 20.0 |