

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030519\  
 Data File : BM019057.D  
 Acq On : 06 Mar 2019 04:52  
 Operator : JU/SJ  
 Sample : K1704-03  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PST-027-B113-022719

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM021119.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 5.269       | 365           | 371         | 388          | rBV      | 5655918        | 8279654       | 52.52%          | 4.141%        |
| 2         | 6.857       | 633           | 641         | 661          | rBV      | 5663430        | 9643020       | 61.16%          | 4.823%        |
| 3         | 7.210       | 693           | 701         | 716          | rBV      | 5947273        | 9378066       | 59.48%          | 4.690%        |
| 4         | 7.675       | 773           | 780         | 787          | rBV      | 1147656        | 1818044       | 11.53%          | 0.909%        |
| 5         | 7.987       | 826           | 833         | 853          | rVB      | 4020901        | 6624402       | 42.02%          | 3.313%        |
| 6         | 8.845       | 970           | 979         | 994          | rBV      | 3145523        | 5401415       | 34.26%          | 2.701%        |
| 7         | 10.457      | 1246          | 1253        | 1259         | rBV      | 1432323        | 2427383       | 15.40%          | 1.214%        |
| 8         | 10.510      | 1259          | 1262        | 1274         | rVB      | 127995         | 213897        | 1.36%           | 0.107%        |
| 9         | 11.498      | 1423          | 1430        | 1445         | rBV      | 118568         | 309575        | 1.96%           | 0.155%        |
| 10        | 12.128      | 1531          | 1537        | 1546         | rBV      | 182997         | 308699        | 1.96%           | 0.154%        |
| 11        | 12.351      | 1569          | 1575        | 1580         | rVB      | 193186         | 297086        | 1.88%           | 0.149%        |
| 12        | 12.939      | 1668          | 1675        | 1687         | rBV      | 7682168        | 11218513      | 71.16%          | 5.611%        |
| 13        | 13.498      | 1761          | 1770        | 1778         | rBV5     | 126539         | 353819        | 2.24%           | 0.177%        |
| 14        | 13.639      | 1788          | 1794        | 1799         | rBV      | 250802         | 452325        | 2.87%           | 0.226%        |
| 15        | 13.692      | 1799          | 1803        | 1813         | rVB      | 172526         | 275966        | 1.75%           | 0.138%        |
| 16        | 13.786      | 1813          | 1819        | 1828         | rBV      | 414247         | 595563        | 3.78%           | 0.298%        |
| 17        | 13.875      | 1828          | 1834        | 1838         | rBV2     | 140743         | 239810        | 1.52%           | 0.120%        |
| 18        | 14.045      | 1859          | 1863        | 1874         | rVB      | 142896         | 220404        | 1.40%           | 0.110%        |
| 19        | 14.327      | 1901          | 1911        | 1917         | rBV2     | 2070993        | 3259437       | 20.67%          | 1.630%        |
| 20        | 14.392      | 1917          | 1922        | 1929         | rVB      | 813604         | 1249415       | 7.92%           | 0.625%        |
| 21        | 14.727      | 1968          | 1979        | 1987         | rVV      | 628691         | 995883        | 6.32%           | 0.498%        |
| 22        | 14.939      | 2010          | 2015        | 2021         | rBV2     | 118216         | 231023        | 1.47%           | 0.116%        |
| 23        | 15.116      | 2037          | 2045        | 2048         | rBV2     | 117724         | 230795        | 1.46%           | 0.115%        |
| 24        | 15.380      | 2083          | 2090        | 2099         | rVB      | 714017         | 1217868       | 7.72%           | 0.609%        |
| 25        | 15.498      | 2108          | 2110        | 2114         | rVV      | 147521         | 205776        | 1.31%           | 0.103%        |
| 26        | 15.539      | 2114          | 2117        | 2121         | rVB      | 181174         | 241515        | 1.53%           | 0.121%        |
| 27        | 15.669      | 2135          | 2139        | 2146         | rVB      | 366260         | 569921        | 3.61%           | 0.285%        |
| 28        | 15.827      | 2159          | 2166        | 2174         | rBV      | 7215975        | 10418563      | 66.08%          | 5.211%        |
| 29        | 15.910      | 2174          | 2180        | 2186         | rVB3     | 122939         | 276633        | 1.75%           | 0.138%        |
| 30        | 16.057      | 2196          | 2205        | 2216         | rVB5     | 111809         | 324939        | 2.06%           | 0.163%        |
| 31        | 16.363      | 2249          | 2257        | 2258         | rBV3     | 206771         | 329531        | 2.09%           | 0.165%        |
| 32        | 16.380      | 2258          | 2260        | 2265         | rVV2     | 231022         | 339286        | 2.15%           | 0.170%        |
| 33        | 16.433      | 2265          | 2269        | 2274         | rVB2     | 124145         | 206766        | 1.31%           | 0.103%        |
| 34        | 16.610      | 2290          | 2299        | 2302         | rBV3     | 247400         | 492329        | 3.12%           | 0.246%        |

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 BNA\_M  
 ClientSampleId :  
 PST-027-B113-022719

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM021119.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |          |          |         |        |
|----|--------|------|------|------|------|----------|----------|---------|--------|
| 35 | 16.651 | 2302 | 2306 | 2309 | rVB2 | 193002   | 251001   | 1.59%   | 0.126% |
| 36 | 16.739 | 2316 | 2321 | 2327 | rVB  | 547799   | 760573   | 4.82%   | 0.380% |
| 37 | 16.804 | 2327 | 2332 | 2340 | rVV2 | 268541   | 603295   | 3.83%   | 0.302% |
| 38 | 16.898 | 2344 | 2348 | 2356 | rVV  | 414594   | 648175   | 4.11%   | 0.324% |
| 39 | 17.080 | 2373 | 2379 | 2382 | rVV  | 2662206  | 3744596  | 23.75%  | 1.873% |
| 40 | 17.127 | 2382 | 2387 | 2393 | rVV  | 7609480  | 10460138 | 66.35%  | 5.232% |
| 41 | 17.215 | 2394 | 2402 | 2407 | rVV  | 1884192  | 2910238  | 18.46%  | 1.456% |
| 42 | 17.280 | 2410 | 2413 | 2421 | rVB  | 180145   | 326436   | 2.07%   | 0.163% |
| 43 | 17.492 | 2440 | 2449 | 2456 | rBV2 | 628693   | 1417761  | 8.99%   | 0.709% |
| 44 | 17.598 | 2463 | 2467 | 2474 | rBV4 | 160365   | 301570   | 1.91%   | 0.151% |
| 45 | 17.663 | 2474 | 2478 | 2486 | rVB5 | 158279   | 301665   | 1.91%   | 0.151% |
| 46 | 17.957 | 2518 | 2528 | 2533 | rBV2 | 1232108  | 2810374  | 17.83%  | 1.406% |
| 47 | 18.004 | 2533 | 2536 | 2542 | rVV  | 1631796  | 2174952  | 13.80%  | 1.088% |
| 48 | 18.086 | 2545 | 2550 | 2555 | rVB  | 645873   | 939008   | 5.96%   | 0.470% |
| 49 | 18.151 | 2555 | 2561 | 2565 | rBV2 | 1171353  | 2335500  | 14.81%  | 1.168% |
| 50 | 18.186 | 2565 | 2567 | 2574 | rVB  | 727223   | 890764   | 5.65%   | 0.446% |
| 51 | 18.268 | 2574 | 2581 | 2585 | rBV4 | 192405   | 321642   | 2.04%   | 0.161% |
| 52 | 18.462 | 2609 | 2614 | 2618 | rVV  | 687272   | 888874   | 5.64%   | 0.445% |
| 53 | 18.510 | 2618 | 2622 | 2628 | rVV  | 612092   | 799263   | 5.07%   | 0.400% |
| 54 | 18.709 | 2651 | 2656 | 2660 | rBV3 | 218431   | 334446   | 2.12%   | 0.167% |
| 55 | 18.757 | 2660 | 2664 | 2667 | rVV  | 219259   | 272881   | 1.73%   | 0.136% |
| 56 | 18.792 | 2667 | 2670 | 2674 | rVB2 | 242020   | 309482   | 1.96%   | 0.155% |
| 57 | 18.874 | 2679 | 2684 | 2689 | rVV  | 529455   | 991244   | 6.29%   | 0.496% |
| 58 | 18.939 | 2692 | 2695 | 2698 | rVV3 | 333766   | 575693   | 3.65%   | 0.288% |
| 59 | 18.968 | 2698 | 2700 | 2704 | rVV  | 285215   | 363915   | 2.31%   | 0.182% |
| 60 | 19.021 | 2704 | 2709 | 2717 | rVB2 | 468840   | 983901   | 6.24%   | 0.492% |
| 61 | 19.145 | 2724 | 2730 | 2737 | rVB  | 7023913  | 9820438  | 62.29%  | 4.912% |
| 62 | 19.251 | 2744 | 2748 | 2753 | rBV2 | 377016   | 570203   | 3.62%   | 0.285% |
| 63 | 19.351 | 2760 | 2765 | 2767 | rBV3 | 162826   | 252538   | 1.60%   | 0.126% |
| 64 | 19.392 | 2768 | 2772 | 2775 | rVB2 | 158302   | 235357   | 1.49%   | 0.118% |
| 65 | 19.480 | 2782 | 2787 | 2789 | rBV2 | 1543663  | 2295206  | 14.56%  | 1.148% |
| 66 | 19.509 | 2789 | 2792 | 2800 | rVV  | 5349614  | 7682977  | 48.73%  | 3.843% |
| 67 | 19.580 | 2800 | 2804 | 2811 | rVB2 | 595300   | 900347   | 5.71%   | 0.450% |
| 68 | 19.715 | 2818 | 2827 | 2832 | rBV  | 11862724 | 15765951 | 100.00% | 7.885% |
| 69 | 19.756 | 2832 | 2834 | 2839 | rVB  | 360922   | 435840   | 2.76%   | 0.218% |
| 70 | 19.833 | 2841 | 2847 | 2855 | rBV3 | 582351   | 1441025  | 9.14%   | 0.721% |
| 71 | 19.904 | 2855 | 2859 | 2865 | rVB3 | 146015   | 296838   | 1.88%   | 0.148% |

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 ClientSampleId :  
 PST-027-B113-022719

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

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Filtering: 5

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Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM021119.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 72  | 19.968 | 2865 | 2870 | 2873 | rBV5 | 488041  | 958778  | 6.08%  | 0.480% |
| 73  | 20.009 | 2874 | 2877 | 2882 | rVB  | 843428  | 1091235 | 6.92%  | 0.546% |
| 74  | 20.109 | 2890 | 2894 | 2897 | rBV  | 335431  | 456491  | 2.90%  | 0.228% |
| 75  | 20.162 | 2897 | 2903 | 2907 | rBV2 | 712011  | 1318821 | 8.36%  | 0.660% |
| 76  | 20.204 | 2907 | 2910 | 2913 | rVB  | 225230  | 236057  | 1.50%  | 0.118% |
| 77  | 20.245 | 2913 | 2917 | 2921 | rVB2 | 209121  | 274539  | 1.74%  | 0.137% |
| 78  | 20.304 | 2923 | 2927 | 2931 | rBV  | 379791  | 511366  | 3.24%  | 0.256% |
| 79  | 20.351 | 2931 | 2935 | 2939 | rBV2 | 363595  | 515615  | 3.27%  | 0.258% |
| 80  | 20.592 | 2967 | 2976 | 2979 | rBV8 | 185747  | 503096  | 3.19%  | 0.252% |
| 81  | 20.756 | 3000 | 3004 | 3010 | rBV  | 934736  | 1142779 | 7.25%  | 0.572% |
| 82  | 20.921 | 3025 | 3032 | 3035 | rBV3 | 577532  | 1085421 | 6.88%  | 0.543% |
| 83  | 20.974 | 3035 | 3041 | 3044 | rBV2 | 1353584 | 1949713 | 12.37% | 0.975% |
| 84  | 21.056 | 3051 | 3055 | 3065 | rVB  | 895913  | 1357648 | 8.61%  | 0.679% |
| 85  | 21.274 | 3082 | 3092 | 3096 | rBV3 | 4730968 | 9913442 | 62.88% | 4.958% |
| 86  | 21.315 | 3096 | 3099 | 3108 | rVB  | 2922525 | 3761462 | 23.86% | 1.881% |
| 87  | 21.427 | 3114 | 3118 | 3126 | rVB2 | 304487  | 503300  | 3.19%  | 0.252% |
| 88  | 21.492 | 3126 | 3129 | 3131 | rBV3 | 161422  | 218407  | 1.39%  | 0.109% |
| 89  | 21.598 | 3142 | 3147 | 3151 | rBV3 | 431796  | 633904  | 4.02%  | 0.317% |
| 90  | 21.768 | 3173 | 3176 | 3179 | rBV  | 224114  | 282058  | 1.79%  | 0.141% |
| 91  | 21.821 | 3182 | 3185 | 3190 | rVV  | 738820  | 1158159 | 7.35%  | 0.579% |
| 92  | 21.868 | 3190 | 3193 | 3201 | rVB2 | 669645  | 1131288 | 7.18%  | 0.566% |
| 93  | 22.021 | 3216 | 3219 | 3222 | rBV2 | 257740  | 356907  | 2.26%  | 0.179% |
| 94  | 22.309 | 3264 | 3268 | 3273 | rBV4 | 333966  | 543757  | 3.45%  | 0.272% |
| 95  | 22.850 | 3354 | 3360 | 3365 | rBV  | 1730451 | 4158976 | 26.38% | 2.080% |
| 96  | 23.015 | 3384 | 3388 | 3399 | rVB  | 382511  | 628589  | 3.99%  | 0.314% |
| 97  | 23.327 | 3436 | 3441 | 3447 | rBV  | 835591  | 1511129 | 9.58%  | 0.756% |
| 98  | 23.421 | 3452 | 3457 | 3465 | rVB  | 1635451 | 2840373 | 18.02% | 1.421% |
| 99  | 23.521 | 3468 | 3474 | 3479 | rBV  | 1973493 | 3724600 | 23.62% | 1.863% |
| 100 | 25.791 | 3853 | 3860 | 3870 | rVB2 | 745573  | 2113625 | 13.41% | 1.057% |

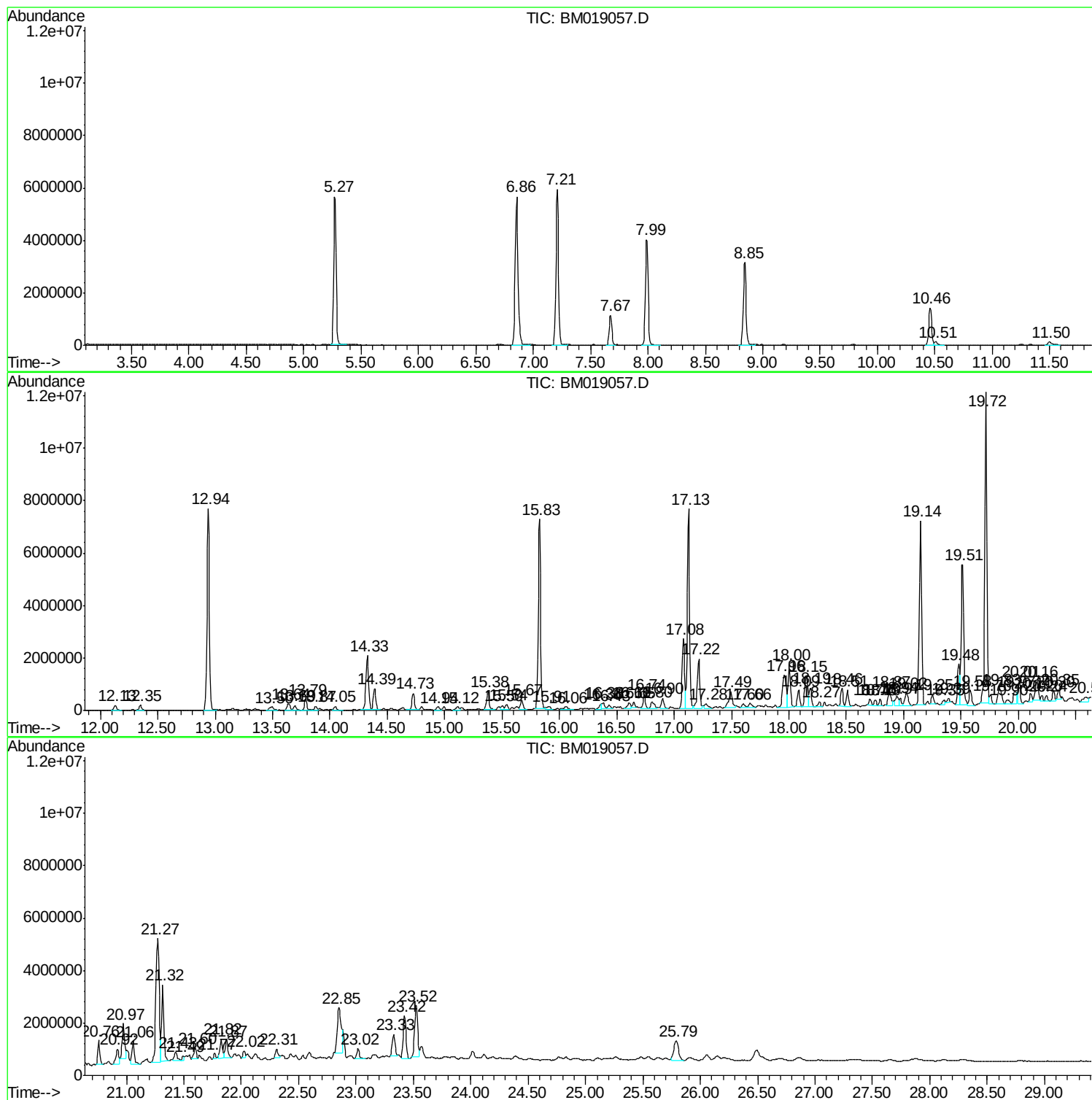
Sum of corrected areas: 199942963

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Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PST-027-B113-022719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030519\  
Data File : BM019057.D  
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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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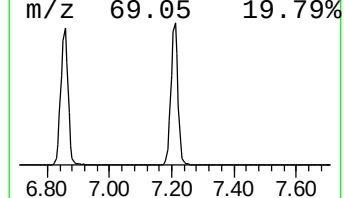
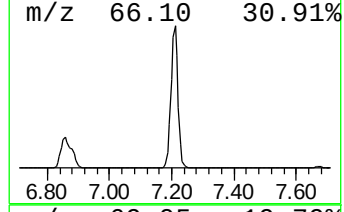
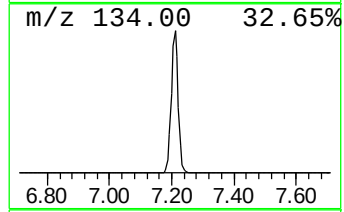
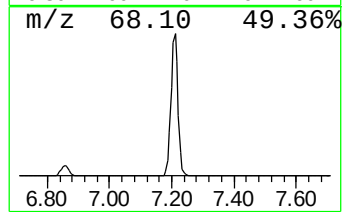
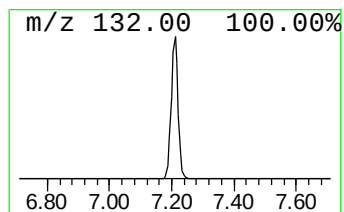
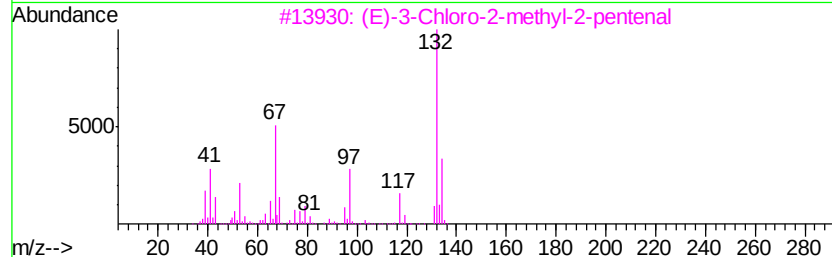
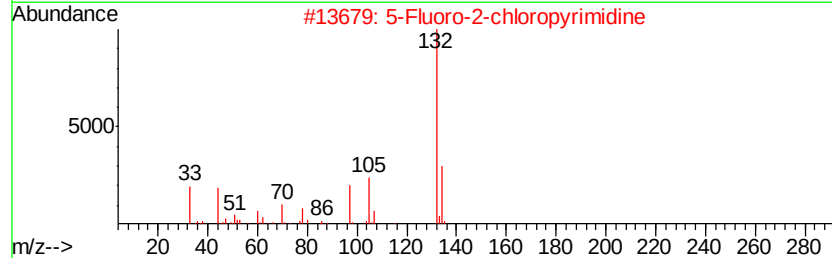
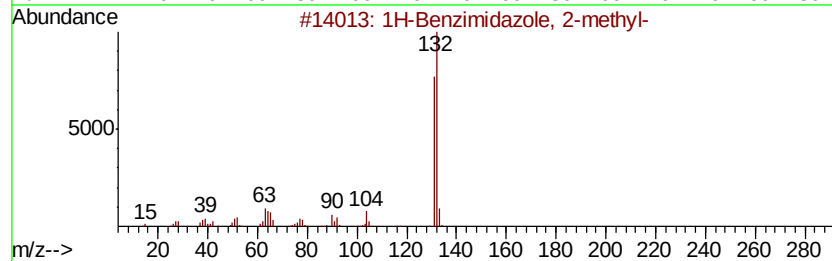
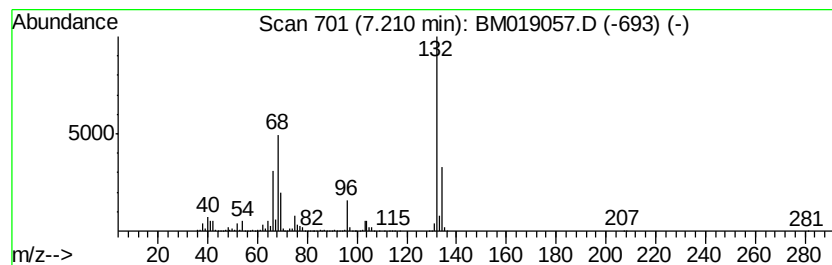
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 unknown7.21 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.21 | 103.17 ng | 9378070 | 1,4-Dichlorobenzene-d4 | 7.67 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | 1H-Benzimidazole, 2-methyl-         | 132 | C8H8N2    | 000615-15-6 | 22   |
| 2    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0 | 12   |
| 3    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3 | 9    |
| 4    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7 | 9    |
| 5    |    | Benzene, 1-ethenyl-3,5-dimethyl-    | 132 | C10H12    | 005379-20-4 | 9    |



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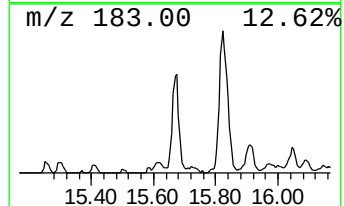
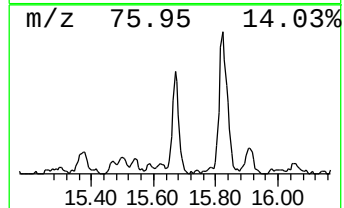
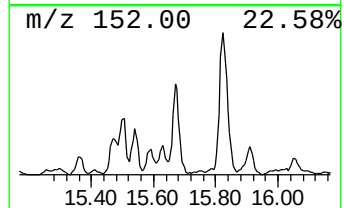
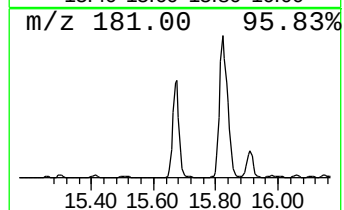
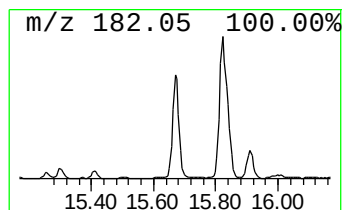
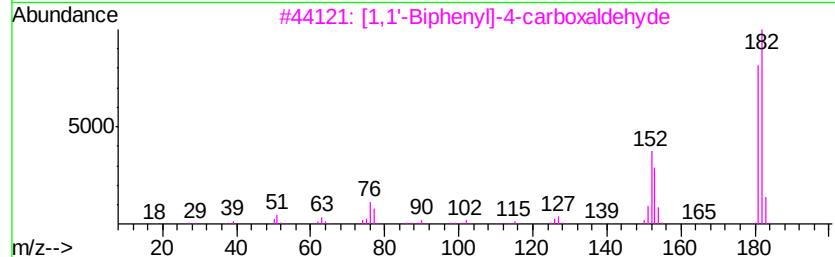
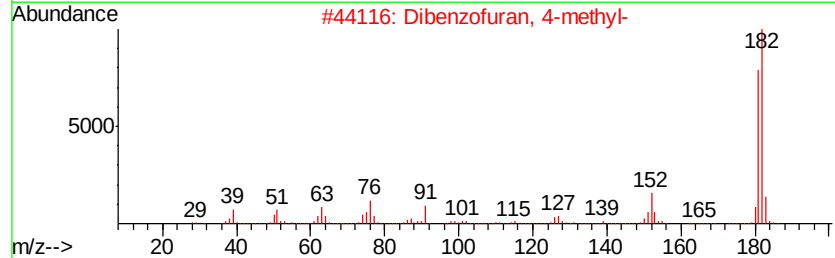
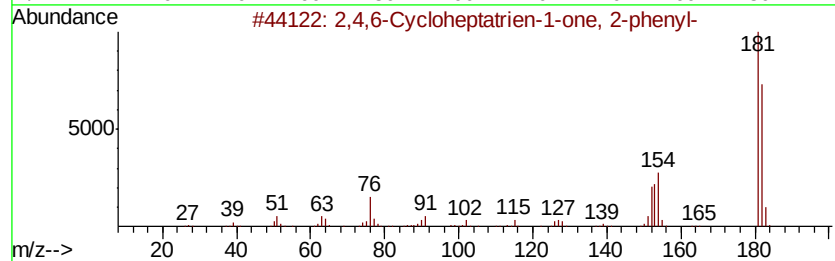
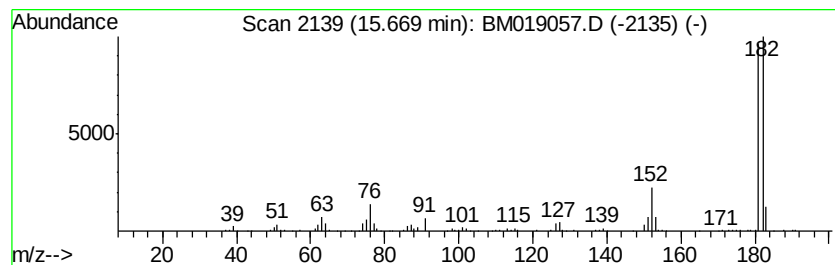
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 2,4,6-Cycloheptatrien-1-one... Concentration Rank 15

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 15.67     | 3.50 ng                             | 569921 | Acenaphthene-d10 | 14.33       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 2,4,6-Cycloheptatrien-1-one, 2-p... | 182    | C13H10O          | 014562-09-5 | 91   |
| 2         | Dibenzofuran, 4-methyl-             | 182    | C13H10O          | 007320-53-8 | 89   |
| 3         | [1,1'-Biphenyl]-4-carboxaldehyde    | 182    | C13H10O          | 003218-36-8 | 83   |
| 4         | 9H-Fluoren-9-ol                     | 182    | C13H10O          | 001689-64-1 | 78   |
| 5         | 9H-Xanthene                         | 182    | C13H10O          | 000092-83-1 | 64   |



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Data File : BM019057.D  
Acq On : 06 Mar 2019 04:52  
Operator : JU/SJ  
Sample : K1704-03  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

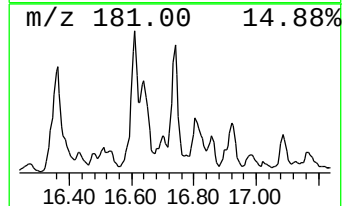
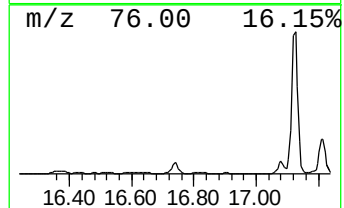
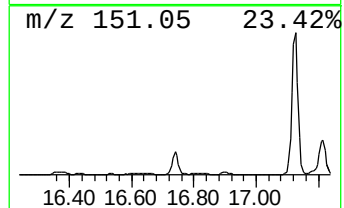
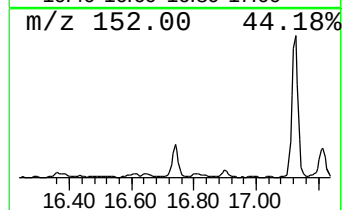
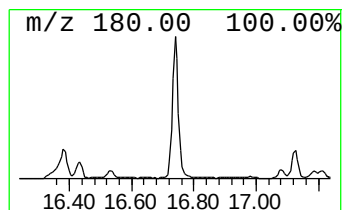
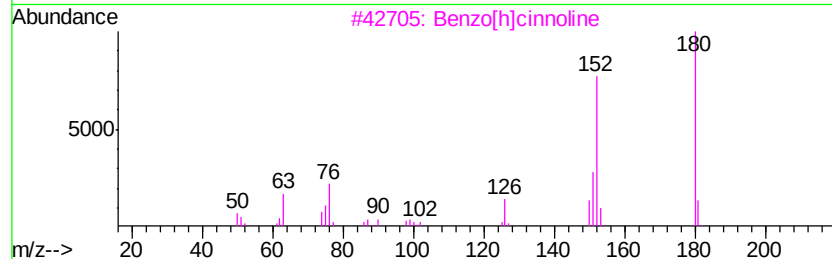
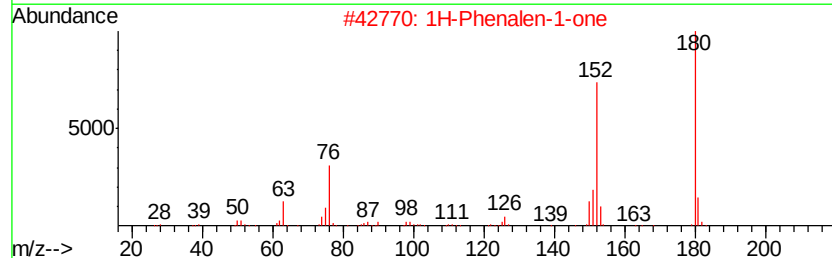
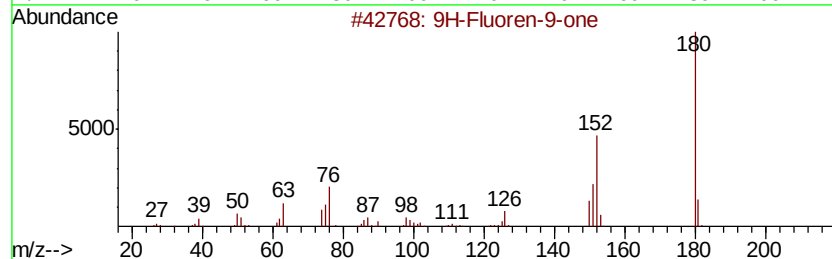
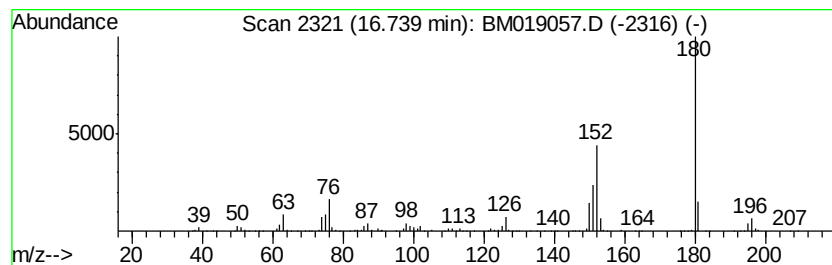
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ClientSampleId :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 9H-Fluoren-9-one Concentration Rank 13

| R.T.      | EstConc                             | Area   | Relative to ISTD |             | R.T.  |
|-----------|-------------------------------------|--------|------------------|-------------|-------|
| 16.74     | 4.06 ng                             | 760573 | Phenanthrene-d10 |             | 17.08 |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual  |
| 1         | 9H-Fluoren-9-one                    | 180    | C13H8O           | 000486-25-9 | 94    |
| 2         | 1H-Phenalen-1-one                   | 180    | C13H8O           | 000548-39-0 | 72    |
| 3         | Benzo[h]cinnoline                   | 180    | C12H8N2          | 000230-31-9 | 50    |
| 4         | 5-Methoxy-4-methyl-2,1,3-benzoth... | 180    | C8H8N2OS         | 089976-68-1 | 47    |
| 5         | Benzaldehyde, 4-nitro-, O-methyl... | 180    | C8H8N2O3         | 033499-32-0 | 43    |





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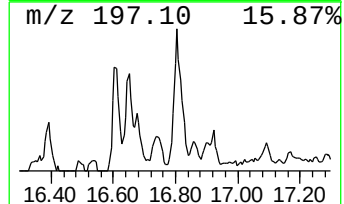
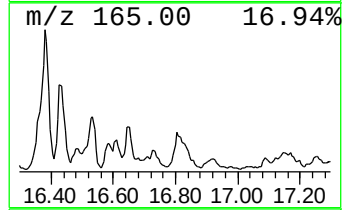
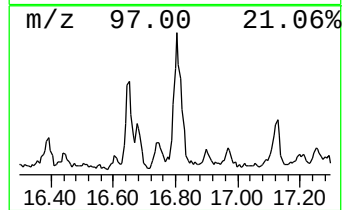
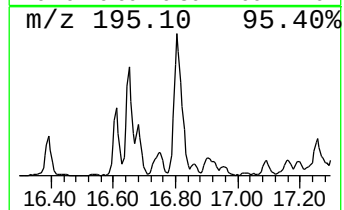
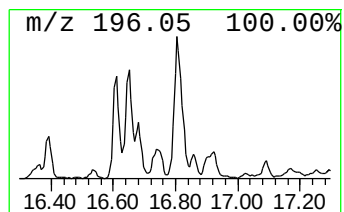
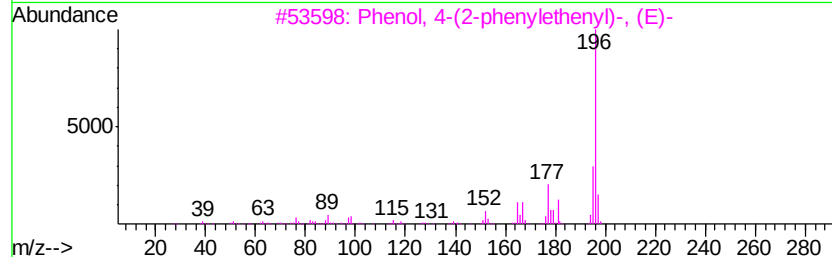
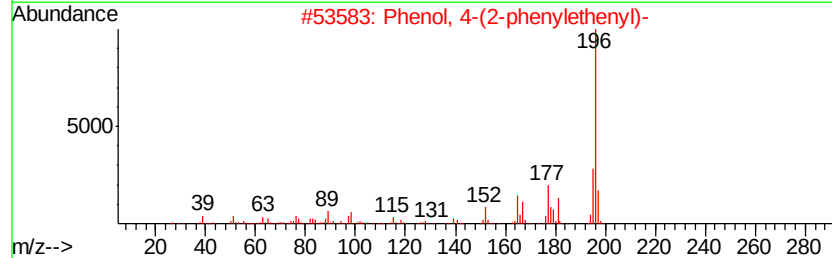
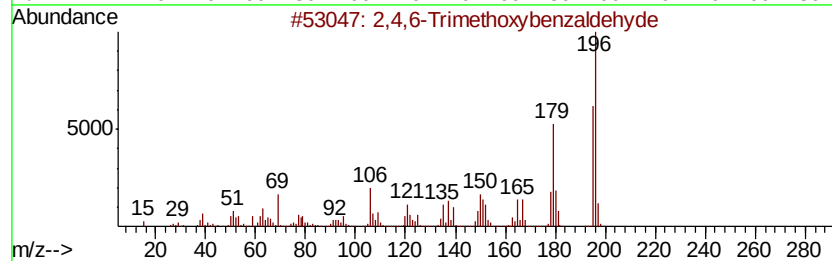
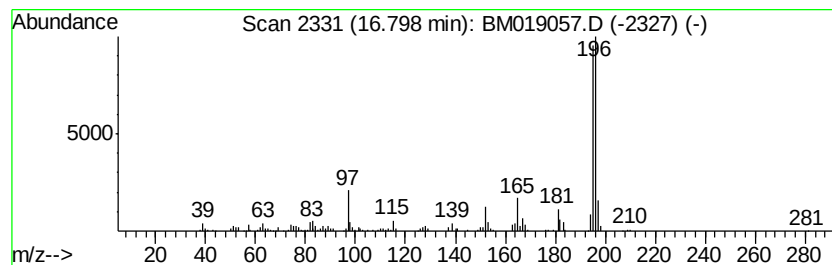
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 2,4,6-Trimethoxybenzaldehyde Concentration Rank 18

| R.T.    | EstConc                            | Area         | Relative to ISTD | R.T.         |      |      |
|---------|------------------------------------|--------------|------------------|--------------|------|------|
| 16.80   | 3.22 ng                            | 603295       | Phenanthrene-d10 | 17.08        |      |      |
| Hit# of | 5                                  | Tentative ID | MW               | MolForm      | CAS# | Qual |
| 1       | 2,4,6-Trimethoxybenzaldehyde       | 196          | C10H12O4         | 000830-79-5  | 80   |      |
| 2       | Phenol, 4-(2-phenylethenyl)-       | 196          | C14H12O          | 003839-46-1  | 58   |      |
| 3       | Phenol, 4-(2-phenylethenyl)-, (E)- | 196          | C14H12O          | 006554-98-9  | 53   |      |
| 4       | Phenol, 3-(2-phenylethenyl)-, (E)- | 196          | C14H12O          | 017861-18-6  | 49   |      |
| 5       | 9H-Fluoren-3-ol, 9,9-dimethyl-     | 210          | C15H14O          | 1000141-55-1 | 38   |      |





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Sample : K1704-03  
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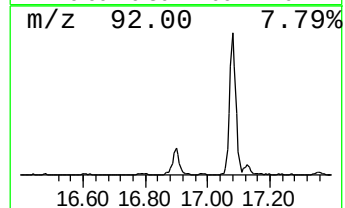
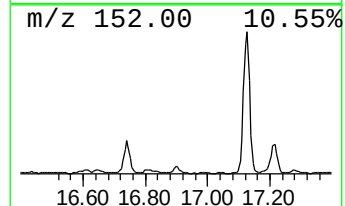
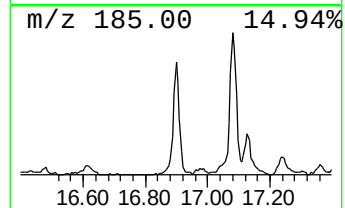
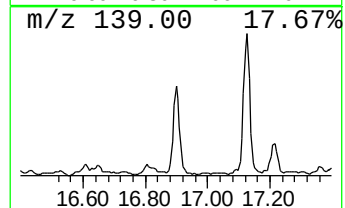
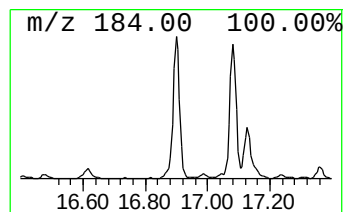
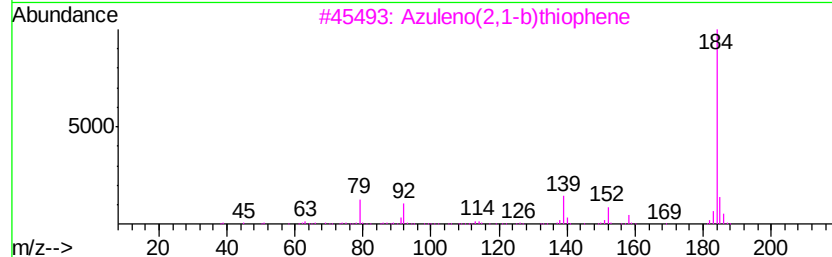
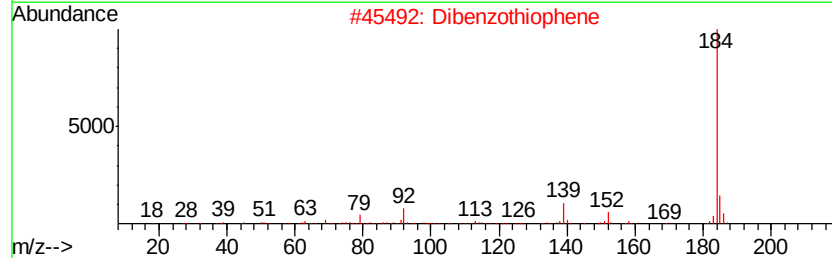
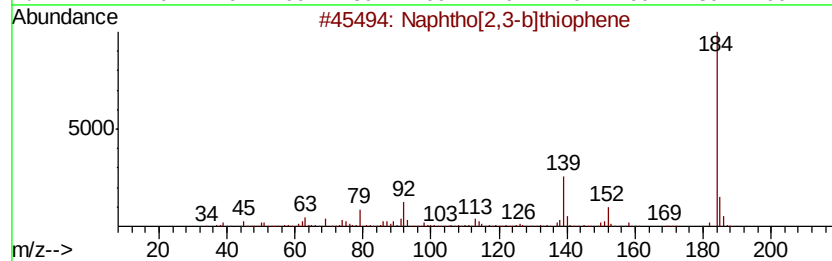
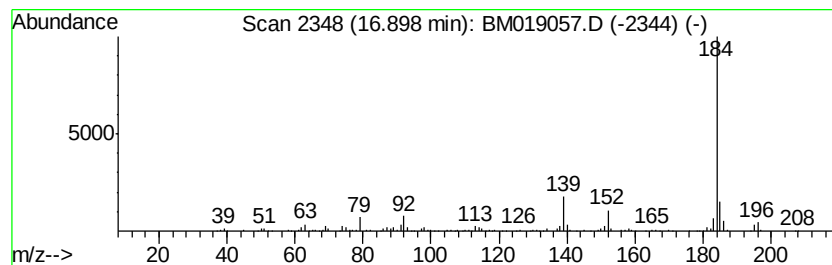
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Naphtho[2,3-b]thiophene Concentration Rank 16

| R.T.    | EstConc | Area                           | Relative to ISTD |         | R.T.        |      |
|---------|---------|--------------------------------|------------------|---------|-------------|------|
| 16.90   | 3.46 ng | 648175                         | Phenanthrene-d10 |         | 17.08       |      |
| Hit# of | 5       | Tentative ID                   | MW               | MolForm | CAS#        | Qual |
| 1       |         | Naphtho[2,3-b]thiophene        | 184              | C12H8S  | 000268-77-9 | 94   |
| 2       |         | Dibenzothiophene               | 184              | C12H8S  | 000132-65-0 | 93   |
| 3       |         | Azuleno(2,1-b)thiophene        | 184              | C12H8S  | 000248-13-5 | 90   |
| 4       |         | 1,1'-Biphenyl, 2-methoxy-      | 184              | C13H12O | 000086-26-0 | 64   |
| 5       |         | 1,4,5,8-Tetramethylnaphthalene | 184              | C14H16  | 002717-39-7 | 59   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030519\  
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Operator : JU/SJ  
Sample : K1704-03  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PST-027-B113-022719

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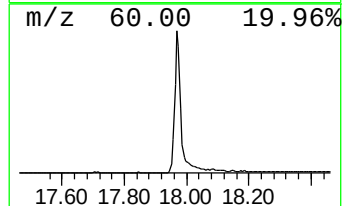
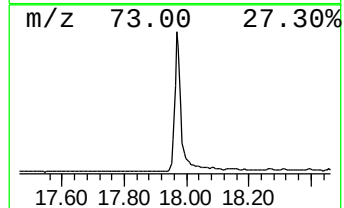
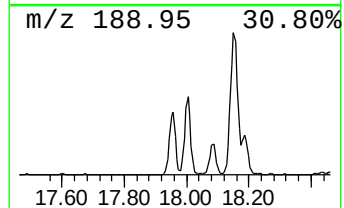
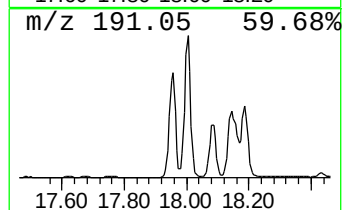
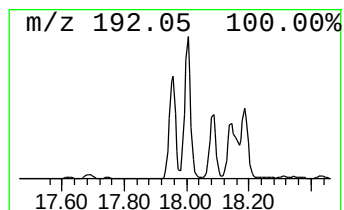
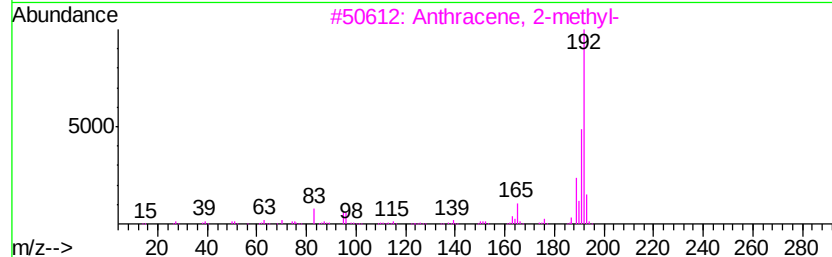
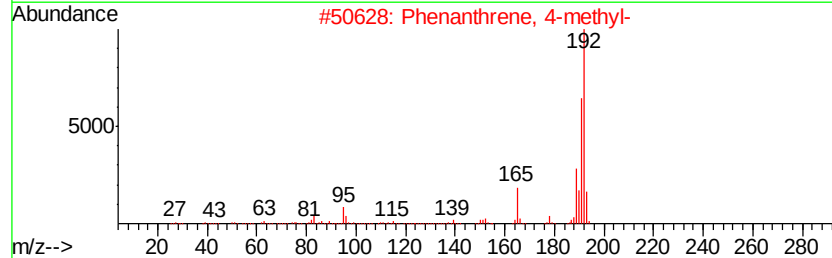
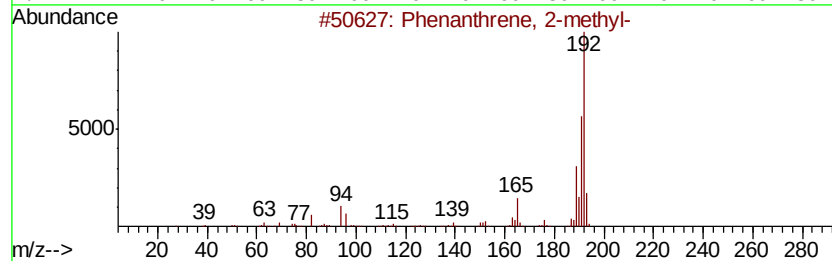
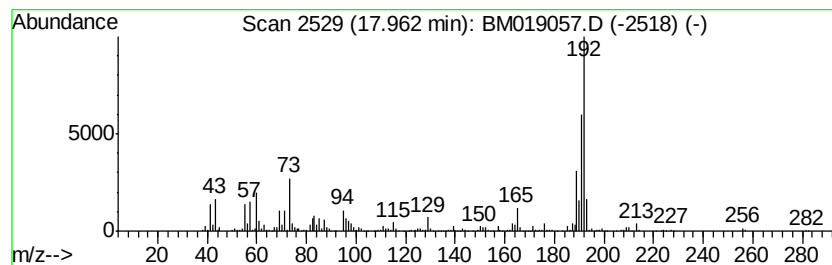
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 3

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 17.96 | 15.01 ng | 2810370 | Phenanthrene-d10 | 17.08 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 96   |
| 2    |    | Phenanthrene, 4-methyl- | 192 | C15H12  | 000832-64-4 | 95   |
| 3    |    | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 95   |
| 4    |    | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 93   |
| 5    |    | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 93   |



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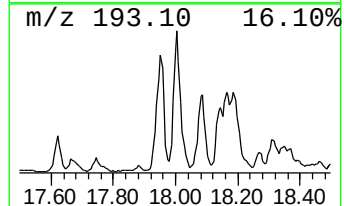
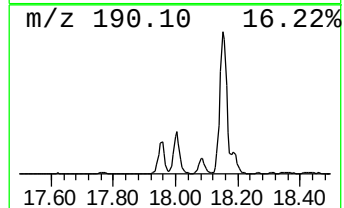
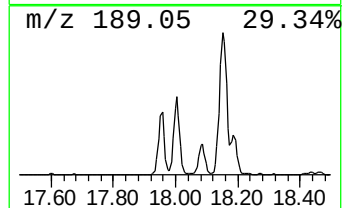
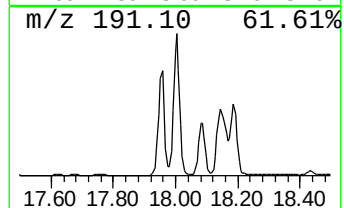
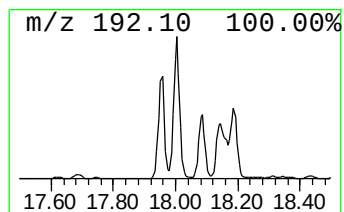
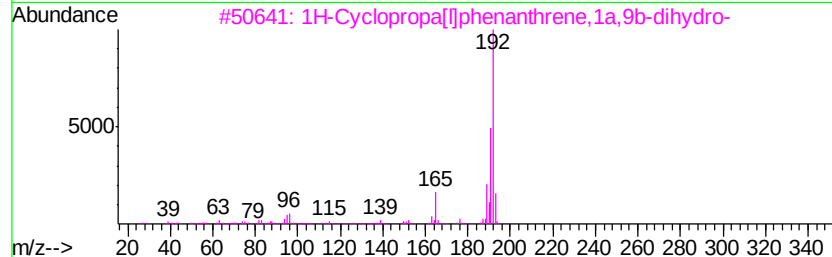
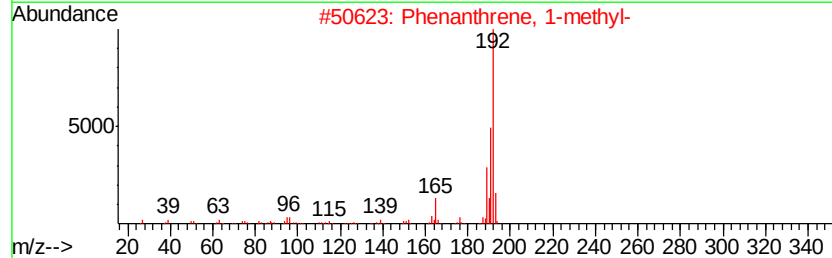
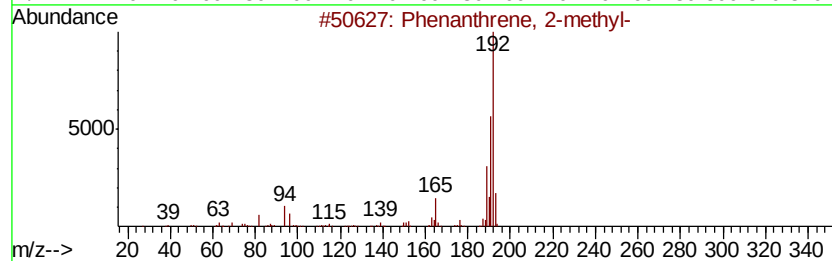
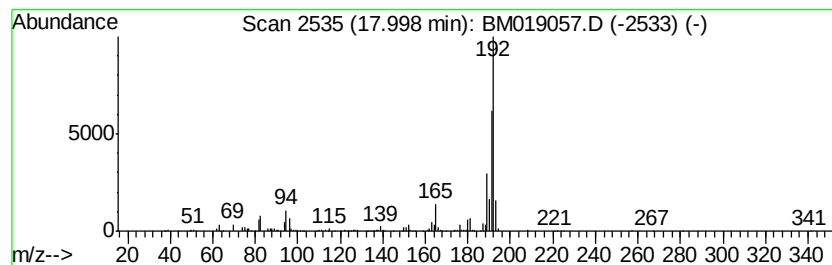
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 5

| R.T.      | EstConc                             | Area    | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|---------|------------------|-------------|------|
| 18.00     | 11.62 ng                            | 2174950 | Phenanthrene-d10 | 17.08       |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm          | CAS#        | Qual |
| 1         | Phenanthrene, 2-methyl-             | 192     | C15H12           | 002531-84-2 | 98   |
| 2         | Phenanthrene, 1-methyl-             | 192     | C15H12           | 000832-69-9 | 97   |
| 3         | 1H-Cyclopropa[1]phenanthrene,1a,... | 192     | C15H12           | 000949-41-7 | 96   |
| 4         | Anthracene, 2-methyl-               | 192     | C15H12           | 000613-12-7 | 96   |
| 5         | 5H-Dibenzo[a,d]cycloheptene         | 192     | C15H12           | 000256-81-5 | 95   |



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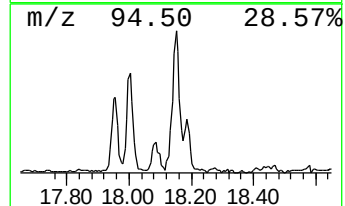
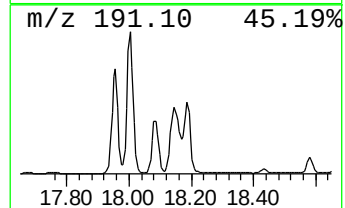
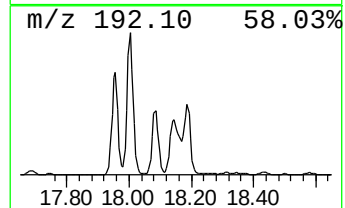
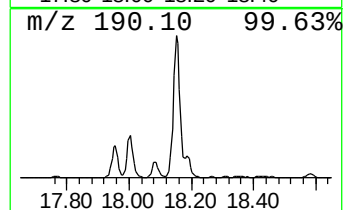
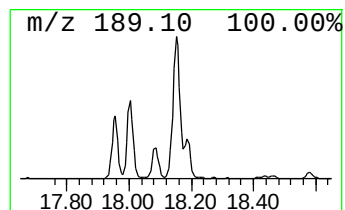
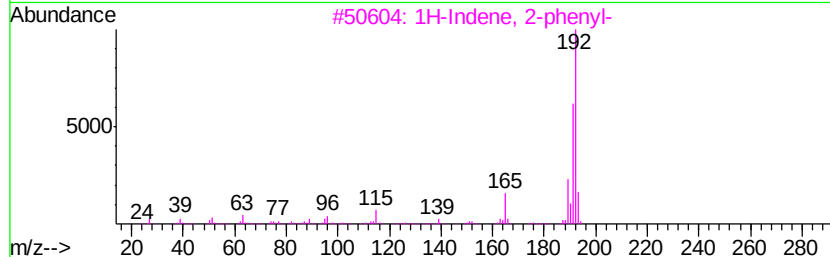
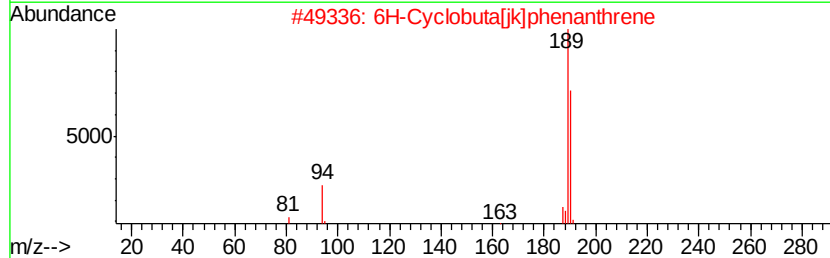
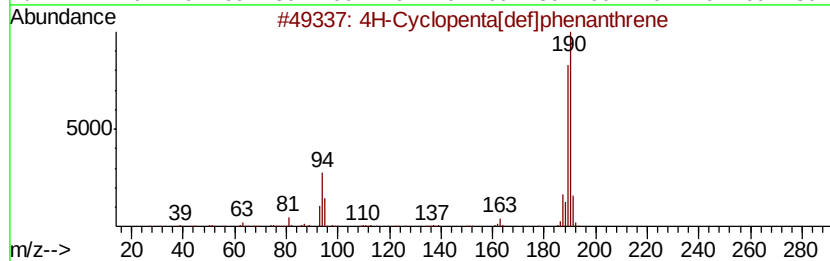
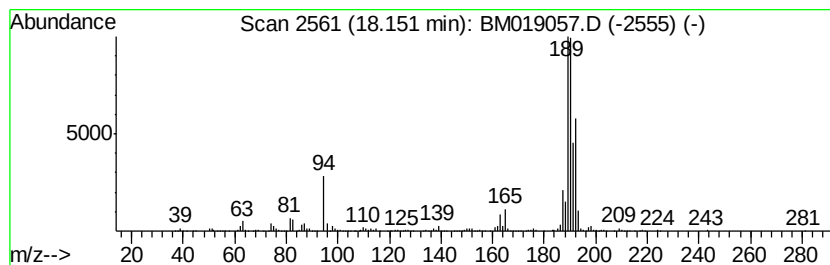
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.    | EstConc  | Area                           | Relative to ISTD | R.T.    |             |      |
|---------|----------|--------------------------------|------------------|---------|-------------|------|
| 18.15   | 12.47 ng | 2335500                        | Phenanthrene-d10 | 17.08   |             |      |
| Hit# of | 5        | Tentative ID                   | MW               | MolForm | CAS#        | Qual |
| 1       |          | 4H-Cyclopenta[def]phenanthrene | 190              | C15H10  | 000203-64-5 | 70   |
| 2       |          | 6H-Cyclobuta[ikl]phenanthrene  | 190              | C15H10  | 083469-43-6 | 58   |
| 3       |          | 1H-Indene, 2-phenyl-           | 192              | C15H12  | 004505-48-0 | 38   |
| 4       |          | Phenanthrene, 4-methyl-        | 192              | C15H12  | 000832-64-4 | 35   |
| 5       |          | 5H-Dibenzo[a,d]cycloheptene    | 192              | C15H12  | 000256-81-5 | 25   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030519\  
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Misc :  
ALS Vial : 20 Sample Multiplier: 1

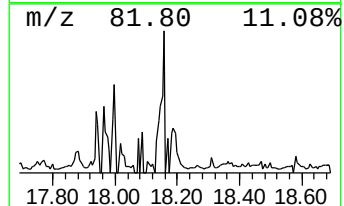
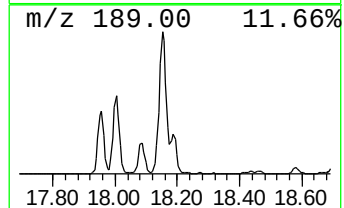
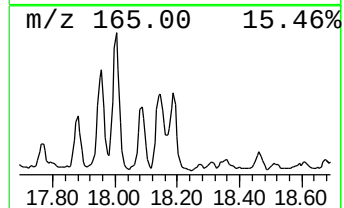
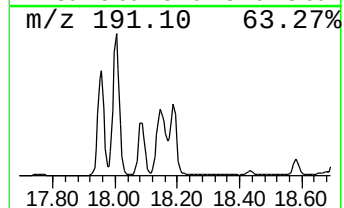
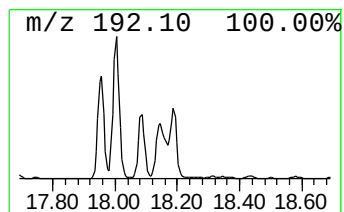
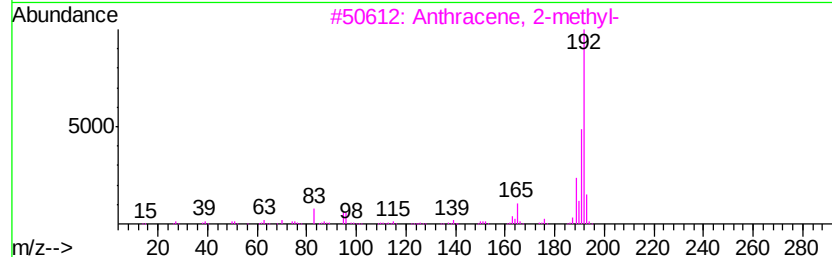
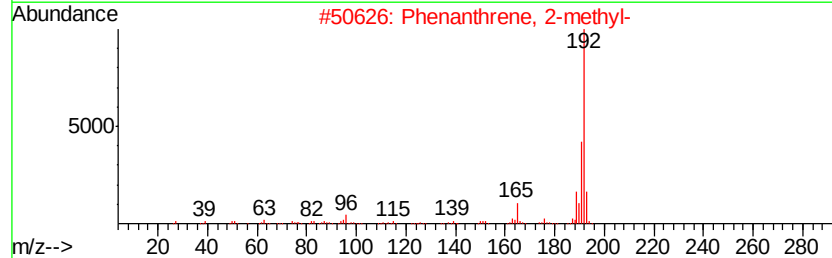
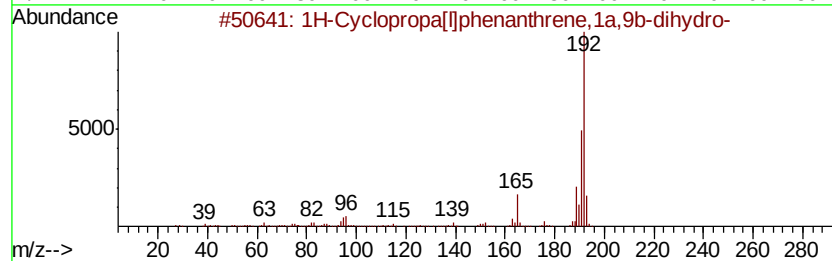
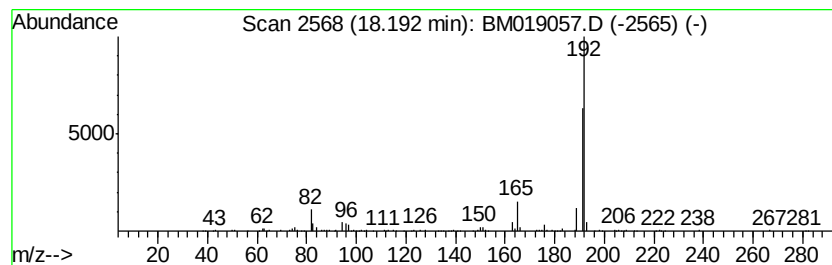
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ClientSampleId :  
PST-027-B113-022719

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

| R.T.      | EstConc                              | Area   | Relative to ISTD | R.T.        |      |
|-----------|--------------------------------------|--------|------------------|-------------|------|
| 18.19     | 4.76 ng                              | 890764 | Phenanthrene-d10 | 17.08       |      |
| Hit# of 5 | Tentative ID                         | MW     | MolForm          | CAS#        | Qual |
| 1         | 1H-Cyclopropa[ll]phenanthrene,1a,... | 192    | C15H12           | 000949-41-7 | 87   |
| 2         | Phenanthrene, 2-methyl-              | 192    | C15H12           | 002531-84-2 | 83   |
| 3         | Anthracene, 2-methyl-                | 192    | C15H12           | 000613-12-7 | 83   |
| 4         | Anthracene, 9-methyl-                | 192    | C15H12           | 000779-02-2 | 83   |
| 5         | Phenanthrene, 4-methyl-              | 192    | C15H12           | 000832-64-4 | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030519\  
 Data File : BM019057.D  
 Acq On : 06 Mar 2019 04:52  
 Operator : JU/SJ  
 Sample : K1704-03  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

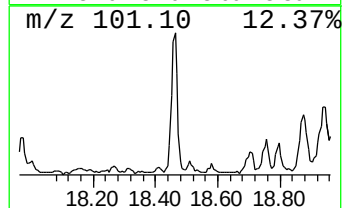
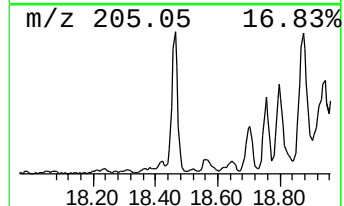
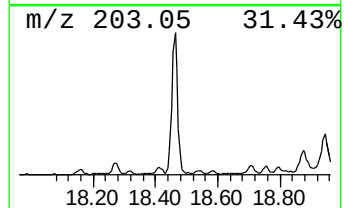
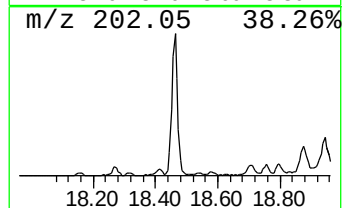
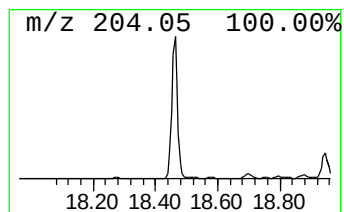
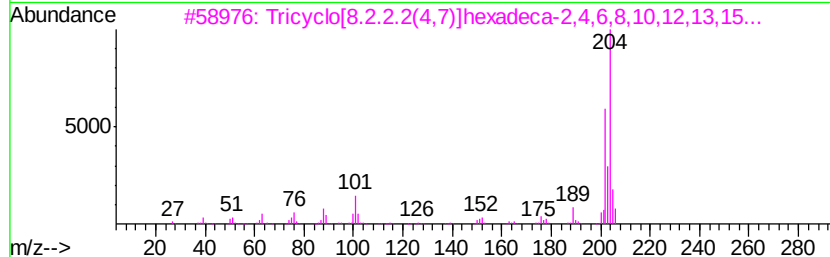
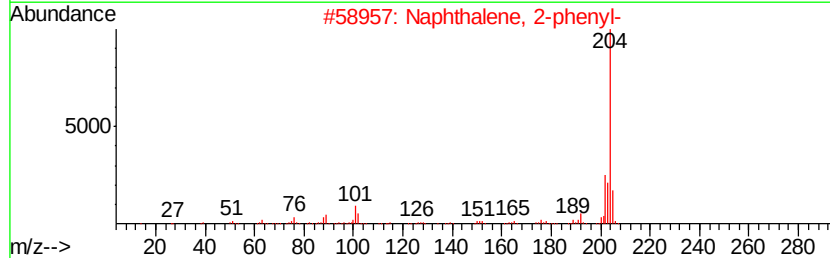
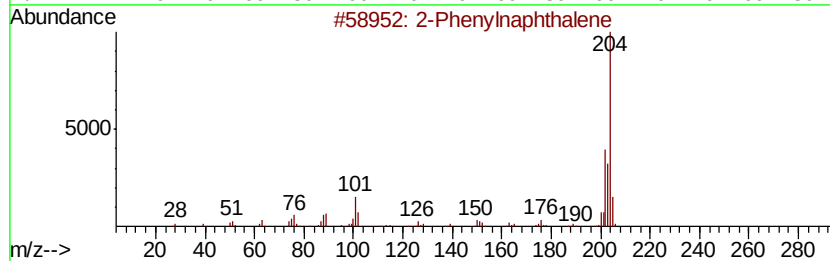
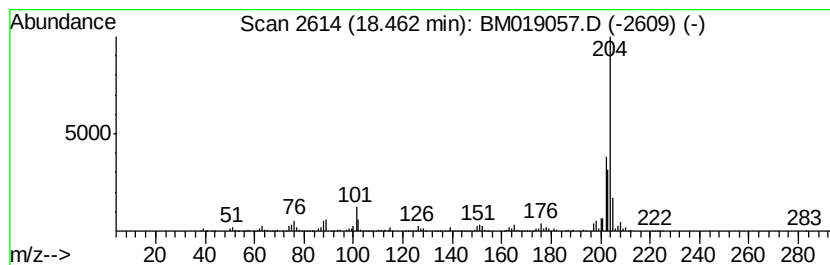
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 PST-027-B113-022719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
 TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
 Peak Number 12 2-Phenylnaphthalene Concentration Rank 11

| R.T.      | EstConc                             | Area   | Relative to ISTD |             | R.T.  |
|-----------|-------------------------------------|--------|------------------|-------------|-------|
| 18.46     | 4.75 ng                             | 888874 | Phenanthrene-d10 |             | 17.08 |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual  |
| 1         | 2-Phenylnaphthalene                 | 204    | C16H12           | 035465-71-5 | 93    |
| 2         | Naphthalene, 2-phenyl-              | 204    | C16H12           | 000612-94-2 | 86    |
| 3         | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204    | C16H12           | 006572-60-7 | 86    |
| 4         | 5,16[1',2'1:8,13[1'',2'']-Dibenz... | 408    | C32H24           | 005672-97-9 | 86    |
| 5         | 9,10-Bis(bromomethyl)anthracene     | 362    | C16H12Br2        | 034373-96-1 | 62    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030519\  
Data File : BM019057.D  
Acq On : 06 Mar 2019 04:52  
Operator : JU/SJ  
Sample : K1704-03  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

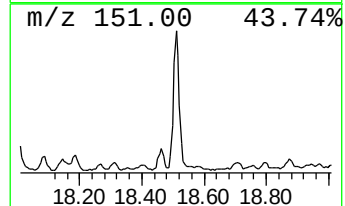
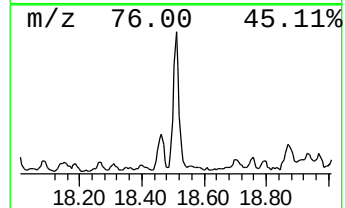
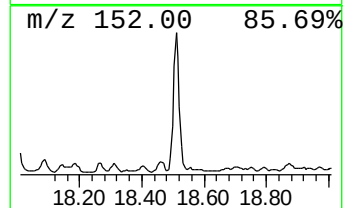
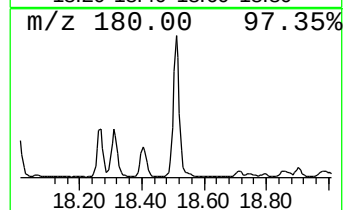
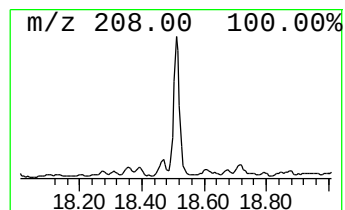
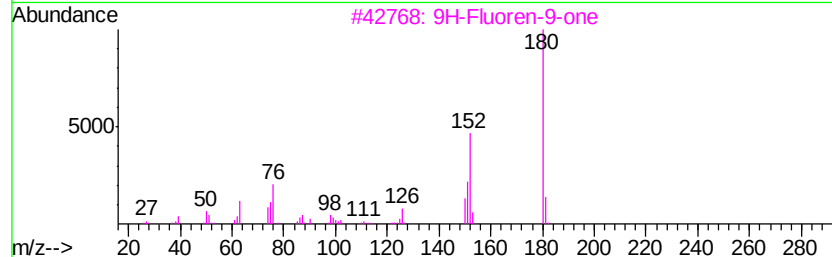
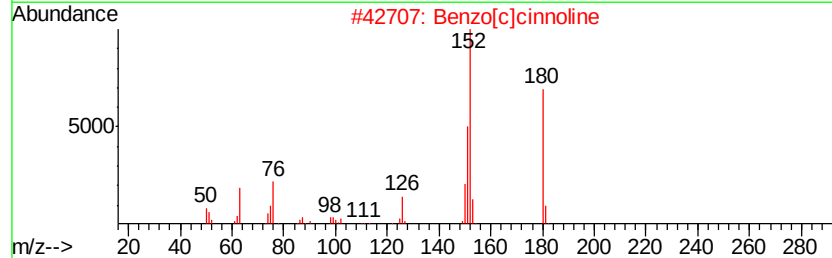
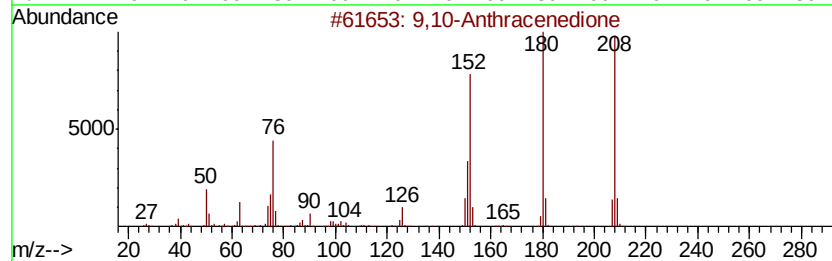
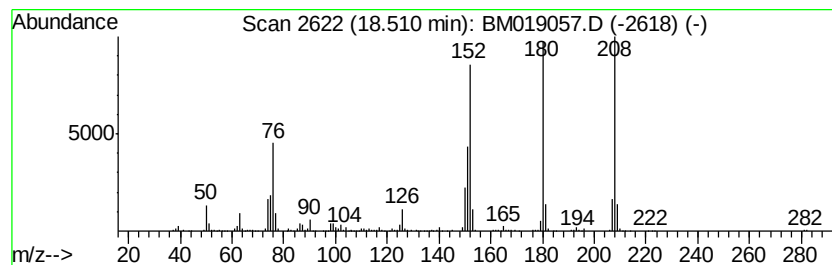
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ClientSampleId :  
PST-027-B113-022719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 9,10-Anthracenedione Concentration Rank 12

| R.T.      | EstConc              | Area   | Relative to ISTD |             | R.T.  |
|-----------|----------------------|--------|------------------|-------------|-------|
| 18.51     | 4.27 ng              | 799263 | Phenanthrene-d10 |             | 17.08 |
| Hit# of 5 | Tentative ID         | MW     | MolForm          | CAS#        | Qual  |
| 1         | 9,10-Anthracenedione | 208    | C14H8O2          | 000084-65-1 | 96    |
| 2         | Benzo[c]cinnoline    | 180    | C12H8N2          | 000230-17-1 | 92    |
| 3         | 9H-Fluoren-9-one     | 180    | C13H8O           | 000486-25-9 | 70    |
| 4         | 1H-Phenalen-1-one    | 180    | C13H8O           | 000548-39-0 | 58    |
| 5         | 1,4-Anthracenedione  | 208    | C14H8O2          | 000635-12-1 | 49    |





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030519\  
Data File : BM019057.D  
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Operator : JU/SJ  
Sample : K1704-03  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

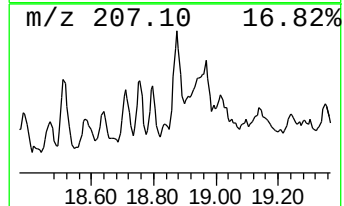
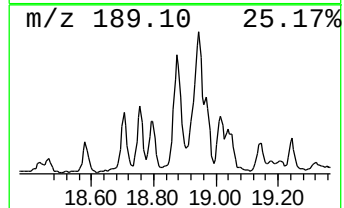
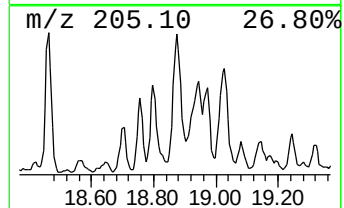
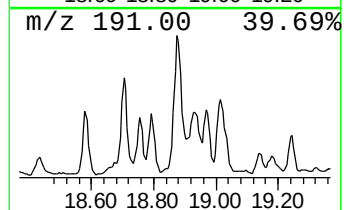
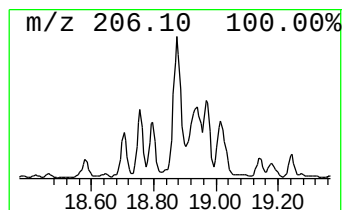
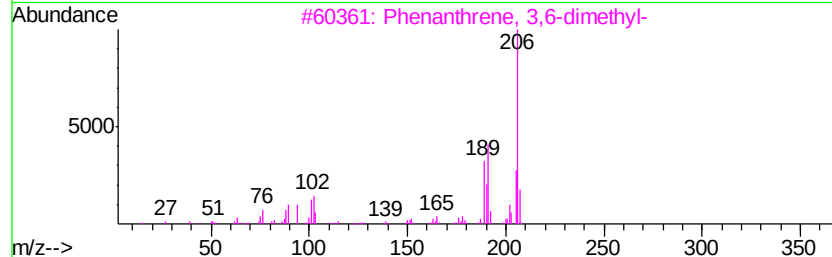
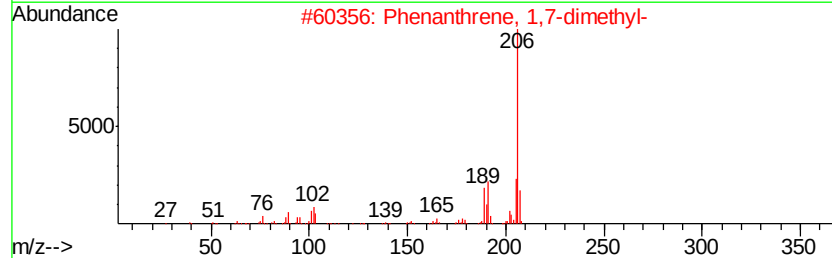
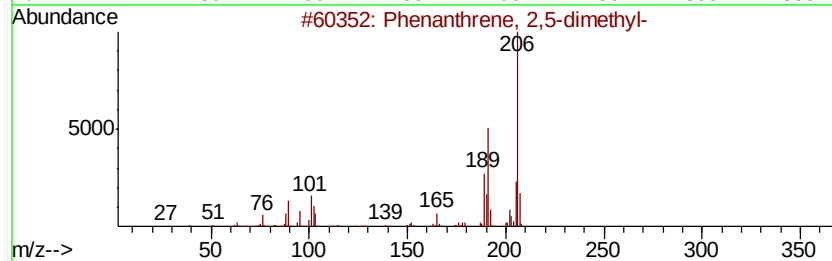
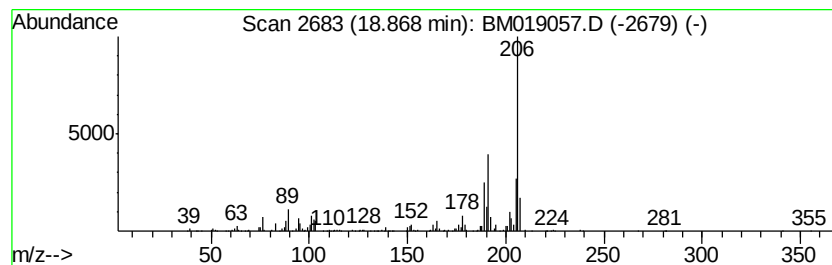
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ClientSampleId :  
PST-027-B113-022719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

| R.T.      | EstConc                     | Area   | Relative to ISTD |             | R.T.  |
|-----------|-----------------------------|--------|------------------|-------------|-------|
| 18.87     | 5.29 ng                     | 991244 | Phenanthrene-d10 |             | 17.08 |
| Hit# of 5 | Tentative ID                | MW     | MolForm          | CAS#        | Qual  |
| 1         | Phenanthrene, 2,5-dimethyl- | 206    | C16H14           | 003674-66-6 | 95    |
| 2         | Phenanthrene, 1,7-dimethyl- | 206    | C16H14           | 000483-87-4 | 93    |
| 3         | Phenanthrene, 3,6-dimethyl- | 206    | C16H14           | 001576-67-6 | 93    |
| 4         | 9,10-Dimethylantracene      | 206    | C16H14           | 000781-43-1 | 91    |
| 5         | di-p-Tolylacetylene         | 206    | C16H14           | 002789-88-0 | 91    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030519\  
Data File : BM019057.D  
Acq On : 06 Mar 2019 04:52  
Operator : JU/SJ  
Sample : K1704-03  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PST-027-B113-022719

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

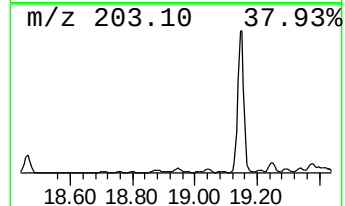
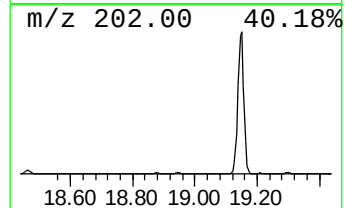
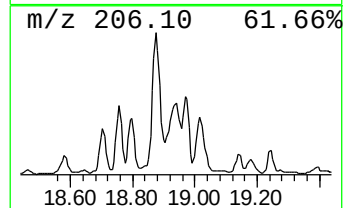
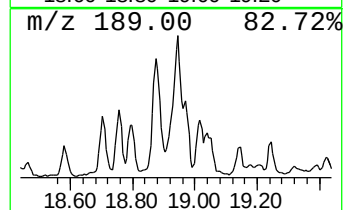
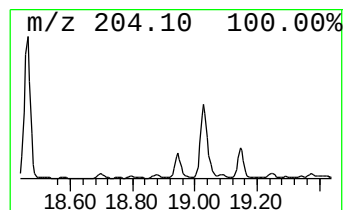
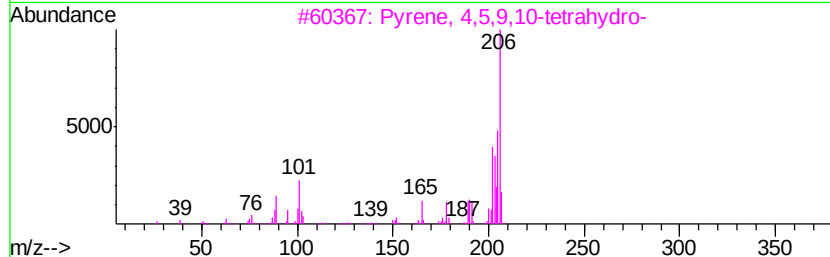
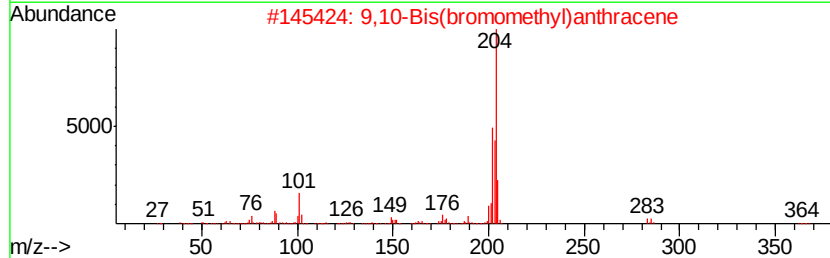
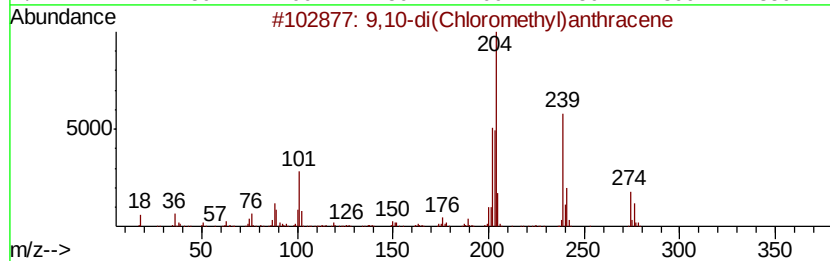
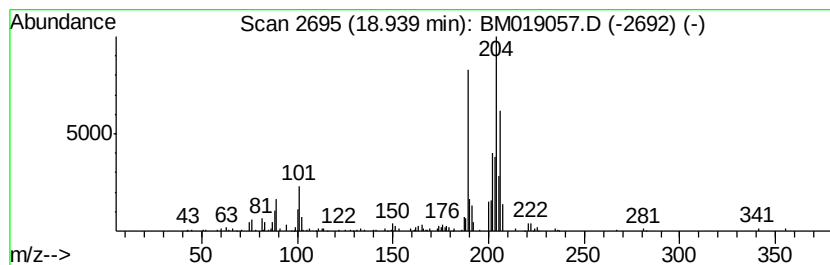
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TIC Integration Parameters: LSCINT.P

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Peak Number 15 unknown18.94 Concentration Rank 19

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 18.94 | 3.07 ng | 575693 | Phenanthrene-d10 | 17.08 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm   | CAS#        | Qual |
|------|----|---|---------------------------------|-----|-----------|-------------|------|
| 1    |    |   | 9,10-di(Chloromethyl)anthracene | 274 | C16H12Cl2 | 010387-13-0 | 43   |
| 2    |    |   | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 43   |
| 3    |    |   | Pvrene, 4,5,9,10-tetrahydro-    | 206 | C16H14    | 000781-17-9 | 35   |
| 4    |    |   | Naphthalene, 2-phenyl-          | 204 | C16H12    | 000612-94-2 | 30   |
| 5    |    |   | Naphthalene, 1-phenyl-          | 204 | C16H12    | 000605-02-7 | 30   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030519\  
Data File : BM019057.D  
Acq On : 06 Mar 2019 04:52  
Operator : JU/SJ  
Sample : K1704-03  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

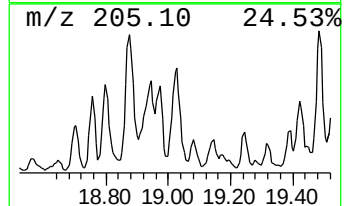
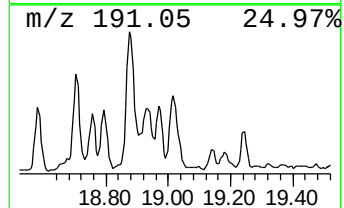
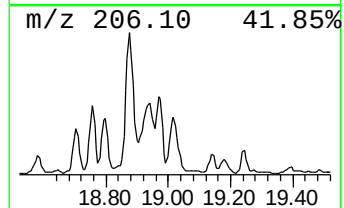
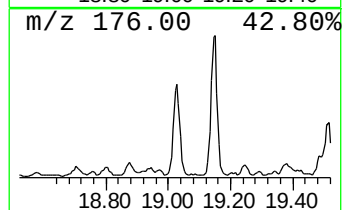
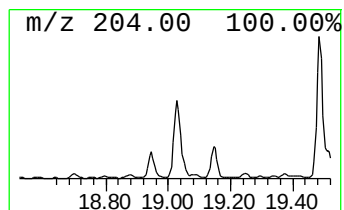
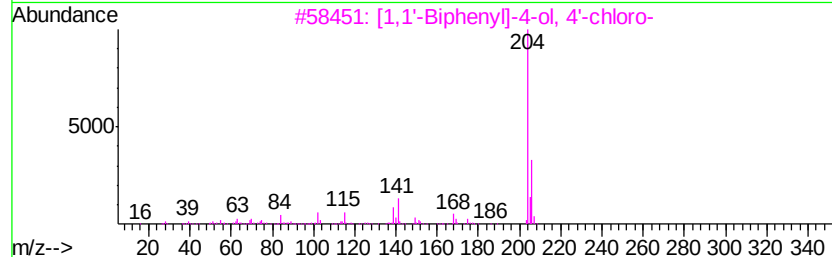
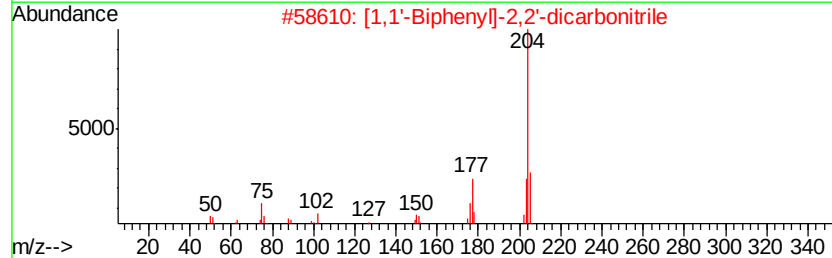
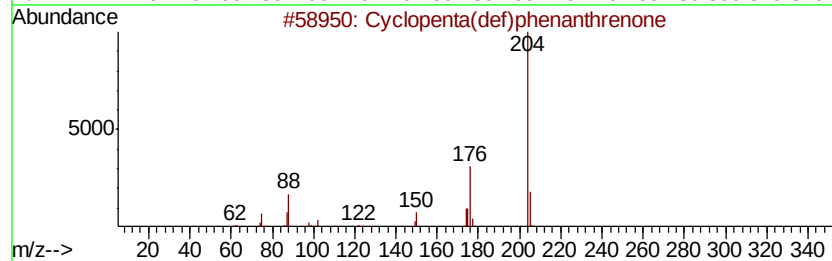
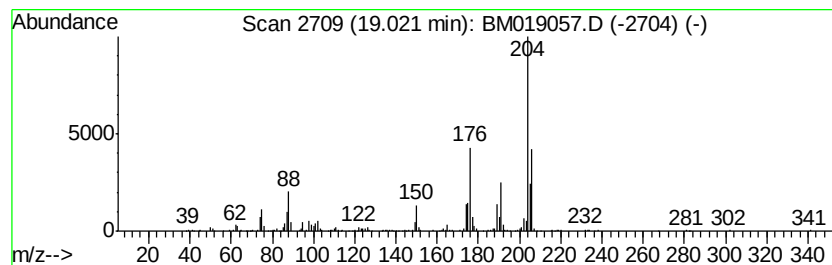
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ClientSampleId :  
PST-027-B113-022719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 8

| R.T.    | EstConc | Area                                | Relative to ISTD |            | R.T.        |      |
|---------|---------|-------------------------------------|------------------|------------|-------------|------|
| 19.02   | 5.26 ng | 983901                              | Phenanthrene-d10 |            | 17.08       |      |
| Hit# of | 5       | Tentative ID                        | MW               | MolForm    | CAS#        | Qual |
| 1       |         | Cyclopenta(def)phenanthrenone       | 204              | C15H8O     | 005737-13-3 | 96   |
| 2       |         | [1,1'-Biphenyl]-2,2'-dicarbonitrile | 204              | C14H8N2    | 004341-02-0 | 38   |
| 3       |         | [1,1'-Biphenyl]-4-ol, 4'-chloro-    | 204              | C12H9ClO   | 028034-99-3 | 38   |
| 4       |         | Pyrimido[5,4-b]benzofurane, 4-ch... | 204              | C10H5ClN2O | 039876-88-5 | 35   |
| 5       |         | [1,1'-Biphenyl]-4-ol, 3-chloro-     | 204              | C12H9ClO   | 000092-04-6 | 32   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030519\  
Data File : BM019057.D  
Acq On : 06 Mar 2019 04:52  
Operator : JU/SJ  
Sample : K1704-03  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

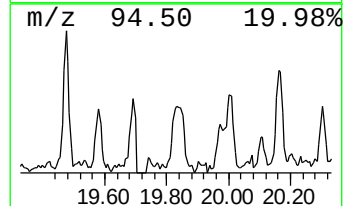
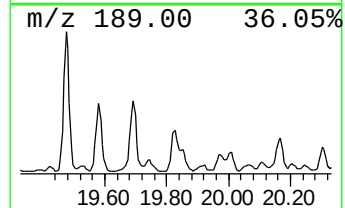
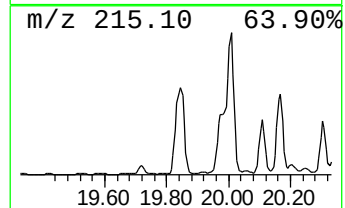
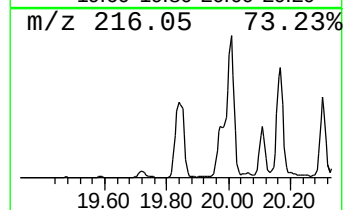
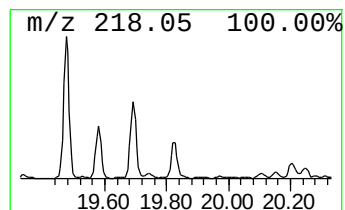
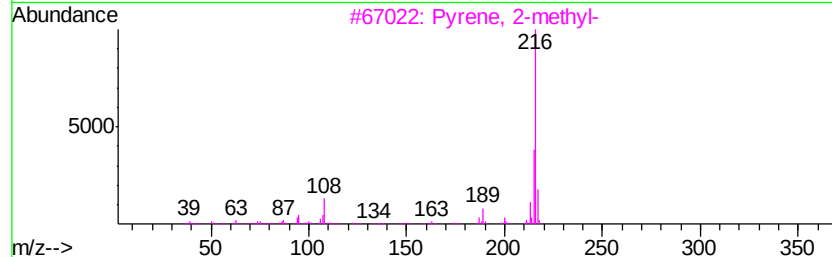
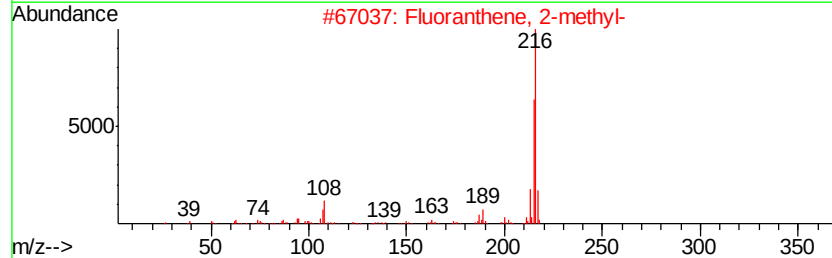
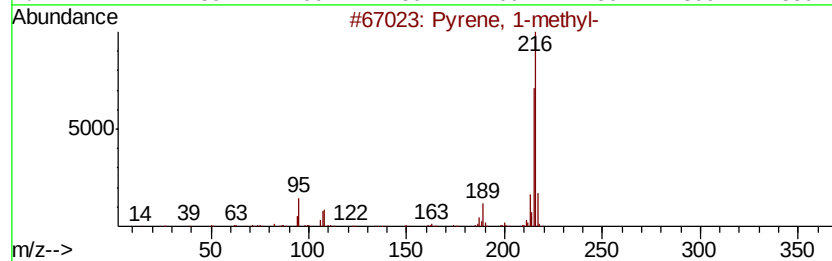
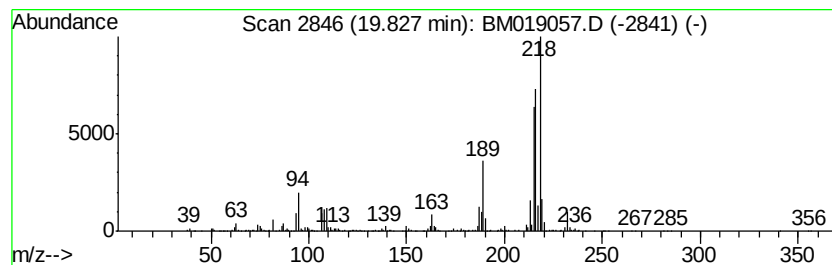
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BNA\_M  
ClientSampleId :  
PST-027-B113-022719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 Pyrene, 1-methyl- Concentration Rank 20

| R.T.    | EstConc | Area                    | Relative to ISTD | R.T.           |
|---------|---------|-------------------------|------------------|----------------|
| 19.83   | 2.91 ng | 1441030                 | Chrysene-d12     | 21.28          |
| Hit# of | 5       | Tentative ID            | MW MolForm       | CAS# Qual      |
| 1       |         | Pyrene, 1-methyl-       | 216 C17H12       | 002381-21-7 94 |
| 2       |         | Fluoranthene, 2-methyl- | 216 C17H12       | 033543-31-6 93 |
| 3       |         | Pyrene, 2-methyl-       | 216 C17H12       | 003442-78-2 92 |
| 4       |         | 11H-Benzo[b]fluorene    | 216 C17H12       | 000243-17-4 91 |
| 5       |         | Pyrene, 4-methyl-       | 216 C17H12       | 003353-12-6 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030519\  
Data File : BM019057.D  
Acq On : 06 Mar 2019 04:52  
Operator : JU/SJ  
Sample : K1704-03  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

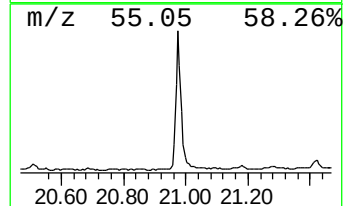
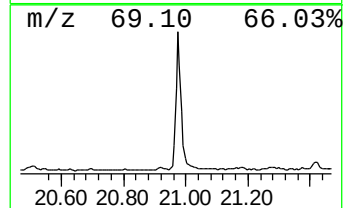
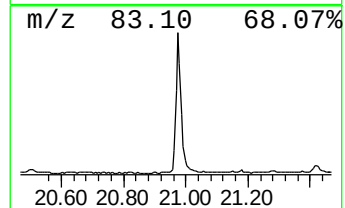
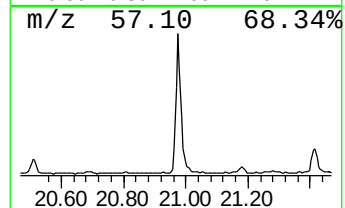
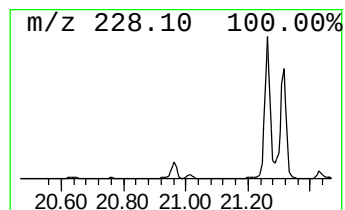
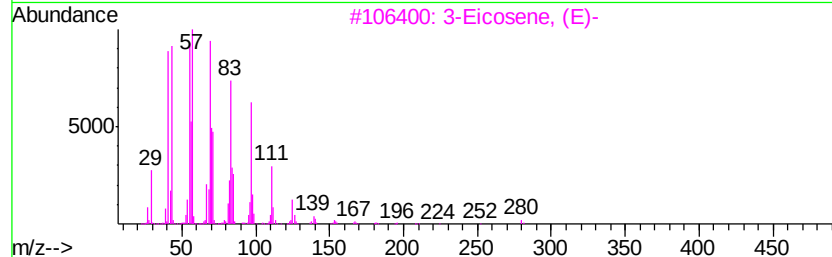
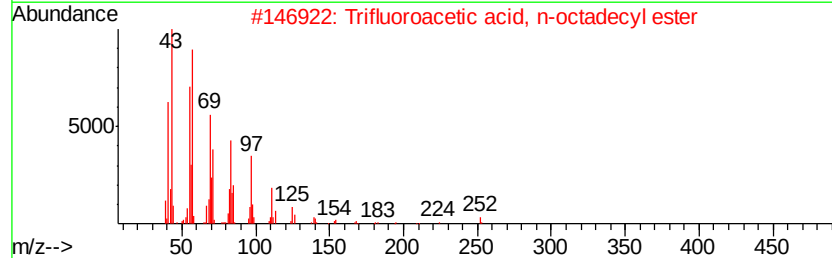
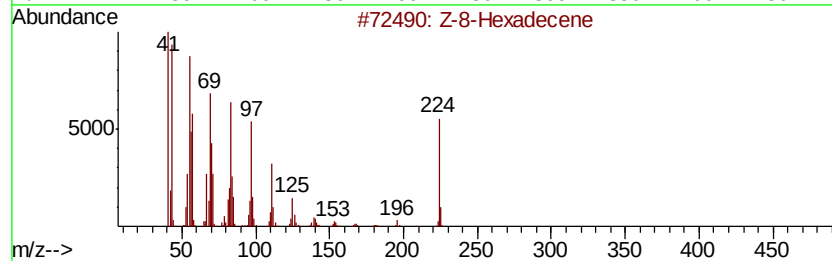
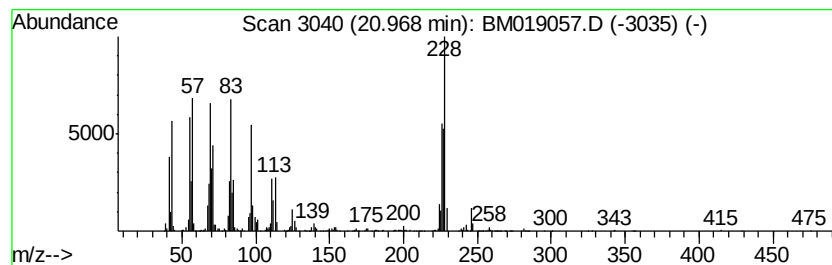
Instrument :  
BNA\_M  
ClientSampleId :  
PST-027-B113-022719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 Z-8-Hexadecene Concentration Rank 14

| R.T.    | EstConc | Area                                 | Relative to ISTD | R.T.            |
|---------|---------|--------------------------------------|------------------|-----------------|
| 20.97   | 3.93 ng | 1949710                              | Chrysene-d12     | 21.28           |
| Hit# of | 5       | Tentative ID                         | MW MolForm       | CAS# Qual       |
| 1       |         | Z-8-Hexadecene                       | 224 C16H32       | 1000130-87-5 87 |
| 2       |         | Trifluoroacetic acid, n-octadecyl... | 366 C20H37F3O2   | 079392-43-1 87  |
| 3       |         | 3-Eicosene, (E)-                     | 280 C20H40       | 074685-33-9 87  |
| 4       |         | Trichloroacetic acid, hexadecyl ...  | 386 C18H33Cl3O2  | 074339-54-1 87  |
| 5       |         | Heptafluorobutyric acid, n-penta...  | 424 C19H31F7O2   | 1000216-79-3 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030519\  
Data File : BM019057.D  
Acq On : 06 Mar 2019 04:52  
Operator : JU/SJ  
Sample : K1704-03  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PST-027-B113-022719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

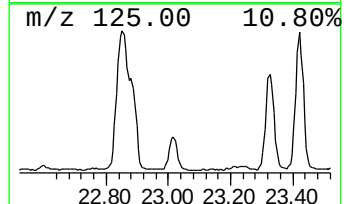
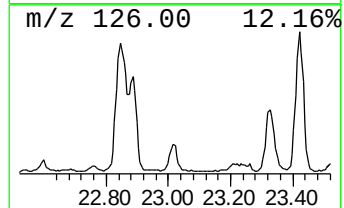
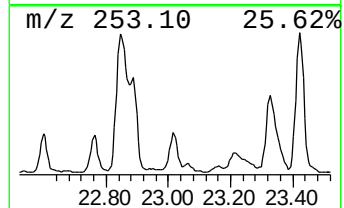
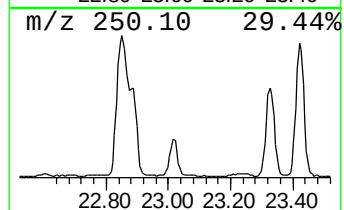
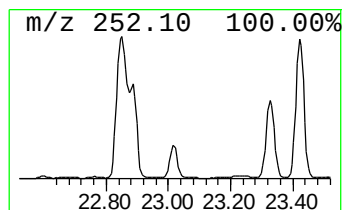
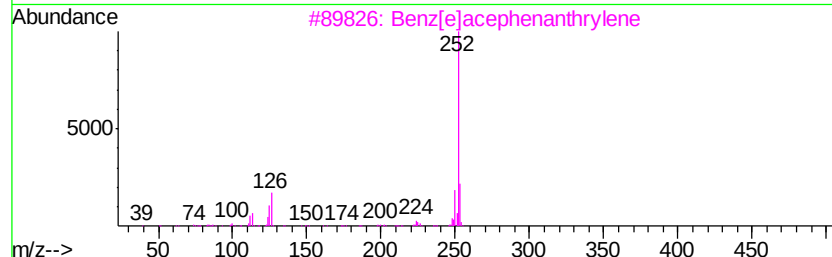
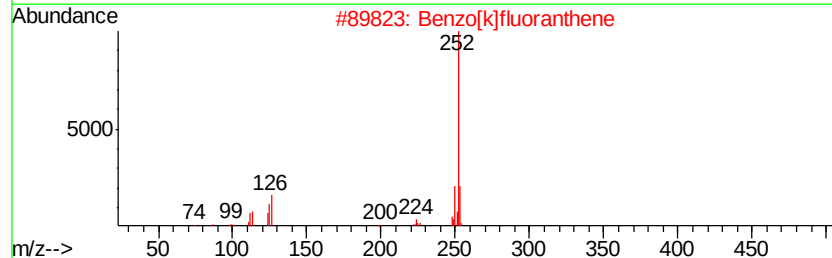
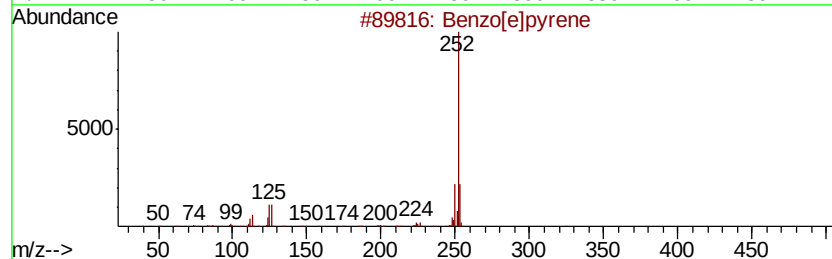
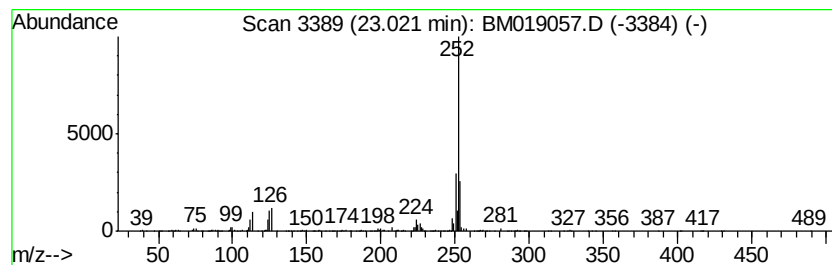
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 Benzo[e]pyrene Concentration Rank 17

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 23.02 | 3.38 ng | 628589 | Perylene-d12     | 23.52 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzo[e]pyrene            | 252 | C20H12  | 000192-97-2 | 96   |
| 2    |    | Benzo[k]fluoranthene      | 252 | C20H12  | 000207-08-9 | 96   |
| 3    |    | Benzo[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 93   |
| 4    |    | Benzo[a]pyrene            | 252 | C20H12  | 000050-32-8 | 90   |
| 5    |    | Benzo[j]fluoranthene      | 252 | C20H12  | 000205-82-3 | 81   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM030519\  
 Data File : BM019057.D  
 Acq On : 06 Mar 2019 04:52  
 Operator : JU/SJ  
 Sample : K1704-03  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PST-027-B113-022719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM021119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
 TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| unknown7.21          | 7.21  | 103.2   | ng    | 9378070  | 1                     | 7.67  | 1818040 | 20.0 |
| 2,4,6-Cycloheptat... | 15.67 | 3.5     | ng    | 569921   | 3                     | 14.33 | 3259440 | 20.0 |
| 9H-Fluoren-9-one     | 16.74 | 4.1     | ng    | 760573   | 4                     | 17.08 | 3744600 | 20.0 |
| 2,4,6-Trimethoxyb... | 16.80 | 3.2     | ng    | 603295   | 4                     | 17.08 | 3744600 | 20.0 |
| Naphtho[2,3-b]thi... | 16.90 | 3.5     | ng    | 648175   | 4                     | 17.08 | 3744600 | 20.0 |
| Phenanthrene, 2-m... | 17.96 | 15.0    | ng    | 2810370  | 4                     | 17.08 | 3744600 | 20.0 |
| Phenanthrene, 1-m... | 18.00 | 11.6    | ng    | 2174950  | 4                     | 17.08 | 3744600 | 20.0 |
| 4H-Cyclopenta[def... | 18.15 | 12.5    | ng    | 2335500  | 4                     | 17.08 | 3744600 | 20.0 |
| 1H-Cyclopropa[l]p... | 18.19 | 4.8     | ng    | 890764   | 4                     | 17.08 | 3744600 | 20.0 |
| 2-Phenylnaphthalene  | 18.46 | 4.8     | ng    | 888874   | 4                     | 17.08 | 3744600 | 20.0 |
| 9,10-Anthracenedione | 18.51 | 4.3     | ng    | 799263   | 4                     | 17.08 | 3744600 | 20.0 |
| Phenanthrene, 2,5... | 18.87 | 5.3     | ng    | 991244   | 4                     | 17.08 | 3744600 | 20.0 |
| unknown18.94         | 18.94 | 3.1     | ng    | 575693   | 4                     | 17.08 | 3744600 | 20.0 |
| Cyclopenta(def)ph... | 19.02 | 5.3     | ng    | 983901   | 4                     | 17.08 | 3744600 | 20.0 |
| Pyrene, 1-methyl-    | 19.83 | 2.9     | ng    | 1441030  | 5                     | 21.28 | 9913440 | 20.0 |
| Z-8-Hexadecene       | 20.97 | 3.9     | ng    | 1949710  | 5                     | 21.28 | 9913440 | 20.0 |
| Benzo[e]pyrene       | 23.02 | 3.4     | ng    | 628589   | 6                     | 23.52 | 3724600 | 20.0 |