

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\  
 Data File : BM020303.D  
 Acq On : 12 May 2019 17:55  
 Operator : JU/SJ  
 Sample : K2768-03  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 P026-SS013-1824-01

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-BM043019.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         | 5.345       | 395           | 401         | 412          | rBV      | 1318155        | 1867210       | 43.49%          | 3.067%        |
| 2         | 6.934       | 663           | 671         | 687          | rBV      | 1195610        | 1942283       | 45.24%          | 3.190%        |
| 3         | 7.292       | 725           | 732         | 747          | rBV      | 1260786        | 2023512       | 47.13%          | 3.324%        |
| 4         | 7.763       | 805           | 812         | 819          | rBV      | 227850         | 365338        | 8.51%           | 0.600%        |
| 5         | 8.081       | 859           | 866         | 880          | rBV      | 905148         | 1456688       | 33.93%          | 2.393%        |
| 6         | 8.928       | 1003          | 1010        | 1032         | rBV      | 674260         | 1192004       | 27.76%          | 1.958%        |
| 7         | 10.557      | 1280          | 1287        | 1292         | rBV      | 234287         | 411858        | 9.59%           | 0.677%        |
| 8         | 10.604      | 1292          | 1295        | 1303         | rVB      | 46341          | 75645         | 1.76%           | 0.124%        |
| 9         | 12.222      | 1563          | 1570        | 1583         | rVB      | 26071          | 48237         | 1.12%           | 0.079%        |
| 10        | 13.021      | 1700          | 1706        | 1722         | rBV      | 1418109        | 2117260       | 49.31%          | 3.478%        |
| 11        | 13.863      | 1844          | 1849        | 1855         | rBV      | 217566         | 325555        | 7.58%           | 0.535%        |
| 12        | 14.133      | 1886          | 1895        | 1906         | rBV      | 227051         | 361338        | 8.42%           | 0.594%        |
| 13        | 14.410      | 1932          | 1942        | 1950         | rBV2     | 370913         | 564757        | 13.15%          | 0.928%        |
| 14        | 15.015      | 2039          | 2045        | 2051         | rBV3     | 22303          | 48168         | 1.12%           | 0.079%        |
| 15        | 15.280      | 2086          | 2090        | 2097         | rVB      | 40382          | 59345         | 1.38%           | 0.097%        |
| 16        | 15.904      | 2187          | 2196        | 2213         | rBV      | 1362550        | 2001675       | 46.62%          | 3.288%        |
| 17        | 16.133      | 2227          | 2235        | 2240         | rBV7     | 31809          | 71180         | 1.66%           | 0.117%        |
| 18        | 16.457      | 2284          | 2290        | 2296         | rBV8     | 22420          | 61071         | 1.42%           | 0.100%        |
| 19        | 16.733      | 2333          | 2337        | 2343         | rVB      | 43918          | 61813         | 1.44%           | 0.102%        |
| 20        | 16.815      | 2346          | 2351        | 2359         | rVB      | 59102          | 90691         | 2.11%           | 0.149%        |
| 21        | 16.980      | 2372          | 2379        | 2384         | rVB      | 56612          | 82522         | 1.92%           | 0.136%        |
| 22        | 17.156      | 2404          | 2409        | 2413         | rBV      | 479344         | 740103        | 17.24%          | 1.216%        |
| 23        | 17.204      | 2413          | 2417        | 2427         | rVB      | 846718         | 1269558       | 29.57%          | 2.085%        |
| 24        | 17.292      | 2427          | 2432        | 2437         | rBV      | 186749         | 262645        | 6.12%           | 0.431%        |
| 25        | 17.345      | 2437          | 2441        | 2448         | rVB4     | 37230          | 71768         | 1.67%           | 0.118%        |
| 26        | 17.633      | 2485          | 2490        | 2494         | rVV3     | 42153          | 70689         | 1.65%           | 0.116%        |
| 27        | 17.674      | 2494          | 2497        | 2503         | rVV      | 87360          | 120617        | 2.81%           | 0.198%        |
| 28        | 17.739      | 2503          | 2508        | 2513         | rVV2     | 80640          | 121915        | 2.84%           | 0.200%        |
| 29        | 17.845      | 2520          | 2526        | 2528         | rBV2     | 31468          | 47870         | 1.11%           | 0.079%        |
| 30        | 17.880      | 2528          | 2532        | 2541         | rVB      | 39604          | 87254         | 2.03%           | 0.143%        |
| 31        | 17.956      | 2541          | 2545        | 2549         | rBV3     | 34253          | 57241         | 1.33%           | 0.094%        |
| 32        | 18.033      | 2552          | 2558        | 2562         | rBV      | 370107         | 575832        | 13.41%          | 0.946%        |
| 33        | 18.080      | 2562          | 2566        | 2572         | rVV      | 357923         | 493976        | 11.51%          | 0.811%        |
| 34        | 18.162      | 2576          | 2580        | 2585         | rVV      | 66839          | 95462         | 2.22%           | 0.157%        |

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 Sample : K2768-03  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 P026-SS013-1824-01

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-BM043019.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 18.221 | 2585 | 2590 | 2595 | rVV2 | 356297  | 719491  | 16.76%  | 1.182% |
| 36 | 18.262 | 2595 | 2597 | 2605 | rVB  | 255453  | 349472  | 8.14%   | 0.574% |
| 37 | 18.345 | 2605 | 2611 | 2615 | rBV4 | 45027   | 71184   | 1.66%   | 0.117% |
| 38 | 18.427 | 2622 | 2625 | 2630 | rVB2 | 55967   | 74904   | 1.74%   | 0.123% |
| 39 | 18.539 | 2637 | 2644 | 2647 | rBV  | 273425  | 396194  | 9.23%   | 0.651% |
| 40 | 18.586 | 2647 | 2652 | 2661 | rVB  | 320656  | 488920  | 11.39%  | 0.803% |
| 41 | 18.750 | 2676 | 2680 | 2682 | rBV3 | 44934   | 57814   | 1.35%   | 0.095% |
| 42 | 18.780 | 2682 | 2685 | 2690 | rVV3 | 76197   | 135121  | 3.15%   | 0.222% |
| 43 | 18.827 | 2690 | 2693 | 2697 | rVV  | 79508   | 112935  | 2.63%   | 0.186% |
| 44 | 18.868 | 2697 | 2700 | 2705 | rVB2 | 62200   | 83948   | 1.96%   | 0.138% |
| 45 | 18.950 | 2705 | 2714 | 2720 | rBV2 | 281080  | 597535  | 13.92%  | 0.982% |
| 46 | 19.009 | 2721 | 2724 | 2728 | rVV3 | 127986  | 248851  | 5.80%   | 0.409% |
| 47 | 19.045 | 2728 | 2730 | 2734 | rVV  | 115127  | 137033  | 3.19%   | 0.225% |
| 48 | 19.098 | 2734 | 2739 | 2751 | rVV2 | 266793  | 548944  | 12.79%  | 0.902% |
| 49 | 19.221 | 2751 | 2760 | 2765 | rVV  | 1649871 | 2242467 | 52.23%  | 3.684% |
| 50 | 19.280 | 2766 | 2770 | 2773 | rVV2 | 110344  | 170042  | 3.96%   | 0.279% |
| 51 | 19.321 | 2773 | 2777 | 2781 | rVV3 | 124042  | 210791  | 4.91%   | 0.346% |
| 52 | 19.374 | 2781 | 2786 | 2790 | rVV  | 321928  | 474141  | 11.04%  | 0.779% |
| 53 | 19.421 | 2790 | 2794 | 2798 | rVV2 | 165214  | 256940  | 5.98%   | 0.422% |
| 54 | 19.468 | 2798 | 2802 | 2803 | rVV2 | 89167   | 131329  | 3.06%   | 0.216% |
| 55 | 19.492 | 2803 | 2806 | 2809 | rVV  | 141912  | 189422  | 4.41%   | 0.311% |
| 56 | 19.586 | 2813 | 2822 | 2830 | rVV  | 2917243 | 4293353 | 100.00% | 7.052% |
| 57 | 19.656 | 2830 | 2834 | 2839 | rVB4 | 114967  | 182403  | 4.25%   | 0.300% |
| 58 | 19.786 | 2851 | 2856 | 2871 | rVB  | 2709983 | 3580768 | 83.40%  | 5.882% |
| 59 | 19.909 | 2871 | 2877 | 2886 | rBV3 | 262433  | 651950  | 15.19%  | 1.071% |
| 60 | 19.992 | 2887 | 2891 | 2895 | rBV5 | 64411   | 103702  | 2.42%   | 0.170% |
| 61 | 20.045 | 2895 | 2900 | 2903 | rBV4 | 265345  | 513743  | 11.97%  | 0.844% |
| 62 | 20.150 | 2914 | 2918 | 2919 | rBV4 | 34621   | 43526   | 1.01%   | 0.071% |
| 63 | 20.180 | 2919 | 2923 | 2928 | rVB2 | 107591  | 153685  | 3.58%   | 0.252% |
| 64 | 20.239 | 2928 | 2933 | 2937 | rBV  | 475091  | 572656  | 13.34%  | 0.941% |
| 65 | 20.339 | 2946 | 2950 | 2953 | rBV  | 47103   | 66470   | 1.55%   | 0.109% |
| 66 | 20.380 | 2953 | 2957 | 2960 | rVV  | 447940  | 564832  | 13.16%  | 0.928% |
| 67 | 20.421 | 2960 | 2964 | 2975 | rVB  | 358676  | 527196  | 12.28%  | 0.866% |
| 68 | 20.544 | 2981 | 2985 | 2989 | rBV4 | 54876   | 83342   | 1.94%   | 0.137% |
| 69 | 20.739 | 3015 | 3018 | 3022 | rBV5 | 50601   | 73692   | 1.72%   | 0.121% |
| 70 | 20.827 | 3029 | 3033 | 3039 | rVB  | 304349  | 441509  | 10.28%  | 0.725% |
| 71 | 20.915 | 3045 | 3048 | 3051 | rVB  | 59980   | 68087   | 1.59%   | 0.112% |

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Instrument :  
 BNA\_M  
 ClientSampleId :  
 P026-SS013-1824-01

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-BM043019.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 72 | 20.992 | 3052 | 3061 | 3065 | rVV2 | 285110  | 598729  | 13.95% | 0.984% |
| 73 | 21.033 | 3065 | 3068 | 3072 | rVV  | 395779  | 600950  | 14.00% | 0.987% |
| 74 | 21.068 | 3072 | 3074 | 3078 | rVV  | 269159  | 350319  | 8.16%  | 0.575% |
| 75 | 21.127 | 3080 | 3084 | 3090 | rVB2 | 244448  | 365166  | 8.51%  | 0.600% |
| 76 | 21.339 | 3114 | 3120 | 3125 | rBV3 | 1538552 | 3337661 | 77.74% | 5.483% |
| 77 | 21.386 | 3125 | 3128 | 3134 | rVB  | 1427354 | 1814691 | 42.27% | 2.981% |
| 78 | 21.515 | 3148 | 3150 | 3153 | rBV3 | 57540   | 64246   | 1.50%  | 0.106% |
| 79 | 21.556 | 3153 | 3157 | 3168 | rVB  | 581965  | 919694  | 21.42% | 1.511% |
| 80 | 21.709 | 3180 | 3183 | 3192 | rVB2 | 127729  | 221331  | 5.16%  | 0.364% |
| 81 | 21.844 | 3203 | 3206 | 3209 | rBV  | 90620   | 133993  | 3.12%  | 0.220% |
| 82 | 21.903 | 3209 | 3216 | 3220 | rVV  | 346306  | 602611  | 14.04% | 0.990% |
| 83 | 21.956 | 3221 | 3225 | 3231 | rVB2 | 234557  | 413824  | 9.64%  | 0.680% |
| 84 | 22.027 | 3234 | 3237 | 3241 | rVB2 | 119324  | 155339  | 3.62%  | 0.255% |
| 85 | 22.103 | 3246 | 3250 | 3253 | rVV2 | 237398  | 407101  | 9.48%  | 0.669% |
| 86 | 22.133 | 3253 | 3255 | 3260 | rVV3 | 208695  | 295772  | 6.89%  | 0.486% |
| 87 | 22.209 | 3264 | 3268 | 3274 | rVB  | 165469  | 243294  | 5.67%  | 0.400% |
| 88 | 22.674 | 3344 | 3347 | 3359 | rVB3 | 89120   | 193346  | 4.50%  | 0.318% |
| 89 | 22.950 | 3388 | 3394 | 3406 | rVB2 | 942159  | 2812993 | 65.52% | 4.621% |
| 90 | 23.121 | 3418 | 3423 | 3430 | rVB  | 228952  | 420345  | 9.79%  | 0.690% |
| 91 | 23.438 | 3470 | 3477 | 3487 | rBV  | 874097  | 1669168 | 38.88% | 2.742% |
| 92 | 23.538 | 3487 | 3494 | 3500 | rBV  | 1075937 | 1921962 | 44.77% | 3.157% |
| 93 | 23.638 | 3505 | 3511 | 3516 | rVV  | 555785  | 1172041 | 27.30% | 1.925% |
| 94 | 23.691 | 3516 | 3520 | 3526 | rVB3 | 170068  | 354249  | 8.25%  | 0.582% |
| 95 | 24.527 | 3657 | 3662 | 3673 | rVB4 | 128658  | 346364  | 8.07%  | 0.569% |
| 96 | 25.956 | 3897 | 3905 | 3916 | rVB2 | 474351  | 1408078 | 32.80% | 2.313% |
| 97 | 26.679 | 4019 | 4028 | 4037 | rVB2 | 440271  | 1192430 | 27.77% | 1.959% |

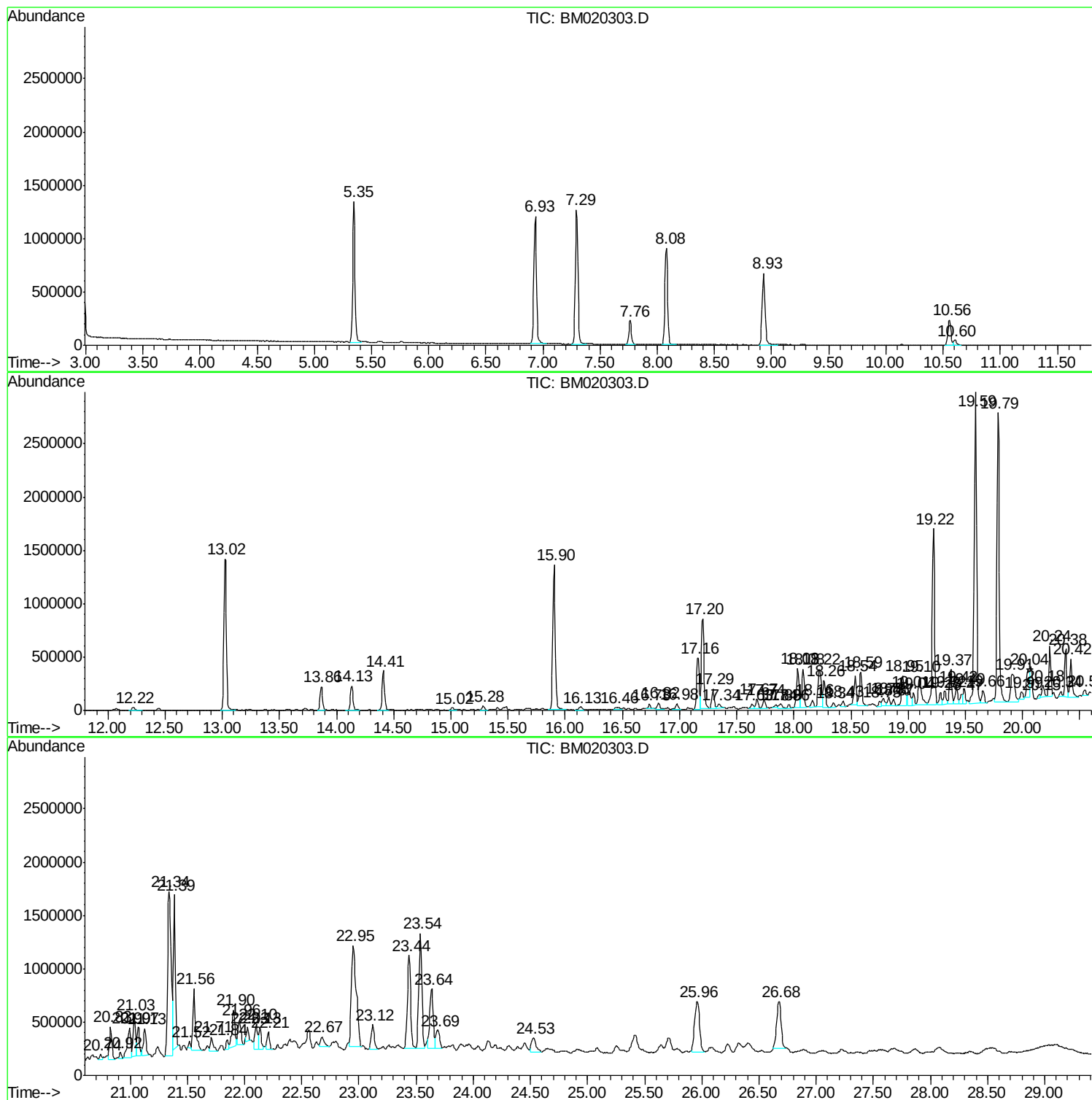
Sum of corrected areas: 60877169

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Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
P026-SS013-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.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\BM051219\  
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Sample : K2768-03  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

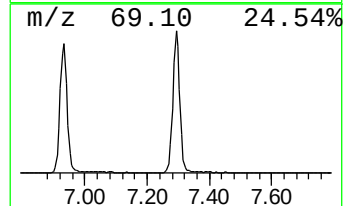
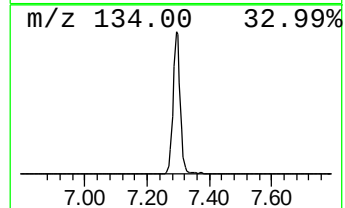
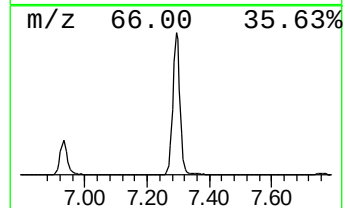
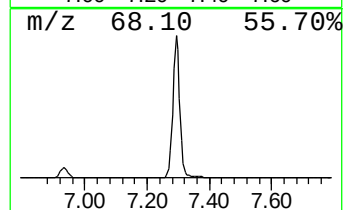
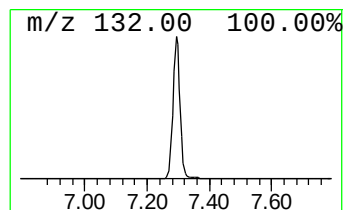
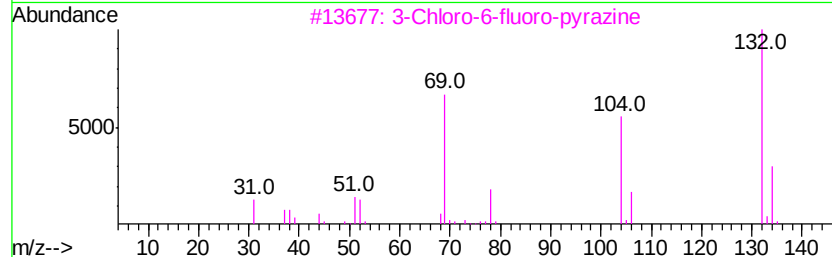
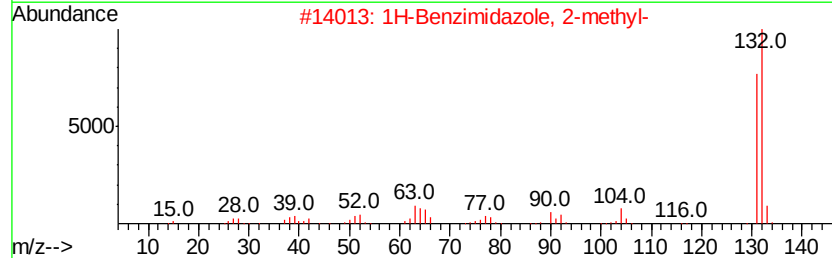
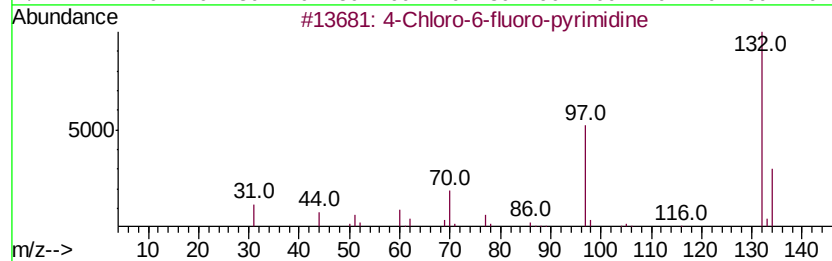
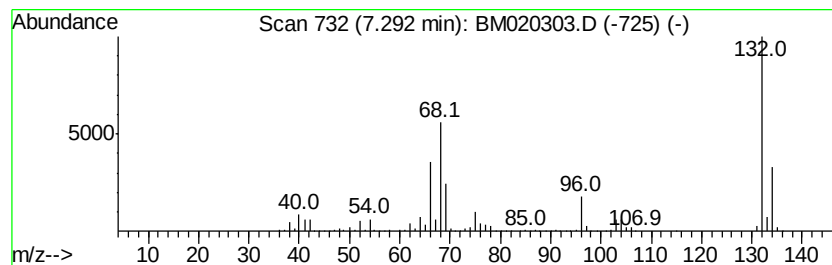
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 unknown7.29 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.29 | 110.78 ng | 2023510 | 1,4-Dichlorobenzene-d4 | 7.76 |

| Hit# | of | Tentative ID                       | MW  | MolForm   | CAS#         | Qual |
|------|----|------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 4-Chloro-6-fluoro-pyrimidine       | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 2    |    | 1H-Benzimidazole, 2-methyl-        | 132 | C8H8N2    | 000615-15-6  | 22   |
| 3    |    | 3-Chloro-6-fluoro-pyrazine         | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 4    |    | 2H-Cyclopentadipyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 12   |
| 5    |    | 5-Fluoro-2-chloropyrimidine        | 132 | C4H2ClFN2 | 062802-42-0  | 12   |



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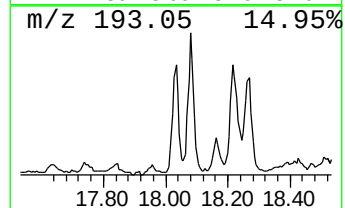
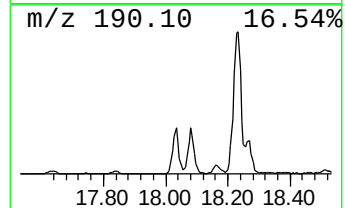
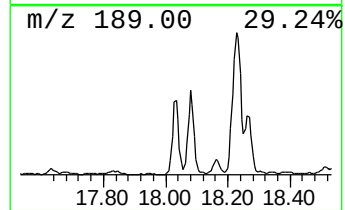
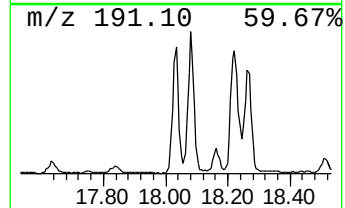
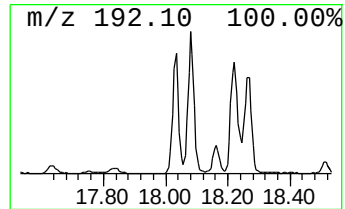
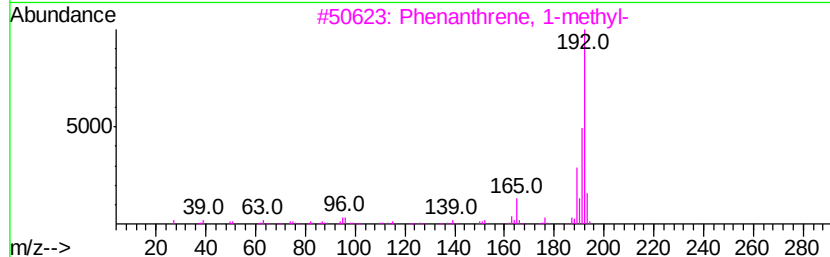
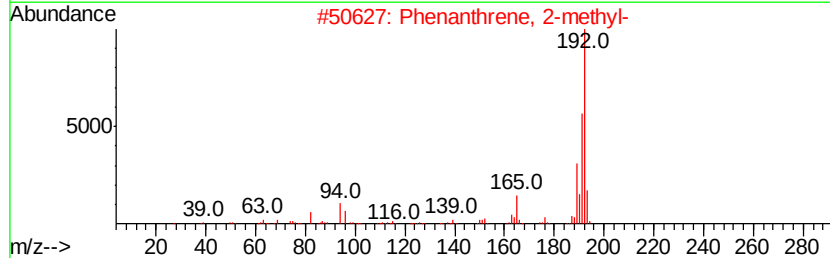
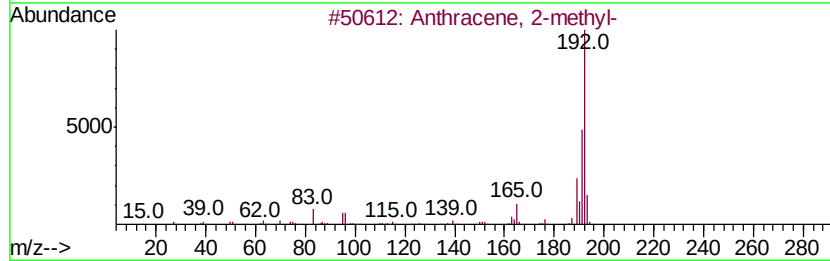
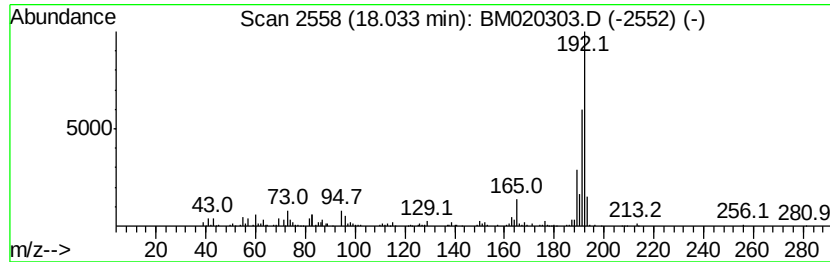
Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 Anthracene, 2-methyl- Concentration Rank 6

| R.T.      | EstConc                               | Area   | Relative to ISTD | R.T.        |      |
|-----------|---------------------------------------|--------|------------------|-------------|------|
| 18.03     | 15.56 ng                              | 575832 | Phenanthrene-d10 | 17.16       |      |
| Hit# of 5 | Tentative ID                          | MW     | MolForm          | CAS#        | Qual |
| 1         | Anthracene, 2-methyl-                 | 192    | C15H12           | 000613-12-7 | 96   |
| 2         | Phenanthrene, 2-methyl-               | 192    | C15H12           | 002531-84-2 | 96   |
| 3         | Phenanthrene, 1-methyl-               | 192    | C15H12           | 000832-69-9 | 95   |
| 4         | 1H-Cyclopropa[1,1]phenanthrene,1a,... | 192    | C15H12           | 000949-41-7 | 94   |
| 5         | Anthracene, 9-methyl-                 | 192    | C15H12           | 000779-02-2 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\  
Data File : BM020303.D  
Acq On : 12 May 2019 17:55  
Operator : JU/SJ  
Sample : K2768-03  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

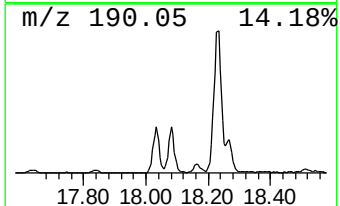
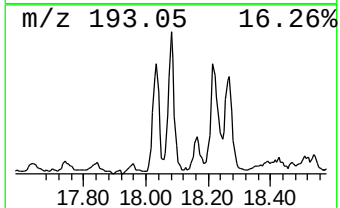
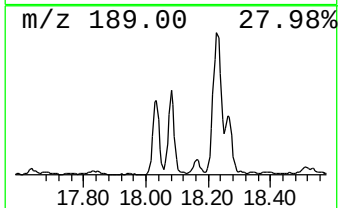
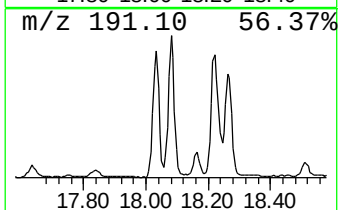
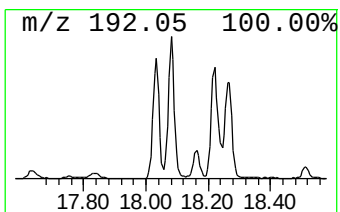
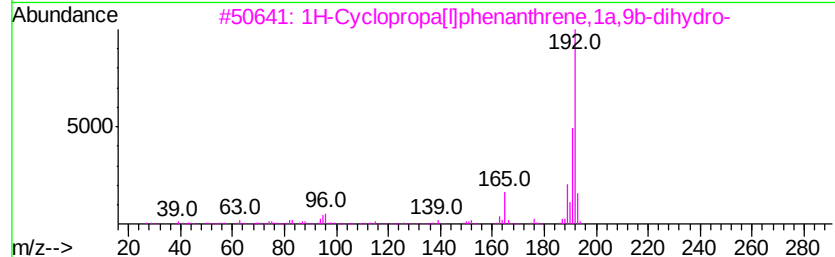
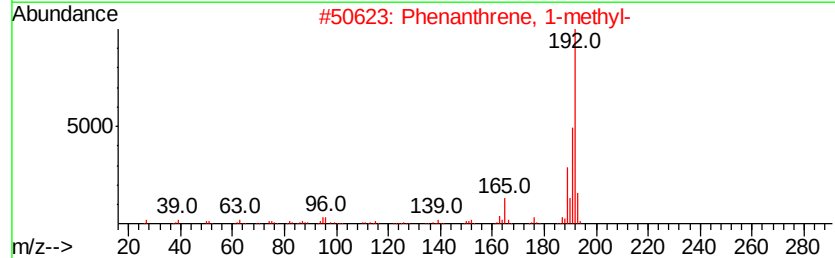
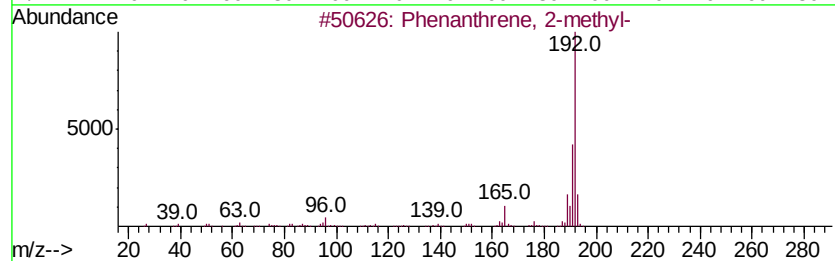
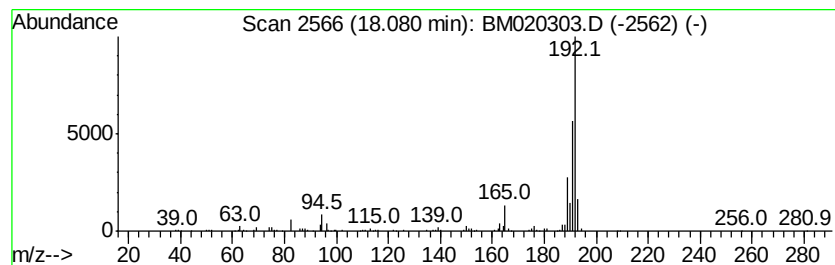
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 8

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 18.08     | 13.35 ng                            | 493976 | Phenanthrene-d10 | 17.16       |      |
| 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 | 95   |
| 3         | 1H-Cyclopropa[1]phenanthrene,1a,... | 192    | C15H12           | 000949-41-7 | 94   |
| 4         | Anthracene, 1-methyl-               | 192    | C15H12           | 000610-48-0 | 94   |
| 5         | Anthracene, 2-methyl-               | 192    | C15H12           | 000613-12-7 | 94   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\  
Data File : BM020303.D  
Acq On : 12 May 2019 17:55  
Operator : JU/SJ  
Sample : K2768-03  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
P026-SS013-1824-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

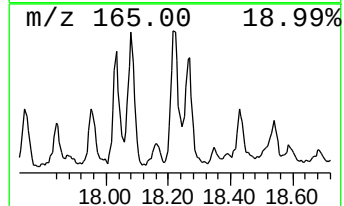
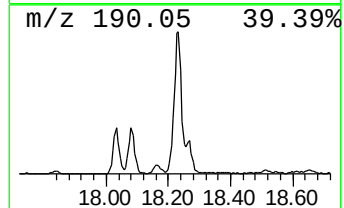
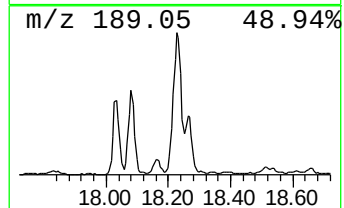
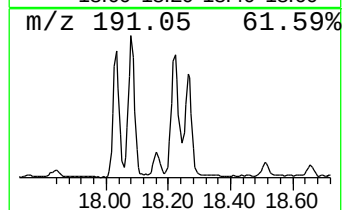
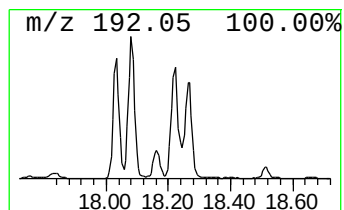
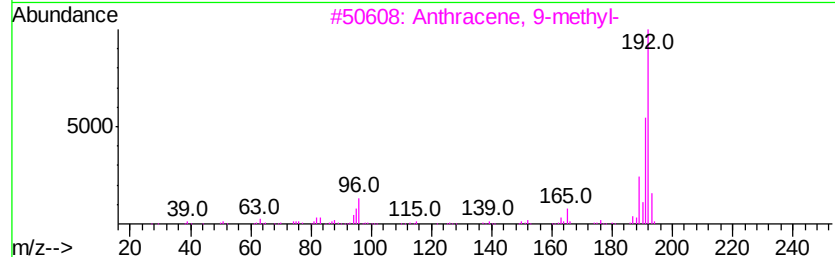
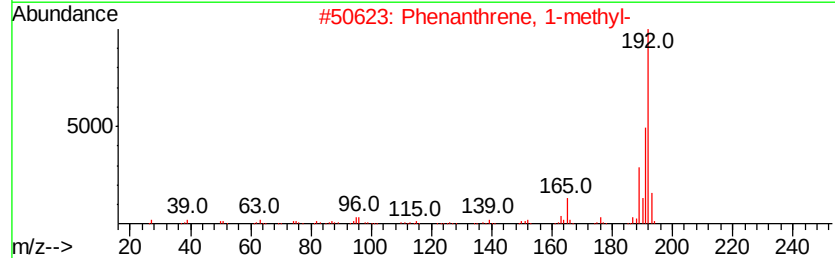
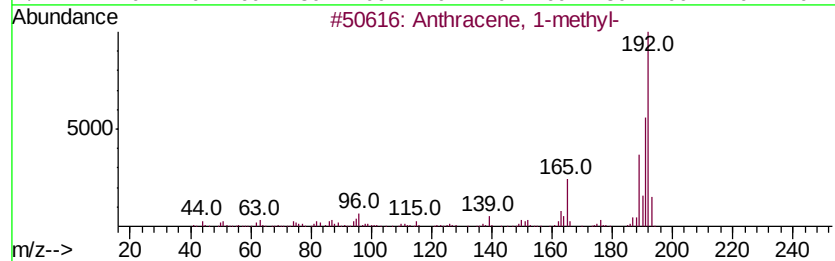
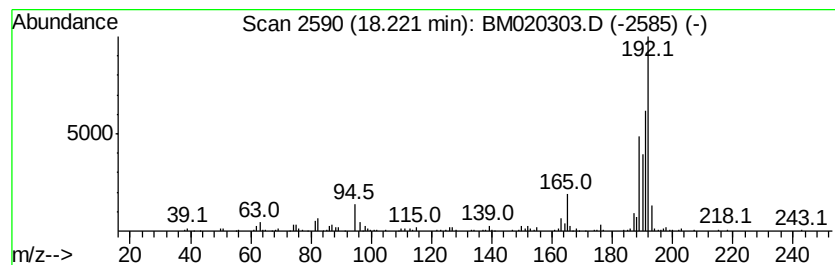
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TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 18.22 | 19.44 ng | 719491 | Phenanthrene-d10 | 17.16 |

| Hit# of | 5 | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|---------|---|--------------------------------------|-----|---------|-------------|------|
| 1       |   | Anthracene, 1-methyl-                | 192 | C15H12  | 000610-48-0 | 91   |
| 2       |   | Phenanthrene, 1-methyl-              | 192 | C15H12  | 000832-69-9 | 91   |
| 3       |   | Anthracene, 9-methyl-                | 192 | C15H12  | 000779-02-2 | 83   |
| 4       |   | 5H-Dibenzo[a,d]cycloheptene          | 192 | C15H12  | 000256-81-5 | 60   |
| 5       |   | 1H-Cyclopropa[l]phenanthrene, 1a,... | 192 | C15H12  | 000949-41-7 | 60   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\  
Data File : BM020303.D  
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Operator : JU/SJ  
Sample : K2768-03  
Misc :  
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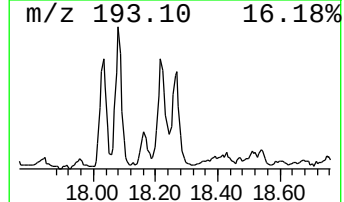
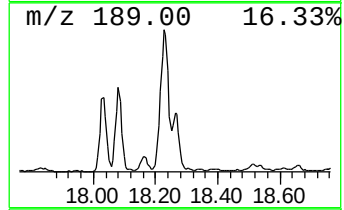
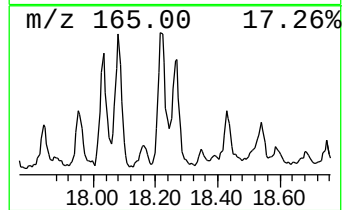
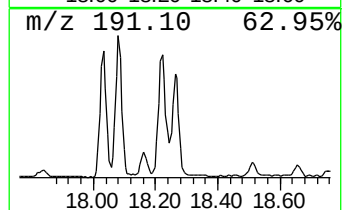
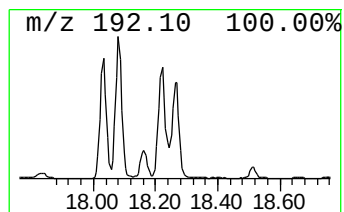
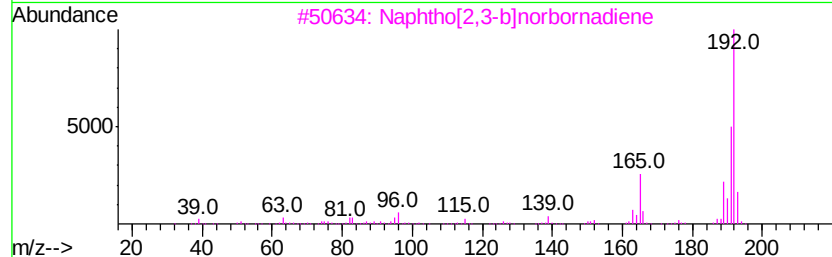
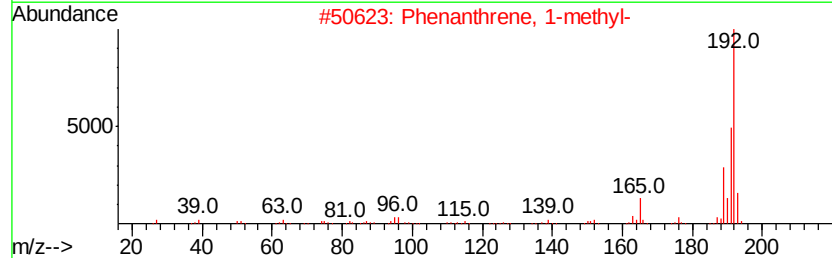
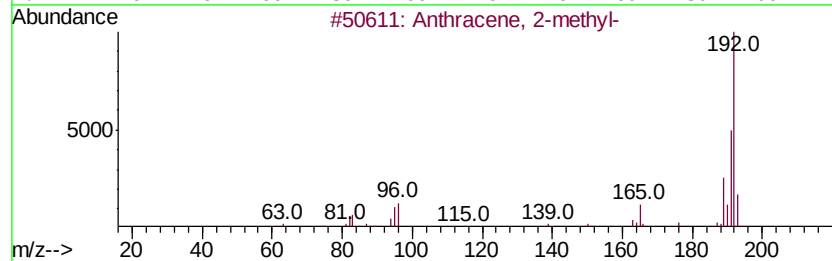
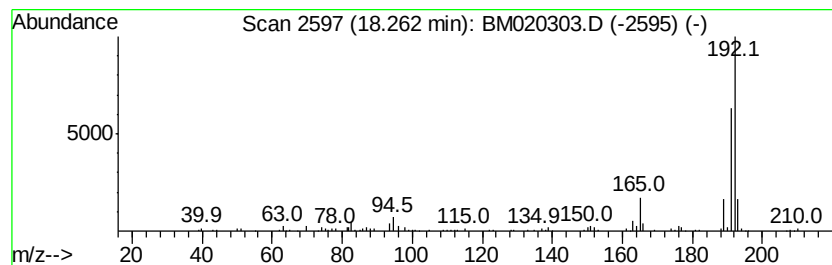
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ClientSampleId :  
P026-SS013-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.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 6 Phenanthrene, 1-methyl- Concentration Rank 11

| R.T.      | EstConc                               | Area   | Relative to ISTD |             | R.T.  |
|-----------|---------------------------------------|--------|------------------|-------------|-------|
| 18.26     | 9.44 ng                               | 349472 | Phenanthrene-d10 |             | 17.16 |
| Hit# of 5 | Tentative ID                          | MW     | MolForm          | CAS#        | Qual  |
| 1         | Anthracene, 2-methyl-                 | 192    | C15H12           | 000613-12-7 | 90    |
| 2         | Phenanthrene, 1-methyl-               | 192    | C15H12           | 000832-69-9 | 90    |
| 3         | Naphtho[2,3-b]norbornadiene           | 192    | C15H12           | 107426-38-0 | 90    |
| 4         | Phenanthrene, 4-methyl-               | 192    | C15H12           | 000832-64-4 | 90    |
| 5         | 1H-Cyclopropa[l]phenanthrene, 1a, ... | 192    | C15H12           | 000949-41-7 | 90    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\  
Data File : BM020303.D  
Acq On : 12 May 2019 17:55  
Operator : JU/SJ  
Sample : K2768-03  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
P026-SS013-1824-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

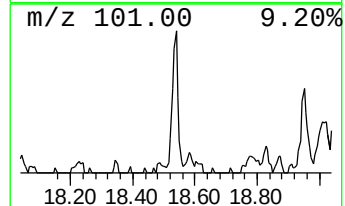
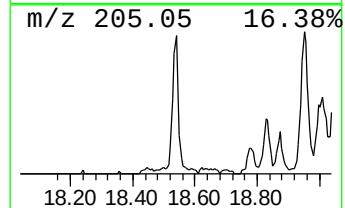
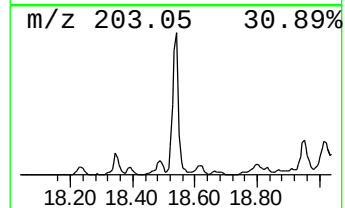
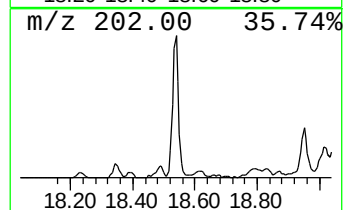
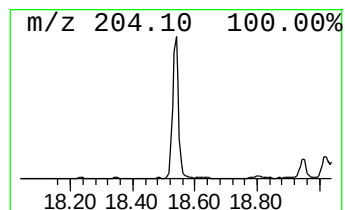
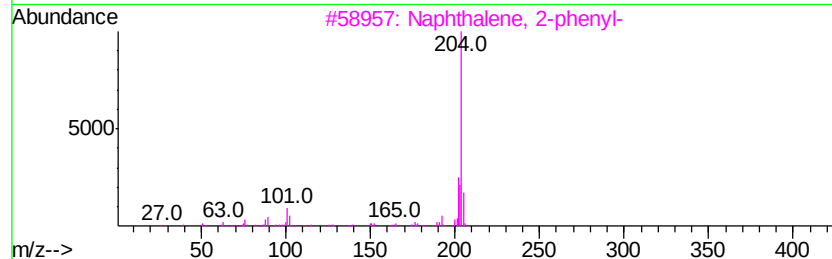
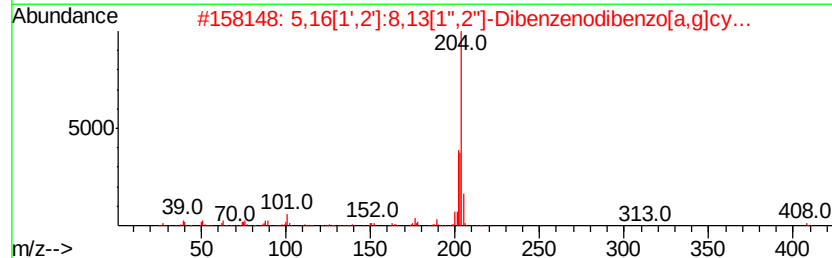
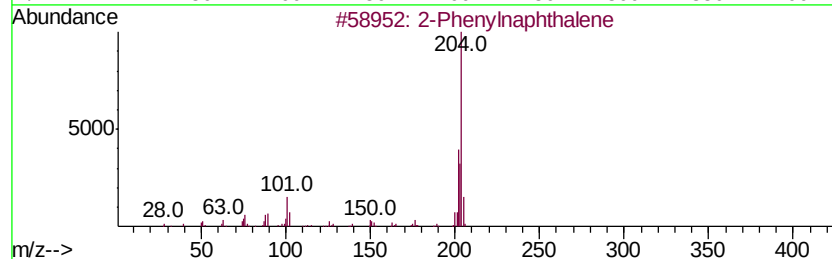
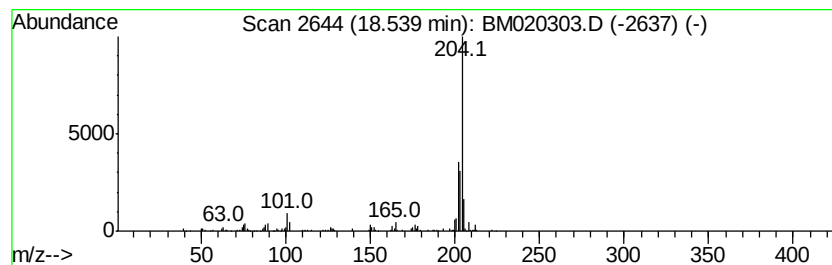
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 2-Phenylnaphthalene Concentration Rank 10

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 18.54 | 10.71 ng | 396194 | Phenanthrene-d10 | 17.16 |

| Hit# | of | Tentative ID                         | MW  | MolForm   | CAS#        | Qual |
|------|----|--------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | 2-Phenylnaphthalene                  | 204 | C16H12    | 035465-71-5 | 93   |
| 2    |    | 5,16[1',2'] :8,13[1'',2'']-Dibenz... | 408 | C32H24    | 005672-97-9 | 91   |
| 3    |    | Naphthalene, 2-phenyl-               | 204 | C16H12    | 000612-94-2 | 89   |
| 4    |    | Naphthalene, 1-phenyl-               | 204 | C16H12    | 000605-02-7 | 58   |
| 5    |    | 9,10-Bis(bromomethyl)anthracene      | 362 | C16H12Br2 | 034373-96-1 | 58   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\  
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Acq On : 12 May 2019 17:55  
Operator : JU/SJ  
Sample : K2768-03  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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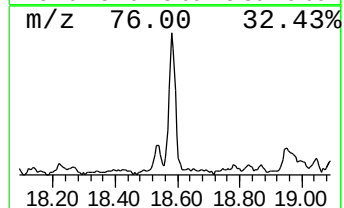
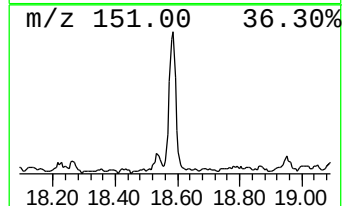
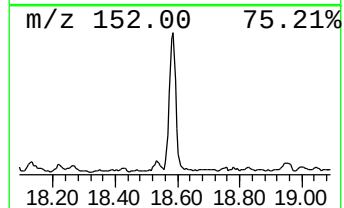
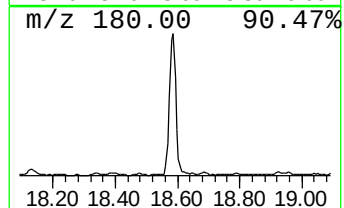
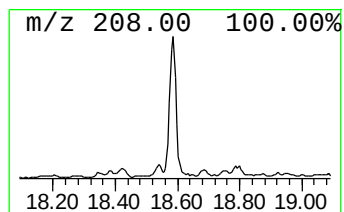
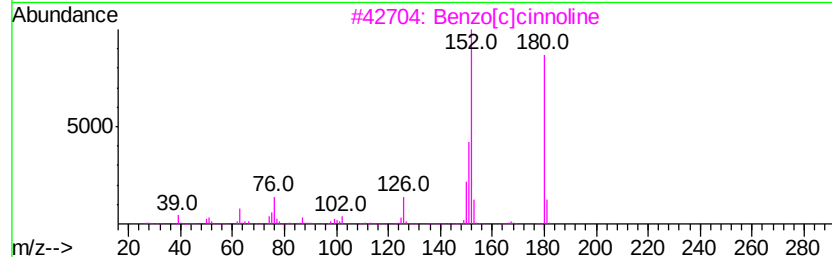
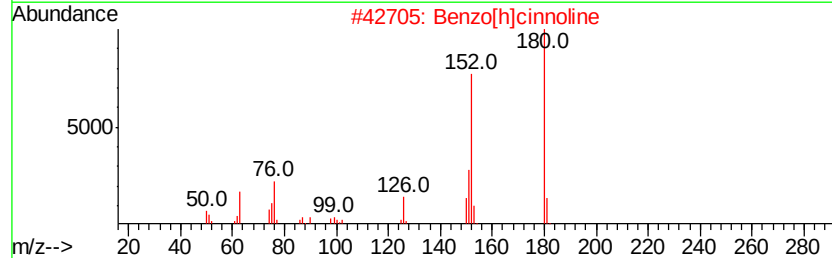
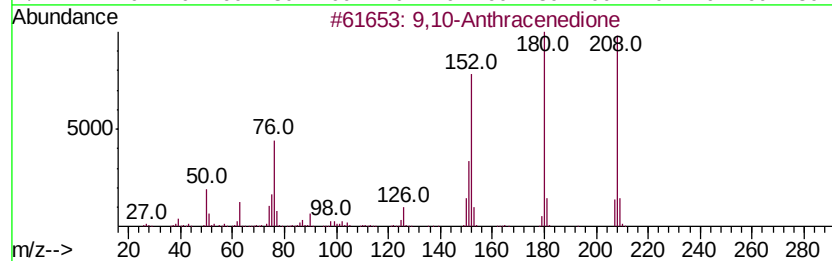
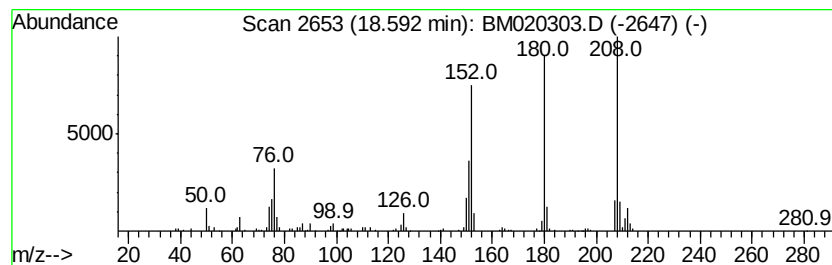
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 9,10-Anthracenedione Concentration Rank 9

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 18.59 | 13.21 ng | 488920 | Phenanthrene-d10 | 17.16 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------|-----|---------|-------------|------|
| 1    | 5  | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 97   |
| 2    |    | Benzo[h]cinnoline    | 180 | C12H8N2 | 000230-31-9 | 83   |
| 3    |    | Benzo[c]cinnoline    | 180 | C12H8N2 | 000230-17-1 | 83   |
| 4    |    | 1H-Phenalen-1-one    | 180 | C13H8O  | 000548-39-0 | 60   |
| 5    |    | 1,4-Anthracenedione  | 208 | C14H8O2 | 000635-12-1 | 52   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\  
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Operator : JU/SJ  
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Misc :  
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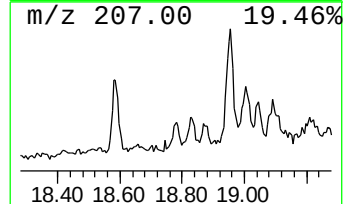
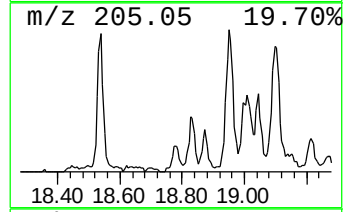
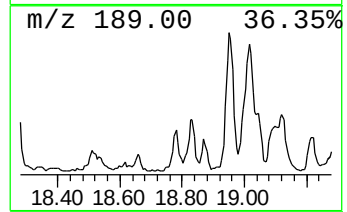
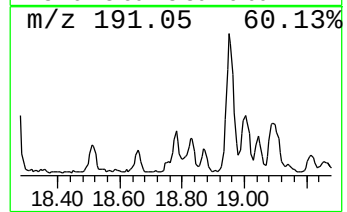
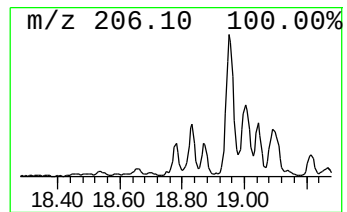
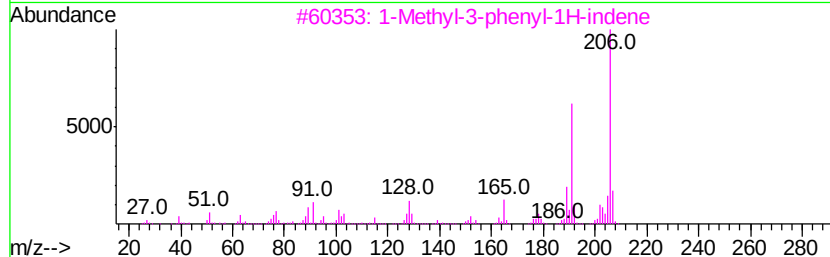
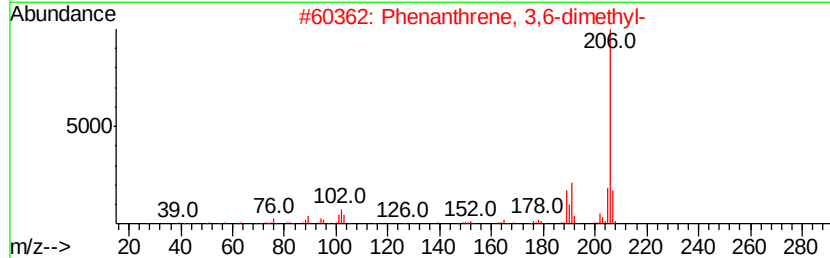
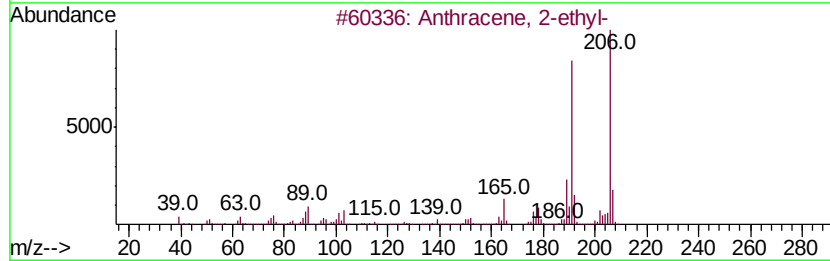
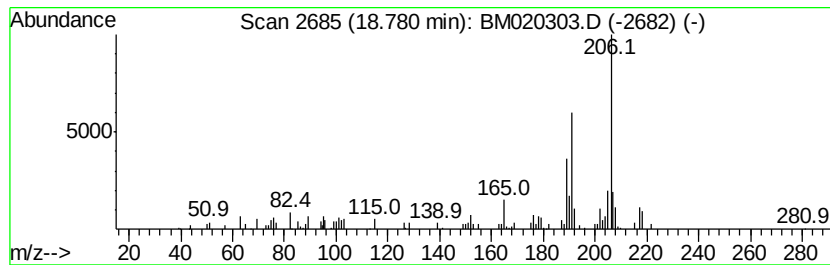
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P026-SS013-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.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 9 Anthracene, 2-ethyl- Concentration Rank 19

| R.T.      | EstConc                           | Area   | Relative to ISTD | R.T.        |      |
|-----------|-----------------------------------|--------|------------------|-------------|------|
| 18.78     | 3.65 ng                           | 135121 | Phenanthrene-d10 | 17.16       |      |
| Hit# of 5 | Tentative ID                      | MW     | MolForm          | CAS#        | Qual |
| 1         | Anthracene, 2-ethyl-              | 206    | C16H14           | 052251-71-5 | 92   |
| 2         | Phenanthrene, 3,6-dimethyl-       | 206    | C16H14           | 001576-67-6 | 90   |
| 3         | 1-Methyl-3-phenyl-1H-indene       | 206    | C16H14           | 022360-62-9 | 90   |
| 4         | Phenanthrene, 2,3-dimethyl-       | 206    | C16H14           | 003674-65-5 | 90   |
| 5         | 1,3-Diphenyl-3-methylcyclopropene | 206    | C16H14           | 086544-79-8 | 81   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\  
Data File : BM020303.D  
Acq On : 12 May 2019 17:55  
Operator : JU/SJ  
Sample : K2768-03  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
P026-SS013-1824-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

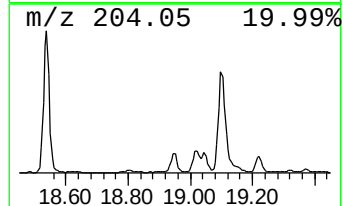
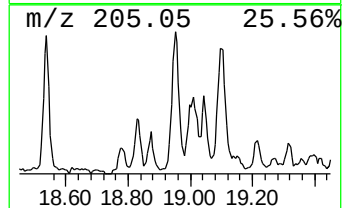
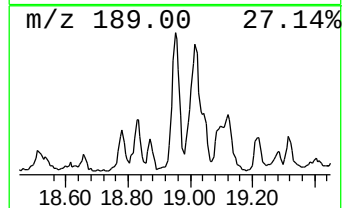
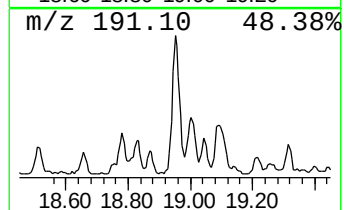
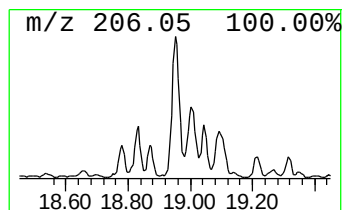
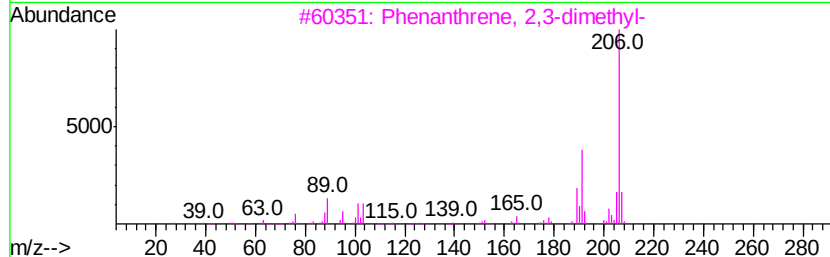
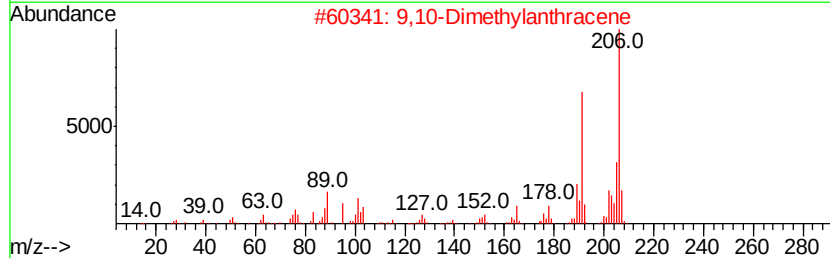
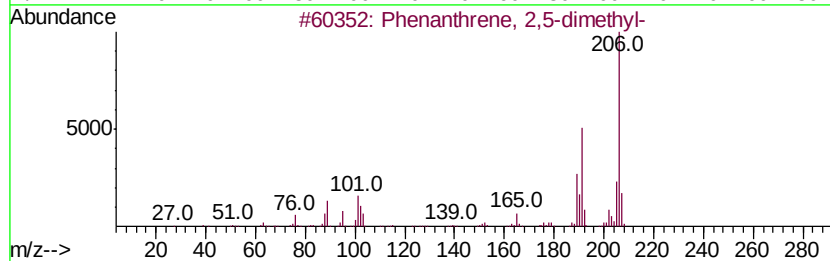
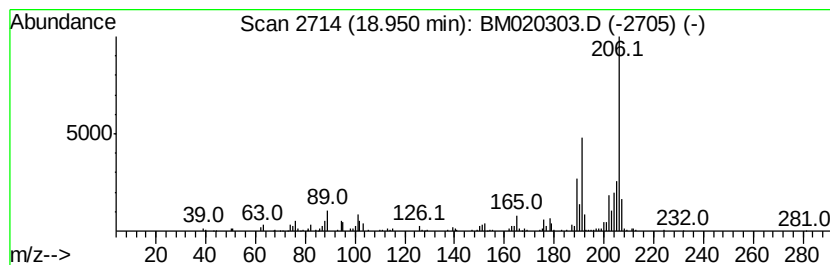
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TIC Integration Parameters: LSCINT.P

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Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 18.95 | 16.15 ng | 597535 | Phenanthrene-d10 | 17.16 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Phenanthrene, 2,5-dimethyl- | 206 | C16H14  | 003674-66-6 | 96   |
| 2    |    | 9,10-Dimethylantracene      | 206 | C16H14  | 000781-43-1 | 94   |
| 3    |    | Phenanthrene, 2,3-dimethyl- | 206 | C16H14  | 003674-65-5 | 90   |
| 4    |    | Phenanthrene, 3,6-dimethyl- | 206 | C16H14  | 001576-67-6 | 90   |
| 5    |    | 3-Methyl-1-phenyl-1H-indene | 206 | C16H14  | 022360-63-0 | 89   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\  
Data File : BM020303.D  
Acq On : 12 May 2019 17:55  
Operator : JU/SJ  
Sample : K2768-03  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
P026-SS013-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

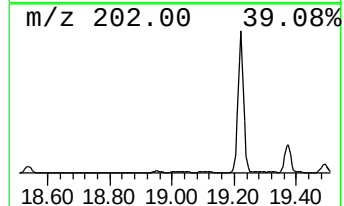
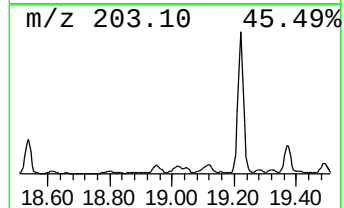
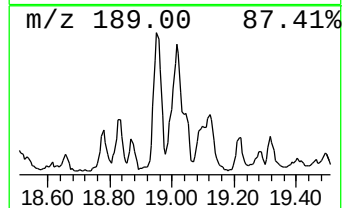
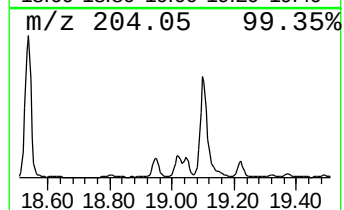
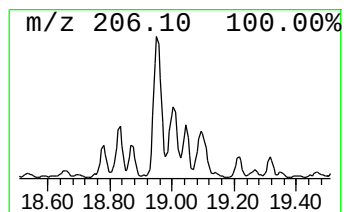
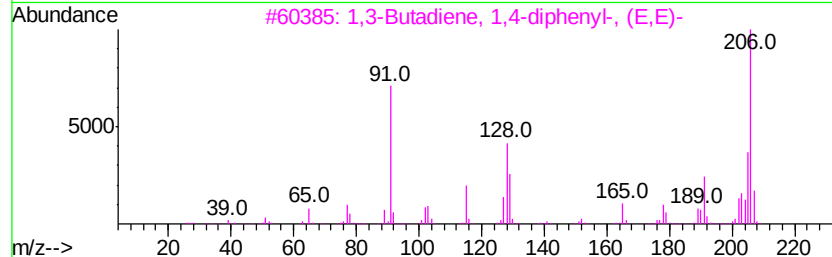
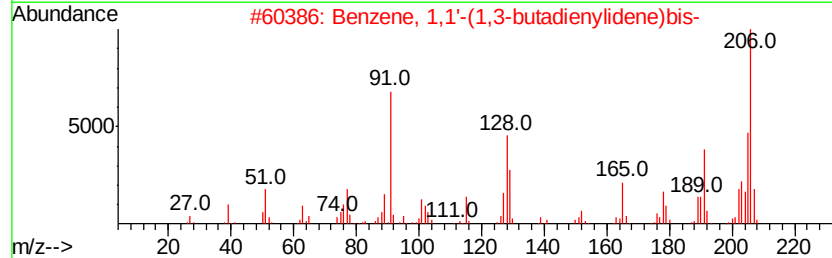
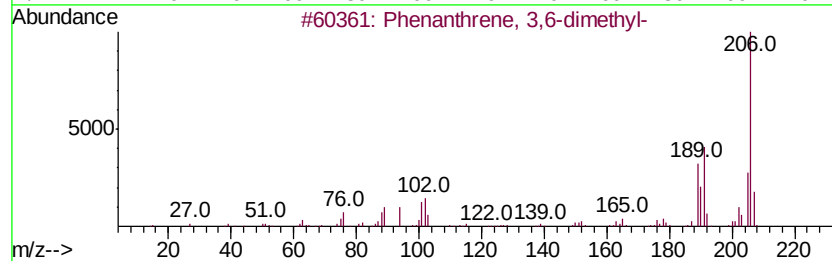
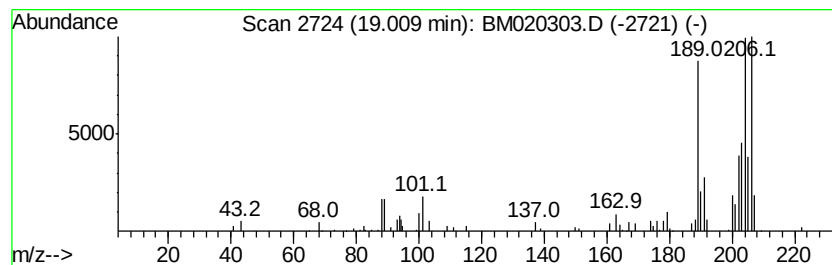
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 unknown19.01 Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 19.01 | 6.72 ng | 248851 | Phenanthrene-d10 | 17.16 |

| Hit# | of | 5 | Tentative ID                            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 3,6-dimethyl-             | 206 | C16H14  | 001576-67-6 | 42   |
| 2    |    |   | Benzene, 1,1'-(1,3-butadienylidene)bis- | 206 | C16H14  | 004165-81-5 | 38   |
| 3    |    |   | 1,3-Butadiene, 1,4-diphenyl-, (E,E)-    | 206 | C16H14  | 000538-81-8 | 30   |
| 4    |    |   | 1,4-Diphenyl-1,3-butadiene              | 206 | C16H14  | 000886-65-7 | 30   |
| 5    |    |   | 2-Phenylnaphthalene                     | 204 | C16H12  | 035465-71-5 | 25   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\  
Data File : BM020303.D  
Acq On : 12 May 2019 17:55  
Operator : JU/SJ  
Sample : K2768-03  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

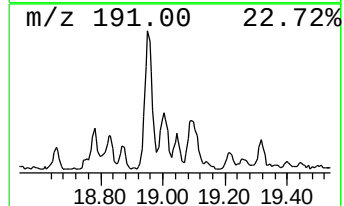
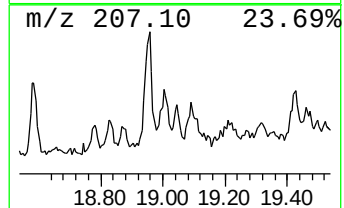
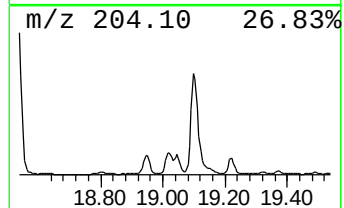
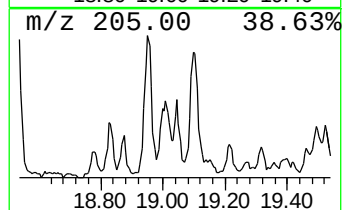
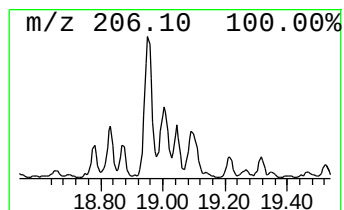
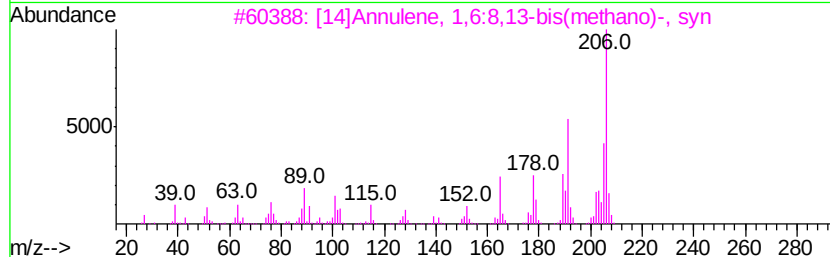
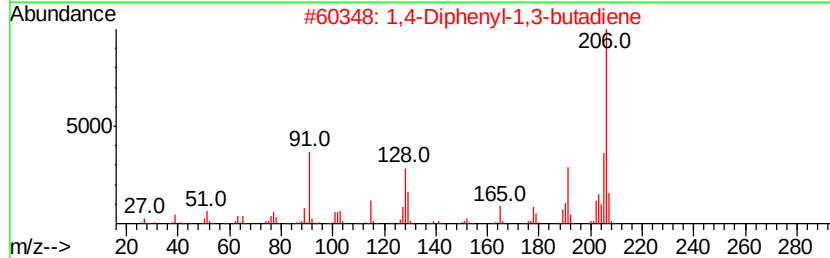
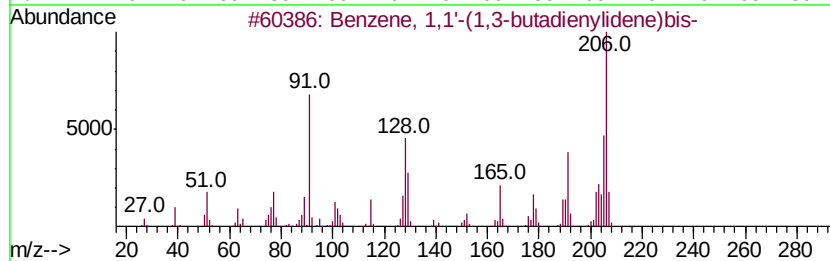
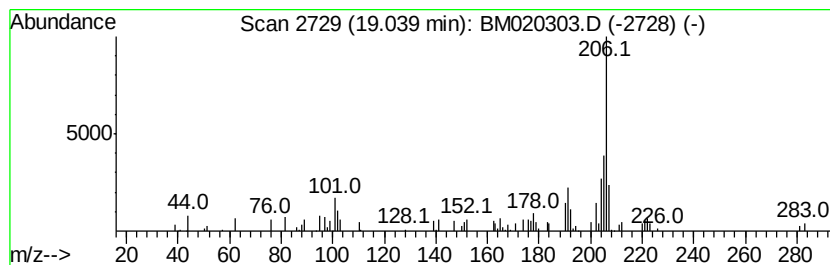
Instrument :  
BNA\_M  
ClientSampleId :  
P026-SS013-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.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 12 Benzene, 1,1'-(1,3-butadien... Concentration Rank 18

| R.T.      | EstConc                                 | Area   | Relative to ISTD | R.T.        |      |
|-----------|-----------------------------------------|--------|------------------|-------------|------|
| 19.04     | 3.70 ng                                 | 137033 | Phenanthrene-d10 | 17.16       |      |
| Hit# of 5 | Tentative ID                            | MW     | MolForm          | CAS#        | Qual |
| 1         | Benzene, 1,1'-(1,3-butadienylidene)bis- | 206    | C16H14           | 004165-81-5 | 64   |
| 2         | 1,4-Diphenyl-1,3-butadiene              | 206    | C16H14           | 000886-65-7 | 62   |
| 3         | [14]Annulene, 1,6:8,13-bis(metha...     | 206    | C16H14           | 085385-68-8 | 62   |
| 4         | 1,3-Butadiene, 1,4-diphenyl-, (E...     | 206    | C16H14           | 000538-81-8 | 62   |
| 5         | 9,10-Dimethylantracene                  | 206    | C16H14           | 000781-43-1 | 60   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\  
Data File : BM020303.D  
Acq On : 12 May 2019 17:55  
Operator : JU/SJ  
Sample : K2768-03  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

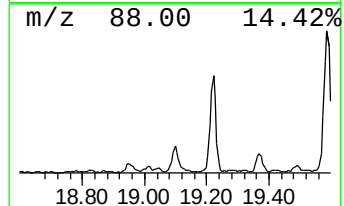
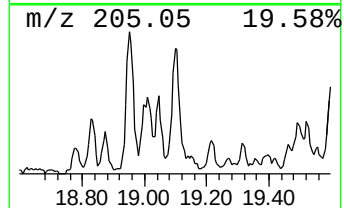
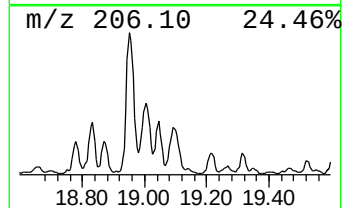
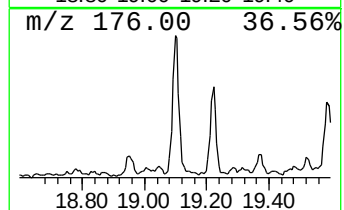
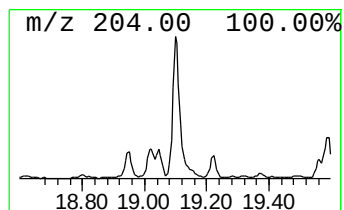
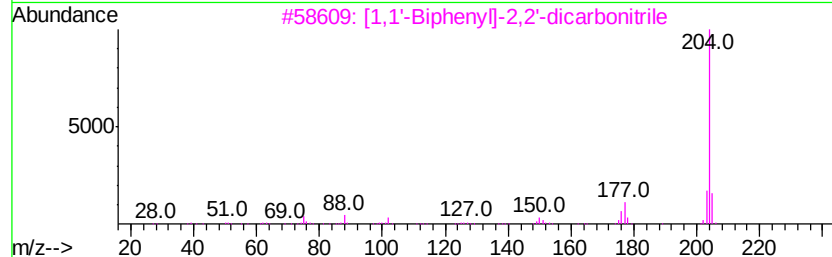
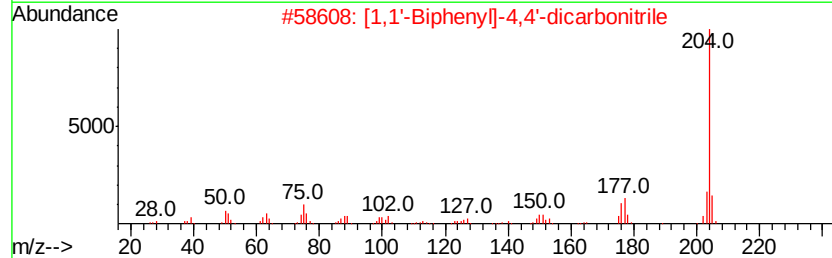
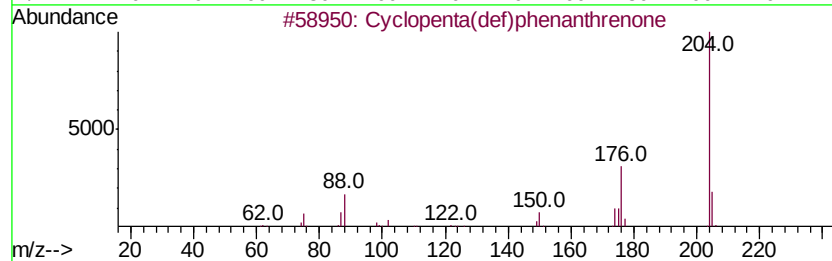
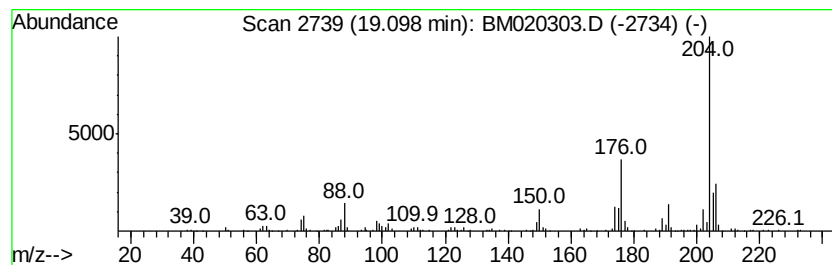
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ClientSampleId :  
P026-SS013-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.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 Cyclopenta(def)phenanthrenone Concentration Rank 7

| R.T.  | EstConc  | Area   | Relative to ISTD                    |     | R.T.     |             |      |
|-------|----------|--------|-------------------------------------|-----|----------|-------------|------|
| 19.10 | 14.83 ng | 548944 | Phenanthrene-d10                    |     | 17.16    |             |      |
| Hit#  | of       | 5      | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
| 1     |          |        | Cyclopenta(def)phenanthrenone       | 204 | C15H8O   | 005737-13-3 | 93   |
| 2     |          |        | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2  | 001591-30-6 | 53   |
| 3     |          |        | [1,1'-Biphenyl]-2,2'-dicarbonitrile | 204 | C14H8N2  | 004341-02-0 | 47   |
| 4     |          |        | 1,2,4,8-Tetramethylbicyclo[6.3.0... | 204 | C15H24   | 137235-51-9 | 46   |
| 5     |          |        | [1,1'-Biphenyl]-4-ol, 3-chloro-     | 204 | C12H9ClO | 000092-04-6 | 43   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\  
Data File : BM020303.D  
Acq On : 12 May 2019 17:55  
Operator : JU/SJ  
Sample : K2768-03  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

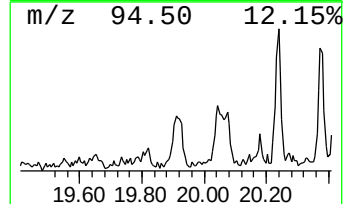
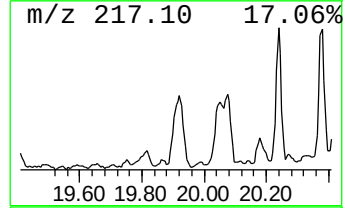
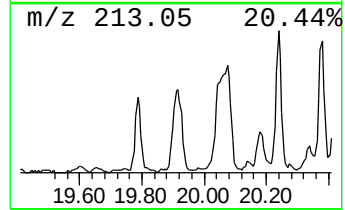
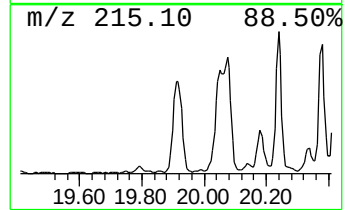
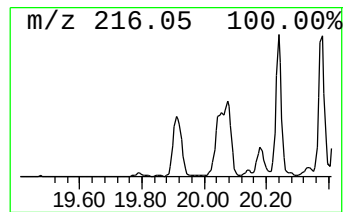
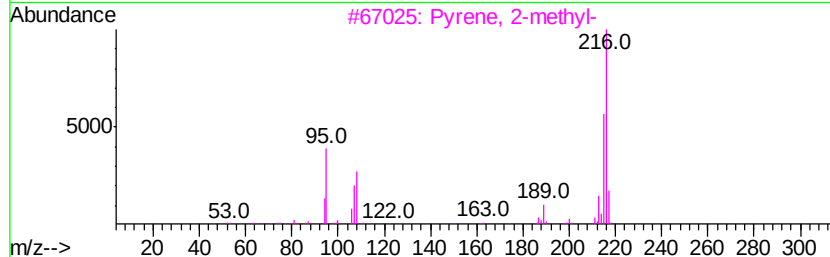
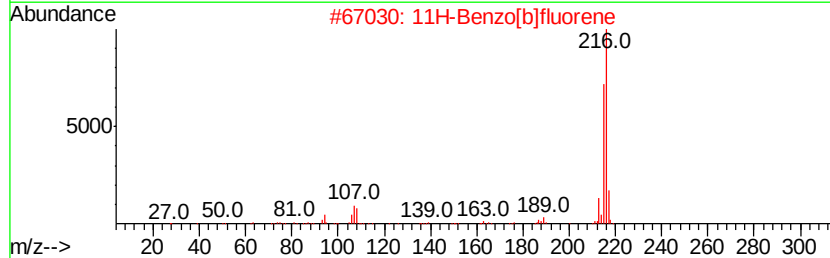
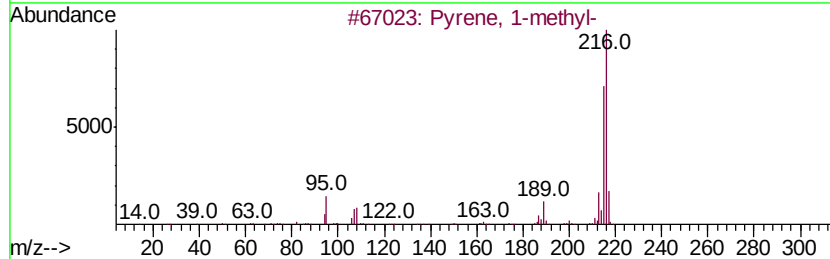
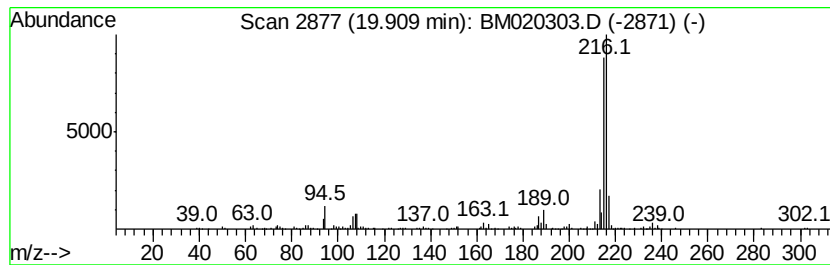
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ClientSampleId :  
P026-SS013-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.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 Pyrene, 1-methyl- Concentration Rank 17

| R.T.      | EstConc                 | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------|--------|------------------|-------------|------|
| 19.91     | 3.91 ng                 | 651950 | Chrysene-d12     | 21.35       |      |
| Hit# of 5 | Tentative ID            | MW     | MolForm          | CAS#        | Qual |
| 1         | Pyrene, 1-methyl-       | 216    | C17H12           | 002381-21-7 | 96   |
| 2         | 11H-Benzo[b]fluorene    | 216    | C17H12           | 000243-17-4 | 94   |
| 3         | Pyrene, 2-methyl-       | 216    | C17H12           | 003442-78-2 | 93   |
| 4         | 11H-Benzo[a]fluorene    | 216    | C17H12           | 000238-84-6 | 93   |
| 5         | Fluoranthene, 2-methyl- | 216    | C17H12           | 033543-31-6 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\  
Data File : BM020303.D  
Acq On : 12 May 2019 17:55  
Operator : JU/SJ  
Sample : K2768-03  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

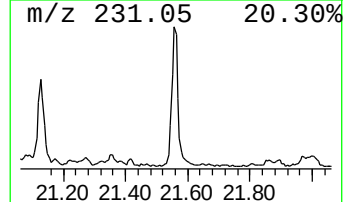
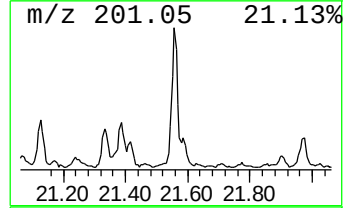
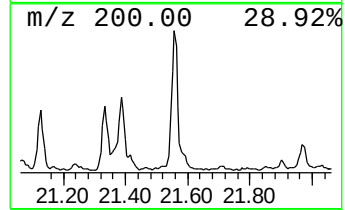
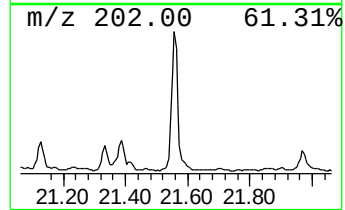
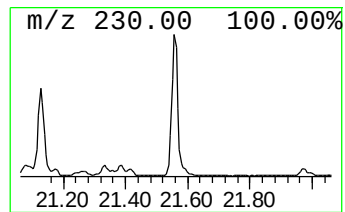
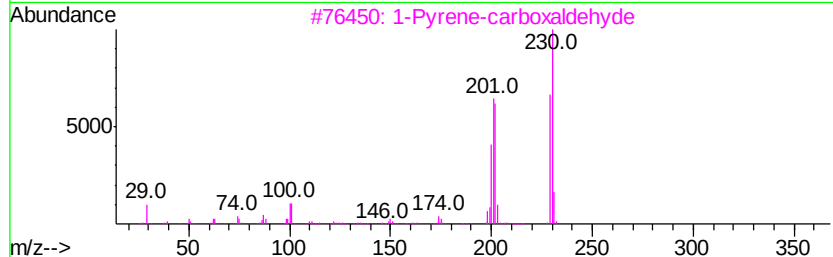
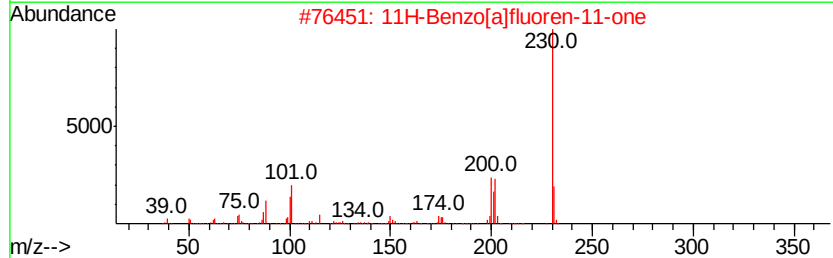
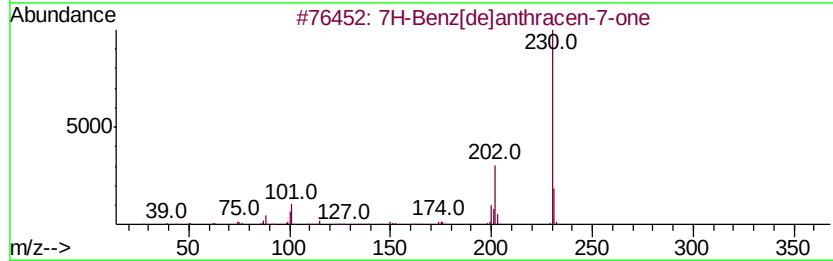
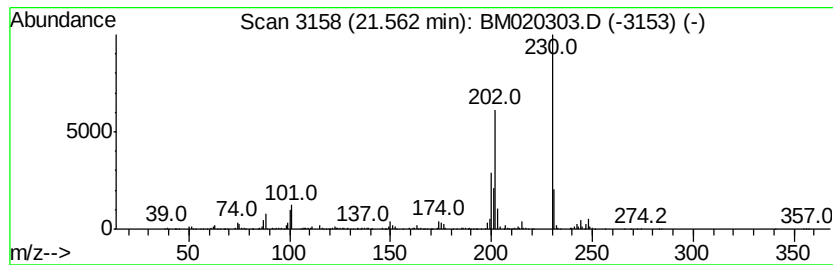
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ClientSampleId :  
P026-SS013-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.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 15 7H-Benz[de]anthracen-7-one Concentration Rank 16

| R.T.      | EstConc                    | Area   | Relative to ISTD | R.T.        |      |
|-----------|----------------------------|--------|------------------|-------------|------|
| 21.56     | 5.51 ng                    | 919694 | Chrysene-d12     | 21.35       |      |
| Hit# of 5 | Tentative ID               | MW     | MolForm          | CAS#        | Qual |
| 1         | 7H-Benz[de]anthracen-7-one | 230    | C17H10O          | 000082-05-3 | 97   |
| 2         | 11H-Benzo[a]fluoren-11-one | 230    | C17H10O          | 000479-79-8 | 96   |
| 3         | 1-Pvrene-carboxaldehve     | 230    | C17H10O          | 003029-19-4 | 89   |
| 4         | Fluoranthene               | 202    | C16H10           | 000206-44-0 | 78   |
| 5         | o-Terphenyl                | 230    | C18H14           | 000084-15-1 | 47   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\  
Data File : BM020303.D  
Acq On : 12 May 2019 17:55  
Operator : JU/SJ  
Sample : K2768-03  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

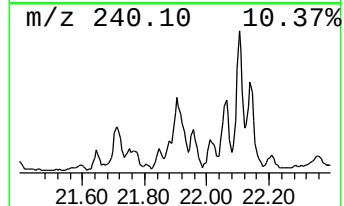
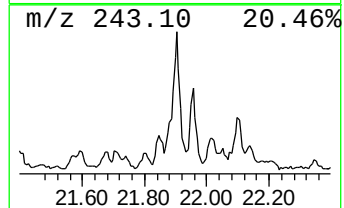
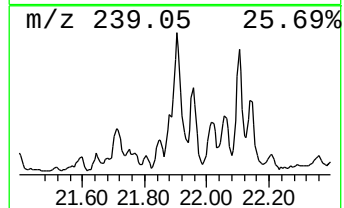
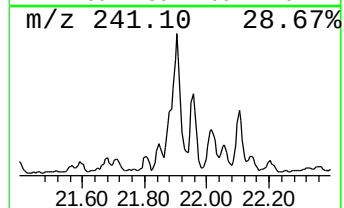
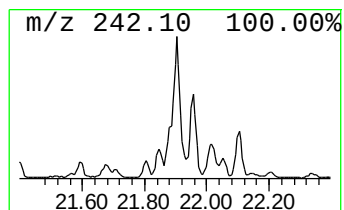
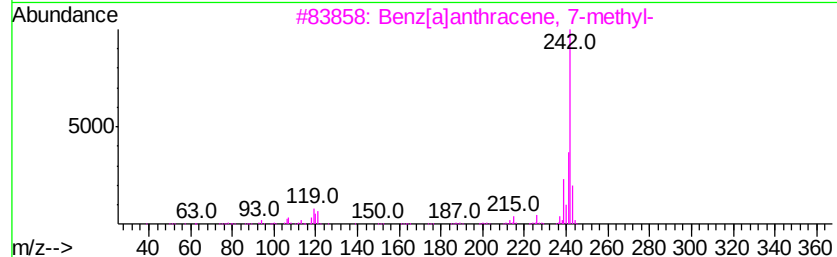
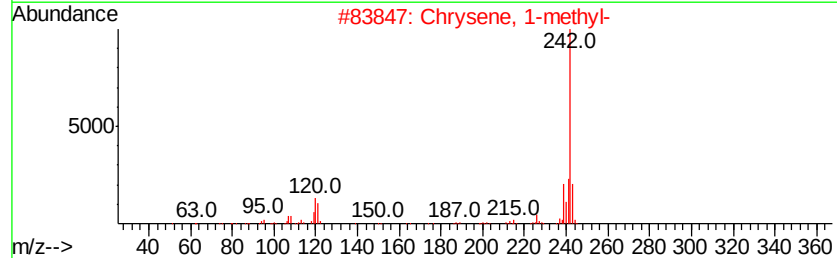
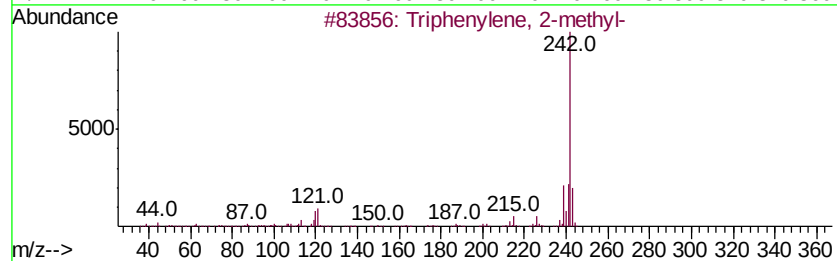
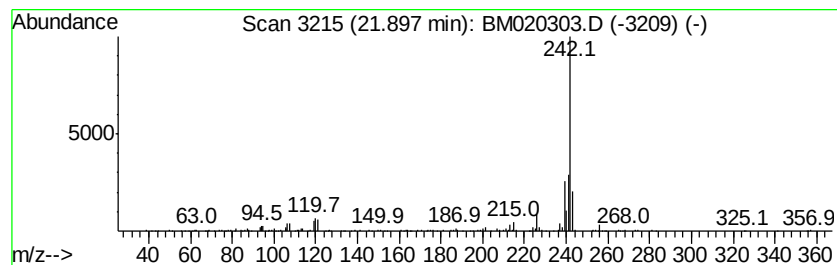
Instrument :  
BNA\_M  
ClientSampleId :  
P026-SS013-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.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 Triphenylene, 2-methyl- Concentration Rank 20

| R.T.      | EstConc                      | Area   | Relative to ISTD |             | R.T.  |
|-----------|------------------------------|--------|------------------|-------------|-------|
| 21.90     | 3.61 ng                      | 602611 | Chrysene-d12     |             | 21.35 |
| Hit# of 5 | Tentative ID                 | MW     | MolForm          | CAS#        | Qual  |
| 1         | Triphenylene, 2-methyl-      | 242    | C19H14           | 001705-84-6 | 91    |
| 2         | Chrysene, 1-methyl-          | 242    | C19H14           | 003351-28-8 | 91    |
| 3         | Benz[a]anthracene, 7-methyl- | 242    | C19H14           | 002541-69-7 | 91    |
| 4         | Chrysene, 2-methyl-          | 242    | C19H14           | 003351-32-4 | 87    |
| 5         | Benz[a]anthracene, 8-methyl- | 242    | C19H14           | 002381-31-9 | 87    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\  
Data File : BM020303.D  
Acq On : 12 May 2019 17:55  
Operator : JU/SJ  
Sample : K2768-03  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

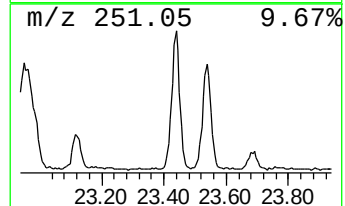
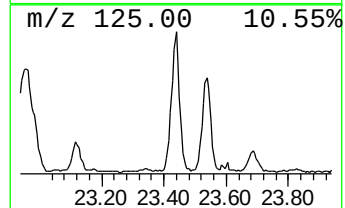
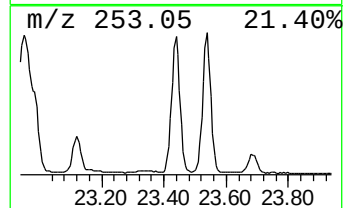
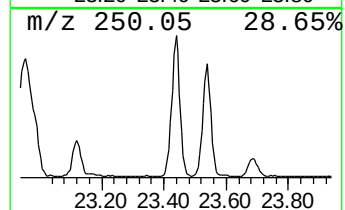
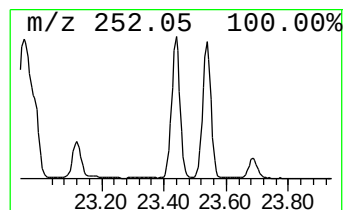
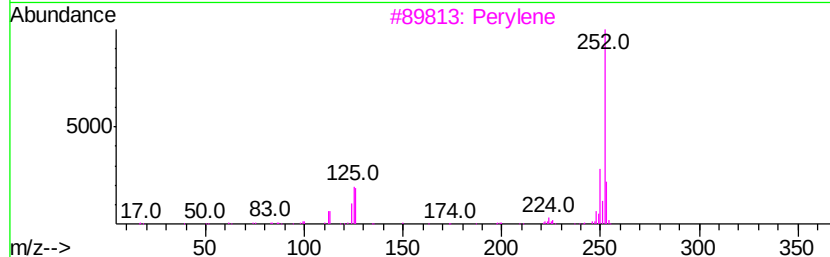
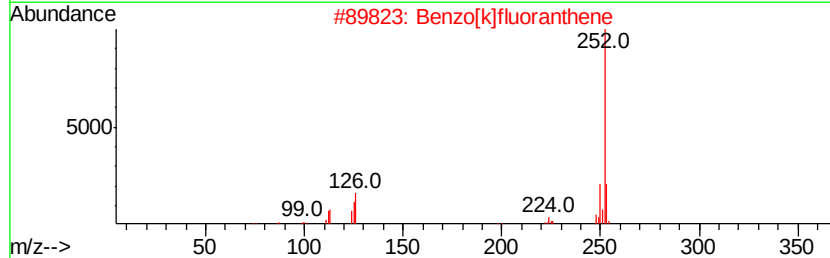
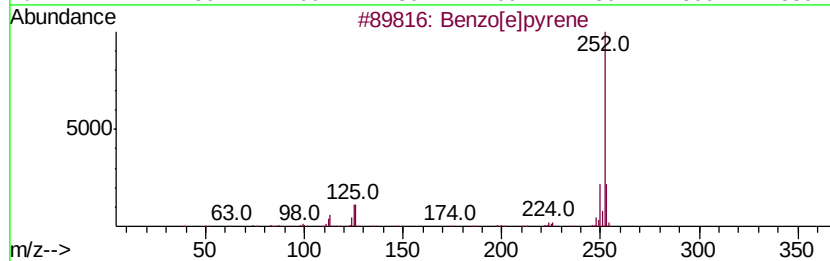
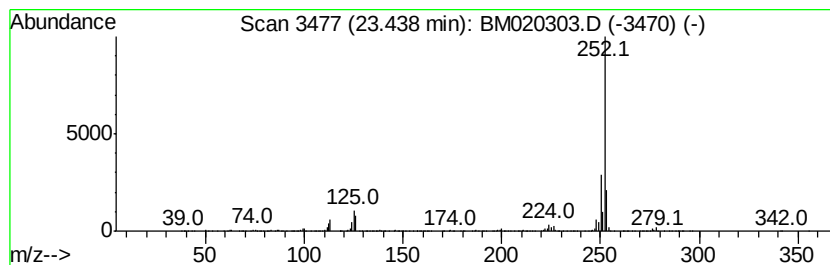
Instrument :  
BNA\_M  
ClientSampleId :  
P026-SS013-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.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 Benzo[e]pyrene Concentration Rank 3

| R.T.      | EstConc                  | Area    | Relative to ISTD | R.T.        |      |
|-----------|--------------------------|---------|------------------|-------------|------|
| 23.44     | 28.48 ng                 | 1669170 | Perylene-d12     | 23.63       |      |
| Hit# of 5 | Tentative ID             | MW      | MolForm          | CAS#        | Qual |
| 1         | Benzo[e]pyrene           | 252     | C20H12           | 000192-97-2 | 98   |
| 2         | Benzo[k]fluoranthene     | 252     | C20H12           | 000207-08-9 | 97   |
| 3         | Perylene                 | 252     | C20H12           | 000198-55-0 | 96   |
| 4         | Benzo[i]fluoranthene     | 252     | C20H12           | 000205-82-3 | 93   |
| 5         | Benz[e]acephenanthrylene | 252     | C20H12           | 000205-99-2 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\  
Data File : BM020303.D  
Acq On : 12 May 2019 17:55  
Operator : JU/SJ  
Sample : K2768-03  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

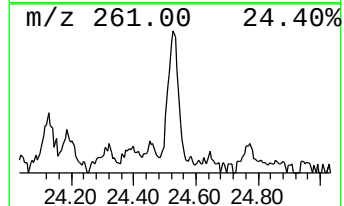
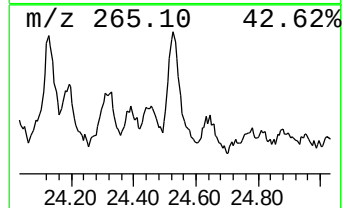
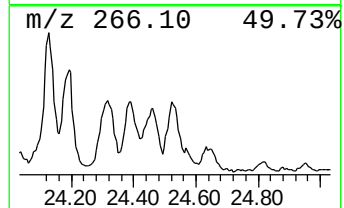
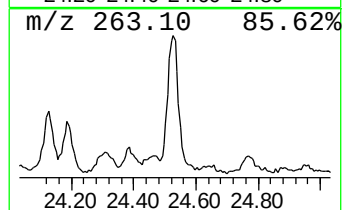
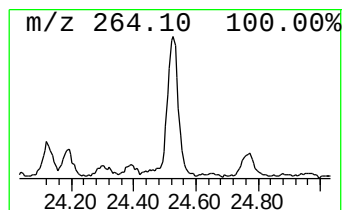
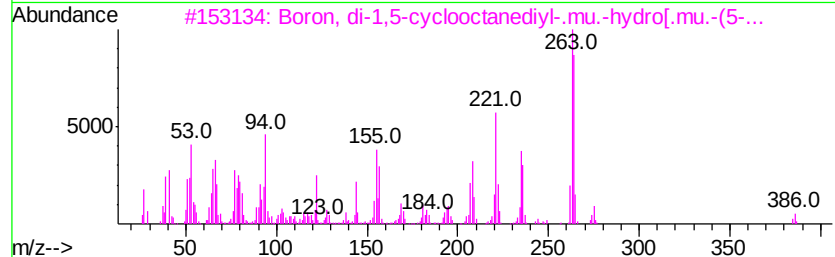
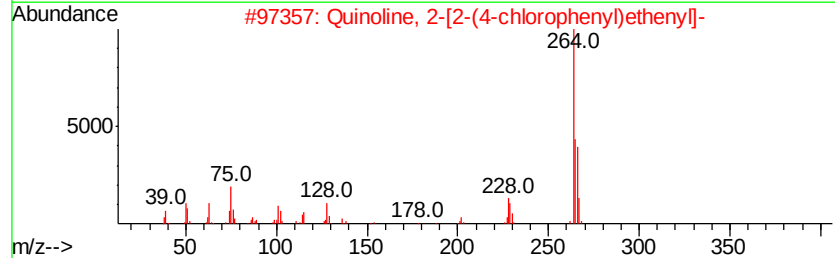
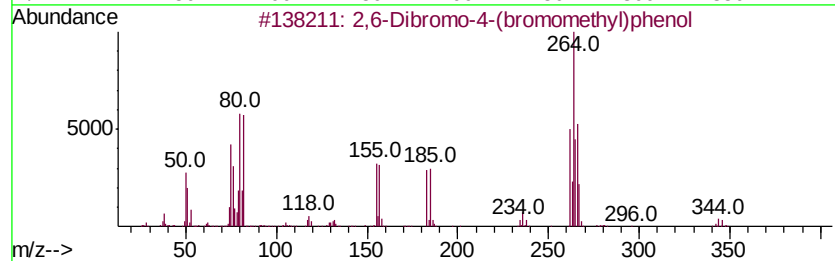
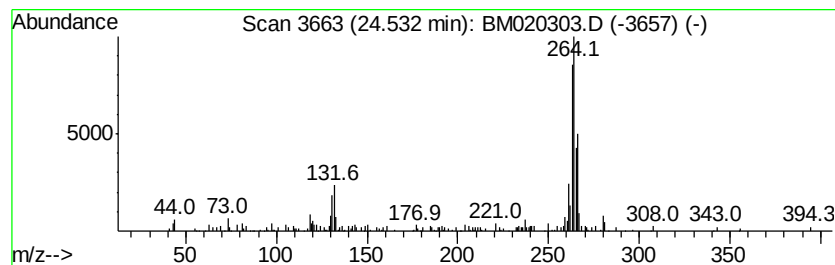
Instrument :  
BNA\_M  
ClientSampleId :  
P026-SS013-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.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 20 unknown24.53 Concentration Rank 15

| R.T.    | EstConc                              | Area           | Relative to ISTD | R.T.      |
|---------|--------------------------------------|----------------|------------------|-----------|
| 24.53   | 5.91 ng                              | 346364         | Perylene-d12     | 23.63     |
| Hit# of | 5                                    | Tentative ID   | MW MolForm       | CAS# Qual |
| 1       | 2,6-Dibromo-4-(bromomethyl)phenol    | 342 C7H5Br3O   | 005532-75-2      | 43        |
| 2       | Quinoline, 2-[2-(4-chlorophenyl)...] | 265 C17H12ClN  | 005392-19-8      | 38        |
| 3       | Boron, di-1,5-cyclooctanedivl-.m...  | 386 C25H36B2N2 | 125878-54-8      | 38        |
| 4       | 9(10H)-Acridone, 4,5-dichloro-       | 263 C13H7Cl2NO | 1000163-26-5     | 27        |
| 5       | Bicyclo[2.2.1]hepta-2,5-diene, 1...  | 296 C7H2Cl6    | 003389-71-7      | 25        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM051219\  
 Data File : BM020303.D  
 Acq On : 12 May 2019 17:55  
 Operator : JU/SJ  
 Sample : K2768-03  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 P026-SS013-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM043019.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 |
| unknown7.29          | 7.29  | 110.8   | ng    | 2023510  | 1                     | 7.76  | 365338  | 20.0 |
| Anthracene, 2-met... | 18.03 | 15.6    | ng    | 575832   | 4                     | 17.16 | 740103  | 20.0 |
| Phenanthrene, 2-m... | 18.08 | 13.4    | ng    | 493976   | 4                     | 17.16 | 740103  | 20.0 |
| Anthracene, 1-met... | 18.22 | 19.4    | ng    | 719491   | 4                     | 17.16 | 740103  | 20.0 |
| Phenanthrene, 1-m... | 18.26 | 9.4     | ng    | 349472   | 4                     | 17.16 | 740103  | 20.0 |
| 2-Phenylanthralene   | 18.54 | 10.7    | ng    | 396194   | 4                     | 17.16 | 740103  | 20.0 |
| 9,10-Anthracenedione | 18.59 | 13.2    | ng    | 488920   | 4                     | 17.16 | 740103  | 20.0 |
| Anthracene, 2-ethyl- | 18.78 | 3.6     | ng    | 135121   | 4                     | 17.16 | 740103  | 20.0 |
| Phenanthrene, 2,5... | 18.95 | 16.1    | ng    | 597535   | 4                     | 17.16 | 740103  | 20.0 |
| unknown19.01         | 19.01 | 6.7     | ng    | 248851   | 4                     | 17.16 | 740103  | 20.0 |
| Benzene, 1,1'-(1,... | 19.04 | 3.7     | ng    | 137033   | 4                     | 17.16 | 740103  | 20.0 |
| Cyclopenta(def)ph... | 19.10 | 14.8    | ng    | 548944   | 4                     | 17.16 | 740103  | 20.0 |
| Pyrene, 1-methyl-    | 19.91 | 3.9     | ng    | 651950   | 5                     | 21.35 | 3337660 | 20.0 |
| 7H-Benz[de]anthra... | 21.56 | 5.5     | ng    | 919694   | 5                     | 21.35 | 3337660 | 20.0 |
| Triphenylene, 2-m... | 21.90 | 3.6     | ng    | 602611   | 5                     | 21.35 | 3337660 | 20.0 |
| Benzo[e]pyrene       | 23.44 | 28.5    | ng    | 1669170  | 6                     | 23.63 | 1172040 | 20.0 |
| unknown24.53         | 24.53 | 5.9     | ng    | 346364   | 6                     | 23.63 | 1172040 | 20.0 |