

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080323\  
 Data File : BM041280.D  
 Acq On : 04 Aug 2023 02:22  
 Operator : MA/JU  
 Sample : 03862-03  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BUILDING-B-17-(0-5)

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM072823.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM041280.D\data.ms

| 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         | 5.369       | 364           | 371         | 377          | rBV      | 2422547        | 3521903       | 9.53%           | 0.613%        |
| 2         | 6.981       | 638           | 645         | 661          | rBV      | 2516556        | 3917844       | 10.60%          | 0.682%        |
| 3         | 8.975       | 976           | 984         | 994          | rBV      | 1540644        | 2564630       | 6.94%           | 0.446%        |
| 4         | 10.657      | 1265          | 1270        | 1281         | rVV      | 2968871        | 4730926       | 12.80%          | 0.823%        |
| 5         | 12.275      | 1535          | 1545        | 1552         | rBV      | 5878420        | 9198988       | 24.88%          | 1.600%        |
| 6         | 12.498      | 1571          | 1583        | 1593         | rVB      | 4996742        | 8005543       | 21.65%          | 1.393%        |
| 7         | 13.081      | 1676          | 1682        | 1688         | rVB      | 4513816        | 6211741       | 16.80%          | 1.081%        |
| 8         | 13.292      | 1711          | 1718        | 1724         | rBV      | 1044684        | 1489456       | 4.03%           | 0.259%        |
| 9         | 13.639      | 1764          | 1777        | 1783         | rBV2     | 2526079        | 6283094       | 16.99%          | 1.093%        |
| 10        | 13.786      | 1793          | 1802        | 1806         | rVV      | 4709074        | 8418365       | 22.77%          | 1.465%        |
| 11        | 13.839      | 1806          | 1811        | 1819         | rVV      | 2850006        | 4517341       | 12.22%          | 0.786%        |
| 12        | 13.916      | 1819          | 1824        | 1831         | rVB      | 1104529        | 1561158       | 4.22%           | 0.272%        |
| 13        | 14.022      | 1836          | 1842        | 1845         | rVV      | 2356200        | 3556524       | 9.62%           | 0.619%        |
| 14        | 14.186      | 1861          | 1870        | 1881         | rBV      | 5822489        | 8884161       | 24.03%          | 1.546%        |
| 15        | 14.439      | 1906          | 1913        | 1915         | rBV      | 1182258        | 1944546       | 5.26%           | 0.338%        |
| 16        | 14.463      | 1915          | 1917        | 1922         | rVB      | 1318590        | 1545936       | 4.18%           | 0.269%        |
| 17        | 14.680      | 1947          | 1954        | 1961         | rBV2     | 783798         | 1594166       | 4.31%           | 0.277%        |
| 18        | 14.863      | 1981          | 1985        | 1993         | rVV      | 2025368        | 3134764       | 8.48%           | 0.545%        |
| 19        | 14.939      | 1993          | 1998        | 2003         | rVV      | 1992977        | 2707382       | 7.32%           | 0.471%        |
| 20        | 15.080      | 2014          | 2022        | 2027         | rBV3     | 1873419        | 3869580       | 10.47%          | 0.673%        |
| 21        | 15.133      | 2027          | 2031        | 2035         | rVV      | 1419554        | 1961779       | 5.31%           | 0.341%        |
| 22        | 15.339      | 2062          | 2066        | 2072         | rVB      | 1509135        | 2028318       | 5.49%           | 0.353%        |
| 23        | 15.463      | 2084          | 2087        | 2091         | rVV      | 1379352        | 1949203       | 5.27%           | 0.339%        |
| 24        | 15.527      | 2091          | 2098        | 2108         | rVB      | 7253100        | 13104645      | 35.44%          | 2.280%        |
| 25        | 15.722      | 2127          | 2131        | 2140         | rVV2     | 1051808        | 2257505       | 6.11%           | 0.393%        |
| 26        | 15.810      | 2140          | 2146        | 2151         | rVV2     | 1313460        | 2681472       | 7.25%           | 0.467%        |
| 27        | 15.933      | 2161          | 2167        | 2169         | rBV      | 2098626        | 2800517       | 7.57%           | 0.487%        |
| 28        | 15.969      | 2169          | 2173        | 2180         | rVB      | 4406220        | 6661878       | 18.02%          | 1.159%        |
| 29        | 16.192      | 2202          | 2211        | 2217         | rBV5     | 957360         | 1790159       | 4.84%           | 0.311%        |
| 30        | 16.527      | 2260          | 2268        | 2273         | rBV      | 3744509        | 7768589       | 21.01%          | 1.352%        |
| 31        | 16.580      | 2273          | 2277        | 2282         | rVB      | 2786412        | 3563552       | 9.64%           | 0.620%        |
| 32        | 16.680      | 2289          | 2294        | 2298         | rBV      | 2436600        | 3444372       | 9.32%           | 0.599%        |
| 33        | 16.886      | 2325          | 2329        | 2336         | rVV2     | 1489209        | 2222045       | 6.01%           | 0.387%        |
| 34        | 16.963      | 2337          | 2342        | 2347         | rVV3     | 760511         | 1434683       | 3.88%           | 0.250%        |
| 35        | 17.051      | 2347          | 2357        | 2364         | rVB      | 5487803        | 9009643       | 24.37%          | 1.568%        |
| 36        | 17.227      | 2382          | 2387        | 2390         | rBV      | 1191261        | 1975270       | 5.34%           | 0.344%        |

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 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BUILDING-B-17-(0-5)

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM072823.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |          |          |         |        |
|----|--------|------|------|------|------|----------|----------|---------|--------|
| 37 | 17.292 | 2390 | 2398 | 2402 | rVB  | 19123754 | 36972862 | 100.00% | 6.433% |
| 38 | 17.368 | 2406 | 2411 | 2415 | rBV  | 8065583  | 10815810 | 29.25%  | 1.882% |
| 39 | 17.421 | 2415 | 2420 | 2424 | rVB2 | 1192035  | 2281227  | 6.17%   | 0.397% |
| 40 | 17.645 | 2453 | 2458 | 2465 | rVV2 | 970257   | 2119285  | 5.73%   | 0.369% |
| 41 | 17.815 | 2482 | 2487 | 2495 | rVB  | 4601747  | 6655905  | 18.00%  | 1.158% |
| 42 | 17.957 | 2505 | 2511 | 2518 | rVB  | 3170225  | 6109702  | 16.52%  | 1.063% |
| 43 | 18.115 | 2528 | 2538 | 2543 | rBV  | 9399262  | 16175263 | 43.75%  | 2.814% |
| 44 | 18.168 | 2543 | 2547 | 2552 | rVB  | 10558243 | 14244573 | 38.53%  | 2.478% |
| 45 | 18.245 | 2555 | 2560 | 2565 | rBV  | 4231356  | 5905087  | 15.97%  | 1.027% |
| 46 | 18.310 | 2565 | 2571 | 2575 | rBV2 | 10930857 | 20517281 | 55.49%  | 3.570% |
| 47 | 18.351 | 2575 | 2578 | 2585 | rVB  | 7428992  | 9164970  | 24.79%  | 1.595% |
| 48 | 18.510 | 2600 | 2605 | 2610 | rVB  | 1664694  | 2173269  | 5.88%   | 0.378% |
| 49 | 18.610 | 2617 | 2622 | 2626 | rBV2 | 3386005  | 4860509  | 13.15%  | 0.846% |
| 50 | 18.668 | 2629 | 2632 | 2640 | rVB2 | 2392707  | 3477739  | 9.41%   | 0.605% |
| 51 | 18.780 | 2645 | 2651 | 2656 | rBV2 | 1005956  | 2358102  | 6.38%   | 0.410% |
| 52 | 18.833 | 2656 | 2660 | 2662 | rBV  | 1340660  | 2022145  | 5.47%   | 0.352% |
| 53 | 18.910 | 2669 | 2673 | 2676 | rBV  | 2317720  | 2618928  | 7.08%   | 0.456% |
| 54 | 18.951 | 2676 | 2680 | 2684 | rVB4 | 2097027  | 3002016  | 8.12%   | 0.522% |
| 55 | 19.033 | 2688 | 2694 | 2699 | rBV  | 6525854  | 11302610 | 30.57%  | 1.966% |
| 56 | 19.098 | 2699 | 2705 | 2708 | rVV2 | 3351740  | 6359527  | 17.20%  | 1.106% |
| 57 | 19.127 | 2708 | 2710 | 2714 | rVB  | 2283564  | 2330583  | 6.30%   | 0.405% |
| 58 | 19.192 | 2714 | 2721 | 2726 | rBV3 | 2224534  | 6041781  | 16.34%  | 1.051% |
| 59 | 19.315 | 2734 | 2742 | 2746 | rBV  | 15506169 | 26301538 | 71.14%  | 4.576% |
| 60 | 19.362 | 2746 | 2750 | 2753 | rVV  | 1624213  | 2366970  | 6.40%   | 0.412% |
| 61 | 19.404 | 2753 | 2757 | 2761 | rVV3 | 1622625  | 2628649  | 7.11%   | 0.457% |
| 62 | 19.457 | 2761 | 2766 | 2770 | rVV  | 4076045  | 5444300  | 14.73%  | 0.947% |
| 63 | 19.545 | 2776 | 2781 | 2784 | rVV  | 2922491  | 4157504  | 11.24%  | 0.723% |
| 64 | 19.680 | 2792 | 2804 | 2810 | rVB  | 17061518 | 33191148 | 89.77%  | 5.775% |
| 65 | 19.739 | 2810 | 2814 | 2819 | rVB  | 1784598  | 2592301  | 7.01%   | 0.451% |
| 66 | 19.862 | 2831 | 2835 | 2839 | rVV  | 5304131  | 7167840  | 19.39%  | 1.247% |
| 67 | 19.898 | 2839 | 2841 | 2848 | rVB3 | 1212572  | 1792107  | 4.85%   | 0.312% |
| 68 | 19.998 | 2851 | 2858 | 2865 | rBV3 | 2606121  | 6334289  | 17.13%  | 1.102% |
| 69 | 20.080 | 2867 | 2872 | 2875 | rBV3 | 1062568  | 1482293  | 4.01%   | 0.258% |
| 70 | 20.127 | 2875 | 2880 | 2883 | rBV2 | 2398357  | 4719430  | 12.76%  | 0.821% |
| 71 | 20.162 | 2883 | 2886 | 2891 | rVB  | 6123540  | 8594624  | 23.25%  | 1.495% |
| 72 | 20.262 | 2899 | 2903 | 2908 | rVB  | 4039446  | 5045947  | 13.65%  | 0.878% |
| 73 | 20.321 | 2908 | 2913 | 2917 | rBV  | 3769286  | 4935328  | 13.35%  | 0.859% |
| 74 | 20.415 | 2924 | 2929 | 2933 | rBV3 | 842798   | 1510049  | 4.08%   | 0.263% |
| 75 | 20.462 | 2933 | 2937 | 2941 | rVV  | 3543381  | 4655609  | 12.59%  | 0.810% |
| 76 | 20.509 | 2941 | 2945 | 2951 | rVB  | 3866738  | 5130289  | 13.88%  | 0.893% |

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 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
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 BUILDING-B-17-(0-5)

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM072823.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |          |        |        |
|-----|--------|------|------|------|------|---------|----------|--------|--------|
| 77  | 20.751 | 2983 | 2986 | 2989 | rVV2 | 1152038 | 1813702  | 4.91%  | 0.316% |
| 78  | 20.786 | 2989 | 2992 | 2996 | rVV  | 1168791 | 1749108  | 4.73%  | 0.304% |
| 79  | 20.868 | 3002 | 3006 | 3011 | rVV2 | 1138949 | 2719091  | 7.35%  | 0.473% |
| 80  | 20.915 | 3011 | 3014 | 3020 | rVV3 | 1466192 | 2634536  | 7.13%  | 0.458% |
| 81  | 21.080 | 3038 | 3042 | 3045 | rVV  | 3144126 | 4387598  | 11.87% | 0.763% |
| 82  | 21.115 | 3045 | 3048 | 3052 | rVV2 | 2422697 | 3701760  | 10.01% | 0.644% |
| 83  | 21.156 | 3052 | 3055 | 3059 | rVV2 | 1824120 | 2445417  | 6.61%  | 0.425% |
| 84  | 21.315 | 3075 | 3082 | 3091 | rBV  | 1151313 | 3100352  | 8.39%  | 0.539% |
| 85  | 21.421 | 3095 | 3100 | 3106 | rVV4 | 9787627 | 18541480 | 50.15% | 3.226% |
| 86  | 21.474 | 3106 | 3109 | 3118 | rVB  | 8206148 | 11157549 | 30.18% | 1.941% |
| 87  | 21.551 | 3119 | 3122 | 3127 | rVV3 | 1003286 | 1439042  | 3.89%  | 0.250% |
| 88  | 21.656 | 3136 | 3140 | 3147 | rVB3 | 1703289 | 2931621  | 7.93%  | 0.510% |
| 89  | 22.009 | 3192 | 3200 | 3205 | rVV  | 2980377 | 5995466  | 16.22% | 1.043% |
| 90  | 22.062 | 3205 | 3209 | 3213 | rVB  | 1443609 | 1923353  | 5.20%  | 0.335% |
| 91  | 22.215 | 3231 | 3235 | 3238 | rVV  | 1612531 | 2372659  | 6.42%  | 0.413% |
| 92  | 22.250 | 3238 | 3241 | 3246 | rVB2 | 1365201 | 1963100  | 5.31%  | 0.342% |
| 93  | 22.321 | 3249 | 3253 | 3257 | rVB  | 1012797 | 1538665  | 4.16%  | 0.268% |
| 94  | 23.103 | 3379 | 3386 | 3391 | rBV  | 4427801 | 10885867 | 29.44% | 1.894% |
| 95  | 23.274 | 3411 | 3415 | 3421 | rVB  | 1533947 | 2575507  | 6.97%  | 0.448% |
| 96  | 23.609 | 3466 | 3472 | 3480 | rVB  | 3149893 | 5904605  | 15.97% | 1.027% |
| 97  | 23.721 | 3484 | 3491 | 3497 | rVB2 | 5517584 | 10437203 | 28.23% | 1.816% |
| 98  | 23.868 | 3512 | 3516 | 3524 | rVB2 | 1604179 | 3309068  | 8.95%  | 0.576% |
| 99  | 26.286 | 3918 | 3927 | 3938 | rVB  | 2329654 | 7026125  | 19.00% | 1.222% |
| 100 | 27.056 | 4049 | 4058 | 4075 | rVB  | 1948768 | 6342285  | 17.15% | 1.103% |

Sum of corrected areas: 574766226



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ALS Vial : 25 Sample Multiplier: 1

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BNA\_M  
ClientSampleId :  
BUILDING-B-17-(0-5)

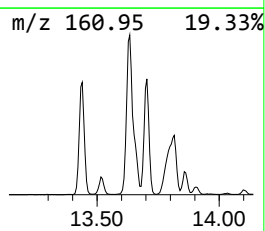
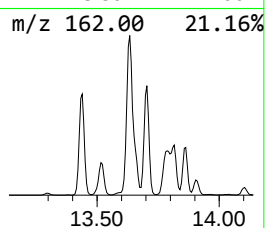
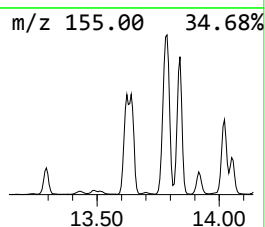
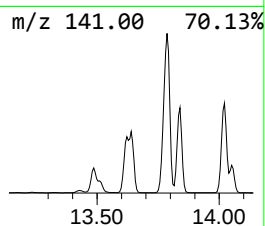
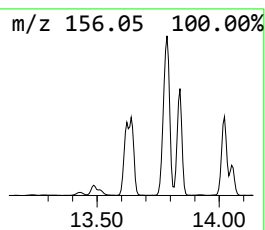
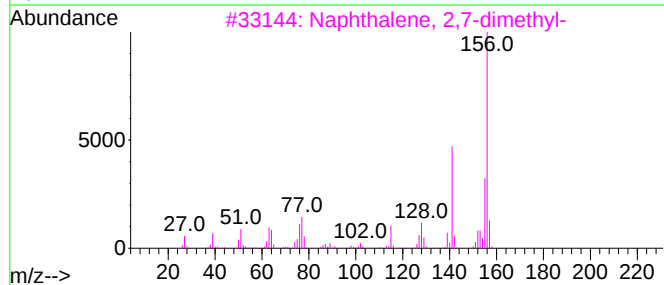
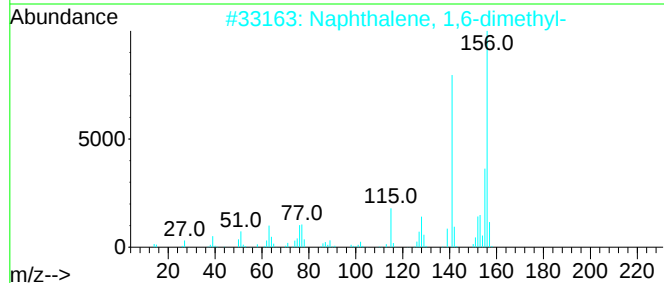
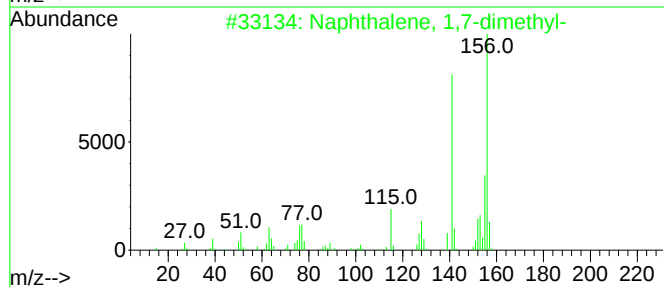
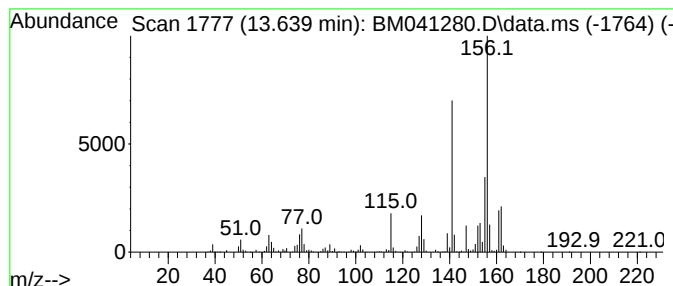
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM072823.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 Naphthalene, 1,7-dimethyl- Concentration Rank 8

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 13.639 | 81.29 ng | 6283090 | Acenaphthene-d10 | 14.463 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 96   |
| 2    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 96   |
| 3    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 96   |
| 4    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 96   |
| 5    |    |   | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 96   |



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Instrument :  
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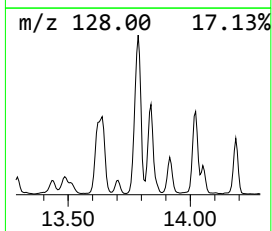
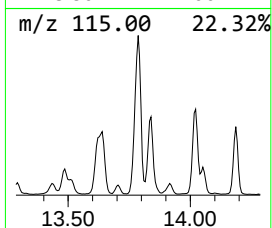
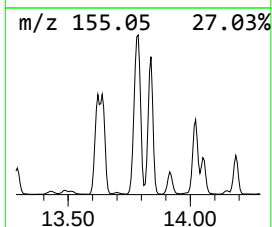
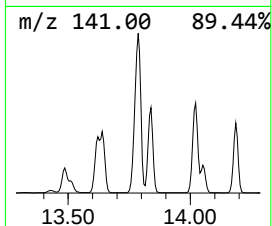
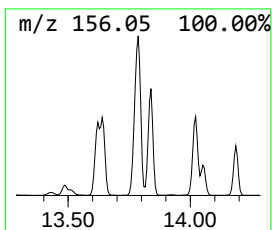
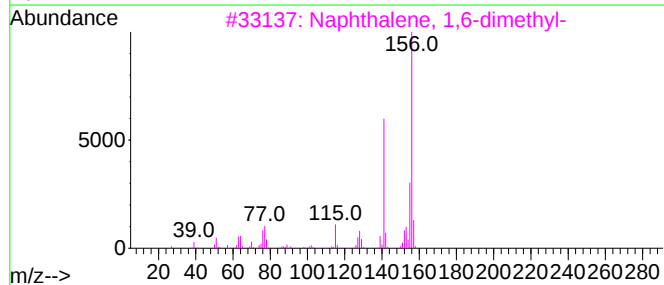
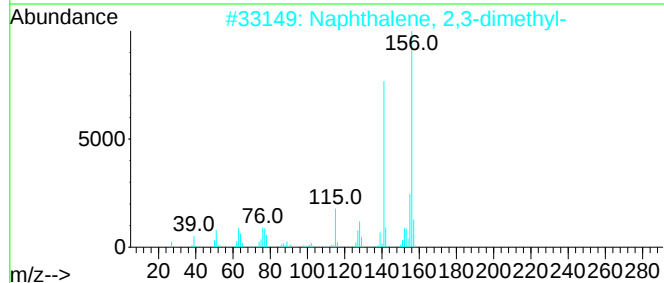
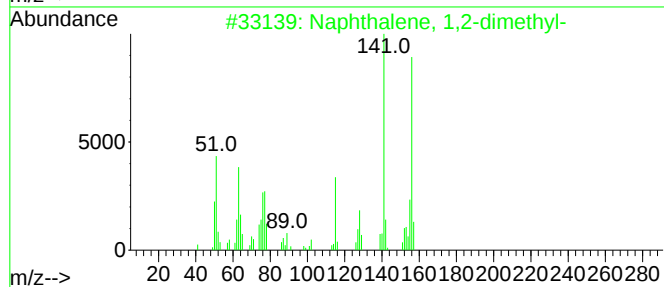
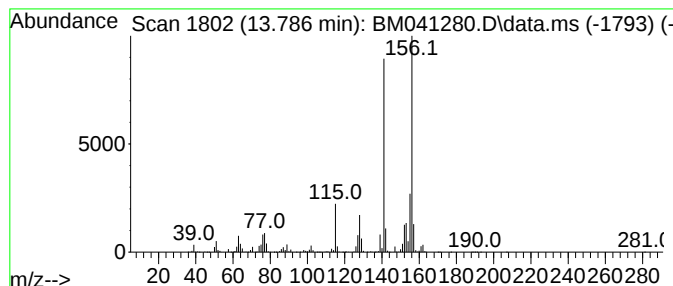
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM072823.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Naphthalene, 1,2-dimethyl- Concentration Rank 5

| R.T.   | EstConc   | Area    | Relative to ISTD | R.T.   |
|--------|-----------|---------|------------------|--------|
| 13.786 | 108.91 ng | 8418370 | Acenaphthene-d10 | 14.463 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,2-dimethyl- | 156 | C12H12  | 000573-98-8 | 97   |
| 2    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 3    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 97   |
| 4    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 97   |
| 5    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 97   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080323\  
Data File : BM041280.D  
Acq On : 04 Aug 2023 02:22  
Operator : MA/JU  
Sample : 03862-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

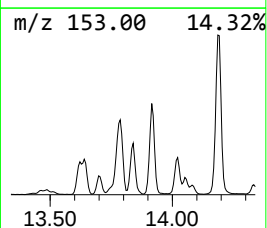
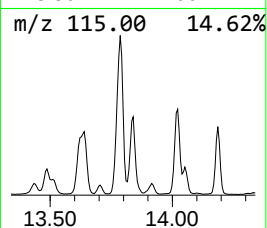
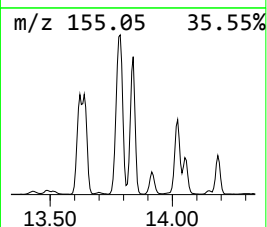
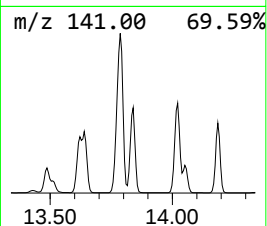
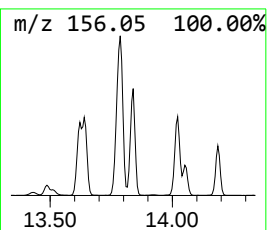
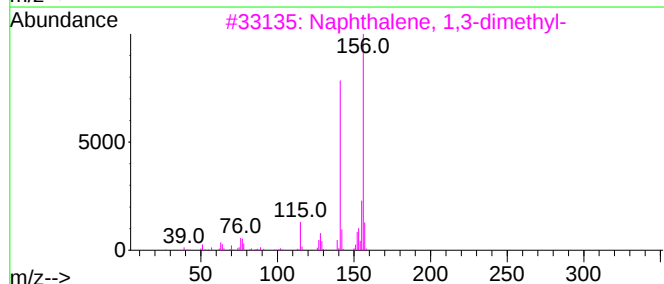
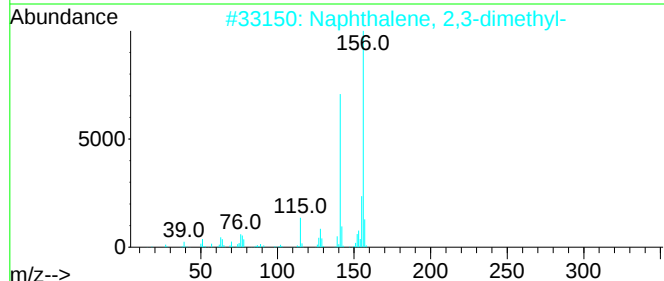
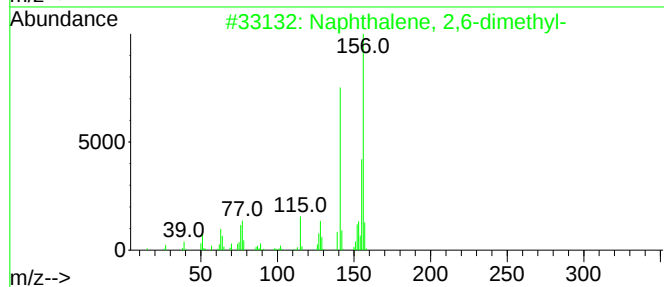
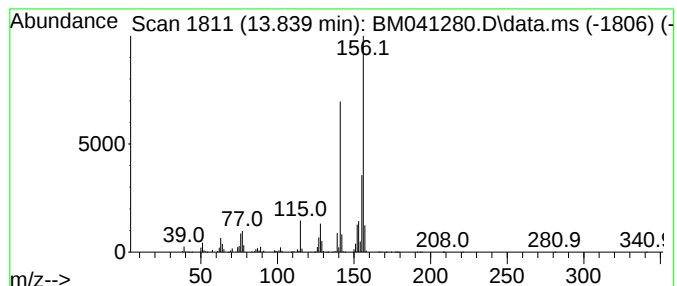
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ClientSampleId :  
BUILDING-B-17-(0-5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Naphthalene, 2,6-dimethyl- Concentration Rank 15

| R.T.      | EstConc                    | Area    | Relative to ISTD |         | R.T.        |      |
|-----------|----------------------------|---------|------------------|---------|-------------|------|
| 13.839    | 58.44 ng                   | 4517340 | Acenaphthene-d10 |         | 14.463      |      |
| Hit# of 5 | Tentative ID               |         | MW               | MolForm | CAS#        | Qual |
| 1         | Naphthalene, 2,6-dimethyl- |         | 156              | C12H12  | 000581-42-0 | 98   |
| 2         | Naphthalene, 2,3-dimethyl- |         | 156              | C12H12  | 000581-40-8 | 97   |
| 3         | Naphthalene, 1,3-dimethyl- |         | 156              | C12H12  | 000575-41-7 | 97   |
| 4         | Naphthalene, 1,2-dimethyl- |         | 156              | C12H12  | 000573-98-8 | 96   |
| 5         | Naphthalene, 2,7-dimethyl- |         | 156              | C12H12  | 000582-16-1 | 96   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080323\  
Data File : BM041280.D  
Acq On : 04 Aug 2023 02:22  
Operator : MA/JU  
Sample : 03862-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BUILDING-B-17-(0-5)

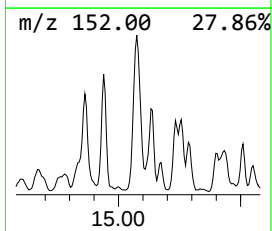
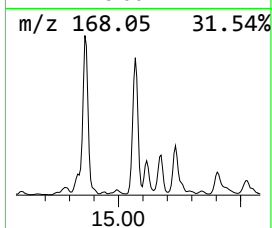
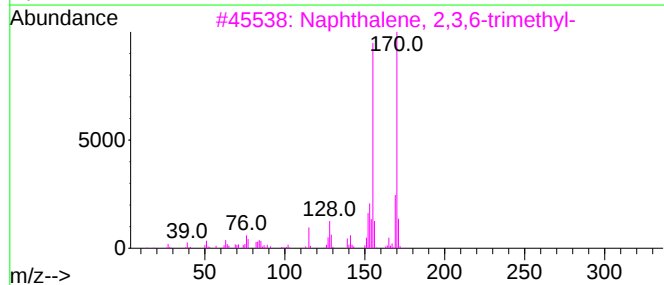
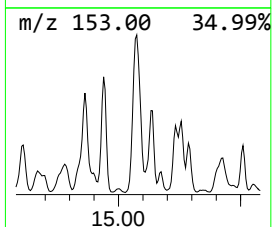
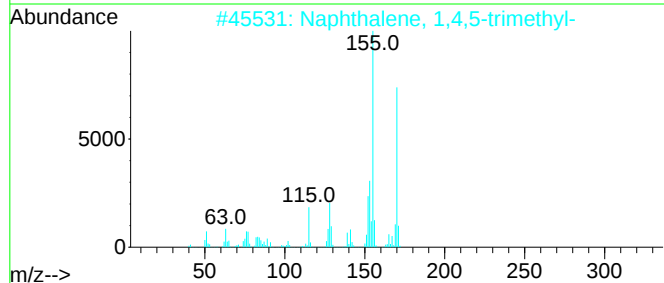
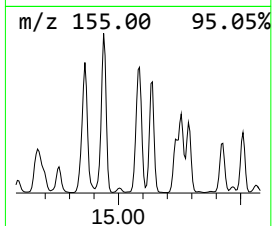
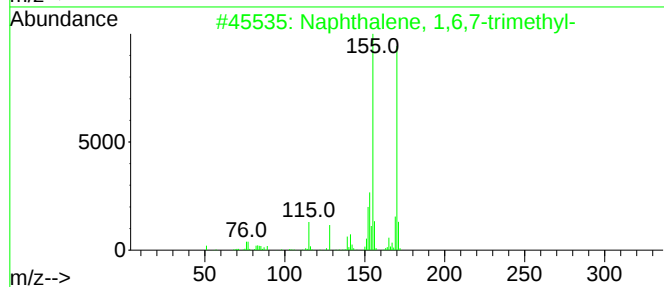
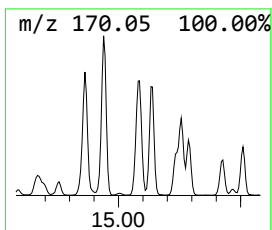
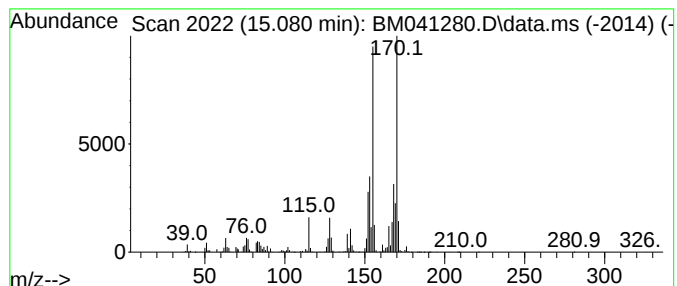
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 Naphthalene, 1,6,7-trimethyl- Concentration Rank 16

| R.T.      | EstConc                       | Area    | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------|---------|------------------|-------------|------|
| 15.080    | 50.06 ng                      | 3869580 | Acenaphthene-d10 | 14.463      |      |
| Hit# of 5 | Tentative ID                  | MW      | MolForm          | CAS#        | Qual |
| 1         | Naphthalene, 1,6,7-trimethyl- | 170     | C13H14           | 002245-38-7 | 96   |
| 2         | Naphthalene, 1,4,5-trimethyl- | 170     | C13H14           | 002131-41-1 | 95   |
| 3         | Naphthalene, 2,3,6-trimethyl- | 170     | C13H14           | 000829-26-5 | 95   |
| 4         | Naphthalene, 1,4,6-trimethyl- | 170     | C13H14           | 002131-42-2 | 94   |
| 5         | 4,6,8-Trimethylazulene        | 170     | C13H14           | 000941-81-1 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080323\  
Data File : BM041280.D  
Acq On : 04 Aug 2023 02:22  
Operator : MA/JU  
Sample : 03862-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BUILDING-B-17-(0-5)

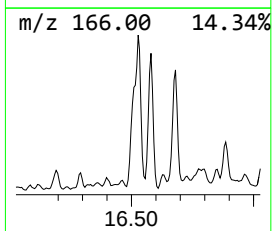
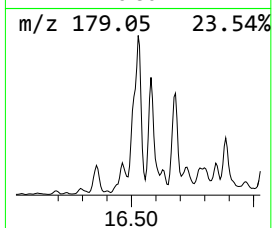
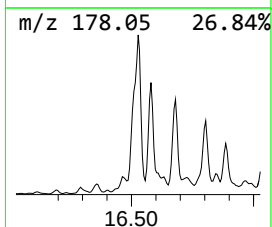
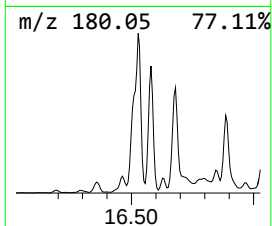
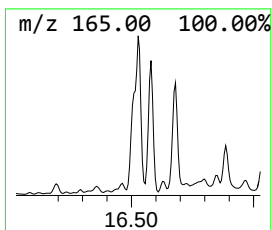
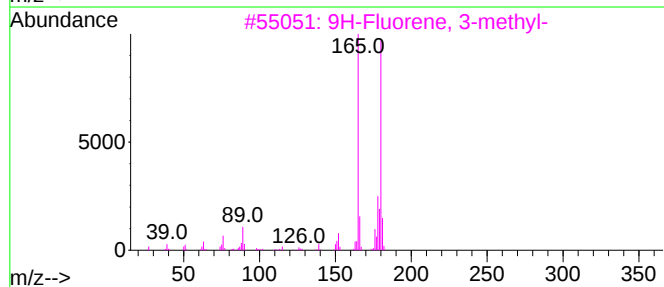
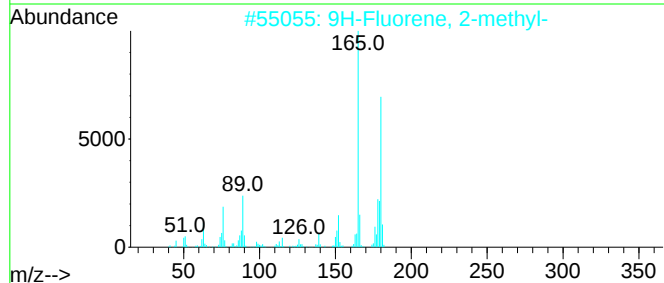
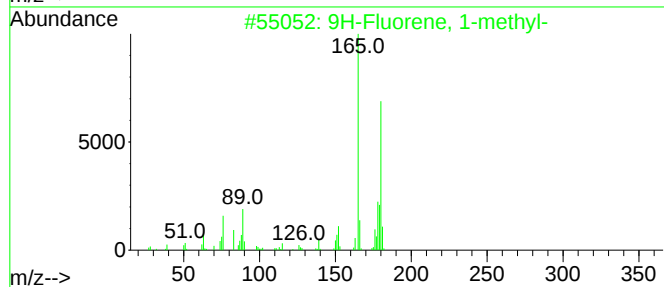
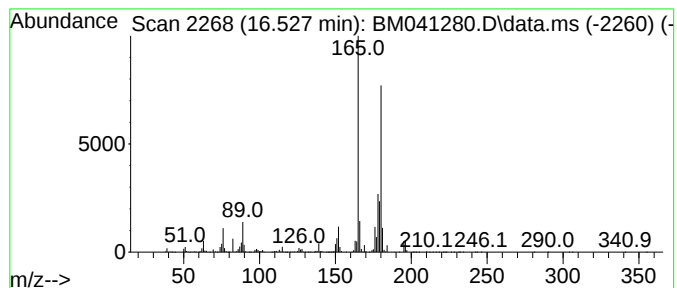
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 9H-Fluorene, 1-methyl- Concentration Rank 9

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 16.527 | 78.66 ng | 7768590 | Phenanthrene-d10 | 17.227 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | 9H-Fluorene, 1-methyl-    | 180 | C14H12  | 001730-37-6 | 97   |
| 2    |    |   | 9H-Fluorene, 2-methyl-    | 180 | C14H12  | 001430-97-3 | 96   |
| 3    |    |   | 9H-Fluorene, 3-methyl-    | 180 | C14H12  | 002523-39-9 | 94   |
| 4    |    |   | 9H-Fluorene, 9-methyl-    | 180 | C14H12  | 002523-37-7 | 94   |
| 5    |    |   | 4a,9a-Methano-9H-fluorene | 180 | C14H12  | 019540-84-2 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080323\  
Data File : BM041280.D  
Acq On : 04 Aug 2023 02:22  
Operator : MA/JU  
Sample : 03862-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BUILDING-B-17-(0-5)

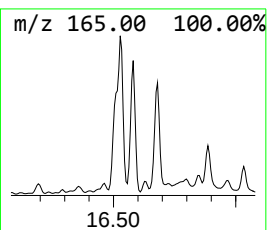
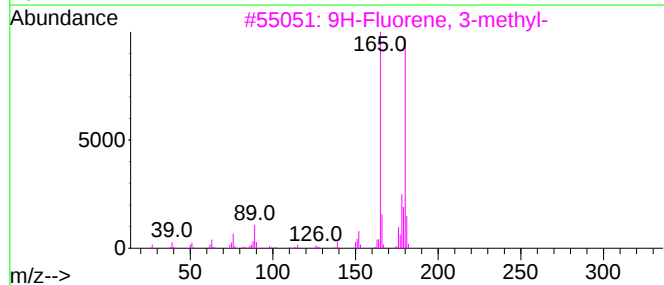
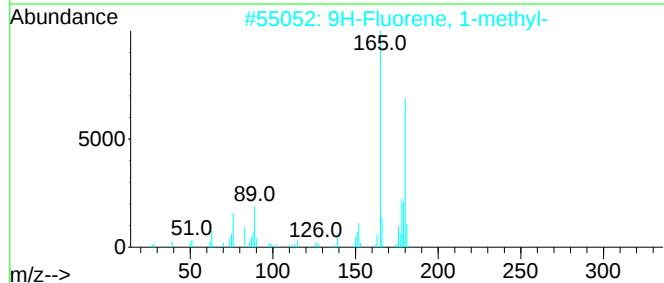
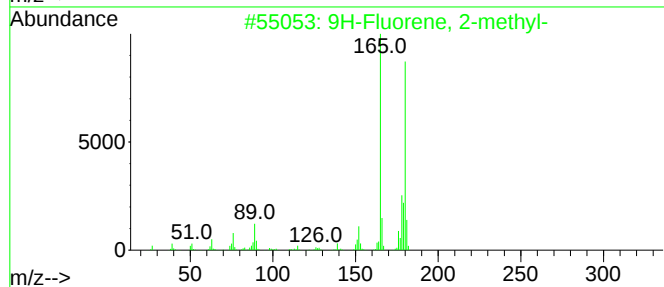
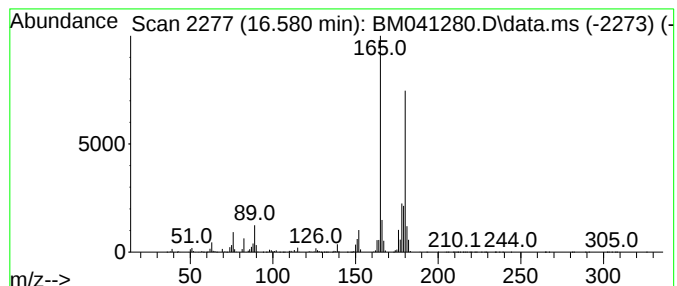
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 19

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 16.580 | 36.08 ng | 3563550 | Phenanthrene-d10 | 17.227 |

| Hit# | of 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|------|-----------------------------|-----|---------|-------------|------|
| 1    |      | 9H-Fluorene, 2-methyl-      | 180 | C14H12  | 001430-97-3 | 97   |
| 2    |      | 9H-Fluorene, 1-methyl-      | 180 | C14H12  | 001730-37-6 | 96   |
| 3    |      | 9H-Fluorene, 3-methyl-      | 180 | C14H12  | 002523-39-9 | 96   |
| 4    |      | 9H-Fluorene, 9-methyl-      | 180 | C14H12  | 002523-37-7 | 93   |
| 5    |      | Phenanthrene, 9,10-dihydro- | 180 | C14H12  | 000776-35-2 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080323\  
Data File : BM041280.D  
Acq On : 04 Aug 2023 02:22  
Operator : MA/JU  
Sample : 03862-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BUILDING-B-17-(0-5)

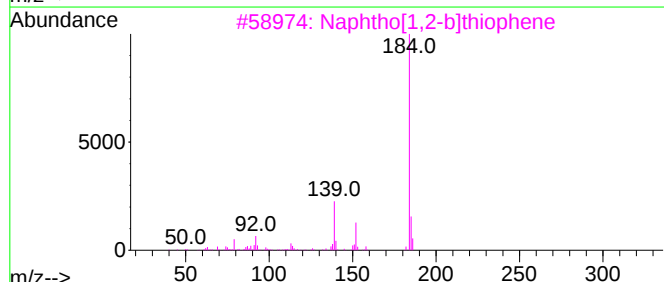
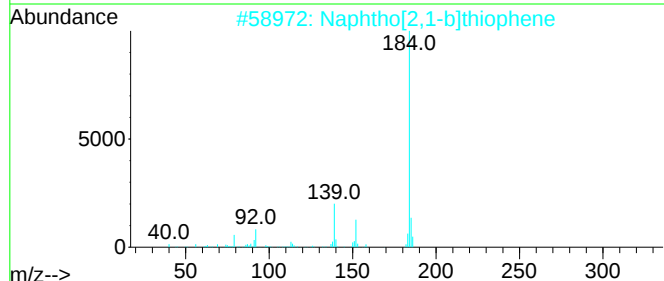
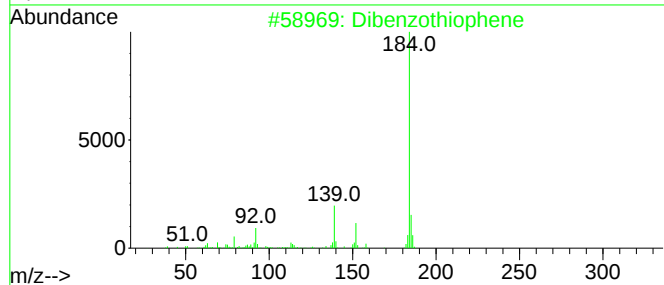
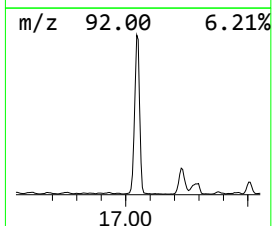
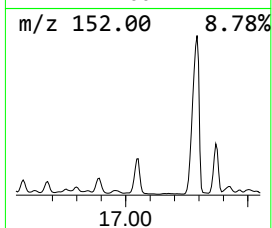
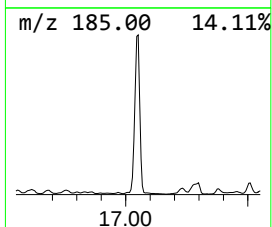
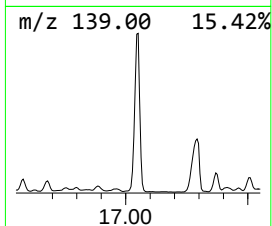
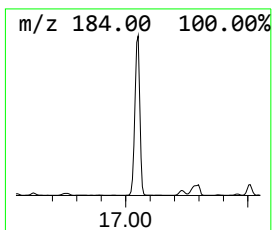
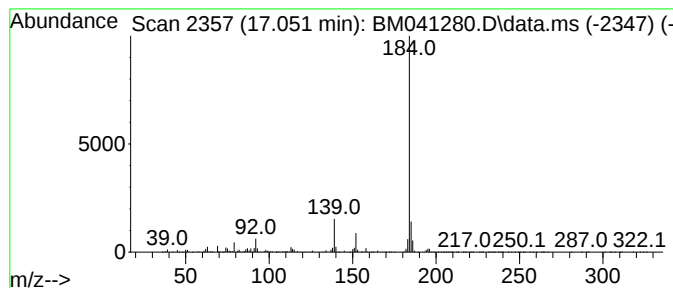
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 Dibenzothiophene Concentration Rank 7

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 17.051 | 91.22 ng | 9009640 | Phenanthrene-d10 | 17.227 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Dibenzothiophene        | 184 | C12H8S  | 000132-65-0 | 97   |
| 2    |    |   | Naphtho[2,1-b]thiophene | 184 | C12H8S  | 000233-02-3 | 95   |
| 3    |    |   | Naphtho[1,2-b]thiophene | 184 | C12H8S  | 000234-41-3 | 94   |
| 4    |    |   | Naphtho[2,3-b]thiophene | 184 | C12H8S  | 000268-77-9 | 94   |
| 5    |    |   | Azuleno(2,1-b)thiophene | 184 | C12H8S  | 000248-13-5 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080323\  
Data File : BM041280.D  
Acq On : 04 Aug 2023 02:22  
Operator : MA/JU  
Sample : 03862-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BUILDING-B-17-(0-5)

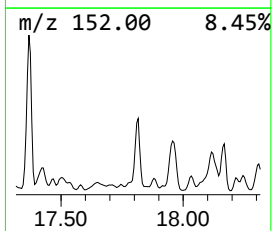
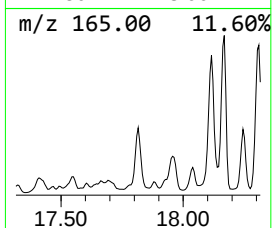
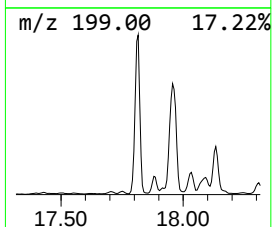
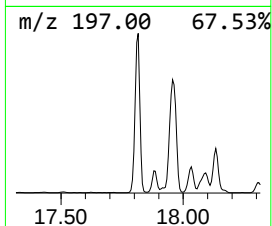
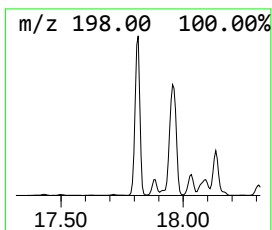
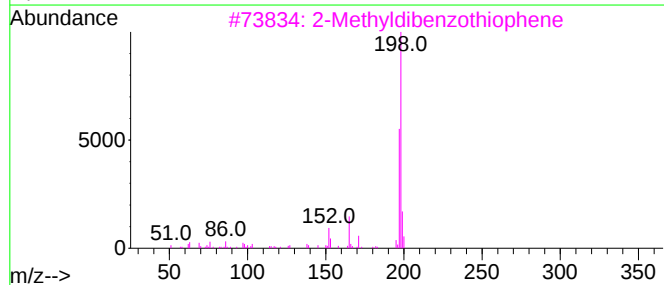
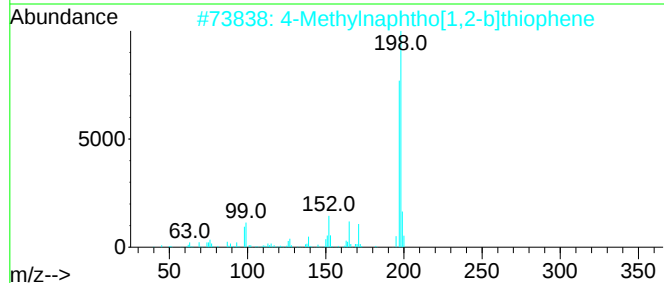
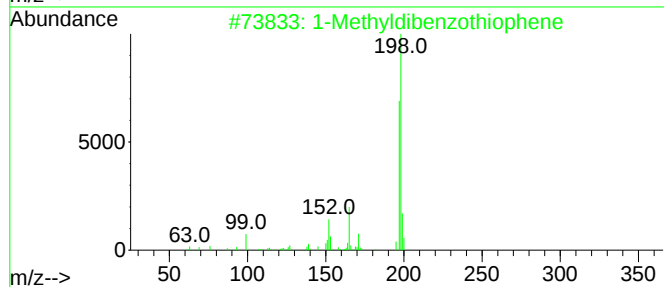
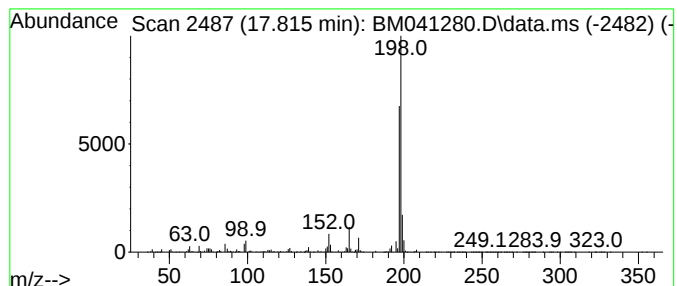
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 1-Methyldibenzothiophene Concentration Rank 10

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 17.816 | 67.39 ng | 6655910 | Phenanthrene-d10 | 17.227 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm | CAS#         | Qual |
|------|----|---|---------------------------------|-----|---------|--------------|------|
| 1    |    |   | 1-Methyldibenzothiophene        | 198 | C13H10S | 031317-07-4  | 97   |
| 2    |    |   | 4-Methylnaphtho[1,2-b]thiophene | 198 | C13H10S | 067388-11-8  | 96   |
| 3    |    |   | 2-Methyldibenzothiophene        | 198 | C13H10S | 1000383-55-1 | 95   |
| 4    |    |   | Dibenzothiophene, 4-methyl-     | 198 | C13H10S | 007372-88-5  | 94   |
| 5    |    |   | Dibenzothiophene, 3-methyl-     | 198 | C13H10S | 016587-52-3  | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080323\  
Data File : BM041280.D  
Acq On : 04 Aug 2023 02:22  
Operator : MA/JU  
Sample : 03862-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BUILDING-B-17-(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM072823.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

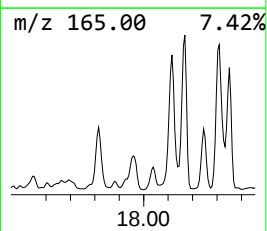
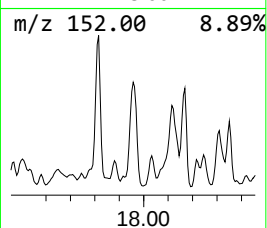
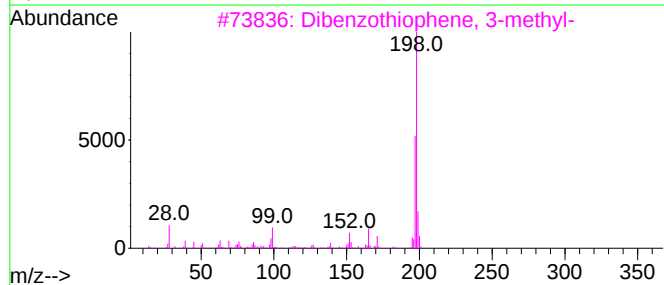
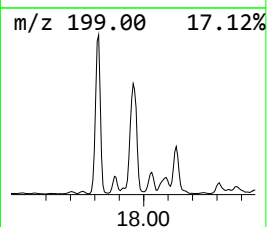
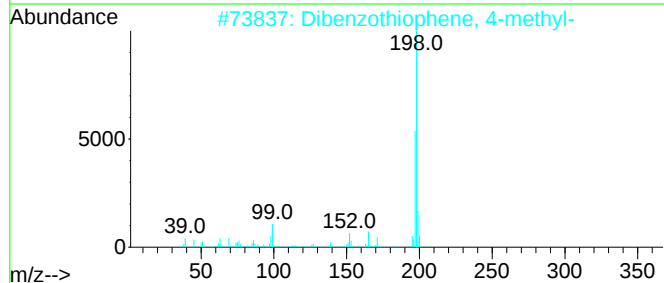
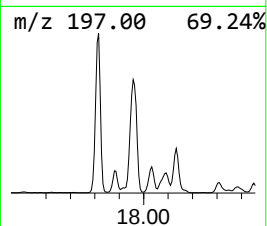
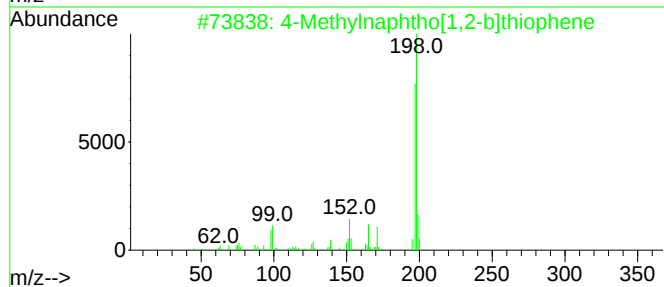
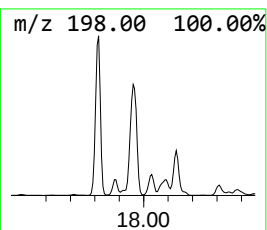
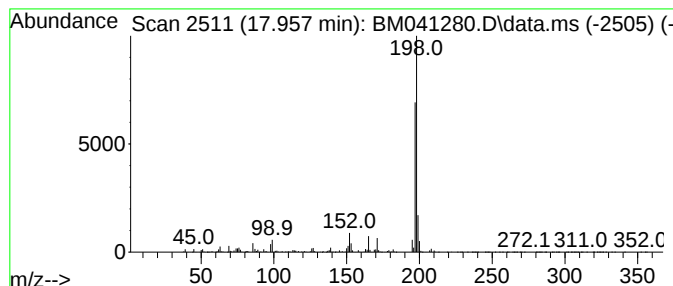
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TIC Integration Parameters: LSCINT.P

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Peak Number 10 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 12

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 17.957 | 61.86 ng | 6109700 | Phenanthrene-d10 | 17.227 |

| Hit# | of 5 | Tentative ID                    | MW  | MolForm | CAS#         | Qual |
|------|------|---------------------------------|-----|---------|--------------|------|
| 1    |      | 4-Methylnaphtho[1,2-b]thiophene | 198 | C13H10S | 067388-11-8  | 96   |
| 2    |      | Dibenzothiophene, 4-methyl-     | 198 | C13H10S | 007372-88-5  | 94   |
| 3    |      | Dibenzothiophene, 3-methyl-     | 198 | C13H10S | 016587-52-3  | 94   |
| 4    |      | 1-Methyldibenzothiophene        | 198 | C13H10S | 031317-07-4  | 90   |
| 5    |      | 2-Methyldibenzothiophene        | 198 | C13H10S | 1000383-55-1 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080323\  
Data File : BM041280.D  
Acq On : 04 Aug 2023 02:22  
Operator : MA/JU  
Sample : 03862-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BUILDING-B-17-(0-5)

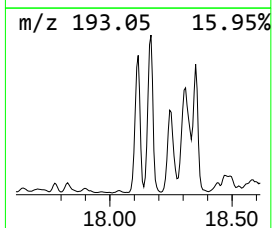
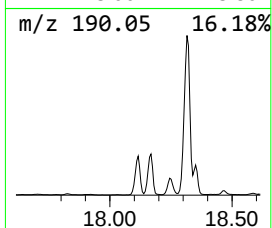
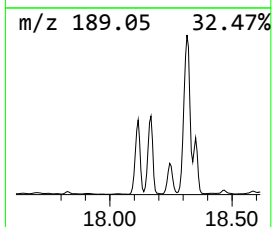
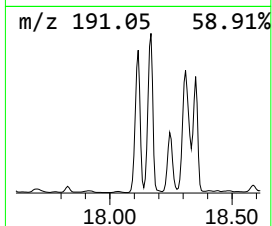
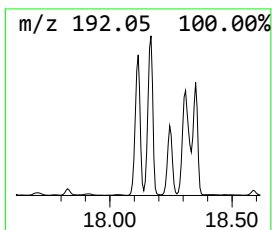
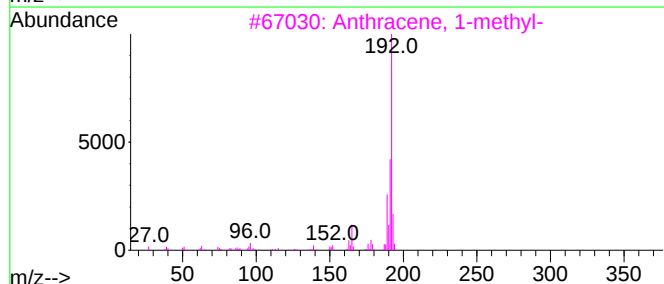
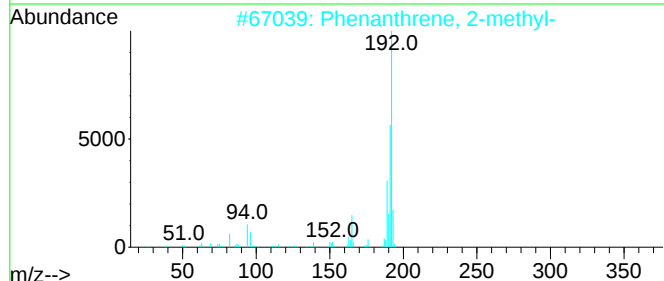
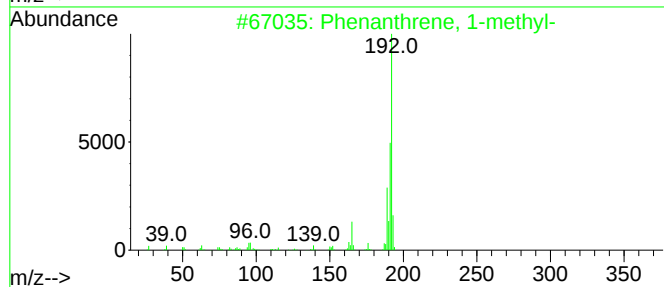
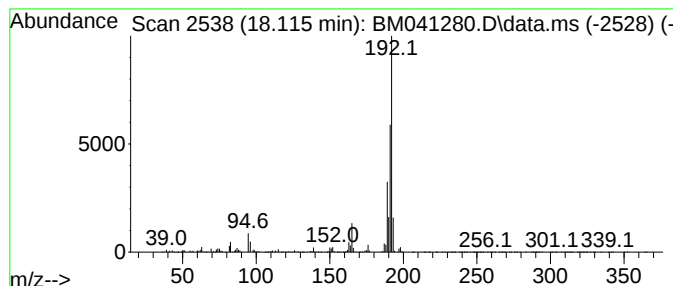
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 2

| R.T.   | EstConc   | Area     | Relative to ISTD | R.T.   |
|--------|-----------|----------|------------------|--------|
| 18.116 | 163.78 ng | 16175300 | Phenanthrene-d10 | 17.227 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 93   |
| 2    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 93   |
| 3    |    |   | Anthracene, 1-methyl-               | 192 | C15H12  | 000610-48-0 | 93   |
| 4    |    |   | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 93   |
| 5    |    |   | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080323\  
Data File : BM041280.D  
Acq On : 04 Aug 2023 02:22  
Operator : MA/JU  
Sample : 03862-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BUILDING-B-17-(0-5)

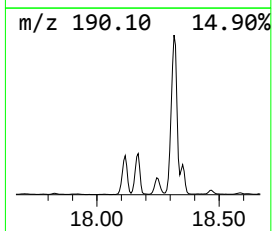
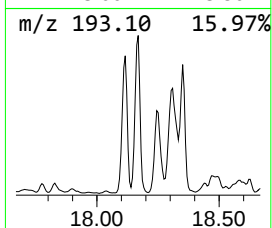
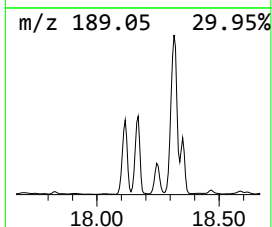
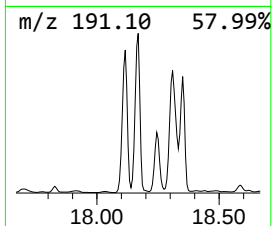
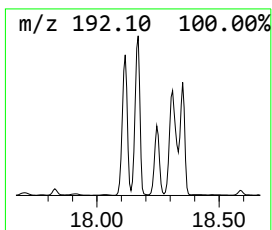
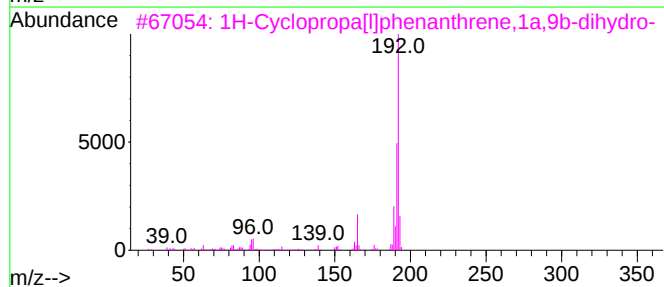
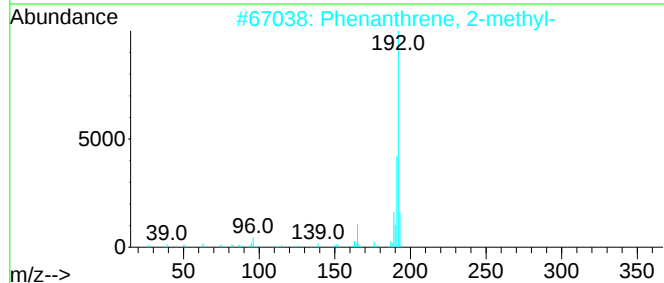
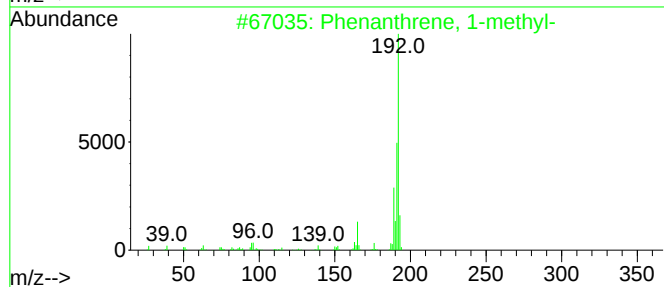
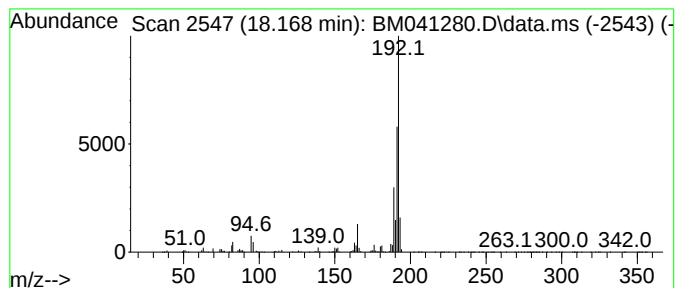
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 3

| R.T.   | EstConc   | Area     | Relative to ISTD | R.T.   |
|--------|-----------|----------|------------------|--------|
| 18.168 | 144.23 ng | 14244600 | Phenanthrene-d10 | 17.227 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 97   |
| 2    |      | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 97   |
| 3    |      | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 96   |
| 4    |      | Phenanthrene, 4-methyl-             | 192 | C15H12  | 000832-64-4 | 95   |
| 5    |      | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 95   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080323\  
Data File : BM041280.D  
Acq On : 04 Aug 2023 02:22  
Operator : MA/JU  
Sample : 03862-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BUILDING-B-17-(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM072823.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

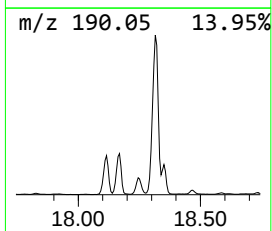
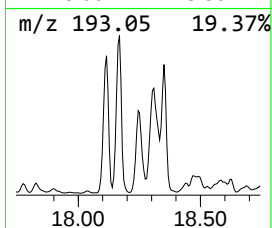
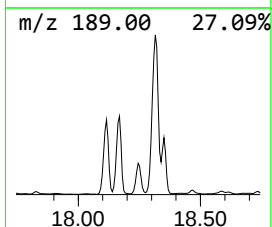
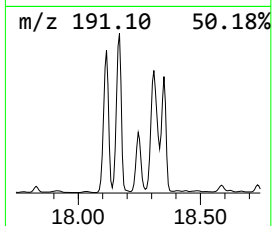
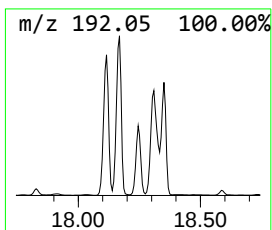
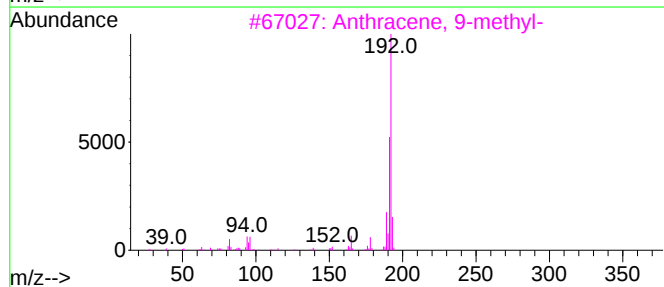
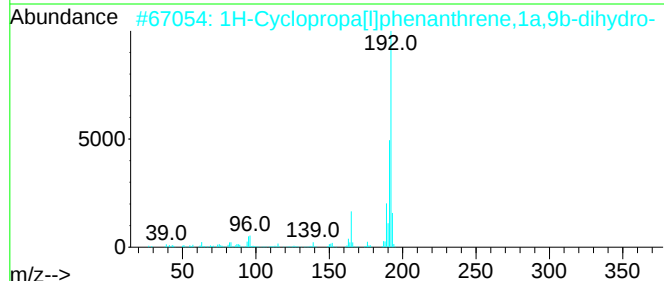
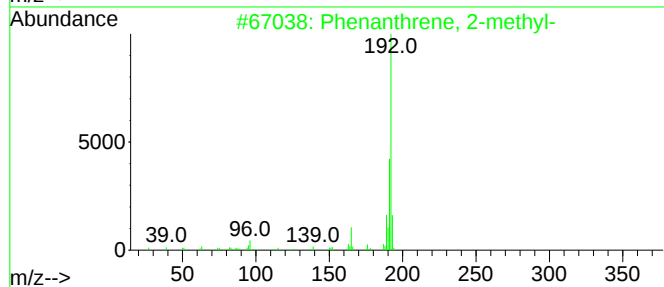
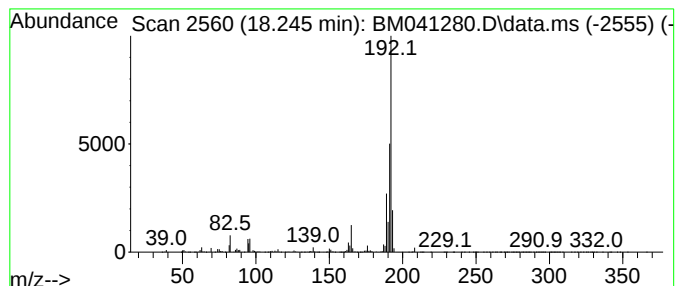
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TIC Integration Parameters: LSCINT.P

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Peak Number 13 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 18.245 | 59.79 ng | 5905090 | Phenanthrene-d10 | 17.227 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 96   |
| 2    |    |   | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 96   |
| 3    |    |   | Anthracene, 9-methyl-               | 192 | C15H12  | 000779-02-2 | 95   |
| 4    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 95   |
| 5    |    |   | Phenanthrene, 4-methyl-             | 192 | C15H12  | 000832-64-4 | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080323\  
Data File : BM041280.D  
Acq On : 04 Aug 2023 02:22  
Operator : MA/JU  
Sample : 03862-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BUILDING-B-17-(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM072823.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

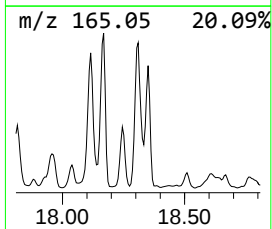
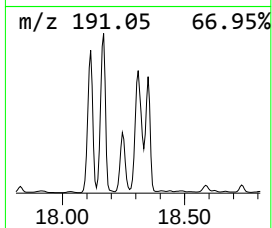
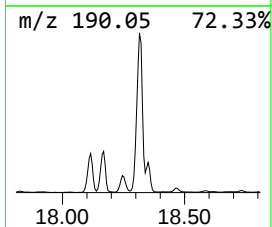
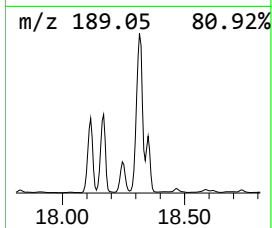
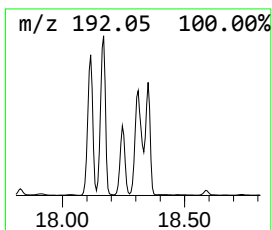
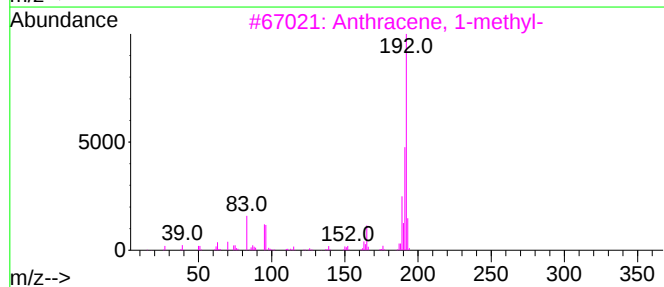
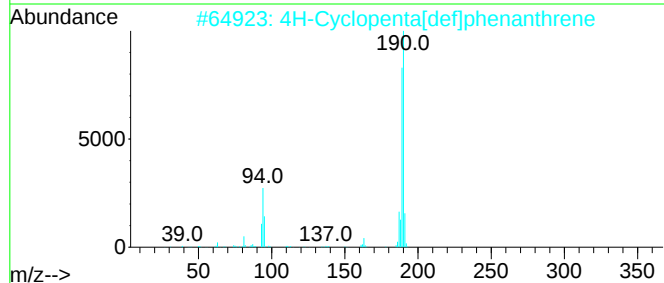
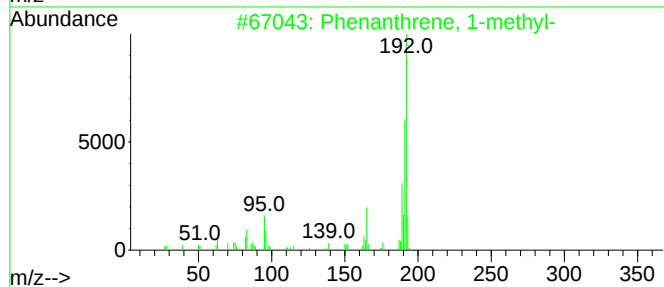
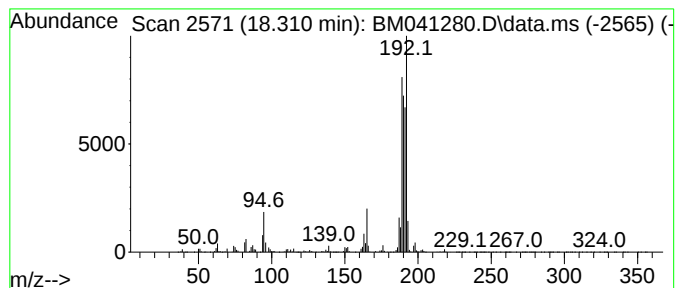
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TIC Integration Parameters: LSCINT.P

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Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

| R.T.   | EstConc   | Area     | Relative to ISTD | R.T.   |
|--------|-----------|----------|------------------|--------|
| 18.310 | 207.74 ng | 20517300 | Phenanthrene-d10 | 17.227 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 64   |
| 2    |    |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10  | 000203-64-5 | 55   |
| 3    |    |   | Anthracene, 1-methyl-               | 192 | C15H12  | 000610-48-0 | 50   |
| 4    |    |   | Phenanthrene, 4-methyl-             | 192 | C15H12  | 000832-64-4 | 50   |
| 5    |    |   | 1a,9b-Dihydro-1H-cyclopropa[a]an... | 192 | C15H12  | 006109-24-6 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080323\  
Data File : BM041280.D  
Acq On : 04 Aug 2023 02:22  
Operator : MA/JU  
Sample : 03862-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BUILDING-B-17-(0-5)

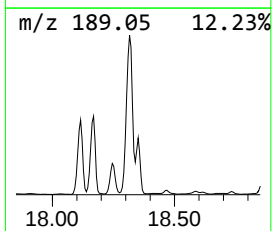
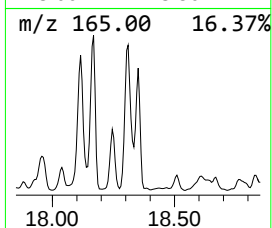
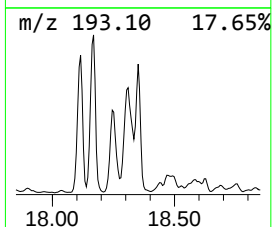
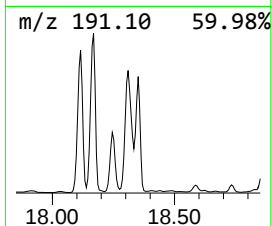
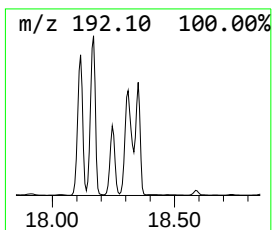
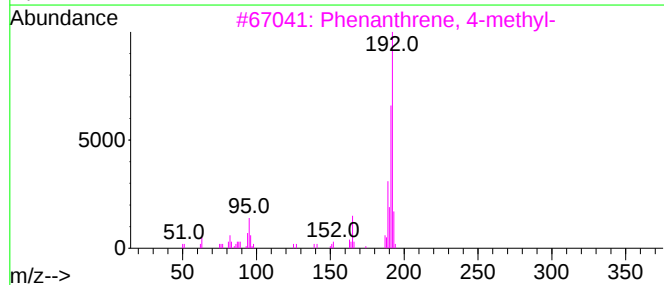
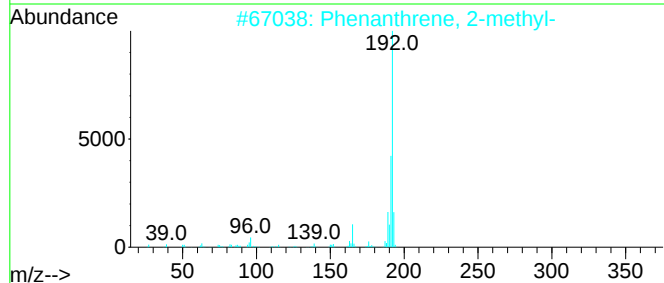
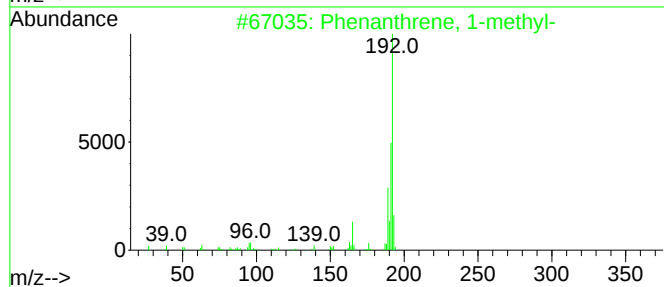
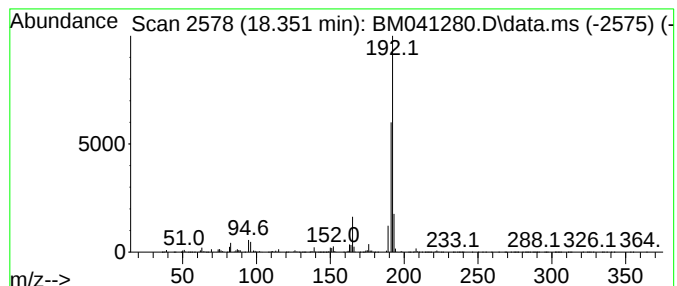
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 15 Phenanthrene, 4-methyl- Concentration Rank 6

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 18.351 | 92.80 ng | 9164970 | Phenanthrene-d10 | 17.227 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 93   |
| 2    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 93   |
| 3    |    |   | Phenanthrene, 4-methyl-             | 192 | C15H12  | 000832-64-4 | 93   |
| 4    |    |   | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 93   |
| 5    |    |   | Anthracene, 9-methyl-               | 192 | C15H12  | 000779-02-2 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080323\  
Data File : BM041280.D  
Acq On : 04 Aug 2023 02:22  
Operator : MA/JU  
Sample : 03862-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

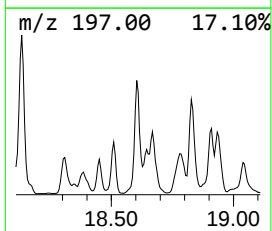
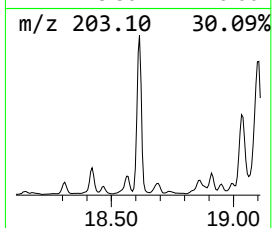
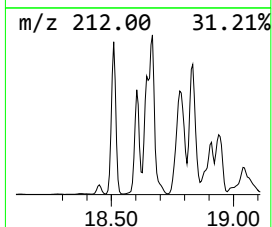
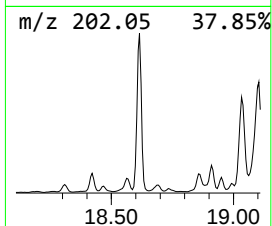
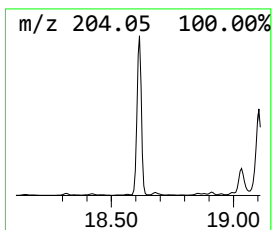
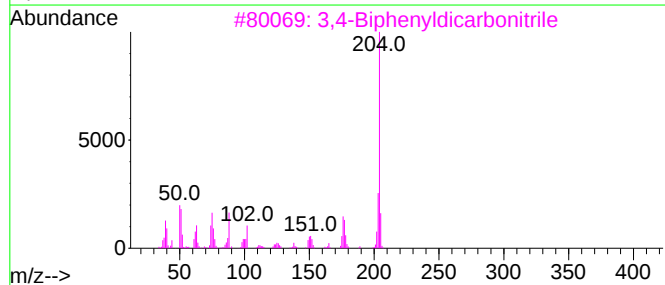
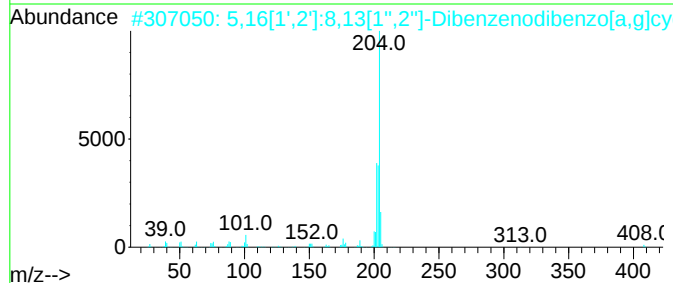
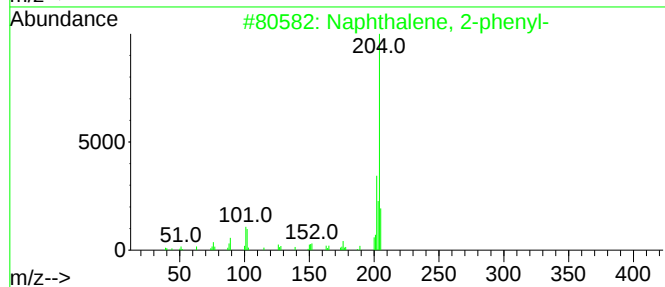
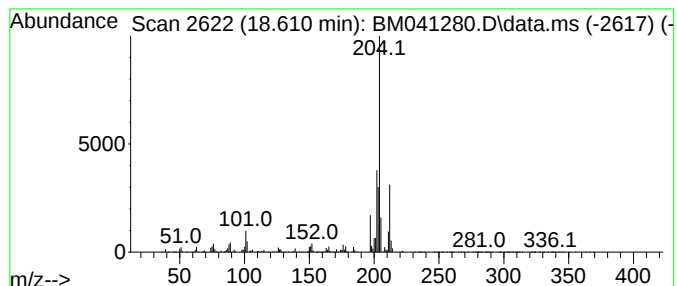
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BNA\_M  
ClientSampleId :  
BUILDING-B-17-(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM072823.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 17

| R.T.      | EstConc                             | Area    | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|---------|------------------|-------------|------|
| 18.610    | 49.21 ng                            | 4860510 | Phenanthrene-d10 | 17.227      |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm          | CAS#        | Qual |
| 1         | Naphthalene, 2-phenyl-              | 204     | C16H12           | 000612-94-2 | 70   |
| 2         | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408     | C32H24           | 005672-97-9 | 68   |
| 3         | 3,4-Biphenyldicarbonitrile          | 204     | C14H8N2          | 004128-63-6 | 47   |
| 4         | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204     | C16H12           | 006572-60-7 | 46   |
| 5         | 9,10-Bis(bromomethyl)anthracene     | 362     | C16H12Br2        | 034373-96-1 | 45   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080323\  
Data File : BM041280.D  
Acq On : 04 Aug 2023 02:22  
Operator : MA/JU  
Sample : 03862-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BUILDING-B-17-(0-5)

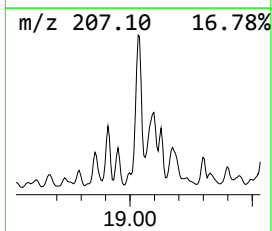
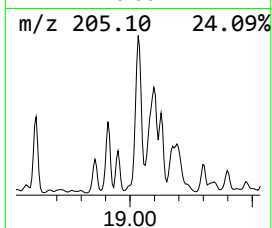
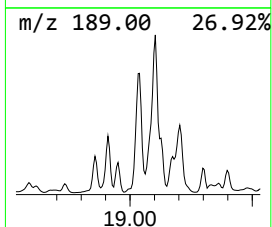
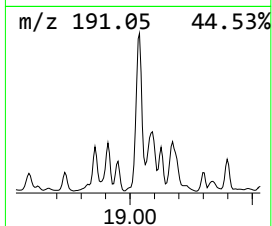
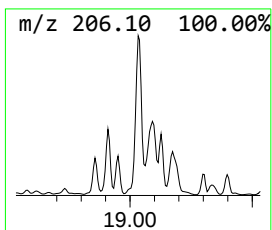
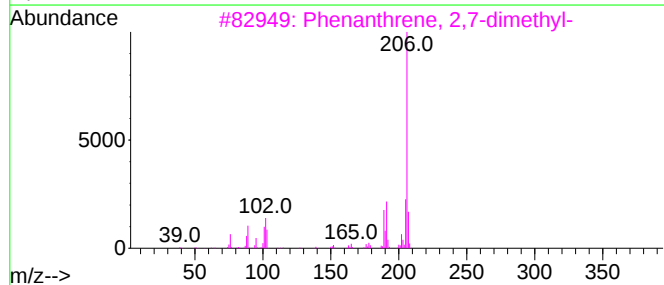
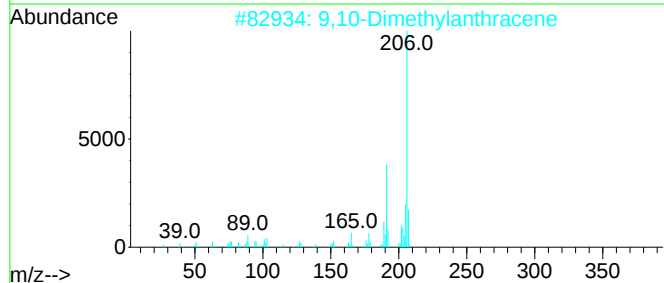
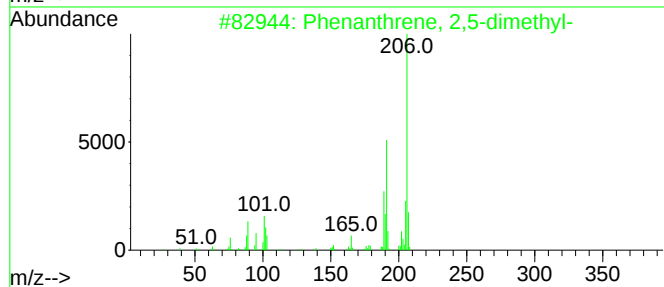
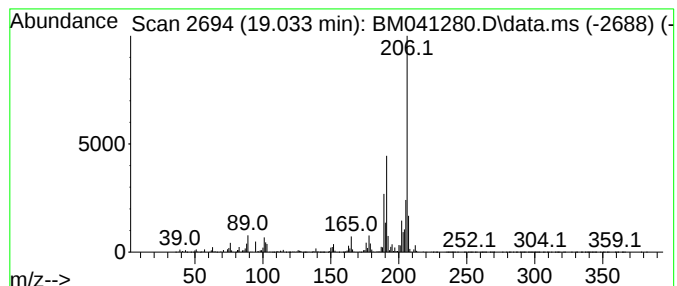
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

| R.T.   | EstConc   | Area     | Relative to ISTD | R.T.   |
|--------|-----------|----------|------------------|--------|
| 19.033 | 114.44 ng | 11302600 | Phenanthrene-d10 | 17.227 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2,5-dimethyl- | 206 | C16H14  | 003674-66-6 | 97   |
| 2    |    |   | 9,10-Dimethylantracene      | 206 | C16H14  | 000781-43-1 | 96   |
| 3    |    |   | Phenanthrene, 2,7-dimethyl- | 206 | C16H14  | 001576-69-8 | 93   |
| 4    |    |   | di-p-Tolylacetylene         | 206 | C16H14  | 002789-88-0 | 91   |
| 5    |    |   | Phenanthrene, 1,7-dimethyl- | 206 | C16H14  | 000483-87-4 | 89   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080323\  
Data File : BM041280.D  
Acq On : 04 Aug 2023 02:22  
Operator : MA/JU  
Sample : 03862-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BUILDING-B-17-(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM072823.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

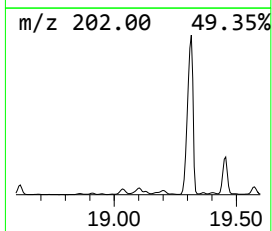
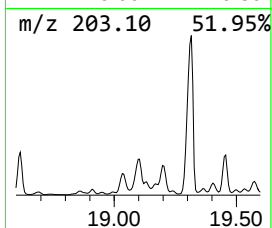
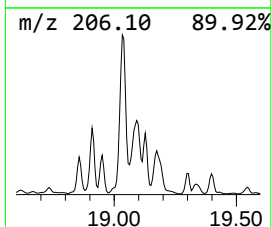
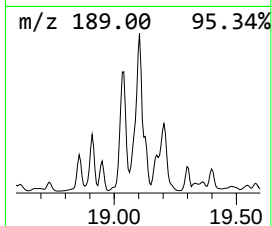
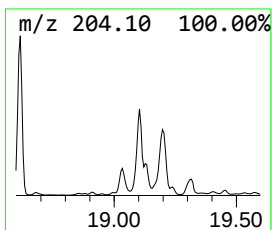
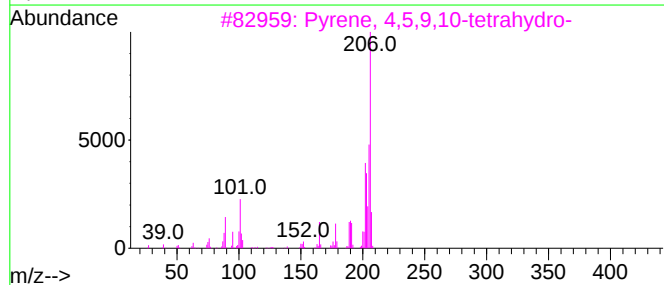
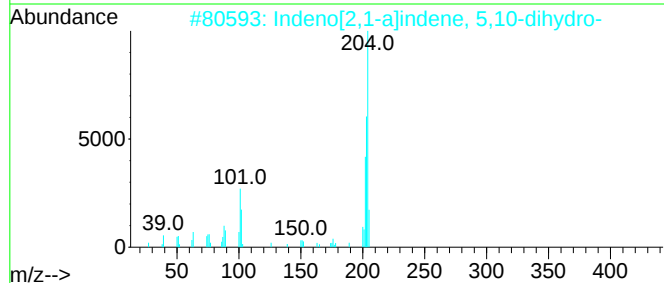
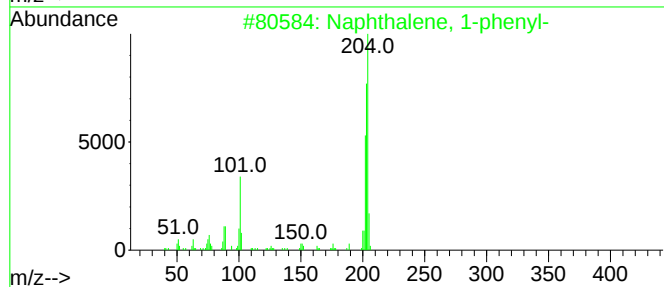
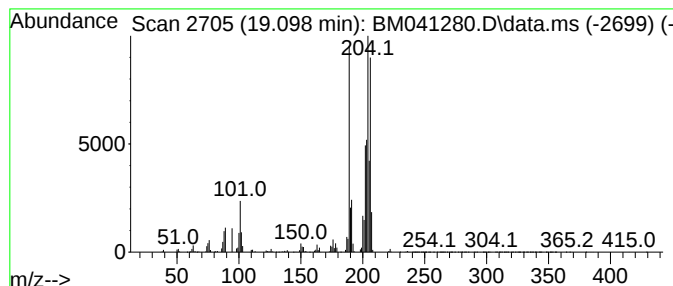
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 Naphthalene, 1-phenyl- Concentration Rank 11

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 19.098 | 64.39 ng | 6359530 | Phenanthrene-d10 | 17.227 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1-phenyl-              | 204 | C16H12  | 000605-02-7 | 70   |
| 2    |    |   | Indeno[2,1-a]indene, 5,10-dihydro-  | 204 | C16H12  | 006543-29-9 | 55   |
| 3    |    |   | Pyrene, 4,5,9,10-tetrahydro-        | 206 | C16H14  | 000781-17-9 | 55   |
| 4    |    |   | 5H-Dibenzo[a,d]cycloheptene, 5-m... | 204 | C16H12  | 002975-79-3 | 47   |
| 5    |    |   | Dibenzo[a,e]cyclooctene             | 204 | C16H12  | 000262-89-5 | 45   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080323\  
Data File : BM041280.D  
Acq On : 04 Aug 2023 02:22  
Operator : MA/JU  
Sample : 03862-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BUILDING-B-17-(0-5)

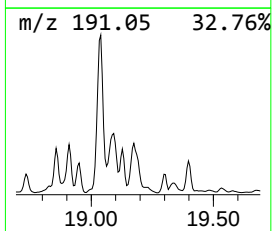
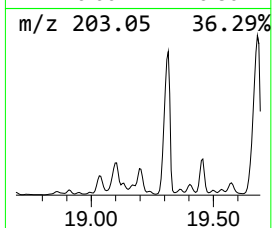
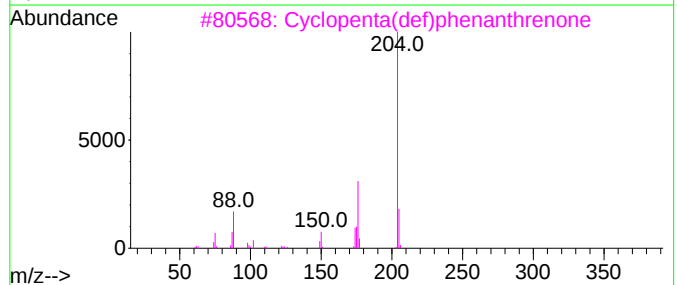
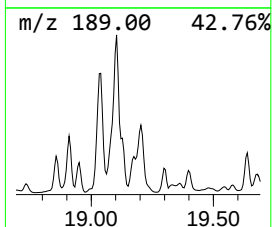
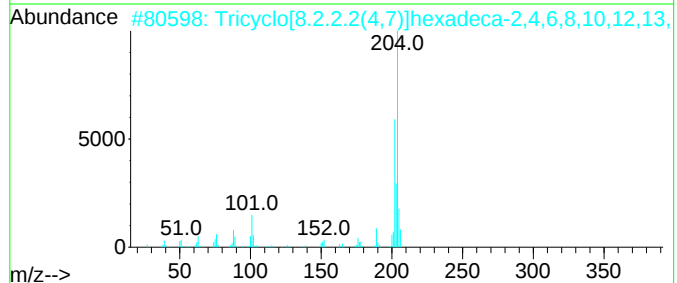
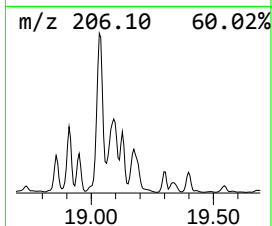
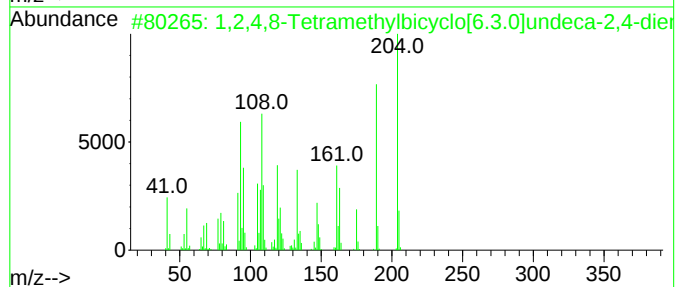
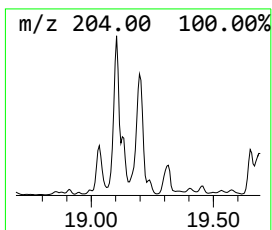
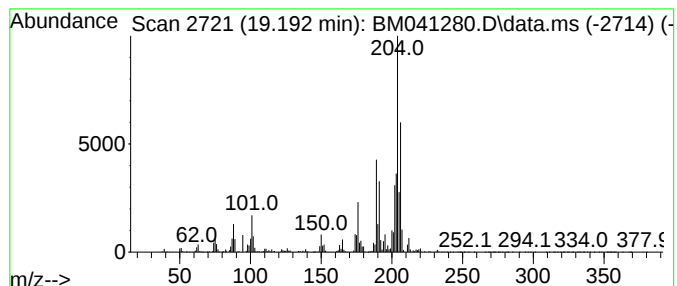
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 19 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 13

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 19.192 | 61.17 ng | 6041780 | Phenanthrene-d10 | 17.227 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 1,2,4,8-Tetramethylbicyclo[6.3.0... | 204 | C15H24       | 137235-51-9  | 86      |      |      |
| 2    | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12       | 006572-60-7  | 46      |      |      |
| 3    | Cyclopenta(def)phenanthrenone       | 204 | C15H8O       | 005737-13-3  | 42      |      |      |
| 4    | 5-(Difluoromethyl)-3-methyl-1H-p... | 204 | C8H14F2N2Si  | 1000498-58-2 | 38      |      |      |
| 5    | Naphthalene, 2-phenyl-              | 204 | C16H12       | 000612-94-2  | 38      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080323\  
Data File : BM041280.D  
Acq On : 04 Aug 2023 02:22  
Operator : MA/JU  
Sample : 03862-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BUILDING-B-17-(0-5)

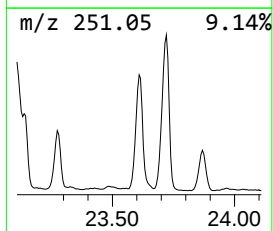
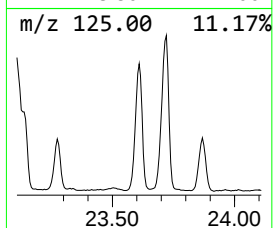
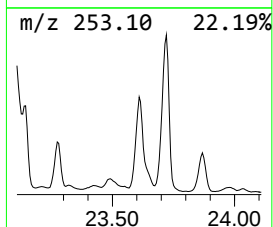
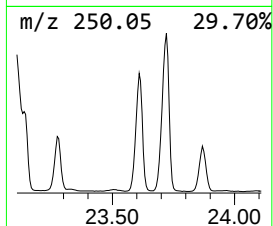
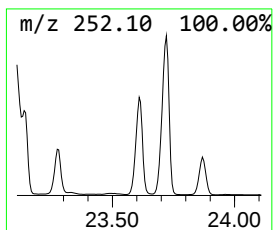
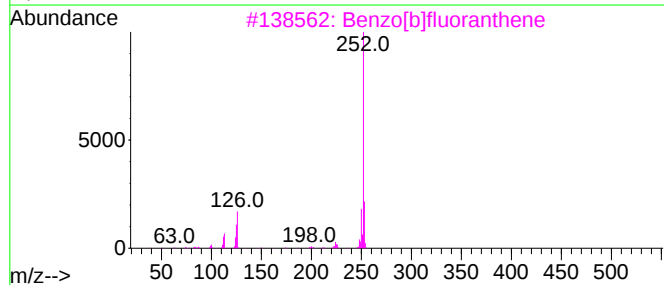
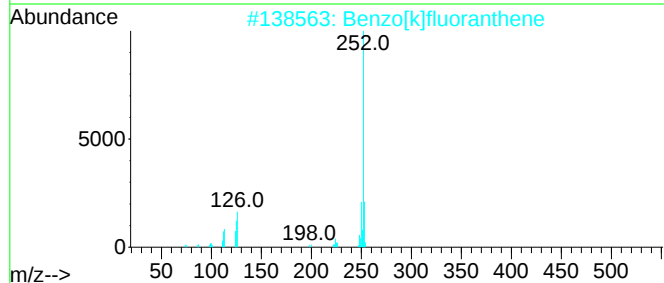
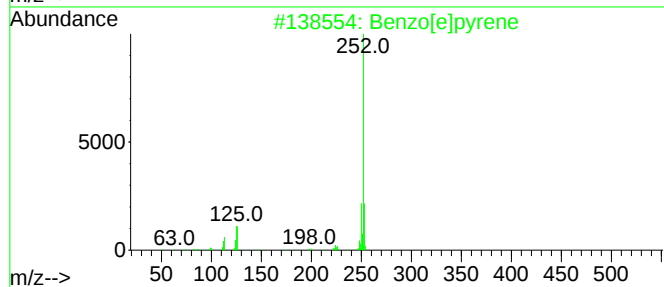
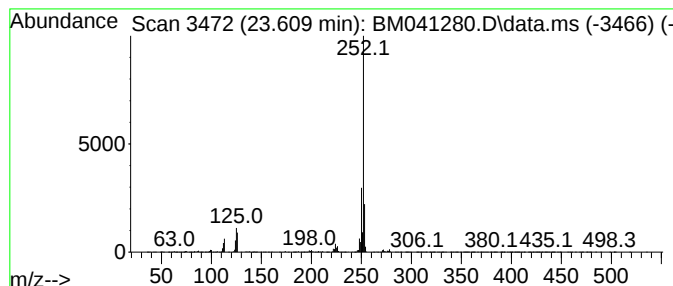
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM072823.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 20 Benzo[e]pyrene Concentration Rank 20

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 23.609 | 35.69 ng | 5904610 | Perylene-d12     | 23.815 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 99   |
| 2    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 97   |
| 3    |    |   | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 95   |
| 4    |    |   | Perylene             | 252 | C20H12  | 000198-55-0 | 94   |
| 5    |    |   | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080323\  
 Data File : BM041280.D  
 Acq On : 04 Aug 2023 02:22  
 Operator : MA/JU  
 Sample : 03862-03  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BUILDING-B-17-(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM072823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Naphthalene, 1,... | 13.639 | 81.3    | ng    | 6283090  | 3                     | 14.463 | 1545940 | 20.0 |
| Naphthalene, 1,... | 13.786 | 108.9   | ng    | 8418370  | 3                     | 14.463 | 1545940 | 20.0 |
| Naphthalene, 2,... | 13.839 | 58.4    | ng    | 4517340  | 3                     | 14.463 | 1545940 | 20.0 |
| Naphthalene, 1,... | 15.080 | 50.1    | ng    | 3869580  | 3                     | 14.463 | 1545940 | 20.0 |
| 9H-Fluorene, 1-... | 16.527 | 78.7    | ng    | 7768590  | 4                     | 17.227 | 1975270 | 20.0 |
| 9H-Fluorene, 2-... | 16.580 | 36.1    | ng    | 3563550  | 4                     | 17.227 | 1975270 | 20.0 |
| Dibenzothiophene   | 17.051 | 91.2    | ng    | 9009640  | 4                     | 17.227 | 1975270 | 20.0 |
| 1-Methyldibenzo... | 17.816 | 67.4    | ng    | 6655910  | 4                     | 17.227 | 1975270 | 20.0 |
| 4-Methylnaphtho... | 17.957 | 61.9    | ng    | 6109700  | 4                     | 17.227 | 1975270 | 20.0 |
| Phenanthrene, 1... | 18.116 | 163.8   | ng    | 16175300 | 4                     | 17.227 | 1975270 | 20.0 |
| Phenanthrene, 2... | 18.168 | 144.2   | ng    | 14244600 | 4                     | 17.227 | 1975270 | 20.0 |
| 1H-Cyclopropa[1... | 18.245 | 59.8    | ng    | 5905090  | 4                     | 17.227 | 1975270 | 20.0 |
| 4H-Cyclopenta[d... | 18.310 | 207.7   | ng    | 20517300 | 4                     | 17.227 | 1975270 | 20.0 |
| Phenanthrene, 4... | 18.351 | 92.8    | ng    | 9164970  | 4                     | 17.227 | 1975270 | 20.0 |
| Naphthalene, 2-... | 18.610 | 49.2    | ng    | 4860510  | 4                     | 17.227 | 1975270 | 20.0 |
| Phenanthrene, 2... | 19.033 | 114.4   | ng    | 11302600 | 4                     | 17.227 | 1975270 | 20.0 |
| Naphthalene, 1-... | 19.098 | 64.4    | ng    | 6359530  | 4                     | 17.227 | 1975270 | 20.0 |
| 1,2,4,8-Tetrame... | 19.192 | 61.2    | ng    | 6041780  | 4                     | 17.227 | 1975270 | 20.0 |
| Benzo[e]pyrene     | 23.609 | 35.7    | ng    | 5904610  | 6                     | 23.815 | 3309070 | 20.0 |