

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\  
 Data File : BF095439.D  
 Acq On : 25 May 2017 23:36  
 Operator : SJ/MA  
 Sample : I3200-04 2X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 POST-EX-DUP2-20170517

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:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.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         | 5.084       | 531           | 535         | 560          | rBV2     | 49710          | 161440        | 11.11%          | 0.735%        |
| 2         | 5.719       | 640           | 643         | 681          | rBV      | 369471         | 1120962       | 77.12%          | 5.105%        |
| 3         | 7.301       | 908           | 912         | 927          | rBV      | 370293         | 988174        | 67.98%          | 4.500%        |
| 4         | 7.413       | 927           | 931         | 947          | rVB      | 742347         | 1395635       | 96.01%          | 6.356%        |
| 5         | 7.742       | 983           | 987         | 1000         | rVB      | 425663         | 534231        | 36.75%          | 2.433%        |
| 6         | 7.978       | 1023          | 1027        | 1046         | rBV      | 663735         | 865031        | 59.51%          | 3.939%        |
| 7         | 8.654       | 1137          | 1142        | 1158         | rBV      | 274434         | 617443        | 42.48%          | 2.812%        |
| 8         | 9.766       | 1327          | 1331        | 1349         | rBV      | 376361         | 744754        | 51.24%          | 3.392%        |
| 9         | 11.095      | 1550          | 1557        | 1564         | rBV2     | 6548           | 14563         | 1.00%           | 0.066%        |
| 10        | 11.536      | 1627          | 1632        | 1654         | rBV      | 880198         | 1453573       | 100.00%         | 6.620%        |
| 11        | 12.077      | 1720          | 1724        | 1729         | rBV4     | 13617          | 22031         | 1.52%           | 0.100%        |
| 12        | 12.236      | 1747          | 1751        | 1765         | rBV      | 133741         | 261912        | 18.02%          | 1.193%        |
| 13        | 12.383      | 1770          | 1776        | 1784         | rBV      | 35251          | 58619         | 4.03%           | 0.267%        |
| 14        | 12.601      | 1808          | 1813        | 1819         | rBV2     | 511823         | 768718        | 52.88%          | 3.501%        |
| 15        | 12.654      | 1819          | 1822        | 1828         | rVB2     | 42622          | 71918         | 4.95%           | 0.328%        |
| 16        | 12.971      | 1870          | 1876        | 1880         | rBV3     | 12686          | 27924         | 1.92%           | 0.127%        |
| 17        | 13.036      | 1884          | 1887        | 1892         | rVB3     | 12752          | 16822         | 1.16%           | 0.077%        |
| 18        | 13.142      | 1901          | 1905        | 1912         | rVB5     | 16441          | 25816         | 1.78%           | 0.118%        |
| 19        | 13.207      | 1912          | 1916        | 1921         | rBV6     | 11590          | 16307         | 1.12%           | 0.074%        |
| 20        | 13.430      | 1949          | 1954        | 1958         | rBV      | 35852          | 46462         | 3.20%           | 0.212%        |
| 21        | 13.507      | 1962          | 1967        | 1977         | rVB2     | 32853          | 58184         | 4.00%           | 0.265%        |
| 22        | 13.589      | 1977          | 1981        | 1983         | rBV5     | 12616          | 19155         | 1.32%           | 0.087%        |
| 23        | 13.783      | 2008          | 2014        | 2023         | rBV7     | 21930          | 52815         | 3.63%           | 0.241%        |
| 24        | 13.901      | 2030          | 2034        | 2044         | rBV      | 340566         | 600537        | 41.31%          | 2.735%        |
| 25        | 14.124      | 2068          | 2072        | 2079         | rBV7     | 9969           | 16064         | 1.11%           | 0.073%        |
| 26        | 14.207      | 2081          | 2086        | 2088         | rBV      | 33457          | 47988         | 3.30%           | 0.219%        |
| 27        | 14.401      | 2113          | 2119        | 2122         | rBV4     | 22017          | 35488         | 2.44%           | 0.162%        |
| 28        | 14.448      | 2124          | 2127        | 2132         | rVB5     | 18679          | 31238         | 2.15%           | 0.142%        |
| 29        | 14.630      | 2153          | 2158        | 2160         | rBV4     | 20149          | 32657         | 2.25%           | 0.149%        |
| 30        | 14.789      | 2181          | 2185        | 2191         | rBV8     | 14065          | 28761         | 1.98%           | 0.131%        |
| 31        | 14.842      | 2191          | 2194        | 2197         | rVB      | 20915          | 20967         | 1.44%           | 0.095%        |
| 32        | 14.930      | 2206          | 2209        | 2213         | rVB2     | 28634          | 33396         | 2.30%           | 0.152%        |
| 33        | 15.001      | 2215          | 2221        | 2224         | rVV      | 463136         | 580115        | 39.91%          | 2.642%        |
| 34        | 15.042      | 2224          | 2228        | 2236         | rVV      | 422879         | 616276        | 42.40%          | 2.807%        |

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 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 POST-EX-DUP2-20170517

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:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 15.130 | 2239 | 2243 | 2253 | rVB  | 84997  | 131931  | 9.08%  | 0.601% |
| 36 | 15.224 | 2255 | 2259 | 2262 | rBV4 | 25234  | 36364   | 2.50%  | 0.166% |
| 37 | 15.442 | 2291 | 2296 | 2301 | rVV4 | 25331  | 57151   | 3.93%  | 0.260% |
| 38 | 15.489 | 2301 | 2304 | 2307 | rVV2 | 21122  | 26602   | 1.83%  | 0.121% |
| 39 | 15.530 | 2307 | 2311 | 2316 | rVV  | 35586  | 58371   | 4.02%  | 0.266% |
| 40 | 15.595 | 2319 | 2322 | 2328 | rVB3 | 28119  | 39284   | 2.70%  | 0.179% |
| 41 | 15.665 | 2328 | 2334 | 2337 | rBV7 | 20901  | 37795   | 2.60%  | 0.172% |
| 42 | 15.783 | 2351 | 2354 | 2358 | rVV  | 129868 | 153946  | 10.59% | 0.701% |
| 43 | 15.830 | 2358 | 2362 | 2366 | rVB  | 141583 | 181431  | 12.48% | 0.826% |
| 44 | 15.901 | 2371 | 2374 | 2376 | rBV  | 32376  | 39386   | 2.71%  | 0.179% |
| 45 | 15.936 | 2376 | 2380 | 2384 | rVV2 | 163828 | 260452  | 17.92% | 1.186% |
| 46 | 15.977 | 2384 | 2387 | 2392 | rVB  | 112208 | 155810  | 10.72% | 0.710% |
| 47 | 16.130 | 2410 | 2413 | 2417 | rVV3 | 19576  | 25773   | 1.77%  | 0.117% |
| 48 | 16.189 | 2421 | 2423 | 2425 | rBV2 | 23367  | 22778   | 1.57%  | 0.104% |
| 49 | 16.224 | 2425 | 2429 | 2436 | rVV  | 50791  | 79666   | 5.48%  | 0.363% |
| 50 | 16.289 | 2437 | 2440 | 2443 | rBV2 | 44295  | 53197   | 3.66%  | 0.242% |
| 51 | 16.430 | 2461 | 2464 | 2469 | rBV  | 50780  | 68145   | 4.69%  | 0.310% |
| 52 | 16.477 | 2469 | 2472 | 2476 | rBV  | 42409  | 53010   | 3.65%  | 0.241% |
| 53 | 16.512 | 2476 | 2478 | 2484 | rVB  | 23656  | 25721   | 1.77%  | 0.117% |
| 54 | 16.577 | 2485 | 2489 | 2493 | rBV  | 134682 | 179799  | 12.37% | 0.819% |
| 55 | 16.624 | 2493 | 2497 | 2500 | rVV2 | 54048  | 76840   | 5.29%  | 0.350% |
| 56 | 16.659 | 2500 | 2503 | 2506 | rVB  | 31066  | 30846   | 2.12%  | 0.140% |
| 57 | 16.707 | 2506 | 2511 | 2514 | rBV4 | 75374  | 121502  | 8.36%  | 0.553% |
| 58 | 16.783 | 2520 | 2524 | 2535 | rVB  | 716946 | 908483  | 62.50% | 4.137% |
| 59 | 16.877 | 2535 | 2540 | 2544 | rBV7 | 39184  | 73165   | 5.03%  | 0.333% |
| 60 | 16.918 | 2544 | 2547 | 2553 | rVB3 | 34665  | 57650   | 3.97%  | 0.263% |
| 61 | 16.983 | 2553 | 2558 | 2561 | rBV2 | 32606  | 42575   | 2.93%  | 0.194% |
| 62 | 17.024 | 2562 | 2565 | 2568 | rBV3 | 35503  | 43201   | 2.97%  | 0.197% |
| 63 | 17.089 | 2571 | 2576 | 2581 | rVV  | 845689 | 1048018 | 72.10% | 4.773% |
| 64 | 17.154 | 2585 | 2587 | 2593 | rVB4 | 17700  | 28742   | 1.98%  | 0.131% |
| 65 | 17.242 | 2599 | 2602 | 2605 | rBV3 | 31406  | 35827   | 2.46%  | 0.163% |
| 66 | 17.277 | 2605 | 2608 | 2611 | rVV2 | 37130  | 41410   | 2.85%  | 0.189% |
| 67 | 17.318 | 2611 | 2615 | 2623 | rVB  | 857669 | 1019177 | 70.12% | 4.641% |
| 68 | 17.406 | 2625 | 2630 | 2634 | rBV3 | 68750  | 116008  | 7.98%  | 0.528% |
| 69 | 17.524 | 2645 | 2650 | 2652 | rBV4 | 60298  | 109135  | 7.51%  | 0.497% |
| 70 | 17.548 | 2652 | 2654 | 2660 | rVB  | 95906  | 127063  | 8.74%  | 0.579% |
| 71 | 17.612 | 2660 | 2665 | 2666 | rBV5 | 20466  | 30172   | 2.08%  | 0.137% |

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Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-DUP2-20170517

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:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 72  | 17.636 | 2666 | 2669 | 2673 | rVB2 | 60281  | 71410   | 4.91%  | 0.325% |
| 73  | 17.683 | 2673 | 2677 | 2683 | rBV3 | 137810 | 268699  | 18.49% | 1.224% |
| 74  | 17.801 | 2694 | 2697 | 2700 | rVB  | 87763  | 86431   | 5.95%  | 0.394% |
| 75  | 17.842 | 2701 | 2704 | 2708 | rVB2 | 70662  | 76166   | 5.24%  | 0.347% |
| 76  | 17.977 | 2724 | 2727 | 2732 | rVB4 | 39731  | 54075   | 3.72%  | 0.246% |
| 77  | 18.189 | 2761 | 2763 | 2765 | rBV2 | 17470  | 14556   | 1.00%  | 0.066% |
| 78  | 18.236 | 2768 | 2771 | 2775 | rVV  | 70023  | 86655   | 5.96%  | 0.395% |
| 79  | 18.295 | 2779 | 2781 | 2785 | rBV2 | 22774  | 25944   | 1.78%  | 0.118% |
| 80  | 18.353 | 2787 | 2791 | 2793 | rBV2 | 53337  | 69703   | 4.80%  | 0.317% |
| 81  | 18.383 | 2793 | 2796 | 2799 | rVV  | 105657 | 116338  | 8.00%  | 0.530% |
| 82  | 18.418 | 2799 | 2802 | 2805 | rVV  | 48081  | 55790   | 3.84%  | 0.254% |
| 83  | 18.453 | 2806 | 2808 | 2812 | rVB2 | 46417  | 48915   | 3.37%  | 0.223% |
| 84  | 18.512 | 2815 | 2818 | 2824 | rVV  | 59944  | 77877   | 5.36%  | 0.355% |
| 85  | 18.671 | 2840 | 2845 | 2849 | rBV2 | 623412 | 1076416 | 74.05% | 4.902% |
| 86  | 18.712 | 2849 | 2852 | 2858 | rVB2 | 389118 | 582647  | 40.08% | 2.653% |
| 87  | 18.806 | 2864 | 2868 | 2873 | rVB2 | 53283  | 71755   | 4.94%  | 0.327% |
| 88  | 18.906 | 2882 | 2885 | 2888 | rBV5 | 24303  | 37256   | 2.56%  | 0.170% |
| 89  | 18.965 | 2892 | 2895 | 2899 | rVB3 | 40222  | 50862   | 3.50%  | 0.232% |
| 90  | 19.183 | 2929 | 2932 | 2936 | rVB  | 101059 | 104508  | 7.19%  | 0.476% |
| 91  | 19.224 | 2936 | 2939 | 2943 | rVB  | 61977  | 67335   | 4.63%  | 0.307% |
| 92  | 19.342 | 2956 | 2959 | 2965 | rVB4 | 47666  | 94631   | 6.51%  | 0.431% |
| 93  | 19.795 | 3032 | 3036 | 3040 | rBV4 | 55759  | 90745   | 6.24%  | 0.413% |
| 94  | 19.948 | 3058 | 3062 | 3065 | rBV  | 321483 | 443730  | 30.53% | 2.021% |
| 95  | 20.065 | 3079 | 3082 | 3087 | rBV2 | 62929  | 95806   | 6.59%  | 0.436% |
| 96  | 20.242 | 3109 | 3112 | 3116 | rBV  | 211570 | 206999  | 14.24% | 0.943% |
| 97  | 20.300 | 3119 | 3122 | 3128 | rVB  | 252846 | 290926  | 20.01% | 1.325% |
| 98  | 20.359 | 3128 | 3132 | 3135 | rBV  | 297419 | 384307  | 26.44% | 1.750% |
| 99  | 21.700 | 3355 | 3360 | 3369 | rVB2 | 84044  | 181230  | 12.47% | 0.825% |
| 100 | 22.083 | 3422 | 3425 | 3434 | rVB  | 73936  | 144324  | 9.93%  | 0.657% |

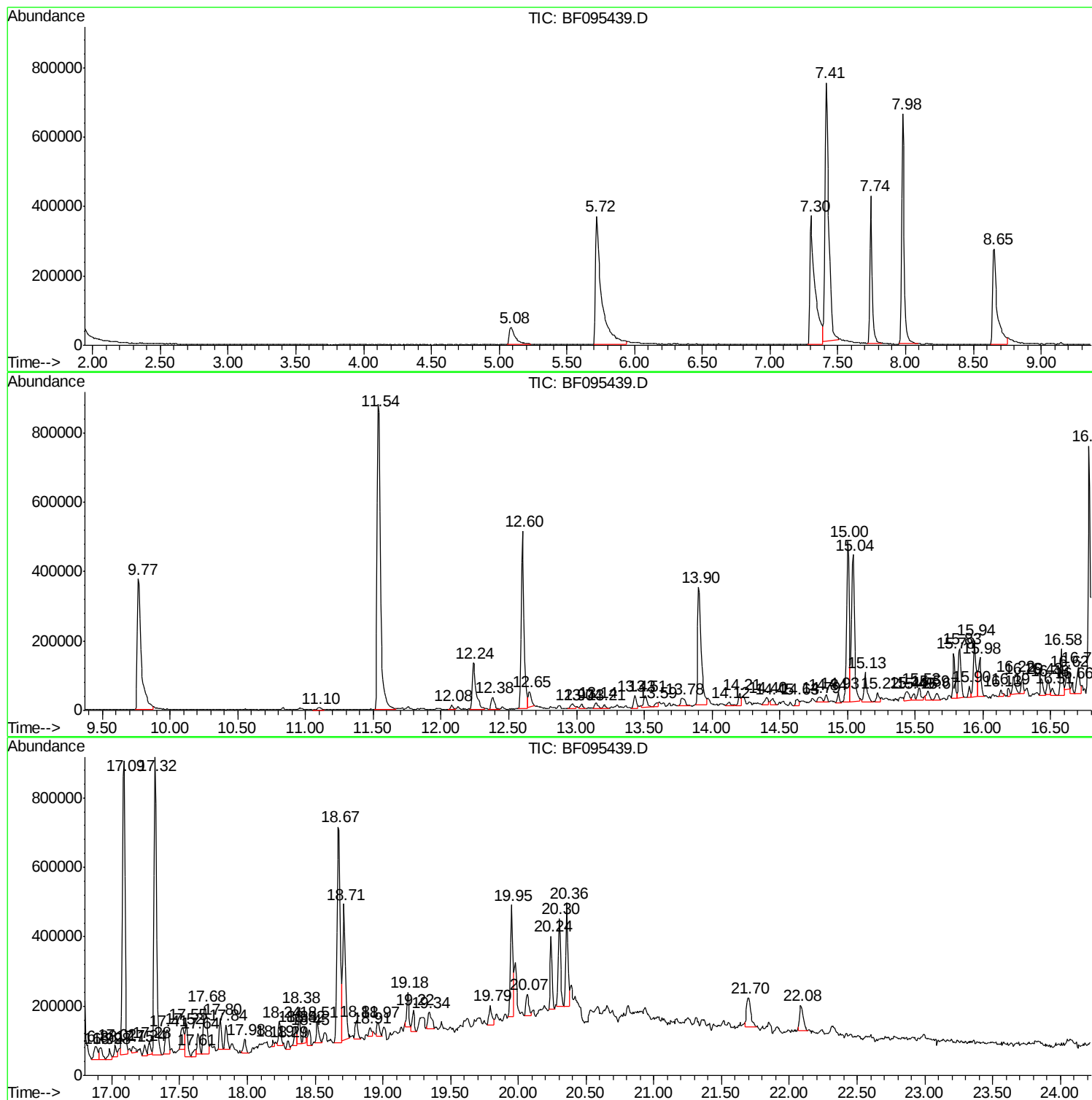
Sum of corrected areas: 21958438

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Instrument :  
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ClientSampleId :  
POST-EX-DUP2-20170517

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052517\  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

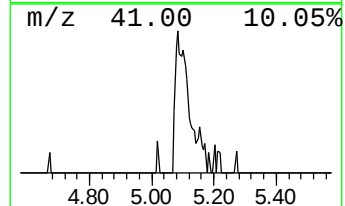
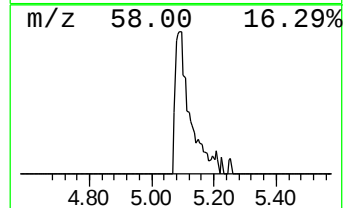
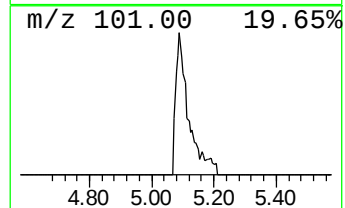
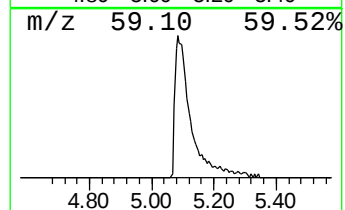
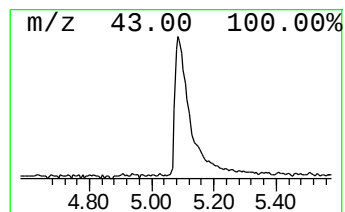
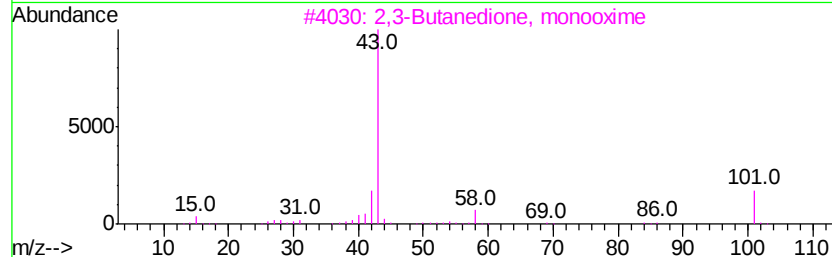
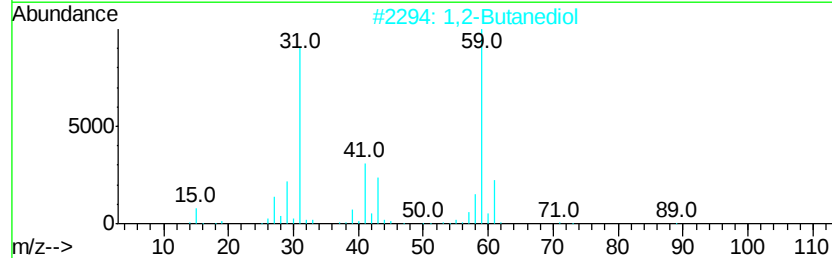
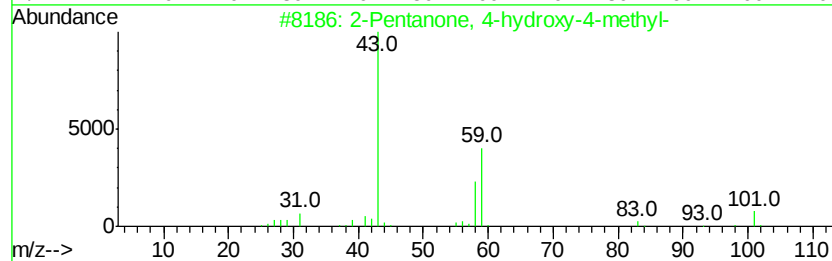
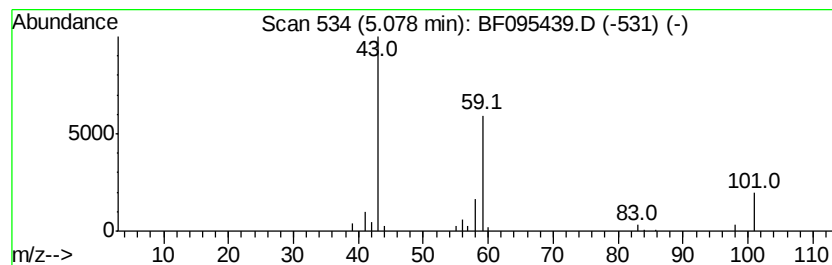
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.08 | 6.04 ng | 161440 | 1,4-Dichlorobenzene-d4 | 7.74 |

| Hit# | of                               | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|----------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2      | 000123-42-2 | 42      |      |      |
| 2    | 1,2-Butanediol                   | 90  | C4H10O2      | 000584-03-2 | 25      |      |      |
| 3    | 2,3-Butanedione, monooxime       | 101 | C4H7NO2      | 000057-71-6 | 9       |      |      |
| 4    | 5-Hexen-2-one                    | 98  | C6H10O       | 000109-49-9 | 9       |      |      |
| 5    | Butyl aldoxime, 3-methyl-, syn-  | 101 | C5H11NO      | 005780-40-5 | 9       |      |      |



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ALS Vial : 17 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

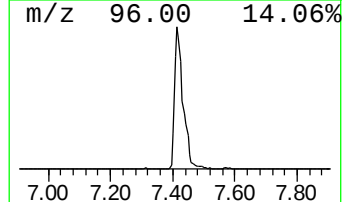
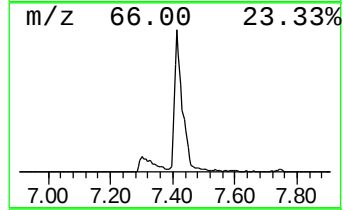
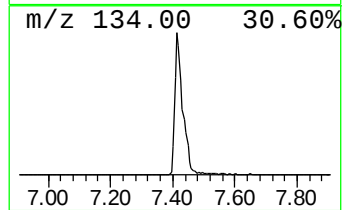
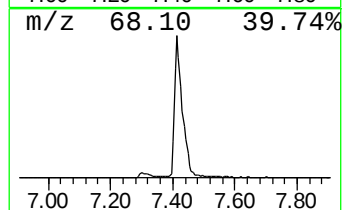
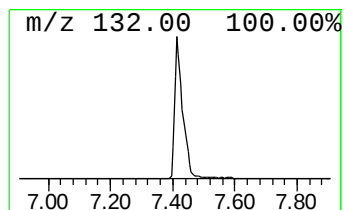
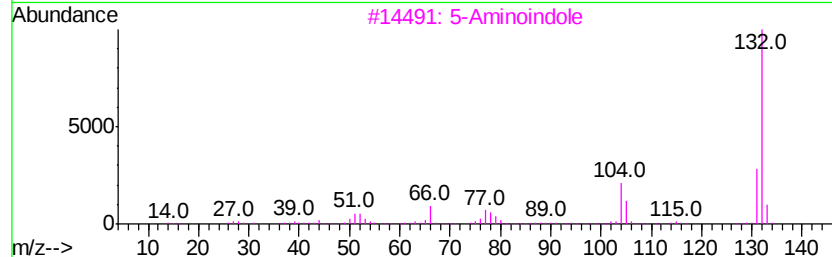
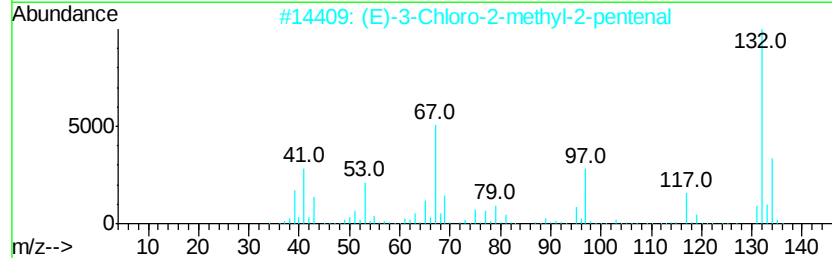
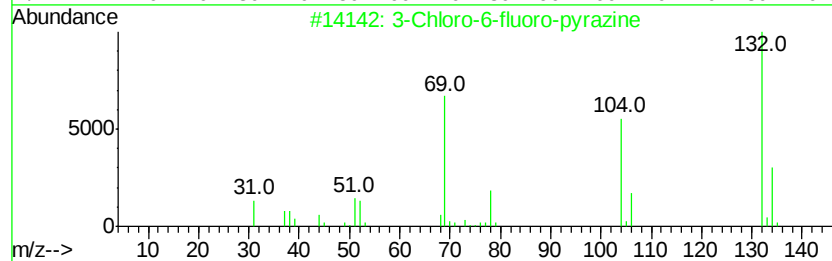
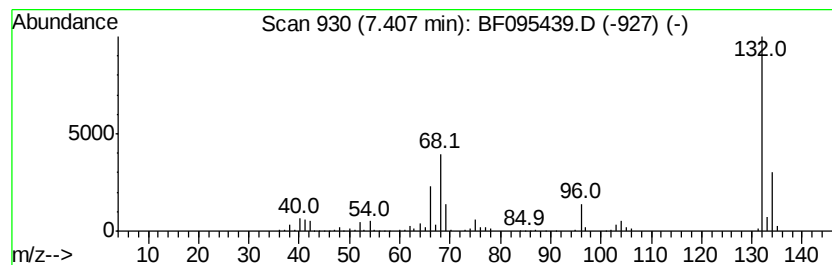
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown7.41 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.41 | 52.25 ng | 1395640 | 1,4-Dichlorobenzene-d4 | 7.74 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 25   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 25   |
| 3    |    | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 12   |
| 4    |    | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 5    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052517\  
Data File : BF095439.D  
Acq On : 25 May 2017 23:36  
Operator : SJ/MA  
Sample : I3200-04 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-DUP2-20170517

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

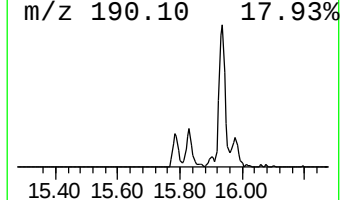
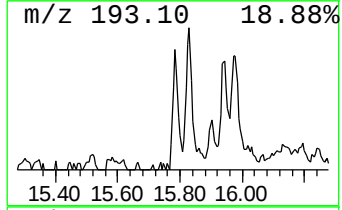
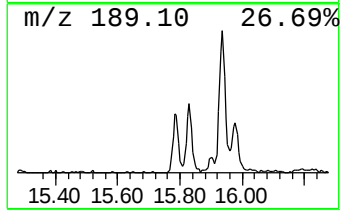
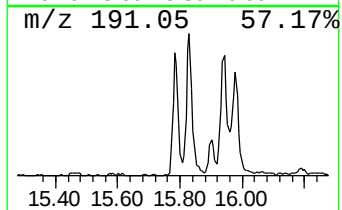
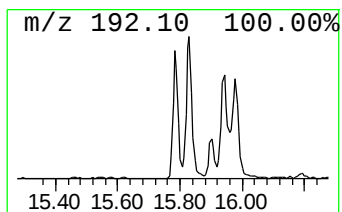
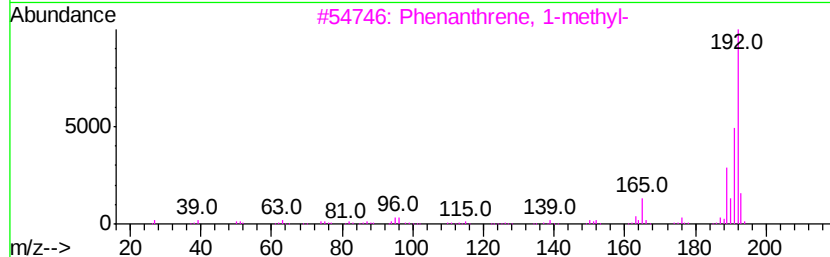
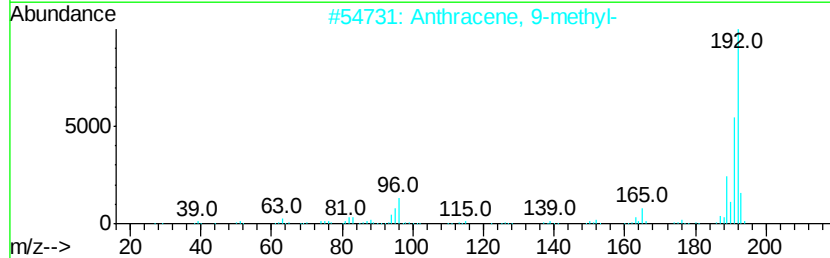
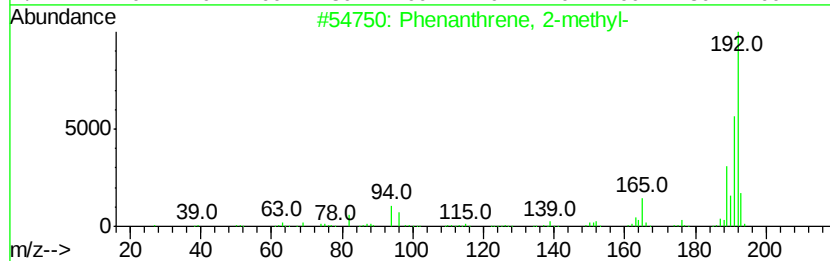
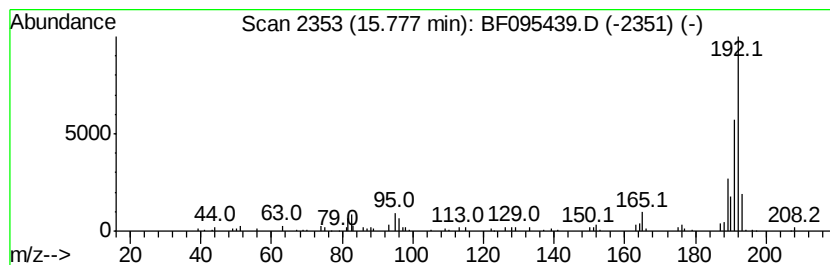
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.78 | 5.31 ng | 153946 | Phenanthrene-d10 | 15.00 |

| Hit# of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------|-----|---------|-------------|------|
| 1       |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 93   |
| 2       |   | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 91   |
| 3       |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 90   |
| 4       |   | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 90   |
| 5       |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 90   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052517\  
Data File : BF095439.D  
Acq On : 25 May 2017 23:36  
Operator : SJ/MA  
Sample : I3200-04 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

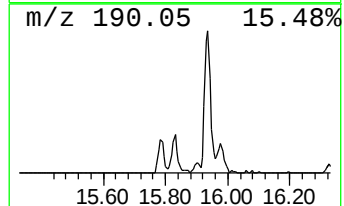
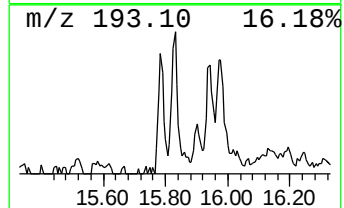
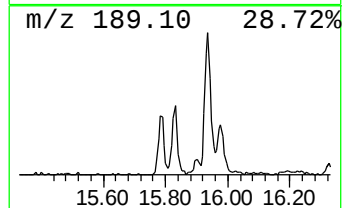
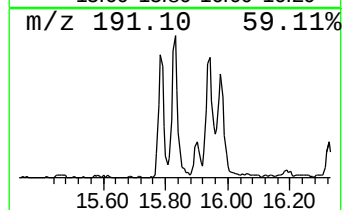
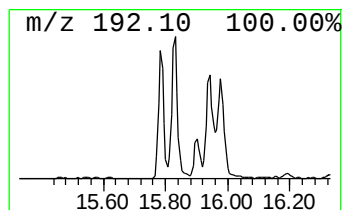
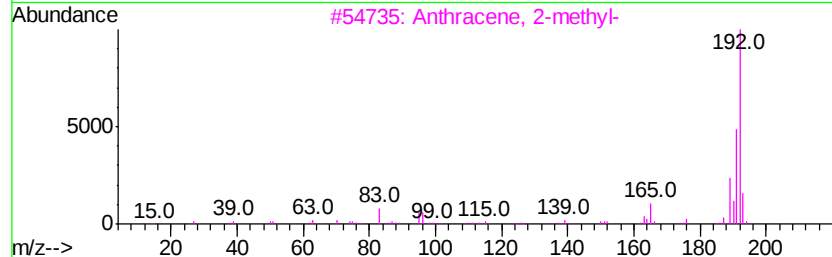
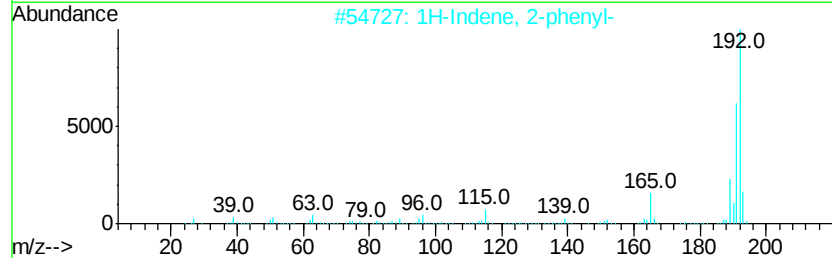
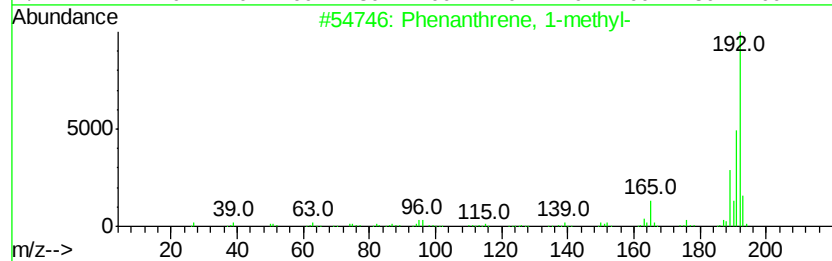
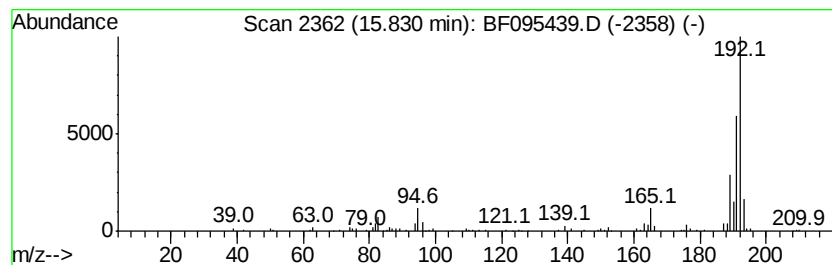
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BNA\_F  
ClientSampleId :  
POST-EX-DUP2-20170517

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 5

| R.T.      | EstConc                 | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------|--------|------------------|-------------|------|
| 15.83     | 6.26 ng                 | 181431 | Phenanthrene-d10 | 15.00       |      |
| Hit# of 5 | Tentative ID            | MW     | MolForm          | CAS#        | Qual |
| 1         | Phenanthrene, 1-methyl- | 192    | C15H12           | 000832-69-9 | 95   |
| 2         | 1H-Indene, 2-phenyl-    | 192    | C15H12           | 004505-48-0 | 94   |
| 3         | Anthracene, 2-methyl-   | 192    | C15H12           | 000613-12-7 | 93   |
| 4         | Phenanthrene, 2-methyl- | 192    | C15H12           | 002531-84-2 | 93   |
| 5         | Anthracene, 9-methyl-   | 192    | C15H12           | 000779-02-2 | 91   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052517\  
Data File : BF095439.D  
Acq On : 25 May 2017 23:36  
Operator : SJ/MA  
Sample : I3200-04 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-DUP2-20170517

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

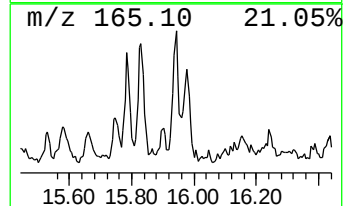
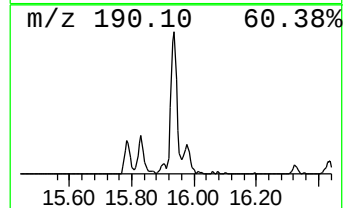
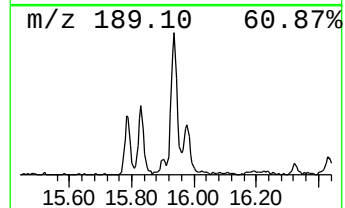
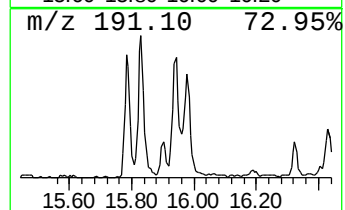
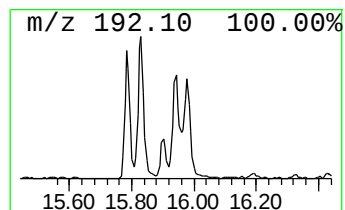
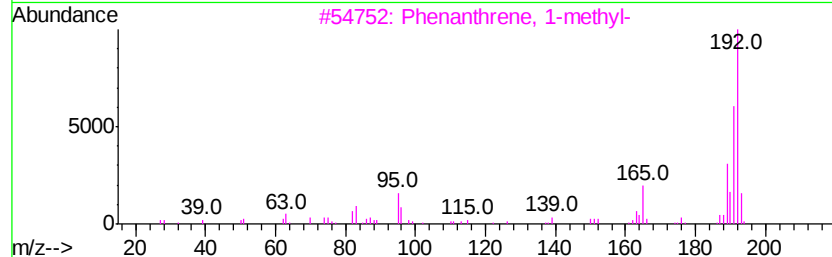
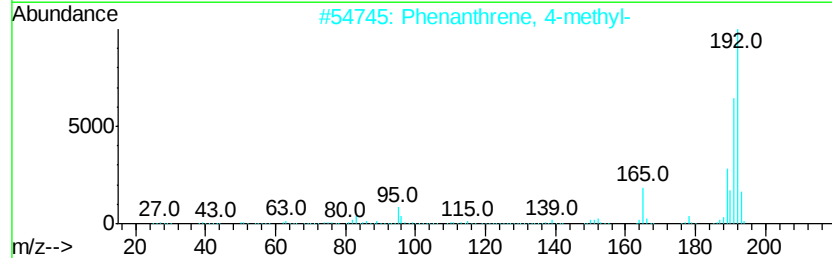
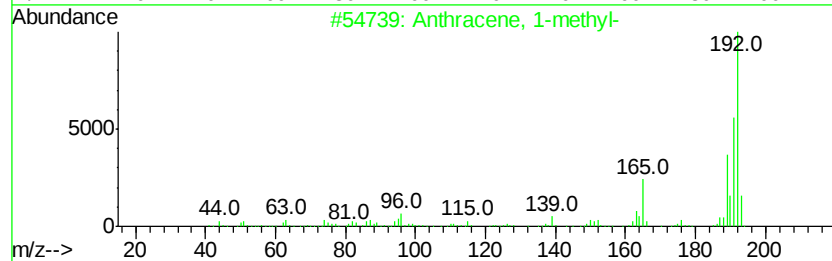
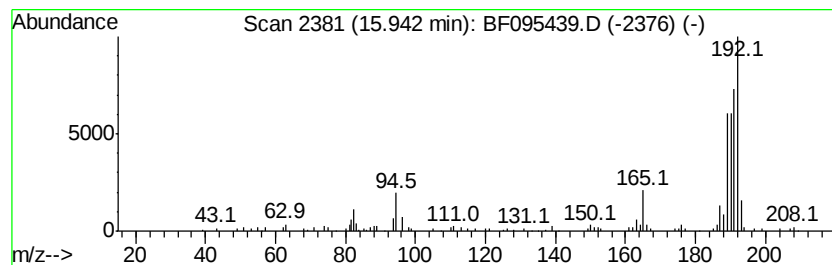
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 unknown15.94 Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.94 | 8.98 ng | 260452 | Phenanthrene-d10 | 15.00 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Anthracene, 1-methyl-          | 192 | C15H12  | 000610-48-0 | 46   |
| 2    |    | Phenanthrene, 4-methyl-        | 192 | C15H12  | 000832-64-4 | 46   |
| 3    |    | Phenanthrene, 1-methyl-        | 192 | C15H12  | 000832-69-9 | 46   |
| 4    |    | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10  | 000203-64-5 | 46   |
| 5    |    | Anthracene, 9-methyl-          | 192 | C15H12  | 000779-02-2 | 45   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052517\  
Data File : BF095439.D  
Acq On : 25 May 2017 23:36  
Operator : SJ/MA  
Sample : I3200-04 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-DUP2-20170517

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

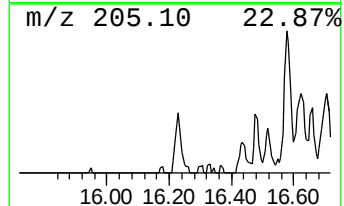
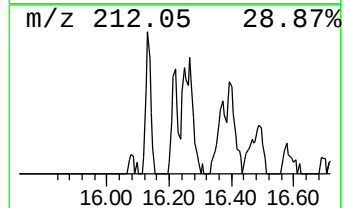
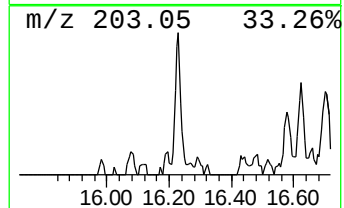
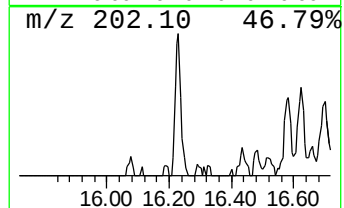
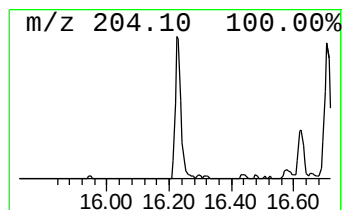
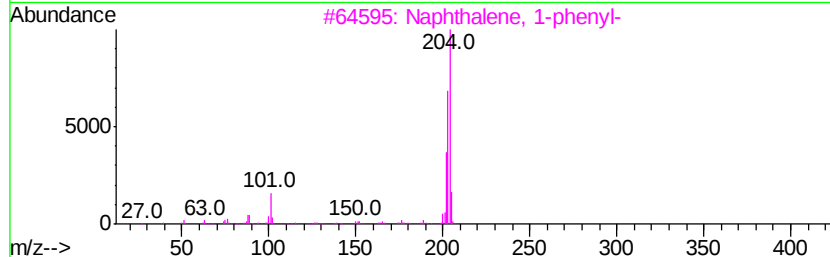
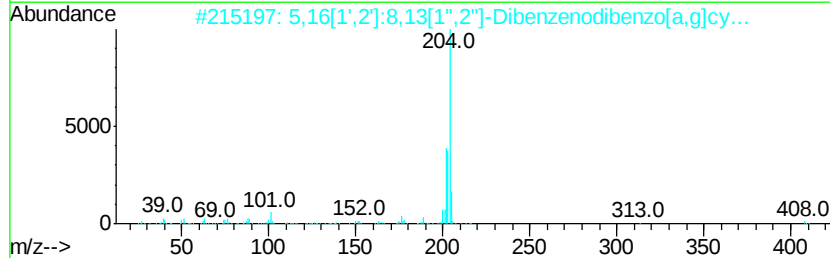
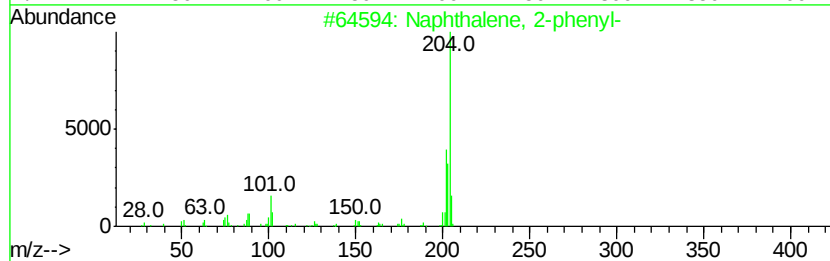
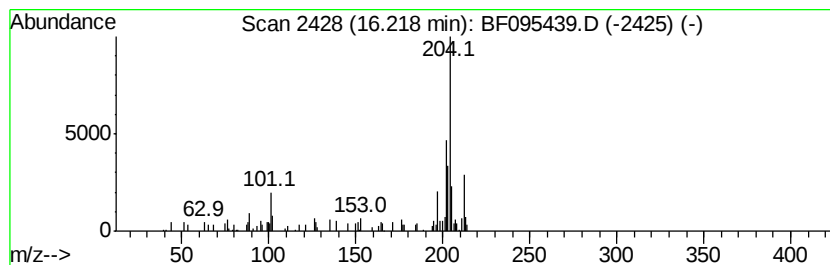
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 14

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 16.22 | 2.75 ng | 79666 | Phenanthrene-d10 | 15.00 |

| Hit# | of | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2-phenyl-               | 204 | C16H12  | 000612-94-2 | 94   |
| 2    |    | 5,16[1',2'] :8,13[1'',2'']-Dibenz... | 408 | C32H24  | 005672-97-9 | 78   |
| 3    |    | Naphthalene, 1-phenyl-               | 204 | C16H12  | 000605-02-7 | 64   |
| 4    |    | 3,4-Biphenyldicarbonitrile           | 204 | C14H8N2 | 004128-63-6 | 53   |
| 5    |    | Benzene, 1,1'-(1-buten-3-yne-1,4...  | 204 | C16H12  | 013141-45-2 | 53   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\  
Data File : BF095439.D  
Acq On : 25 May 2017 23:36  
Operator : SJ/MA  
Sample : I3200-04 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

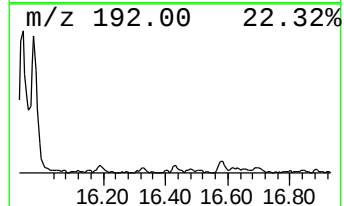
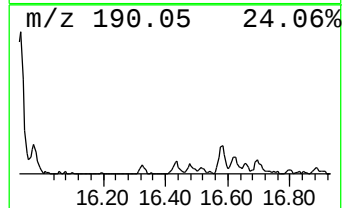
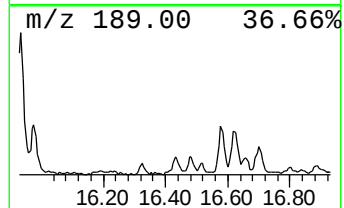
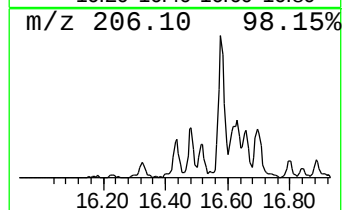
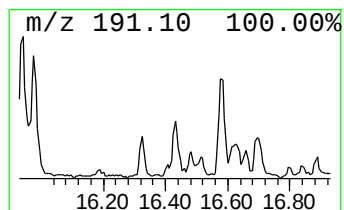
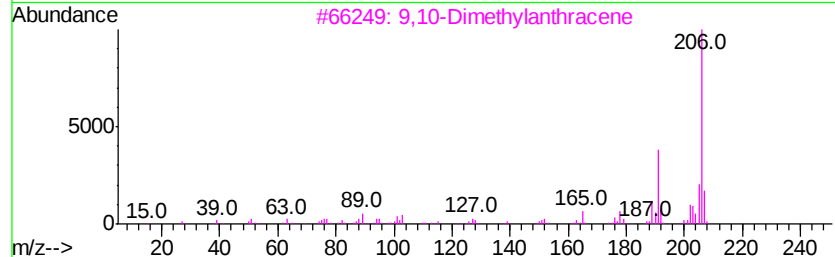
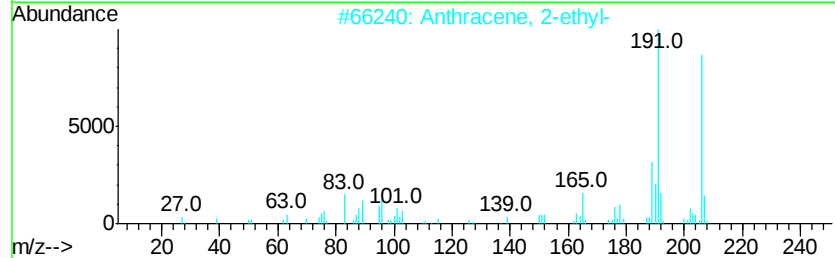
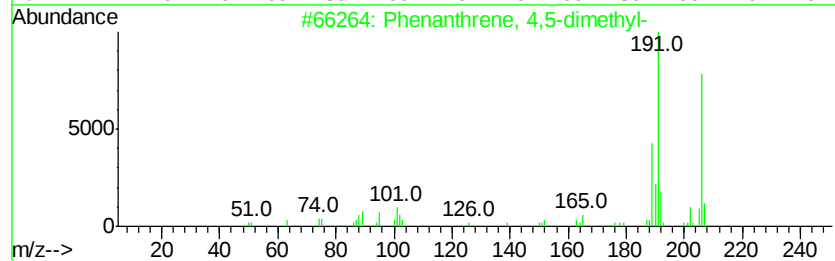
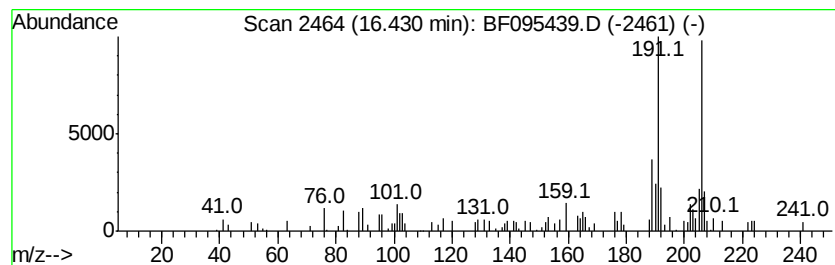
Instrument :  
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ClientSampleId :  
POST-EX-DUP2-20170517

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Phenanthrene, 4,5-dimethyl- Concentration Rank 17

| R.T.      | EstConc                     | Area  | Relative to ISTD |             | R.T.  |
|-----------|-----------------------------|-------|------------------|-------------|-------|
| 16.43     | 2.35 ng                     | 68145 | Phenanthrene-d10 |             | 15.00 |
| Hit# of 5 | Tentative ID                | MW    | MolForm          | CAS#        | Qual  |
| 1         | Phenanthrene, 4,5-dimethyl- | 206   | C16H14           | 003674-69-9 | 95    |
| 2         | Anthracene, 2-ethyl-        | 206   | C16H14           | 052251-71-5 | 93    |
| 3         | 9,10-Dimethylanthracene     | 206   | C16H14           | 000781-43-1 | 93    |
| 4         | 1-Methyl-3-phenyl-1H-indene | 206   | C16H14           | 022360-62-9 | 93    |
| 5         | Phenanthrene, 2,5-dimethyl- | 206   | C16H14           | 003674-66-6 | 92    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052517\  
Data File : BF095439.D  
Acq On : 25 May 2017 23:36  
Operator : SJ/MA  
Sample : I3200-04 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

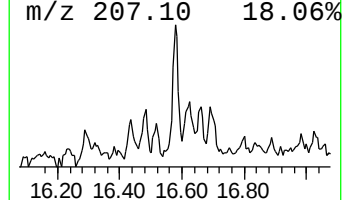
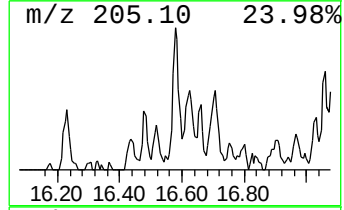
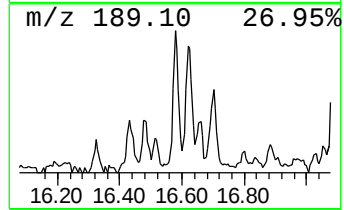
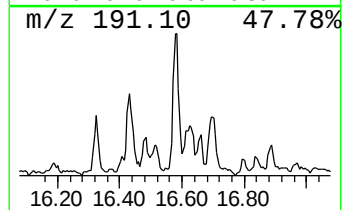
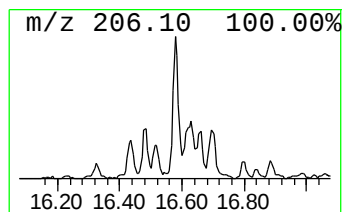
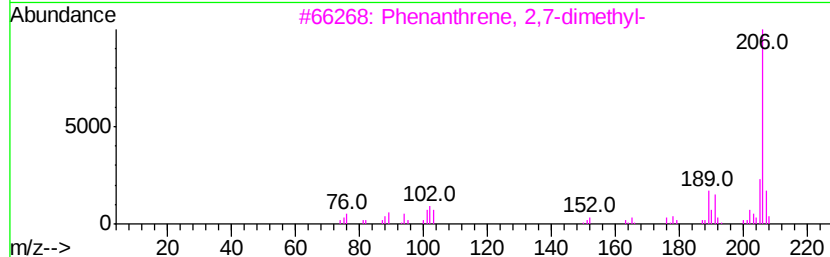
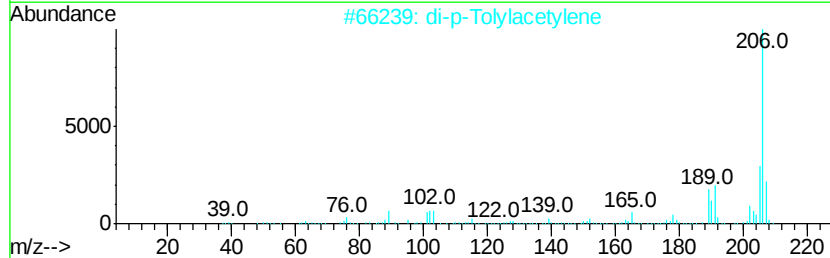
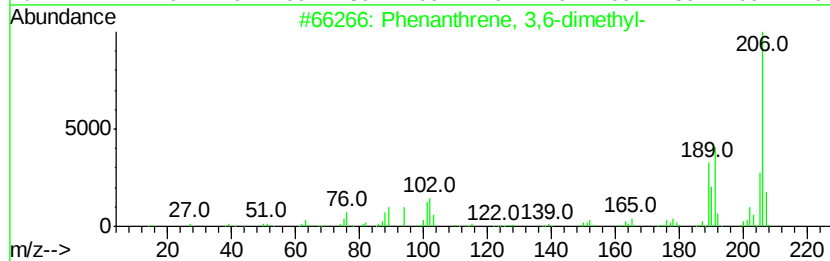
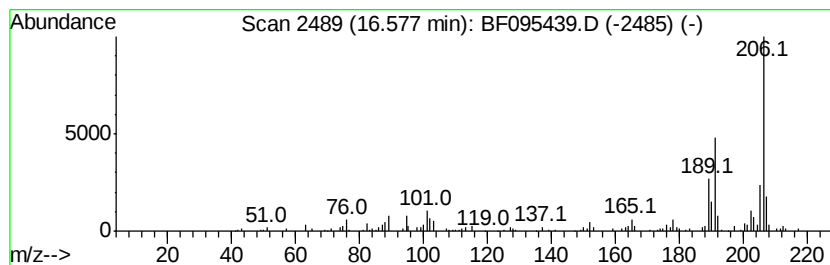
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ClientSampleId :  
POST-EX-DUP2-20170517

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Phenanthrene, 3,6-dimethyl- Concentration Rank 6

| R.T.      | EstConc                     | Area   | Relative to ISTD |             | R.T.  |
|-----------|-----------------------------|--------|------------------|-------------|-------|
| 16.58     | 6.20 ng                     | 179799 | Phenanthrene-d10 |             | 15.00 |
| Hit# of 5 | Tentative ID                | MW     | MolForm          | CAS#        | Qual  |
| 1         | Phenanthrene, 3,6-dimethyl- | 206    | C16H14           | 001576-67-6 | 94    |
| 2         | di-p-Tolylacetylene         | 206    | C16H14           | 002789-88-0 | 93    |
| 3         | Phenanthrene, 2,7-dimethyl- | 206    | C16H14           | 001576-69-8 | 93    |
| 4         | Phenanthrene, 2,5-dimethyl- | 206    | C16H14           | 003674-66-6 | 93    |
| 5         | Phenanthrene, 1,7-dimethyl- | 206    | C16H14           | 000483-87-4 | 93    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052517\  
Data File : BF095439.D  
Acq On : 25 May 2017 23:36  
Operator : SJ/MA  
Sample : I3200-04 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-DUP2-20170517

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

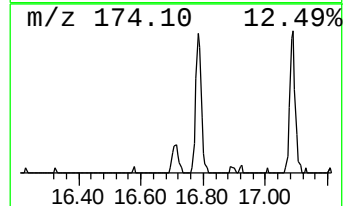
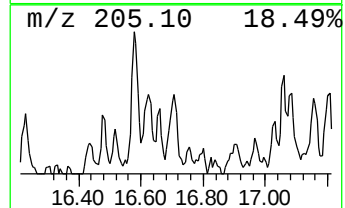
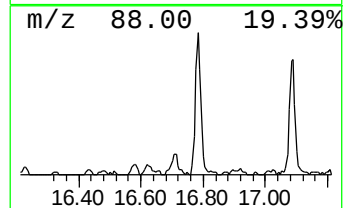
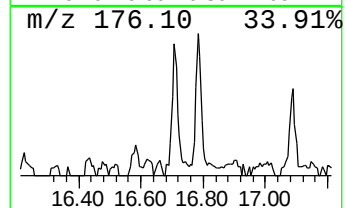
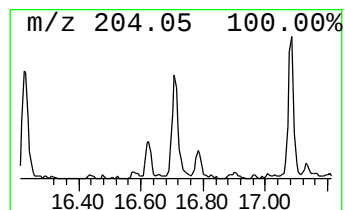
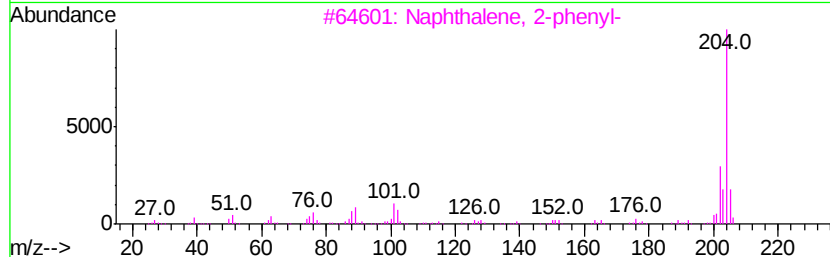
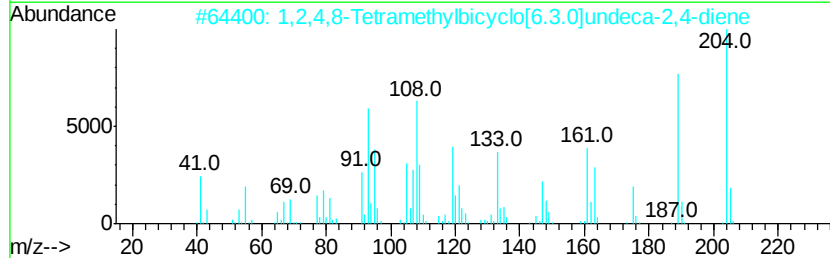
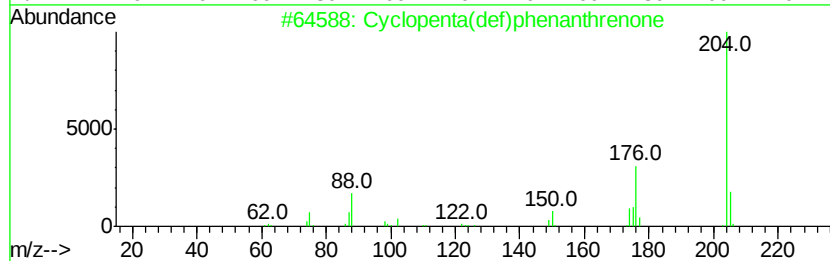
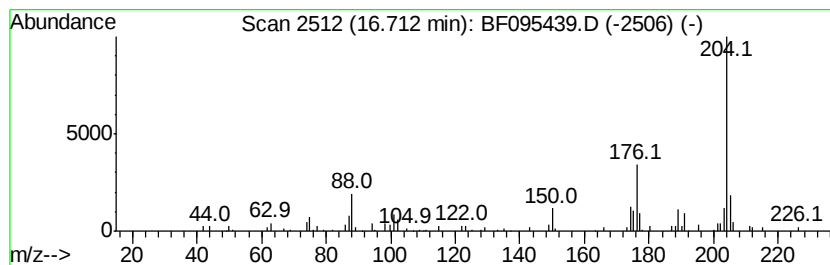
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.71 | 4.19 ng | 121502 | Phenanthrene-d10 | 15.00 |

| Hit# | of | Tentative ID                                      | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Cyclopenta(def)phenanthrenone                     | 204 | C15H8O   | 005737-13-3 | 93   |
| 2    |    | 1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene | 204 | C15H24   | 137235-51-9 | 55   |
| 3    |    | Naphthalene, 2-phenyl-                            | 204 | C16H12   | 000612-94-2 | 49   |
| 4    |    | [1,1'-Biphenyl]-4,4'-dicarbonitrile               | 204 | C14H8N2  | 001591-30-6 | 49   |
| 5    |    | Benzene, 1-chloro-3-phenoxy-                      | 204 | C12H9ClO | 006452-49-9 | 47   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\  
Data File : BF095439.D  
Acq On : 25 May 2017 23:36  
Operator : SJ/MA  
Sample : I3200-04 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-DUP2-20170517

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

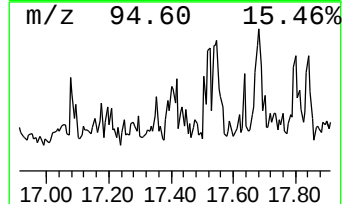
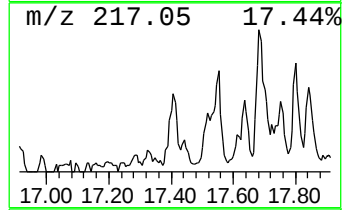
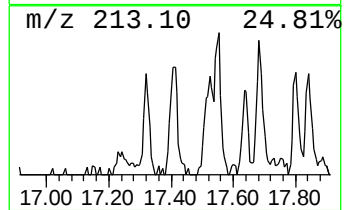
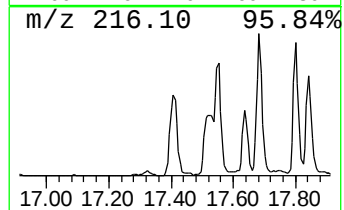
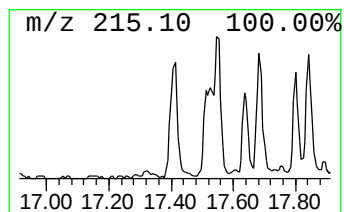
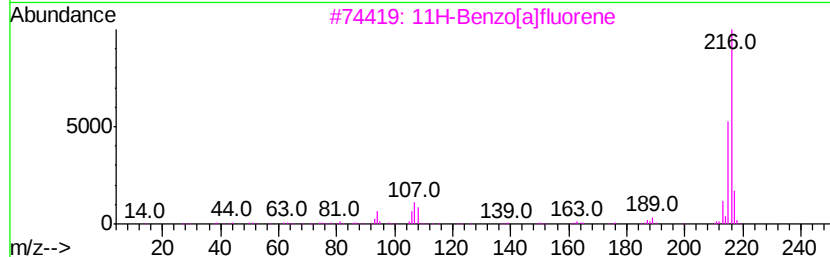
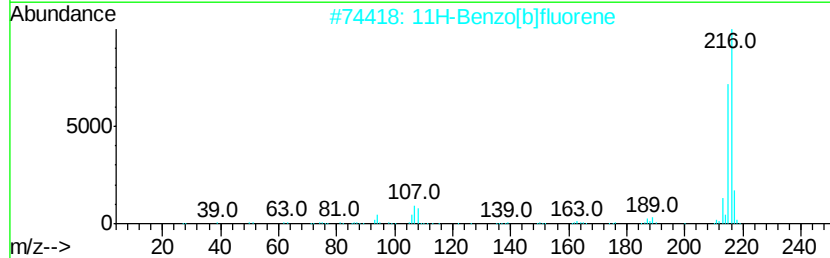
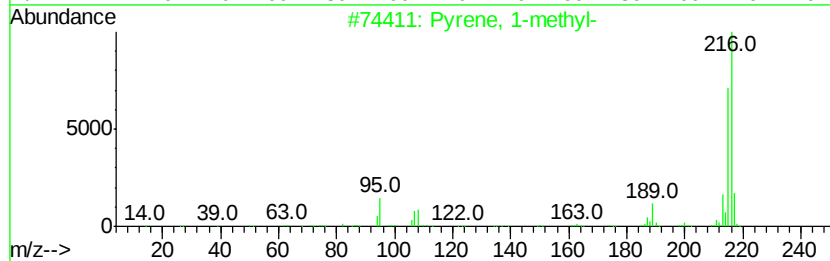
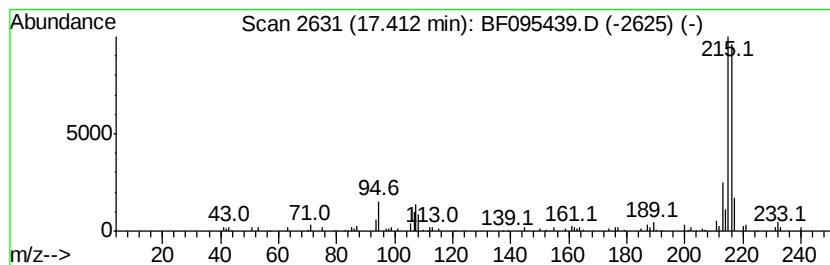
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 19

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 17.41 | 2.16 ng | 116008 | Chrysene-d12     | 18.68 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 91   |
| 2    |    | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 83   |
| 3    |    | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 68   |
| 4    |    | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 64   |
| 5    |    | Pyrene, 2-methyl-       | 216 | C17H12  | 003442-78-2 | 62   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\  
Data File : BF095439.D  
Acq On : 25 May 2017 23:36  
Operator : SJ/MA  
Sample : I3200-04 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-DUP2-20170517

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

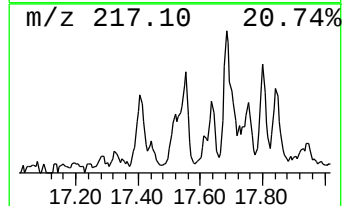
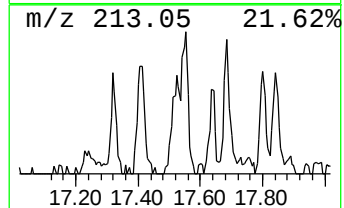
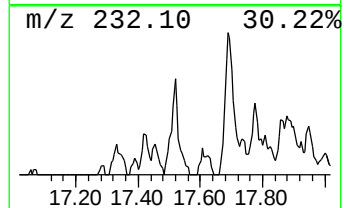
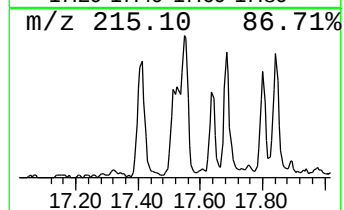
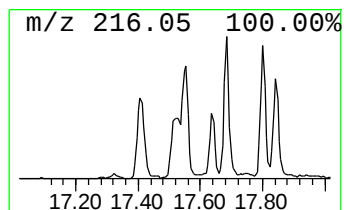
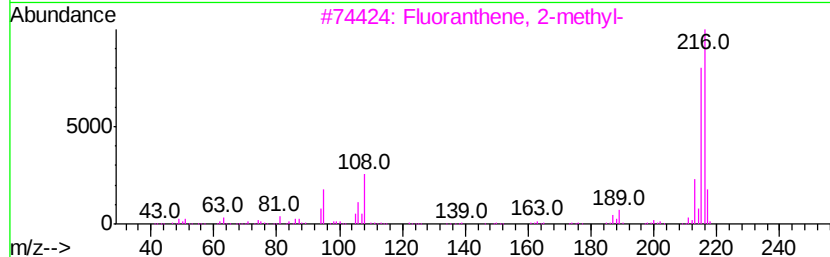
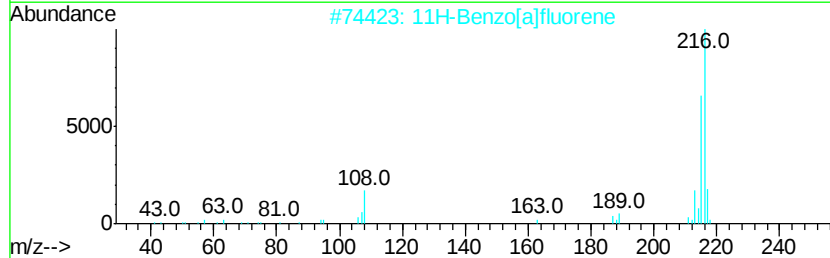
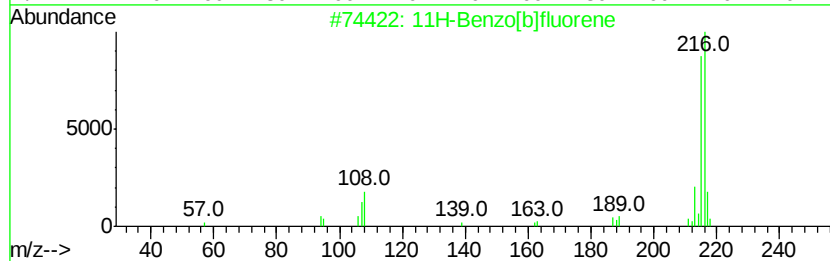
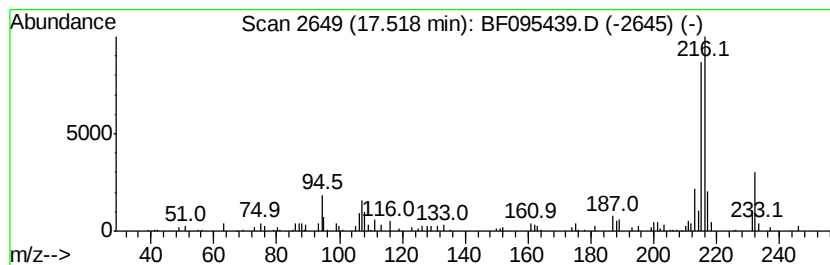
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 20

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 17.52 | 2.03 ng | 109135 | Chrysene-d12     | 18.68 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 86   |
| 2    |    | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 64   |
| 3    |    | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 58   |
| 4    |    | 7H-Benzo[c]fluorene     | 216 | C17H12  | 000205-12-9 | 58   |
| 5    |    | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 58   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\  
Data File : BF095439.D  
Acq On : 25 May 2017 23:36  
Operator : SJ/MA  
Sample : I3200-04 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-DUP2-20170517

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

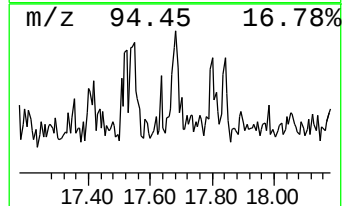
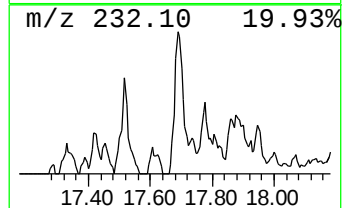
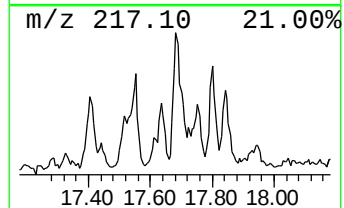
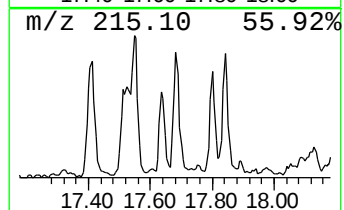
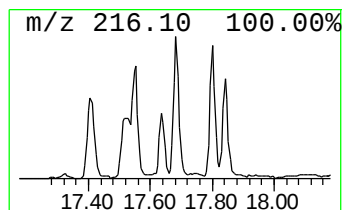
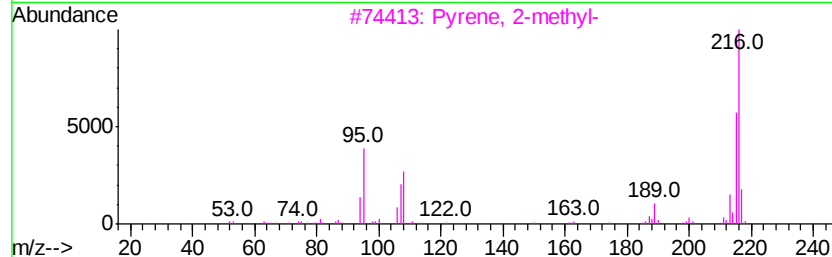
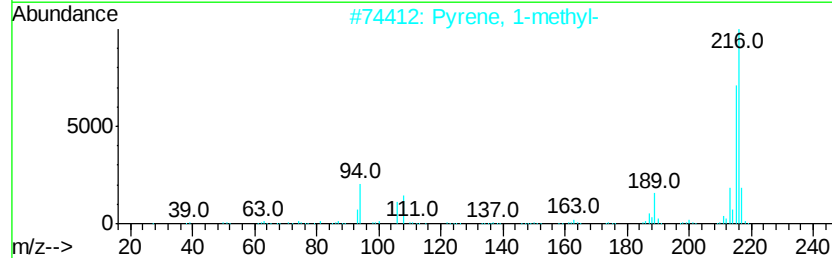
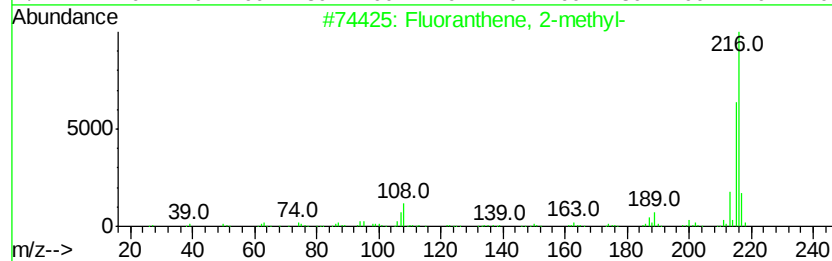
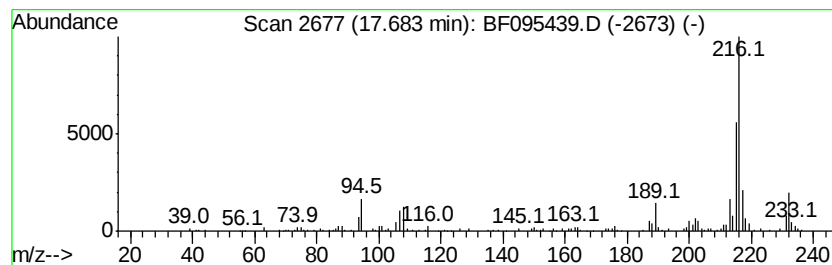
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 17.68 | 4.99 ng | 268699 | Chrysene-d12     | 18.68 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 95   |
| 2    |    |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 95   |
| 3    |    |   | Pyrene, 2-methyl-       | 216 | C17H12  | 003442-78-2 | 90   |
| 4    |    |   | 11H-Benzo[alfluorene    | 216 | C17H12  | 000238-84-6 | 83   |
| 5    |    |   | Pyrene, 4-methyl-       | 216 | C17H12  | 003353-12-6 | 76   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052517\  
Data File : BF095439.D  
Acq On : 25 May 2017 23:36  
Operator : SJ/MA  
Sample : I3200-04 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-DUP2-20170517

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

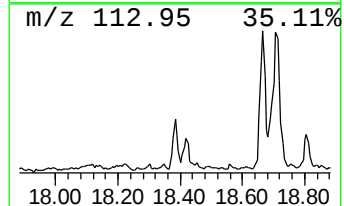
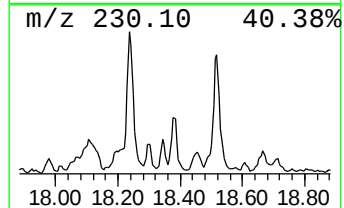
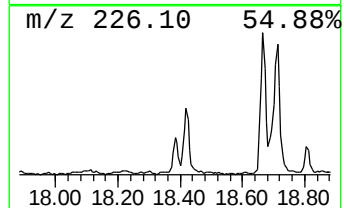
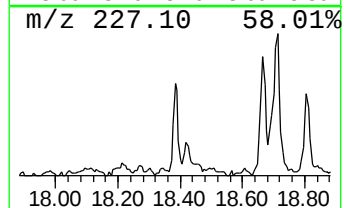
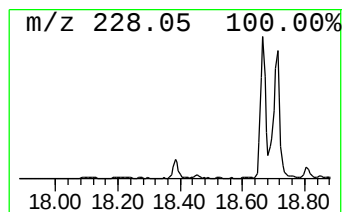
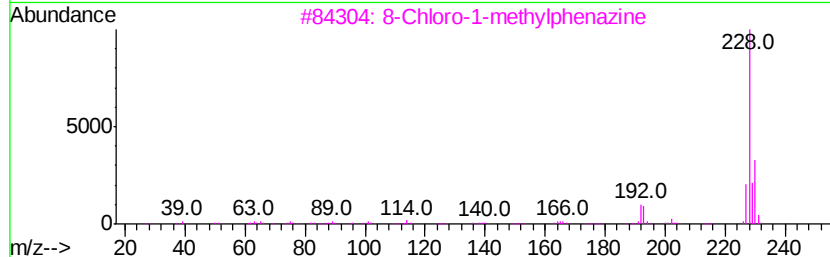
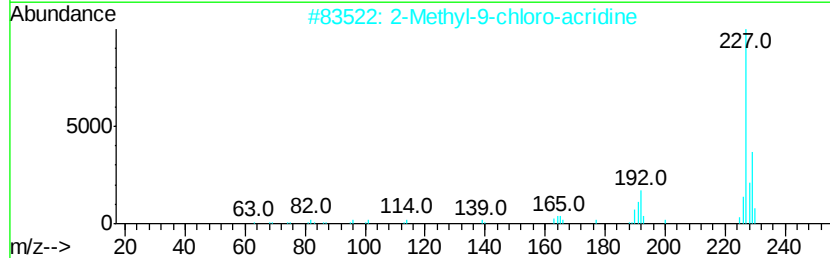
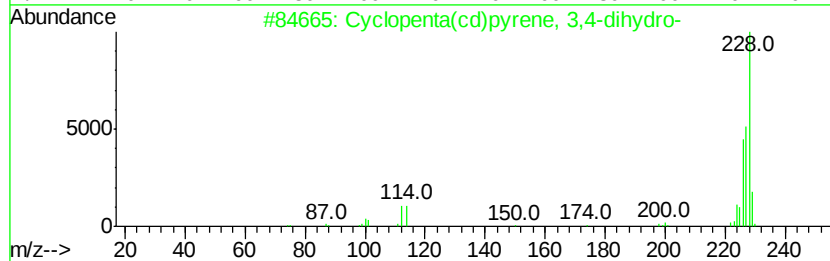
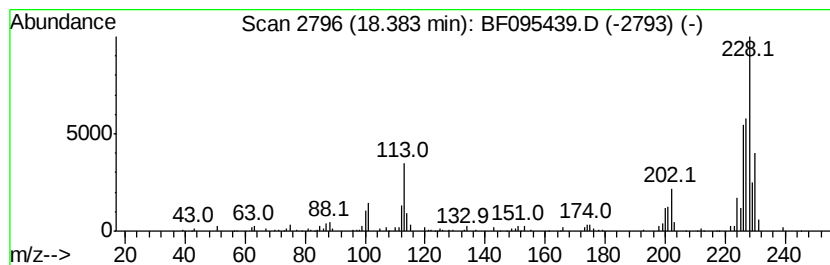
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 18

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 18.38 | 2.16 ng | 116338 | Chrysene-d12     | 18.68 |

| Hit# | of | Tentative ID                       | MW  | MolForm   | CAS#        | Qual |
|------|----|------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Cyclopenta(cd)pyrene, 3,4-dihydro- | 228 | C18H12    | 025732-74-5 | 50   |
| 2    |    | 2-Methyl-9-chloro-acridine         | 227 | C14H10ClN | 016492-09-4 | 47   |
| 3    |    | 8-Chloro-1-methylphenazine         | 228 | C13H9ClN2 | 029453-82-5 | 46   |
| 4    |    | Triphenylene                       | 228 | C18H12    | 000217-59-4 | 45   |
| 5    |    | Chrysene                           | 228 | C18H12    | 000218-01-9 | 45   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\  
Data File : BF095439.D  
Acq On : 25 May 2017 23:36  
Operator : SJ/MA  
Sample : I3200-04 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-DUP2-20170517

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

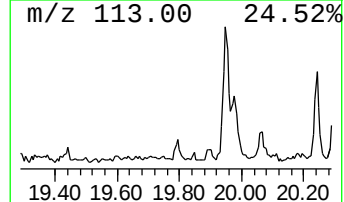
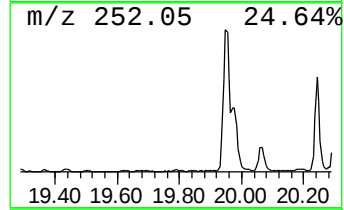
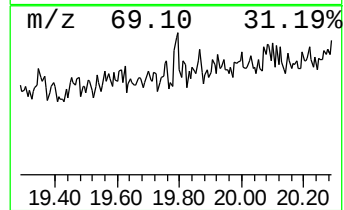
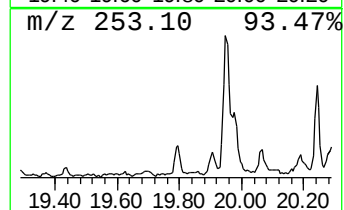
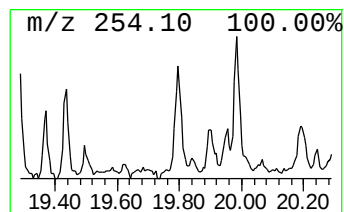
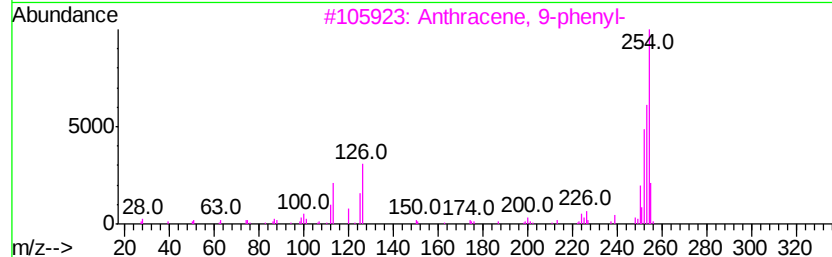
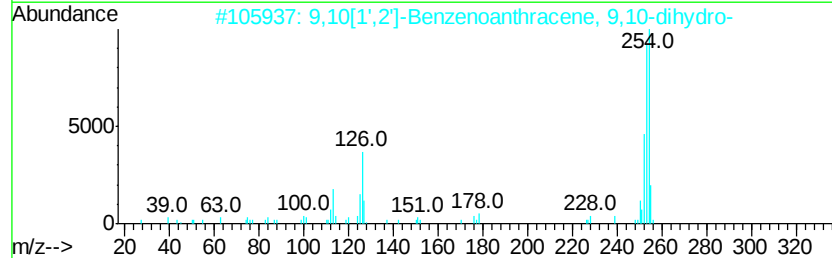
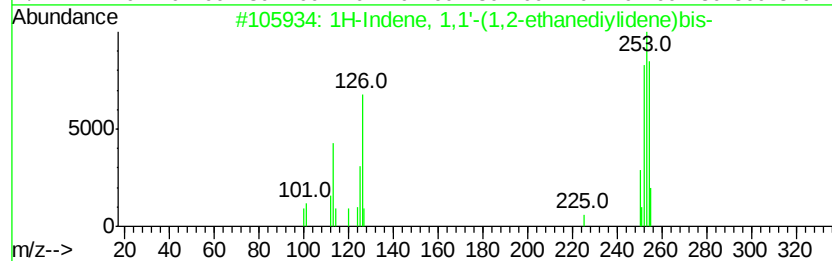
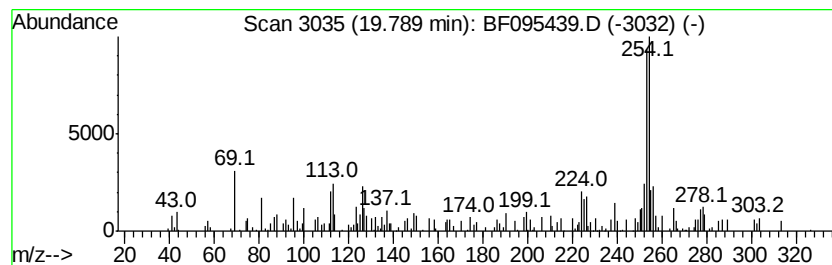
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 1H-Indene, 1,1'-(1,2-ethane... Concentration Rank 12

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 19.79 | 4.72 ng | 90745 | Perylene-d12     | 20.36 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1H-Indene, 1,1'-(1,2-ethanedivli... | 254 | C20H14  | 072088-04-1 | 81   |
| 2    |    | 9,10[1',2']-Benzenoanthracene, 9... | 254 | C20H14  | 000477-75-8 | 81   |
| 3    |    | Anthracene, 9-phenyl-               | 254 | C20H14  | 000602-55-1 | 80   |
| 4    |    | 1,2'-Binaphthalene                  | 254 | C20H14  | 004325-74-0 | 72   |
| 5    |    | Benzo[a]pyrene, 4,5-dihydro-        | 254 | C20H14  | 057652-66-1 | 72   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052517\  
Data File : BF095439.D  
Acq On : 25 May 2017 23:36  
Operator : SJ/MA  
Sample : I3200-04 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

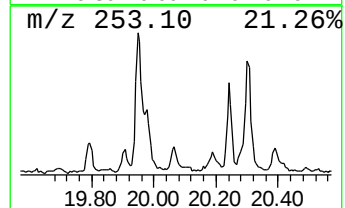
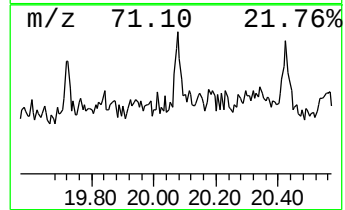
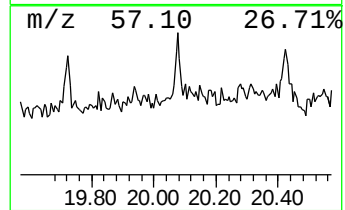
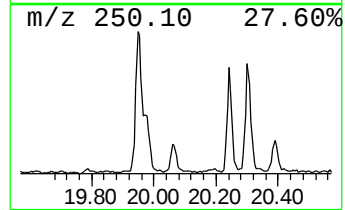
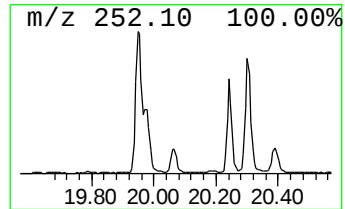
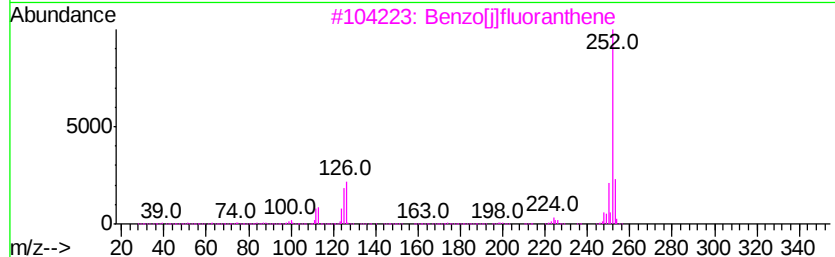
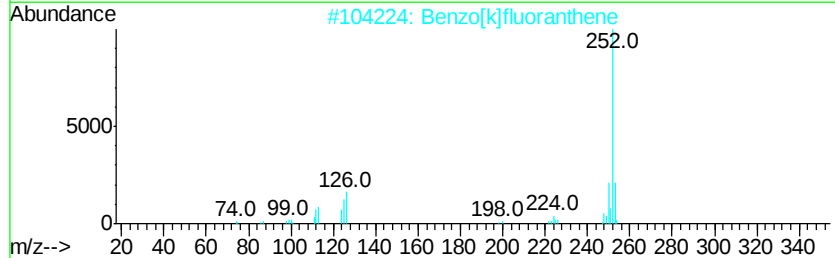
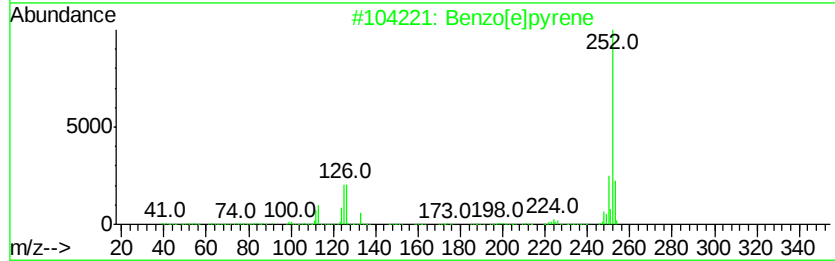
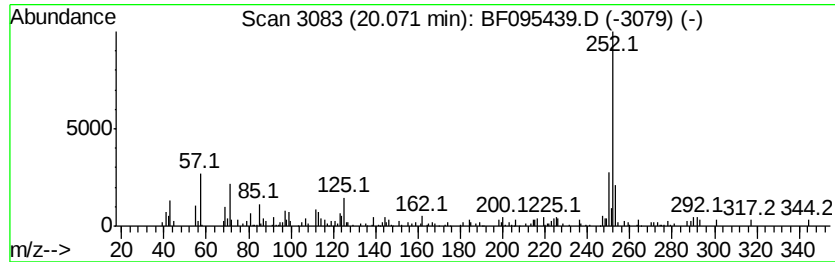
Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-DUP2-20170517

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 Benzo[e]pyrene Concentration Rank 11

| R.T.    | EstConc | Area                      | Relative to ISTD | R.T.           |
|---------|---------|---------------------------|------------------|----------------|
| 20.07   | 4.99 ng | 95806                     | Perylene-d12     | 20.36          |
| Hit# of | 5       | Tentative ID              | MW MolForm       | CAS# Qual      |
| 1       |         | Benzo[e]pyrene            | 252 C20H12       | 000192-97-2 95 |
| 2       |         | Benzo[k]fluoranthene      | 252 C20H12       | 000207-08-9 93 |
| 3       |         | Benzo[i]fluoranthene      | 252 C20H12       | 000205-82-3 93 |
| 4       |         | Benzo[e]acephenanthrylene | 252 C20H12       | 000205-99-2 89 |
| 5       |         | Perylene                  | 252 C20H12       | 000198-55-0 89 |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052517\  
Data File : BF095439.D  
Acq On : 25 May 2017 23:36  
Operator : SJ/MA  
Sample : I3200-04 2X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-DUP2-20170517

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

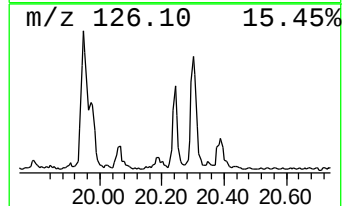
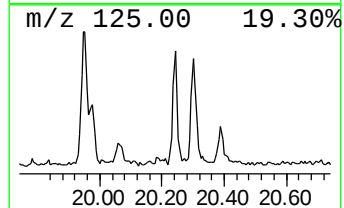
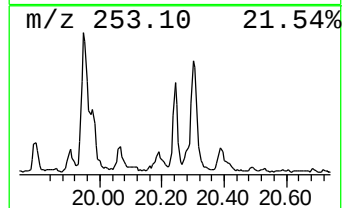
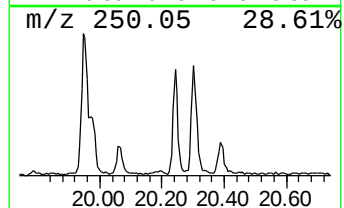
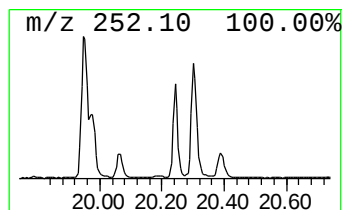
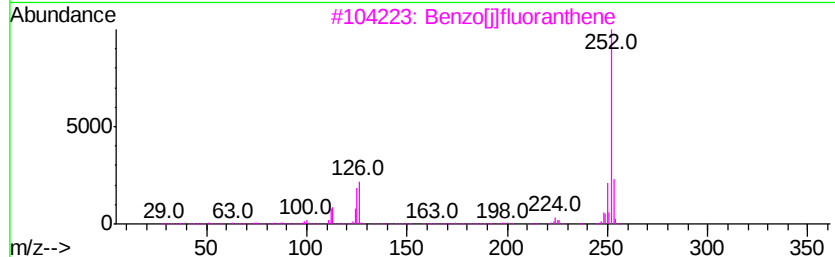
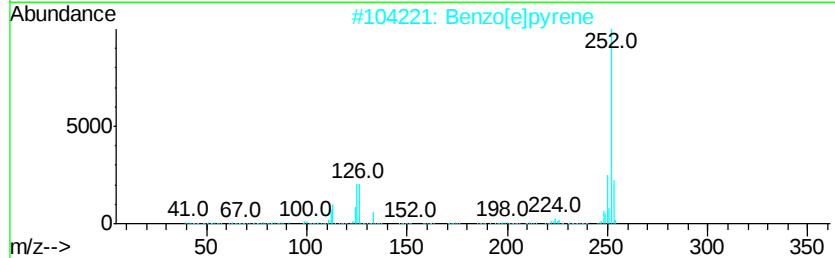
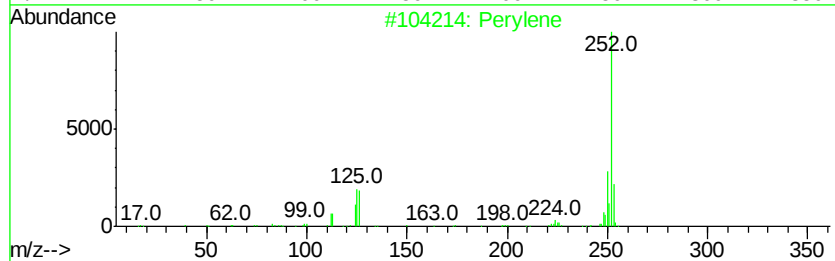
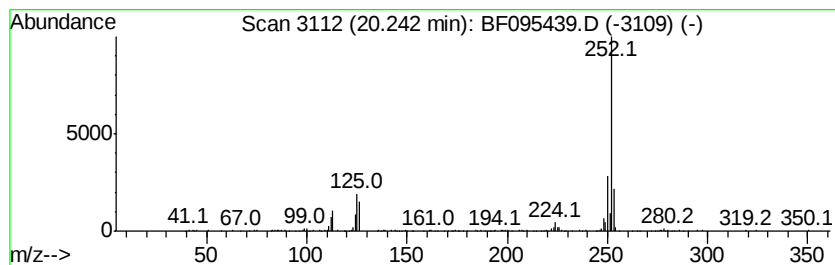
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Perylene Concentration Rank 3

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 20.24 | 10.77 ng | 206999 | Perylene-d12     | 20.36 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Perylene                  | 252 | C20H12  | 000198-55-0 | 99   |
| 2    |    | Benzo[e]pyrene            | 252 | C20H12  | 000192-97-2 | 98   |
| 3    |    | Benzo[i]fluoranthene      | 252 | C20H12  | 000205-82-3 | 97   |
| 4    |    | Benzo[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 96   |
| 5    |    | Benzo[a]pyrene            | 252 | C20H12  | 000050-32-8 | 95   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052517\  
 Data File : BF095439.D  
 Acq On : 25 May 2017 23:36  
 Operator : SJ/MA  
 Sample : I3200-04 2X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 POST-EX-DUP2-20170517

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pentanone, 4-hy... | 5.08  | 6.0     | ng    | 161440   | 1                     | 7.74  | 534231  | 20.0 |
| unknown7.41          | 7.41  | 52.3    | ng    | 1395640  | 1                     | 7.74  | 534231  | 20.0 |
| Phenanthrene, 2-m... | 15.78 | 5.3     | ng    | 153946   | 4                     | 15.00 | 580115  | 20.0 |
| Phenanthrene, 1-m... | 15.83 | 6.3     | ng    | 181431   | 4                     | 15.00 | 580115  | 20.0 |
| unknown15.94         | 15.94 | 9.0     | ng    | 260452   | 4                     | 15.00 | 580115  | 20.0 |
| Naphthalene, 2-ph... | 16.22 | 2.8     | ng    | 79666    | 4                     | 15.00 | 580115  | 20.0 |
| Phenanthrene, 4,5... | 16.43 | 2.4     | ng    | 68145    | 4                     | 15.00 | 580115  | 20.0 |
| Phenanthrene, 3,6... | 16.58 | 6.2     | ng    | 179799   | 4                     | 15.00 | 580115  | 20.0 |
| Cyclopenta(def)ph... | 16.71 | 4.2     | ng    | 121502   | 4                     | 15.00 | 580115  | 20.0 |
| Pyrene, 1-methyl-    | 17.41 | 2.2     | ng    | 116008   | 5                     | 18.68 | 1076420 | 20.0 |
| 11H-Benzo[b]fluorene | 17.52 | 2.0     | ng    | 109135   | 5                     | 18.68 | 1076420 | 20.0 |
| Fluoranthene, 2-m... | 17.68 | 5.0     | ng    | 268699   | 5                     | 18.68 | 1076420 | 20.0 |
| Cyclopenta(cd)pyr... | 18.38 | 2.2     | ng    | 116338   | 5                     | 18.68 | 1076420 | 20.0 |
| 1H-Indene, 1,1'-(... | 19.79 | 4.7     | ng    | 90745    | 6                     | 20.36 | 384307  | 20.0 |
| Benzo[e]pyrene       | 20.07 | 5.0     | ng    | 95806    | 6                     | 20.36 | 384307  | 20.0 |
| Perylene             | 20.24 | 10.8    | ng    | 206999   | 6                     | 20.36 | 384307  | 20.0 |