

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080215\  
 Data File : BM002183.D  
 Acq On : 02 Aug 2015 23:42  
 Operator : TP  
 Sample : G3095-05  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C01R4

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0.1 % 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\_M\METHODS\SOM02.2-EPA-BM072715.M  
 Title : SVOA 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         | 6.745       | 684           | 690         | 699          | rBB      | 132645         | 203109        | 8.62%           | 0.895%        |
| 2         | 6.898       | 710           | 716         | 723          | rBB      | 98928          | 145814        | 6.19%           | 0.643%        |
| 3         | 7.092       | 743           | 749         | 757          | rBB      | 134975         | 208331        | 8.84%           | 0.918%        |
| 4         | 7.557       | 821           | 828         | 835          | rBB      | 338085         | 518021        | 21.97%          | 2.283%        |
| 5         | 8.281       | 945           | 951         | 959          | rBB      | 162689         | 245401        | 10.41%          | 1.082%        |
| 6         | 8.722       | 1019          | 1026        | 1033         | rBB      | 125134         | 204386        | 8.67%           | 0.901%        |
| 7         | 9.439       | 1142          | 1148        | 1154         | rBB      | 113004         | 179181        | 7.60%           | 0.790%        |
| 8         | 9.980       | 1234          | 1240        | 1249         | rBB      | 178797         | 290269        | 12.31%          | 1.280%        |
| 9         | 10.345      | 1295          | 1302        | 1308         | rBV      | 494186         | 810415        | 34.38%          | 3.572%        |
| 10        | 10.392      | 1308          | 1310        | 1316         | rVB      | 9313           | 12851         | 0.55%           | 0.057%        |
| 11        | 10.492      | 1321          | 1327        | 1335         | rBV      | 111722         | 178297        | 7.56%           | 0.786%        |
| 12        | 12.021      | 1583          | 1587        | 1591         | rBB      | 5293           | 7124          | 0.30%           | 0.031%        |
| 13        | 12.816      | 1719          | 1722        | 1726         | rBB      | 7517           | 9733          | 0.41%           | 0.043%        |
| 14        | 13.539      | 1841          | 1845        | 1850         | rBB      | 5051           | 7781          | 0.33%           | 0.034%        |
| 15        | 13.639      | 1857          | 1862        | 1866         | rVV      | 314576         | 432434        | 18.34%          | 1.906%        |
| 16        | 13.686      | 1866          | 1870        | 1877         | rVB      | 120303         | 154927        | 6.57%           | 0.683%        |
| 17        | 13.915      | 1903          | 1909        | 1921         | rVB      | 321453         | 491795        | 20.86%          | 2.168%        |
| 18        | 14.227      | 1955          | 1962        | 1969         | rBV2     | 759386         | 1121060       | 47.55%          | 4.942%        |
| 19        | 14.292      | 1969          | 1973        | 1979         | rVB      | 25380          | 36857         | 1.56%           | 0.162%        |
| 20        | 14.468      | 1998          | 2003        | 2012         | rBV      | 78848          | 121201        | 5.14%           | 0.534%        |
| 21        | 14.627      | 2024          | 2030        | 2033         | rBV2     | 14923          | 22540         | 0.96%           | 0.099%        |
| 22        | 15.015      | 2090          | 2096        | 2100         | rBV4     | 3766           | 7999          | 0.34%           | 0.035%        |
| 23        | 15.227      | 2123          | 2132        | 2137         | rBV      | 393782         | 560040        | 23.76%          | 2.469%        |
| 24        | 15.280      | 2137          | 2141        | 2149         | rVB2     | 34195          | 50842         | 2.16%           | 0.224%        |
| 25        | 15.374      | 2153          | 2157        | 2160         | rBV      | 27543          | 35648         | 1.51%           | 0.157%        |
| 26        | 15.404      | 2160          | 2162        | 2165         | rVV2     | 7955           | 9577          | 0.41%           | 0.042%        |
| 27        | 15.451      | 2165          | 2170        | 2174         | rVV      | 94962          | 121496        | 5.15%           | 0.536%        |
| 28        | 15.492      | 2174          | 2177        | 2180         | rVV3     | 5876           | 7707          | 0.33%           | 0.034%        |
| 29        | 15.574      | 2187          | 2191        | 2197         | rVB3     | 7923           | 12681         | 0.54%           | 0.056%        |
| 30        | 15.721      | 2213          | 2216        | 2222         | rVV2     | 7430           | 13893         | 0.59%           | 0.061%        |
| 31        | 15.962      | 2249          | 2257        | 2262         | rBV4     | 9833           | 23074         | 0.98%           | 0.102%        |
| 32        | 16.286      | 2305          | 2312        | 2316         | rVV4     | 11732          | 26004         | 1.10%           | 0.115%        |
| 33        | 16.333      | 2318          | 2320        | 2326         | rVB4     | 12308          | 17046         | 0.72%           | 0.075%        |
| 34        | 16.404      | 2326          | 2332        | 2335         | rBV4     | 5223           | 13585         | 0.58%           | 0.060%        |

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 Stop Thrs : 0

Filtering: 5  
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 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072715.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 16.433 | 2335 | 2337 | 2343 | rVV4 | 8252   | 10578   | 0.45%  | 0.047% |
| 36 | 16.509 | 2348 | 2350 | 2353 | rVV4 | 5256   | 7200    | 0.31%  | 0.032% |
| 37 | 16.556 | 2353 | 2358 | 2361 | rVV5 | 10073  | 16752   | 0.71%  | 0.074% |
| 38 | 16.639 | 2367 | 2372 | 2377 | rVB  | 30011  | 41735   | 1.77%  | 0.184% |
| 39 | 16.733 | 2377 | 2388 | 2393 | rBV7 | 15277  | 35495   | 1.51%  | 0.156% |
| 40 | 16.798 | 2394 | 2399 | 2407 | rVB  | 40931  | 61203   | 2.60%  | 0.270% |
| 41 | 16.980 | 2424 | 2430 | 2434 | rBV2 | 942861 | 1394327 | 59.14% | 6.146% |
| 42 | 17.021 | 2434 | 2437 | 2442 | rVV  | 591103 | 776557  | 32.94% | 3.423% |
| 43 | 17.080 | 2442 | 2447 | 2450 | rVV  | 446360 | 628499  | 26.66% | 2.770% |
| 44 | 17.109 | 2450 | 2452 | 2458 | rVB  | 115773 | 143182  | 6.07%  | 0.631% |
| 45 | 17.174 | 2458 | 2463 | 2467 | rBV5 | 9656   | 21064   | 0.89%  | 0.093% |
| 46 | 17.292 | 2481 | 2483 | 2488 | rVB4 | 6494   | 9806    | 0.42%  | 0.043% |
| 47 | 17.392 | 2490 | 2500 | 2507 | rBV2 | 43119  | 104641  | 4.44%  | 0.461% |
| 48 | 17.498 | 2515 | 2518 | 2523 | rVV2 | 16845  | 22149   | 0.94%  | 0.098% |
| 49 | 17.562 | 2524 | 2529 | 2538 | rVB3 | 33175  | 59802   | 2.54%  | 0.264% |
| 50 | 17.698 | 2549 | 2552 | 2559 | rVB2 | 17842  | 29259   | 1.24%  | 0.129% |
| 51 | 17.780 | 2562 | 2566 | 2569 | rBV2 | 11929  | 16254   | 0.69%  | 0.072% |
| 52 | 17.856 | 2573 | 2579 | 2583 | rVV  | 107087 | 168345  | 7.14%  | 0.742% |
| 53 | 17.903 | 2583 | 2587 | 2592 | rVB  | 133894 | 184343  | 7.82%  | 0.813% |
| 54 | 17.945 | 2592 | 2594 | 2597 | rBV  | 13783  | 15436   | 0.65%  | 0.068% |
| 55 | 17.986 | 2597 | 2601 | 2605 | rVB  | 39808  | 55719   | 2.36%  | 0.246% |
| 56 | 18.045 | 2605 | 2611 | 2615 | rBV2 | 157966 | 285614  | 12.12% | 1.259% |
| 57 | 18.086 | 2615 | 2618 | 2625 | rVB  | 80834  | 119468  | 5.07%  | 0.527% |
| 58 | 18.168 | 2628 | 2632 | 2635 | rBV5 | 11625  | 15685   | 0.67%  | 0.069% |
| 59 | 18.215 | 2635 | 2640 | 2643 | rVB6 | 10212  | 16100   | 0.68%  | 0.071% |
| 60 | 18.250 | 2643 | 2646 | 2651 | rBV2 | 17608  | 25051   | 1.06%  | 0.110% |
| 61 | 18.303 | 2651 | 2655 | 2658 | rBV3 | 45391  | 62201   | 2.64%  | 0.274% |
| 62 | 18.356 | 2660 | 2664 | 2669 | rVV  | 74091  | 109636  | 4.65%  | 0.483% |
| 63 | 18.409 | 2669 | 2673 | 2677 | rVB2 | 53879  | 77207   | 3.27%  | 0.340% |
| 64 | 18.486 | 2682 | 2686 | 2688 | rBV  | 13513  | 16176   | 0.69%  | 0.071% |
| 65 | 18.580 | 2699 | 2702 | 2703 | rBV3 | 12399  | 12225   | 0.52%  | 0.054% |
| 66 | 18.609 | 2703 | 2707 | 2712 | rVV2 | 32738  | 55312   | 2.35%  | 0.244% |
| 67 | 18.656 | 2712 | 2715 | 2719 | rVV  | 31568  | 38101   | 1.62%  | 0.168% |
| 68 | 18.697 | 2719 | 2722 | 2726 | rVB3 | 24114  | 29726   | 1.26%  | 0.131% |
| 69 | 18.780 | 2731 | 2736 | 2740 | rBV  | 78510  | 135299  | 5.74%  | 0.596% |
| 70 | 18.874 | 2750 | 2752 | 2755 | rVB2 | 16100  | 13332   | 0.57%  | 0.059% |
| 71 | 18.927 | 2755 | 2761 | 2768 | rBV4 | 55934  | 108107  | 4.59%  | 0.477% |

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ClientSampleId :  
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Min Area: 0.1 % of largest Peak  
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Peak Location: TOP

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Peak separation: 5

Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072715.M  
Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |         |         |
|-----|--------|------|------|------|------|---------|---------|---------|---------|
| 72  | 19.050 | 2776 | 2782 | 2787 | rBV  | 870245  | 1205577 | 51.14%  | 5.314%  |
| 73  | 19.115 | 2789 | 2793 | 2795 | rBV  | 27216   | 39184   | 1.66%   | 0.173%  |
| 74  | 19.145 | 2795 | 2798 | 2802 | rVB4 | 26418   | 33466   | 1.42%   | 0.148%  |
| 75  | 19.192 | 2802 | 2806 | 2811 | rVB3 | 46254   | 70237   | 2.98%   | 0.310%  |
| 76  | 19.256 | 2813 | 2817 | 2819 | rBV2 | 24794   | 37033   | 1.57%   | 0.163%  |
| 77  | 19.292 | 2820 | 2823 | 2826 | rVB  | 43327   | 52258   | 2.22%   | 0.230%  |
| 78  | 19.386 | 2834 | 2839 | 2841 | rBV2 | 669618  | 914774  | 38.80%  | 4.032%  |
| 79  | 19.415 | 2841 | 2844 | 2852 | rVV  | 966401  | 1255477 | 53.25%  | 5.534%  |
| 80  | 19.486 | 2852 | 2856 | 2859 | rVV2 | 45248   | 74716   | 3.17%   | 0.329%  |
| 81  | 19.521 | 2859 | 2862 | 2867 | rVB  | 176816  | 238214  | 10.10%  | 1.050%  |
| 82  | 19.739 | 2895 | 2899 | 2906 | rBV3 | 64846   | 151025  | 6.41%   | 0.666%  |
| 83  | 19.909 | 2918 | 2928 | 2933 | rVB  | 134223  | 295304  | 12.53%  | 1.302%  |
| 84  | 20.009 | 2942 | 2945 | 2948 | rBV  | 81522   | 115842  | 4.91%   | 0.511%  |
| 85  | 20.074 | 2952 | 2956 | 2959 | rVB2 | 86311   | 119200  | 5.06%   | 0.525%  |
| 86  | 20.209 | 2976 | 2979 | 2983 | rBV  | 66284   | 77364   | 3.28%   | 0.341%  |
| 87  | 20.256 | 2984 | 2987 | 2991 | rVB  | 78397   | 96419   | 4.09%   | 0.425%  |
| 88  | 20.474 | 3020 | 3024 | 3027 | rBV  | 100087  | 130566  | 5.54%   | 0.576%  |
| 89  | 20.662 | 3053 | 3056 | 3062 | rVB  | 93110   | 123118  | 5.22%   | 0.543%  |
| 90  | 20.827 | 3081 | 3084 | 3087 | rVB2 | 93266   | 107088  | 4.54%   | 0.472%  |
| 91  | 20.868 | 3088 | 3091 | 3094 | rVV2 | 95837   | 121982  | 5.17%   | 0.538%  |
| 92  | 20.903 | 3094 | 3097 | 3102 | rVV2 | 90980   | 139299  | 5.91%   | 0.614%  |
| 93  | 20.962 | 3104 | 3107 | 3113 | rVB  | 88629   | 131419  | 5.57%   | 0.579%  |
| 94  | 21.180 | 3137 | 3144 | 3148 | rBV2 | 1330935 | 2357503 | 100.00% | 10.392% |
| 95  | 21.215 | 3148 | 3150 | 3161 | rVB  | 495254  | 660040  | 28.00%  | 2.910%  |
| 96  | 22.721 | 3401 | 3406 | 3411 | rBV  | 337700  | 732438  | 31.07%  | 3.229%  |
| 97  | 23.185 | 3482 | 3485 | 3489 | rVV  | 145391  | 183308  | 7.78%   | 0.808%  |
| 98  | 23.232 | 3489 | 3493 | 3497 | rVV  | 226005  | 349931  | 14.84%  | 1.543%  |
| 99  | 23.280 | 3497 | 3501 | 3510 | rVB  | 316822  | 558247  | 23.68%  | 2.461%  |
| 100 | 23.374 | 3512 | 3517 | 3523 | rBV  | 607015  | 1091739 | 46.31%  | 4.813%  |

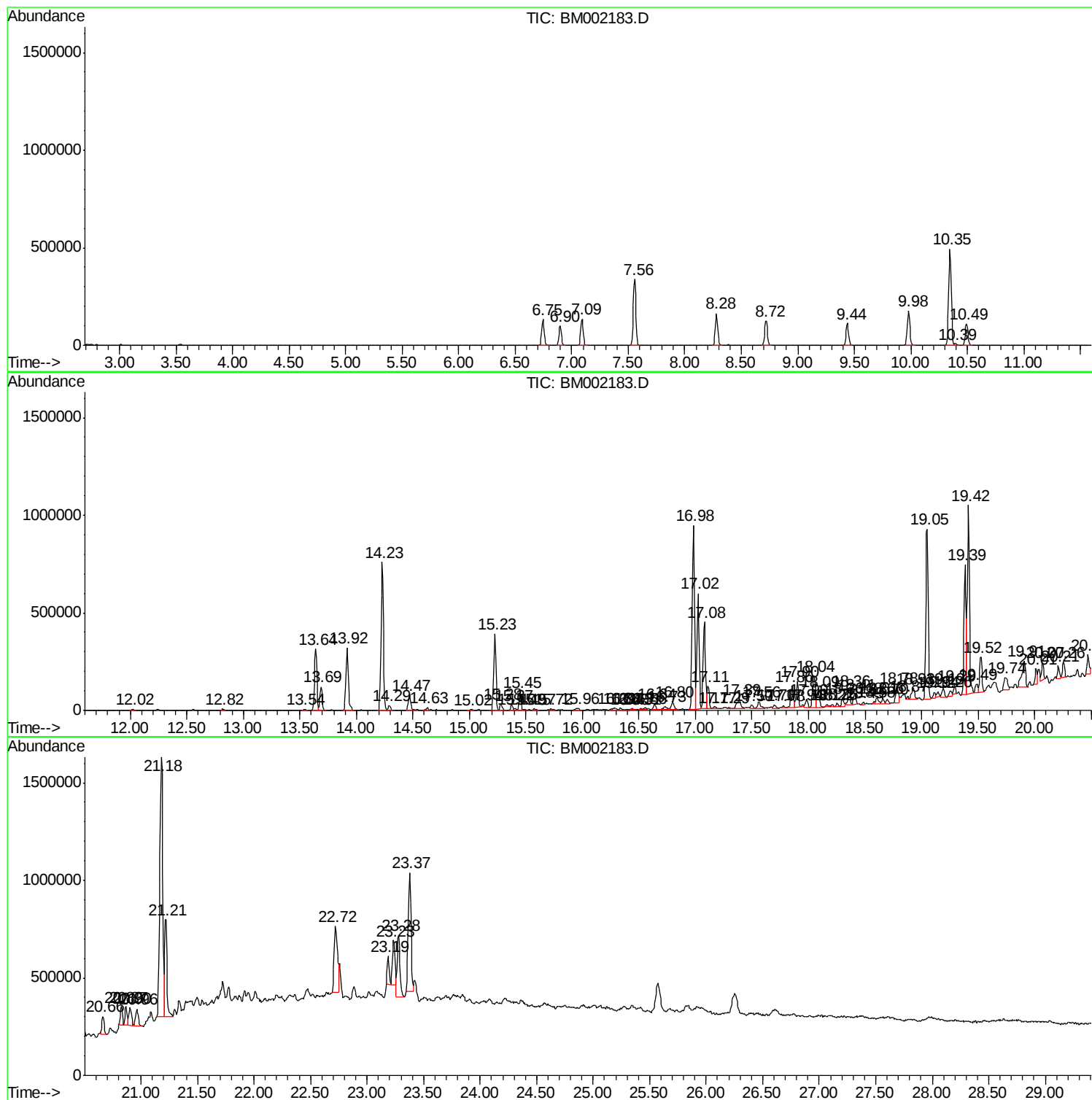
Sum of corrected areas: 22685473

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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072715.M  
Quant Title : SVOA CALIBRATION

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



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Quant Title : SVOA CALIBRATION

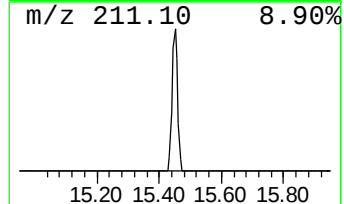
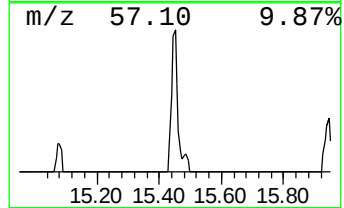
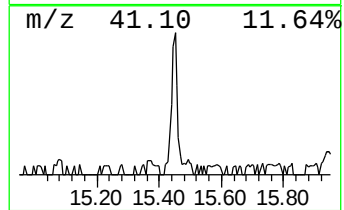
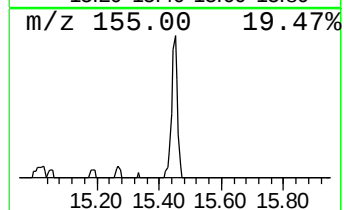
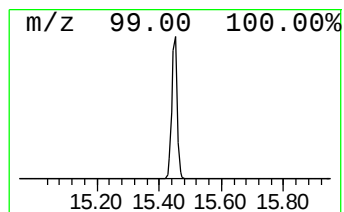
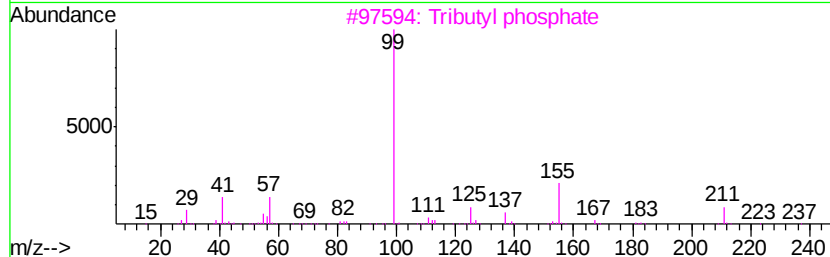
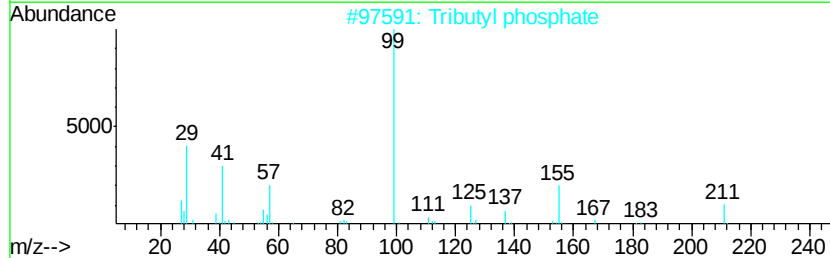
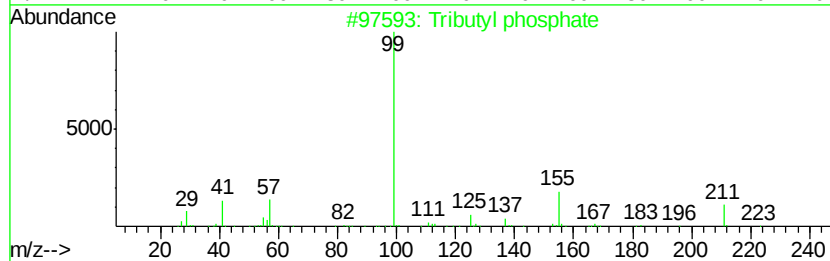
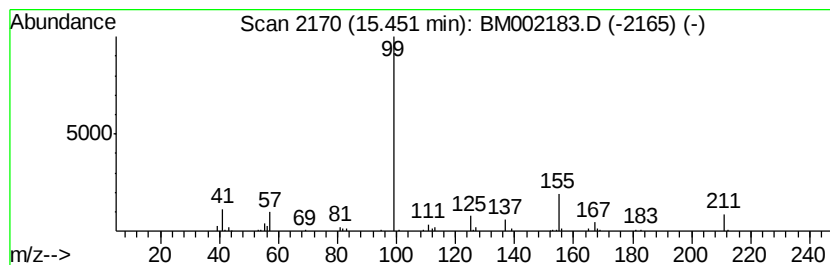
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Tributyl phosphate Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 15.45 | 2.17 ng/ul | 121496 | Acenaphthene-d10 | 14.23 |

| Hit# | of | Tentative ID              | MW  | MolForm   | CAS#        | Qual |
|------|----|---------------------------|-----|-----------|-------------|------|
| 1    | 5  | Tributyl phosphate        | 266 | C12H27O4P | 000126-73-8 | 90   |
| 2    |    | Tributyl phosphate        | 266 | C12H27O4P | 000126-73-8 | 78   |
| 3    |    | Tributyl phosphate        | 266 | C12H27O4P | 000126-73-8 | 58   |
| 4    |    | Tributyl phosphate        | 266 | C12H27O4P | 000126-73-8 | 50   |
| 5    |    | 2-Octen-4-one, 2-methoxy- | 156 | C9H16O2   | 024985-48-6 | 38   |



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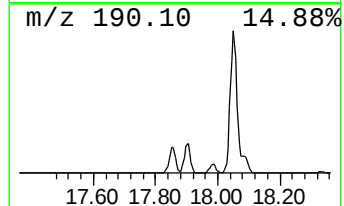
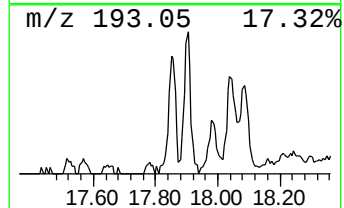
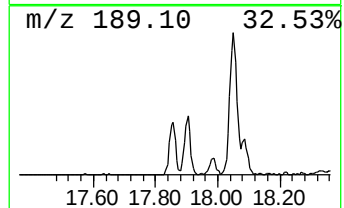
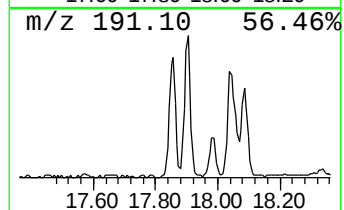
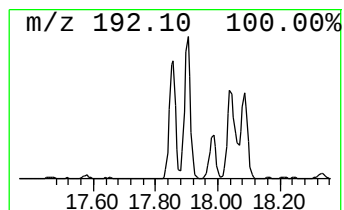
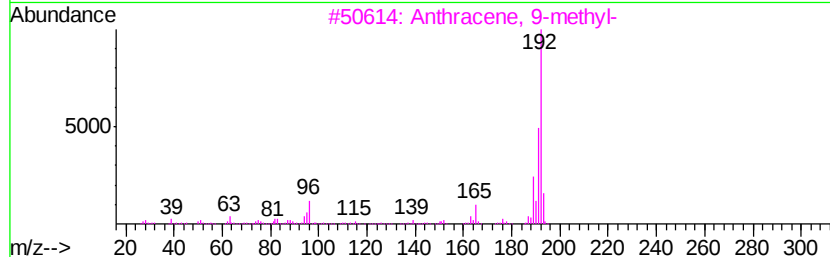
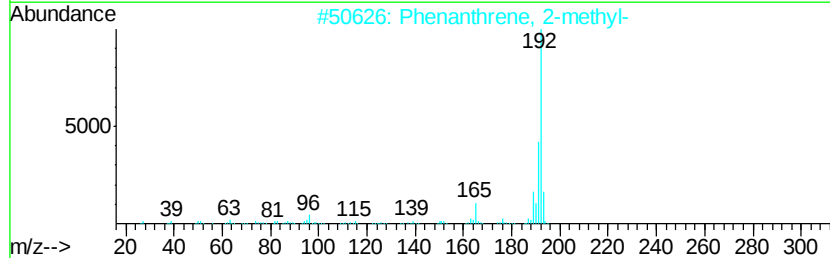
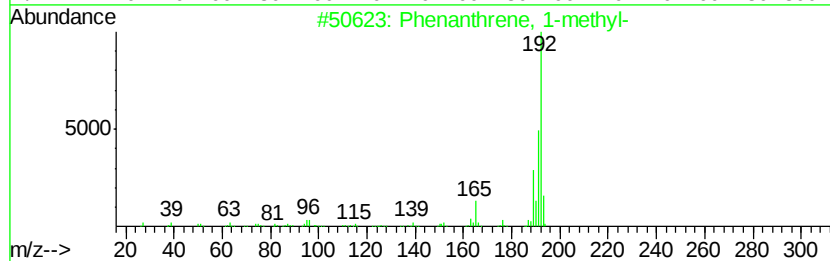
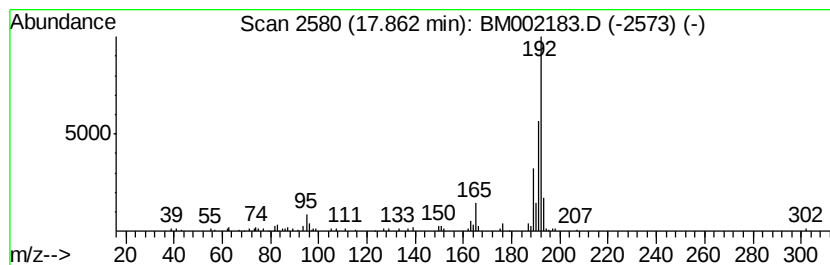
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.86 | 2.41 ng/ul | 168345 | Phenanthrene-d10 | 16.98 |

| 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 | 96   |
| 3       |   | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 95   |
| 4       |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 95   |
| 5       |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 95   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080215\  
Data File : BM002183.D  
Acq On : 02 Aug 2015 23:42  
Operator : TP  
Sample : G3095-05  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

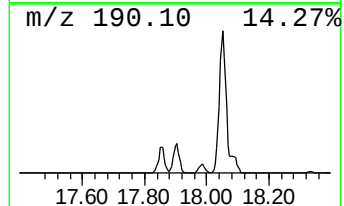
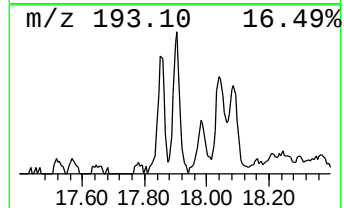
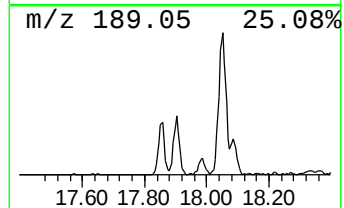
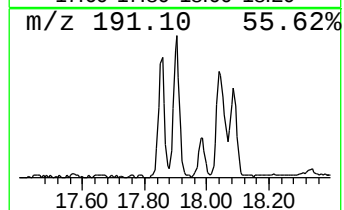
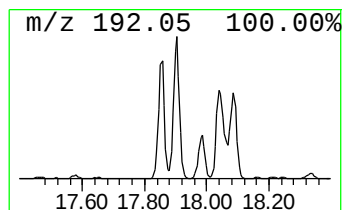
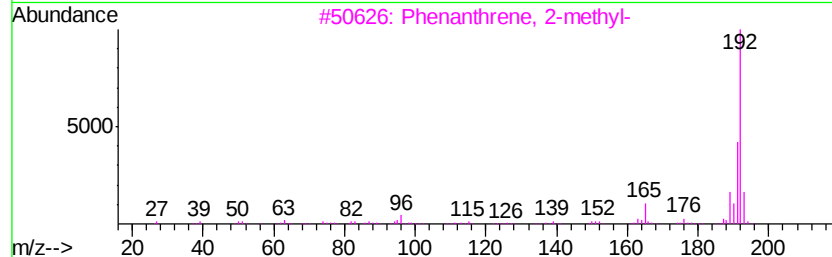
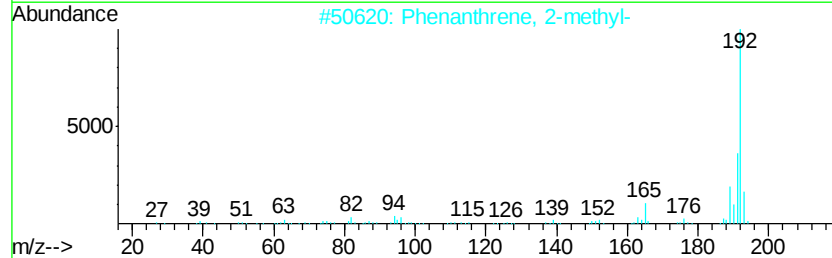
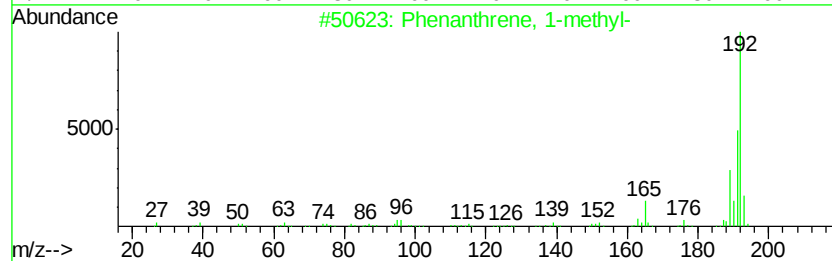
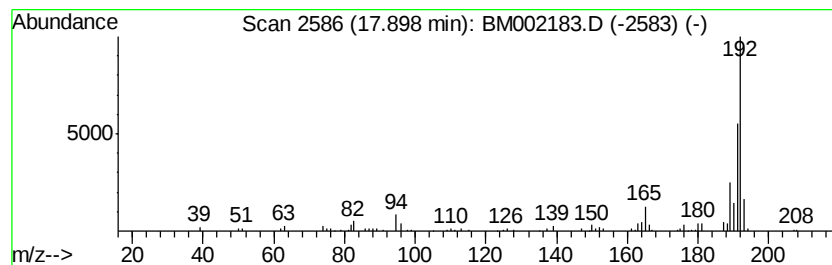
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ClientSampleId :  
C01R4

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072715.M  
Quant Title : SVOA CALIBRATION

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

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

| R.T.      | EstConc                 | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------|--------|------------------|-------------|------|
| 17.90     | 2.64 ng/ul              | 184343 | Phenanthrene-d10 | 16.98       |      |
| 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 | 96   |
| 3         | Phenanthrene, 2-methyl- | 192    | C15H12           | 002531-84-2 | 95   |
| 4         | 1H-Indene, 2-phenyl-    | 192    | C15H12           | 004505-48-0 | 95   |
| 5         | Anthracene, 1-methyl-   | 192    | C15H12           | 000610-48-0 | 95   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080215\  
Data File : BM002183.D  
Acq On : 02 Aug 2015 23:42  
Operator : TP  
Sample : G3095-05  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

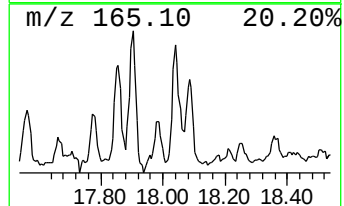
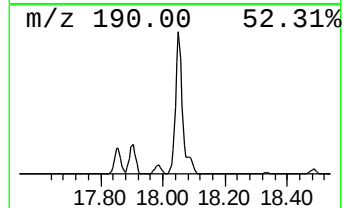
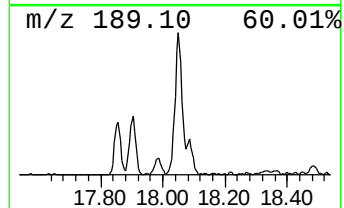
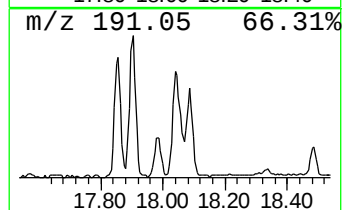
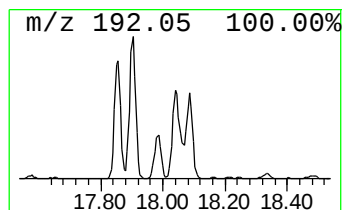
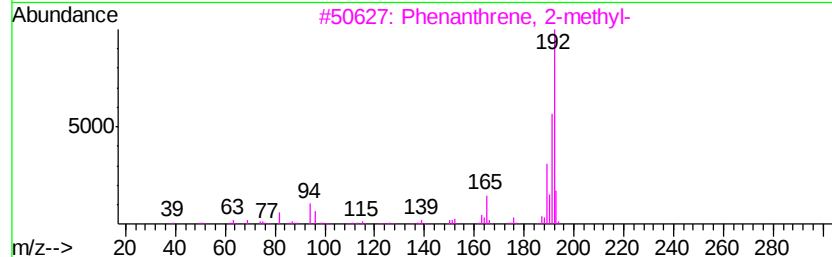
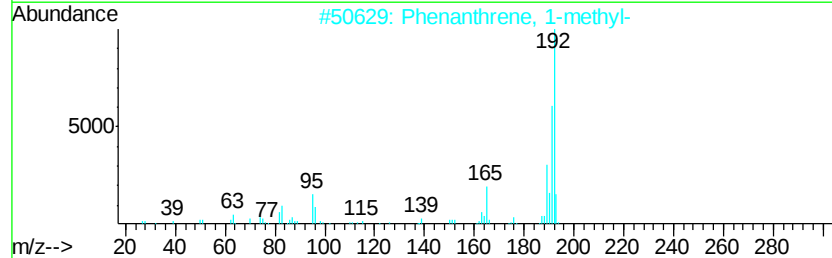
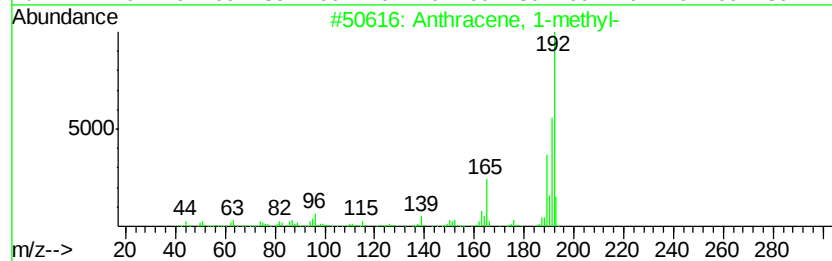
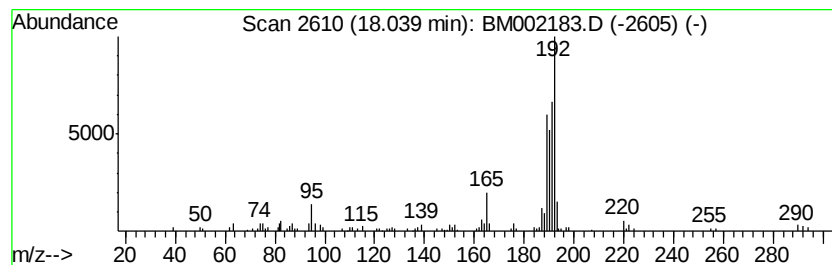
Instrument :  
BNA\_M  
ClientSampleId :  
C01R4

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072715.M  
Quant Title : SVOA CALIBRATION

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

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

| R.T.    | EstConc    | Area                           | Relative to ISTD |         | R.T.        |      |
|---------|------------|--------------------------------|------------------|---------|-------------|------|
| 18.04   | 4.10 ng/ul | 285614                         | Phenanthrene-d10 |         | 16.98       |      |
| Hit# of | 5          | Tentative ID                   | MW               | MolForm | CAS#        | Qual |
| 1       |            | Anthracene, 1-methyl-          | 192              | C15H12  | 000610-48-0 | 72   |
| 2       |            | Phenanthrene, 1-methyl-        | 192              | C15H12  | 000832-69-9 | 55   |
| 3       |            | Phenanthrene, 2-methyl-        | 192              | C15H12  | 002531-84-2 | 55   |
| 4       |            | 4H-Cyclopenta[def]phenanthrene | 190              | C15H10  | 000203-64-5 | 55   |
| 5       |            | Phenanthrene, 4-methyl-        | 192              | C15H12  | 000832-64-4 | 51   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080215\  
Data File : BM002183.D  
Acq On : 02 Aug 2015 23:42  
Operator : TP  
Sample : G3095-05  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C01R4

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072715.M  
Quant Title : SVOA CALIBRATION

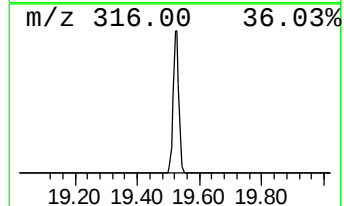
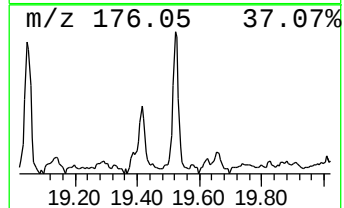
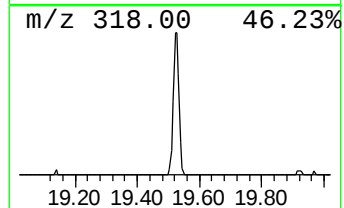
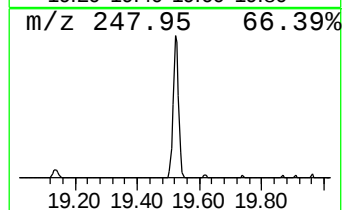
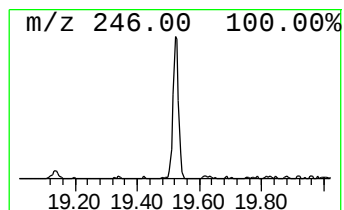
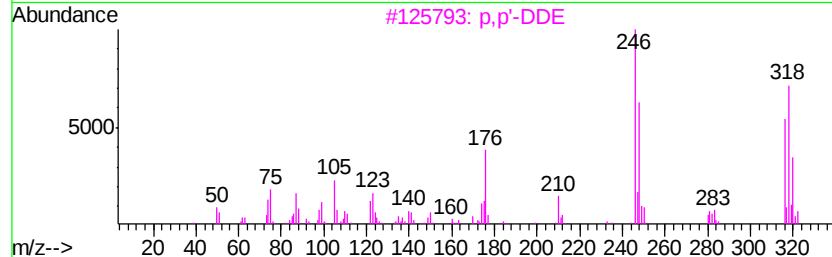
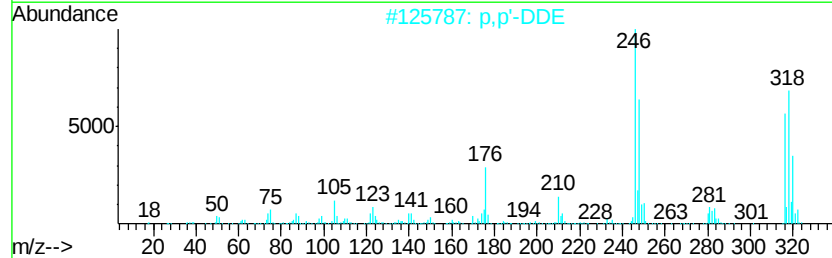
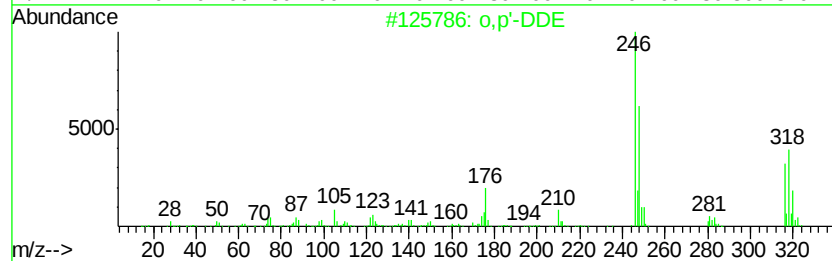
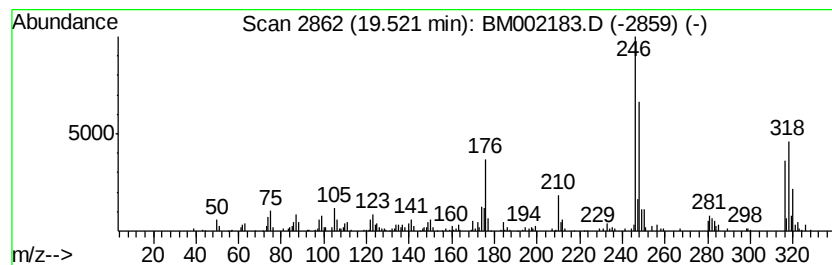
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 o,p'-DDE Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.52 | 2.02 ng/ul | 238214 | Chrysene-d12     | 21.19 |

| Hit# of | 5 | Tentative ID               | MW  | MolForm  | CAS#        | Qual |
|---------|---|----------------------------|-----|----------|-------------|------|
| 1       |   | o,p'-DDE                   | 316 | C14H8Cl4 | 003424-82-6 | 99   |
| 2       |   | p,p'-DDE                   | 316 | C14H8Cl4 | 000072-55-9 | 99   |
| 3       |   | p,p'-DDE                   | 316 | C14H8Cl4 | 000072-55-9 | 99   |
| 4       |   | p,p'-DDE                   | 316 | C14H8Cl4 | 000072-55-9 | 98   |
| 5       |   | Anthracene, 9,10-dichloro- | 246 | C14H8Cl2 | 000605-48-1 | 98   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080215\  
Data File : BM002183.D  
Acq On : 02 Aug 2015 23:42  
Operator : TP  
Sample : G3095-05  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C01R4

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072715.M  
Quant Title : SVOA CALIBRATION

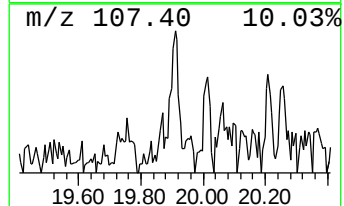
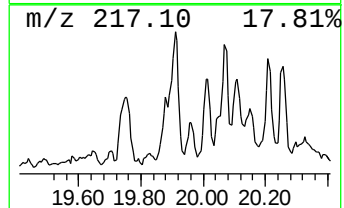
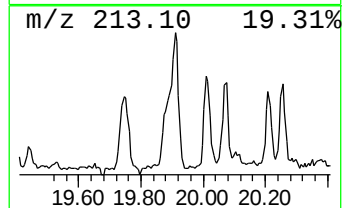
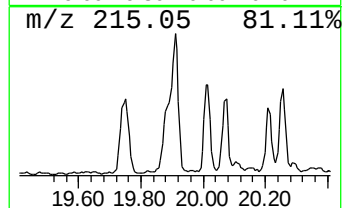
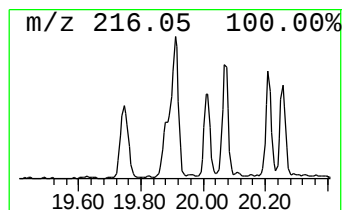
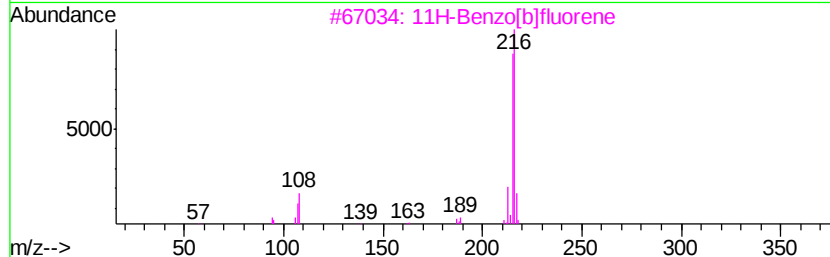
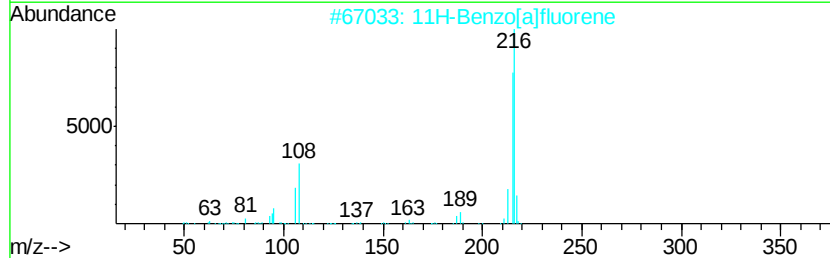
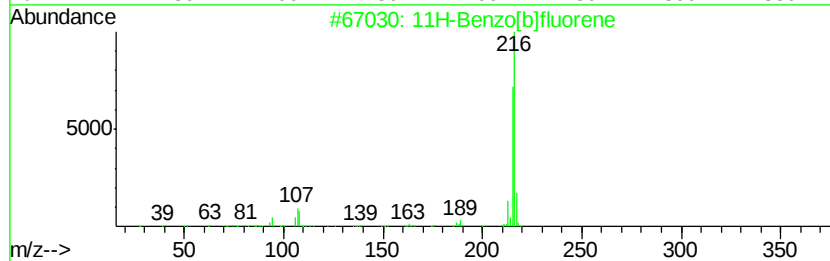
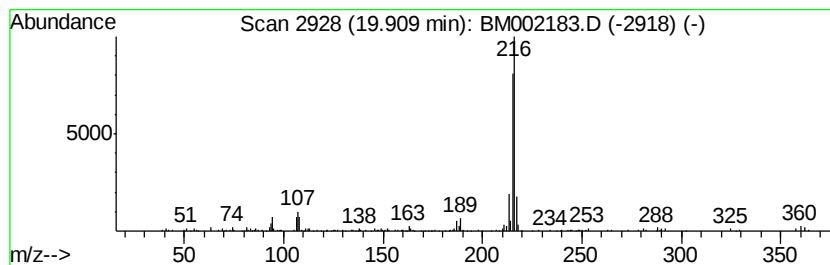
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 11H-Benzo[b]fluorene Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.91 | 2.51 ng/ul | 295304 | Chrysene-d12     | 21.19 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 94   |
| 2    |    | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 90   |
| 3    |    | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 87   |
| 4    |    | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 87   |
| 5    |    | 7H-Benzo[c]fluorene     | 216 | C17H12  | 000205-12-9 | 87   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080215\  
Data File : BM002183.D  
Acq On : 02 Aug 2015 23:42  
Operator : TP  
Sample : G3095-05  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C01R4

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072715.M  
Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Tributyl phosphate   | 15.45 | 2.2     | ng/ul | 121496   | 3                     | 14.23 | 1121060 | 20.0 |
| Phenanthrene, 1-m... | 17.86 | 2.4     | ng/ul | 168345   | 4                     | 16.98 | 1394330 | 20.0 |
| Phenanthrene, 2-m... | 17.90 | 2.6     | ng/ul | 184343   | 4                     | 16.98 | 1394330 | 20.0 |
| Anthracene, 1-met... | 18.04 | 4.1     | ng/ul | 285614   | 4                     | 16.98 | 1394330 | 20.0 |
| o,p'-DDE             | 19.52 | 2.0     | ng/ul | 238214   | 5                     | 21.19 | 2357500 | 20.0 |
| 11H-Benzo[b]fluorene | 19.91 | 2.5     | ng/ul | 295304   | 5                     | 21.19 | 2357500 | 20.0 |