

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM063021\  
 Data File : BM030742.D  
 Acq On : 01 Jul 2021 14:23  
 Operator : CG/JU  
 Sample : M2825-06  
 Misc :  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BGDR0

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0.1 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM062221.M  
 Title : SVOA CALIBRATION

Signal : TIC: BM030742.D

| 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         | 3.775       | 109           | 117         | 124          | rBV5     | 12453          | 33083         | 1.81%           | 0.178%        |
| 2         | 3.993       | 149           | 154         | 159          | rVB      | 11509          | 16164         | 0.88%           | 0.087%        |
| 3         | 6.946       | 649           | 656         | 665          | rBV      | 63408          | 119049        | 6.51%           | 0.640%        |
| 4         | 7.110       | 678           | 684         | 698          | rBV      | 54339          | 95435         | 5.22%           | 0.513%        |
| 5         | 7.310       | 711           | 718         | 729          | rVV      | 74652          | 125740        | 6.88%           | 0.676%        |
| 6         | 7.775       | 790           | 797         | 805          | rBV      | 255850         | 405060        | 22.16%          | 2.178%        |
| 7         | 8.481       | 909           | 917         | 928          | rBV      | 69175          | 125114        | 6.84%           | 0.673%        |
| 8         | 8.934       | 987           | 994         | 1003         | rBV      | 56974          | 102228        | 5.59%           | 0.550%        |
| 9         | 9.651       | 1110          | 1116        | 1126         | rVB      | 41503          | 74383         | 4.07%           | 0.400%        |
| 10        | 10.193      | 1201          | 1208        | 1224         | rBV      | 49526          | 113893        | 6.23%           | 0.612%        |
| 11        | 10.557      | 1264          | 1270        | 1276         | rBV      | 303999         | 524738        | 28.70%          | 2.821%        |
| 12        | 10.610      | 1276          | 1279        | 1286         | rVB2     | 15109          | 25434         | 1.39%           | 0.137%        |
| 13        | 10.710      | 1288          | 1296        | 1308         | rBV      | 47581          | 108190        | 5.92%           | 0.582%        |
| 14        | 13.298      | 1730          | 1736        | 1742         | rBV2     | 11794          | 18976         | 1.04%           | 0.102%        |
| 15        | 13.581      | 1778          | 1784        | 1792         | rBV7     | 5321           | 12496         | 0.68%           | 0.067%        |
| 16        | 13.728      | 1803          | 1809        | 1814         | rBV2     | 14667          | 24344         | 1.33%           | 0.131%        |
| 17        | 13.816      | 1819          | 1824        | 1828         | rVV      | 121485         | 175718        | 9.61%           | 0.945%        |
| 18        | 13.863      | 1828          | 1832        | 1842         | rVV      | 58901          | 92801         | 5.08%           | 0.499%        |
| 19        | 13.963      | 1845          | 1849        | 1853         | rVV3     | 6663           | 10725         | 0.59%           | 0.058%        |
| 20        | 14.098      | 1863          | 1872        | 1884         | rVV2     | 131393         | 238532        | 13.05%          | 1.283%        |
| 21        | 14.404      | 1917          | 1924        | 1930         | rBV      | 411120         | 620700        | 33.95%          | 3.337%        |
| 22        | 14.469      | 1930          | 1935        | 1943         | rVB      | 61278          | 93141         | 5.09%           | 0.501%        |
| 23        | 14.628      | 1955          | 1962        | 1970         | rBV7     | 12359          | 31264         | 1.71%           | 0.168%        |
| 24        | 14.804      | 1986          | 1992        | 1998         | rBV      | 21274          | 31972         | 1.75%           | 0.172%        |
| 25        | 14.880      | 2000          | 2005        | 2009         | rVB2     | 9232           | 12913         | 0.71%           | 0.069%        |
| 26        | 15.016      | 2021          | 2028        | 2033         | rVV5     | 8133           | 17371         | 0.95%           | 0.093%        |
| 27        | 15.075      | 2034          | 2038        | 2044         | rVB2     | 8661           | 11542         | 0.63%           | 0.062%        |
| 28        | 15.192      | 2050          | 2058        | 2062         | rBV5     | 7410           | 15975         | 0.87%           | 0.086%        |
| 29        | 15.392      | 2086          | 2092        | 2098         | rVV      | 188059         | 280351        | 15.34%          | 1.507%        |
| 30        | 15.451      | 2098          | 2102        | 2108         | rVV      | 57099          | 91342         | 5.00%           | 0.491%        |
| 31        | 15.527      | 2111          | 2115        | 2122         | rVV3     | 19605          | 41221         | 2.25%           | 0.222%        |
| 32        | 15.616      | 2126          | 2130        | 2134         | rVV6     | 8509           | 14793         | 0.81%           | 0.080%        |
| 33        | 15.663      | 2134          | 2138        | 2142         | rVV3     | 10085          | 14664         | 0.80%           | 0.079%        |
| 34        | 15.745      | 2148          | 2152        | 2159         | rVV      | 25209          | 37482         | 2.05%           | 0.202%        |
| 35        | 15.898      | 2168          | 2178        | 2185         | rBV3     | 25283          | 57910         | 3.17%           | 0.311%        |
| 36        | 15.986      | 2185          | 2193        | 2197         | rVB5     | 5542           | 11895         | 0.65%           | 0.064%        |

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 Sample : M2825-06  
 Misc :  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BGDR0

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0.1 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM062221.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 37 | 16.133 | 2211 | 2218 | 2224 | rVB8 | 9175   | 18297   | 1.00%  | 0.098% |
| 38 | 16.451 | 2263 | 2272 | 2277 | rBV4 | 24805  | 49157   | 2.69%  | 0.264% |
| 39 | 16.504 | 2277 | 2281 | 2287 | rVV2 | 11616  | 18534   | 1.01%  | 0.100% |
| 40 | 16.604 | 2292 | 2298 | 2305 | rVV  | 11659  | 19464   | 1.06%  | 0.105% |
| 41 | 16.680 | 2305 | 2311 | 2315 | rVV3 | 21228  | 35330   | 1.93%  | 0.190% |
| 42 | 16.722 | 2315 | 2318 | 2321 | rVV2 | 17270  | 24159   | 1.32%  | 0.130% |
| 43 | 16.751 | 2321 | 2323 | 2328 | rVV3 | 7096   | 11494   | 0.63%  | 0.062% |
| 44 | 16.804 | 2328 | 2332 | 2337 | rVV4 | 13271  | 21220   | 1.16%  | 0.114% |
| 45 | 16.874 | 2339 | 2344 | 2346 | rVV  | 19202  | 31222   | 1.71%  | 0.168% |
| 46 | 16.898 | 2346 | 2348 | 2353 | rVV4 | 24938  | 33578   | 1.84%  | 0.181% |
| 47 | 16.963 | 2355 | 2359 | 2368 | rVB  | 30058  | 51913   | 2.84%  | 0.279% |
| 48 | 17.145 | 2383 | 2390 | 2393 | rBV  | 463822 | 690391  | 37.77% | 3.712% |
| 49 | 17.186 | 2393 | 2397 | 2402 | rVV  | 505180 | 727169  | 39.78% | 3.910% |
| 50 | 17.239 | 2402 | 2406 | 2409 | rVV2 | 197550 | 293686  | 16.07% | 1.579% |
| 51 | 17.274 | 2409 | 2412 | 2418 | rVV  | 251842 | 355091  | 19.42% | 1.909% |
| 52 | 17.333 | 2418 | 2422 | 2428 | rVV3 | 13056  | 27770   | 1.52%  | 0.149% |
| 53 | 17.551 | 2453 | 2459 | 2461 | rBV2 | 8007   | 13404   | 0.73%  | 0.072% |
| 54 | 17.580 | 2461 | 2464 | 2470 | rVB5 | 8903   | 16650   | 0.91%  | 0.090% |
| 55 | 17.663 | 2475 | 2478 | 2481 | rVB  | 11547  | 12768   | 0.70%  | 0.069% |
| 56 | 18.016 | 2533 | 2538 | 2542 | rVV  | 77149  | 127314  | 6.96%  | 0.685% |
| 57 | 18.063 | 2542 | 2546 | 2552 | rVV  | 111887 | 164235  | 8.98%  | 0.883% |
| 58 | 18.145 | 2555 | 2560 | 2565 | rVV  | 73586  | 108496  | 5.93%  | 0.583% |
| 59 | 18.210 | 2565 | 2571 | 2575 | rVV2 | 132477 | 239502  | 13.10% | 1.288% |
| 60 | 18.245 | 2575 | 2577 | 2586 | rVB  | 53667  | 72308   | 3.96%  | 0.389% |
| 61 | 18.468 | 2610 | 2615 | 2619 | rBV  | 41075  | 67520   | 3.69%  | 0.363% |
| 62 | 18.516 | 2619 | 2623 | 2628 | rVB  | 55472  | 79904   | 4.37%  | 0.430% |
| 63 | 18.763 | 2661 | 2665 | 2669 | rBV3 | 17468  | 26651   | 1.46%  | 0.143% |
| 64 | 18.816 | 2669 | 2674 | 2677 | rBV2 | 16619  | 22202   | 1.21%  | 0.119% |
| 65 | 18.851 | 2677 | 2680 | 2685 | rVB2 | 17367  | 25150   | 1.38%  | 0.135% |
| 66 | 18.927 | 2685 | 2693 | 2698 | rBV3 | 51657  | 102080  | 5.58%  | 0.549% |
| 67 | 18.998 | 2700 | 2705 | 2708 | rBV4 | 28054  | 39745   | 2.17%  | 0.214% |
| 68 | 19.068 | 2713 | 2717 | 2720 | rBV2 | 15655  | 25386   | 1.39%  | 0.136% |
| 69 | 19.198 | 2733 | 2739 | 2746 | rBV  | 922199 | 1273777 | 69.68% | 6.849% |
| 70 | 19.257 | 2746 | 2749 | 2752 | rVB2 | 17200  | 22855   | 1.25%  | 0.123% |
| 71 | 19.298 | 2752 | 2756 | 2759 | rBV5 | 16345  | 23790   | 1.30%  | 0.128% |
| 72 | 19.345 | 2760 | 2764 | 2769 | rVV  | 63620  | 84390   | 4.62%  | 0.454% |
| 73 | 19.439 | 2776 | 2780 | 2790 | rVB3 | 26098  | 59091   | 3.23%  | 0.318% |
| 74 | 19.527 | 2790 | 2795 | 2797 | rBV2 | 417308 | 580373  | 31.75% | 3.121% |
| 75 | 19.557 | 2797 | 2800 | 2809 | rVV  | 682436 | 955405  | 52.26% | 5.137% |
| 76 | 19.633 | 2809 | 2813 | 2819 | rVB2 | 47290  | 77724   | 4.25%  | 0.418% |

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 Misc :  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BGDR0

Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF Filtering: 5  
 Sampling : 1 Min Area: 0.1 % of largest Peak  
 Start Thrs: 0.2 Max Peaks: 100  
 Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM062221.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |        |         |         |        |
|-----|--------|------|------|------|------|--------|---------|---------|--------|
| 77  | 19.739 | 2826 | 2831 | 2837 | rVB  | 61939  | 86761   | 4.75%   | 0.466% |
| 78  | 19.880 | 2849 | 2855 | 2863 | rBV4 | 62807  | 167058  | 9.14%   | 0.898% |
| 79  | 19.968 | 2868 | 2870 | 2873 | rVV4 | 14702  | 16510   | 0.90%   | 0.089% |
| 80  | 20.021 | 2873 | 2879 | 2880 | rVV3 | 49836  | 85093   | 4.65%   | 0.458% |
| 81  | 20.051 | 2880 | 2884 | 2891 | rVB  | 195680 | 285972  | 15.64%  | 1.538% |
| 82  | 20.151 | 2897 | 2901 | 2905 | rBV  | 187864 | 238673  | 13.06%  | 1.283% |
| 83  | 20.210 | 2905 | 2911 | 2915 | rVB2 | 78725  | 137563  | 7.52%   | 0.740% |
| 84  | 20.304 | 2922 | 2927 | 2930 | rBV3 | 32835  | 57617   | 3.15%   | 0.310% |
| 85  | 20.351 | 2931 | 2935 | 2938 | rVV  | 43449  | 65403   | 3.58%   | 0.352% |
| 86  | 20.398 | 2938 | 2943 | 2954 | rVB3 | 55213  | 110302  | 6.03%   | 0.593% |
| 87  | 20.521 | 2960 | 2964 | 2970 | rVB  | 870060 | 929266  | 50.83%  | 4.997% |
| 88  | 20.757 | 3000 | 3004 | 3008 | rBV2 | 38315  | 66932   | 3.66%   | 0.360% |
| 89  | 20.962 | 3036 | 3039 | 3042 | rBV  | 42213  | 54669   | 2.99%   | 0.294% |
| 90  | 20.998 | 3042 | 3045 | 3048 | rBV  | 68566  | 88482   | 4.84%   | 0.476% |
| 91  | 21.221 | 3080 | 3083 | 3088 | rVB  | 126398 | 147910  | 8.09%   | 0.795% |
| 92  | 21.304 | 3091 | 3097 | 3102 | rVV2 | 908836 | 1828110 | 100.00% | 9.829% |
| 93  | 21.345 | 3102 | 3104 | 3114 | rVB  | 501977 | 624409  | 34.16%  | 3.357% |
| 94  | 21.462 | 3121 | 3124 | 3130 | rBV  | 81706  | 129641  | 7.09%   | 0.697% |
| 95  | 22.886 | 3360 | 3366 | 3371 | rBV  | 361677 | 875243  | 47.88%  | 4.706% |
| 96  | 23.056 | 3392 | 3395 | 3401 | rVB  | 108077 | 171008  | 9.35%   | 0.919% |
| 97  | 23.368 | 3444 | 3448 | 3452 | rBV  | 112626 | 181846  | 9.95%   | 0.978% |
| 98  | 23.421 | 3452 | 3457 | 3460 | rVV  | 153529 | 293690  | 16.07%  | 1.579% |
| 99  | 23.462 | 3460 | 3464 | 3472 | rVB  | 318178 | 588670  | 32.20%  | 3.165% |
| 100 | 23.562 | 3475 | 3481 | 3487 | rBV  | 492717 | 911642  | 49.87%  | 4.902% |

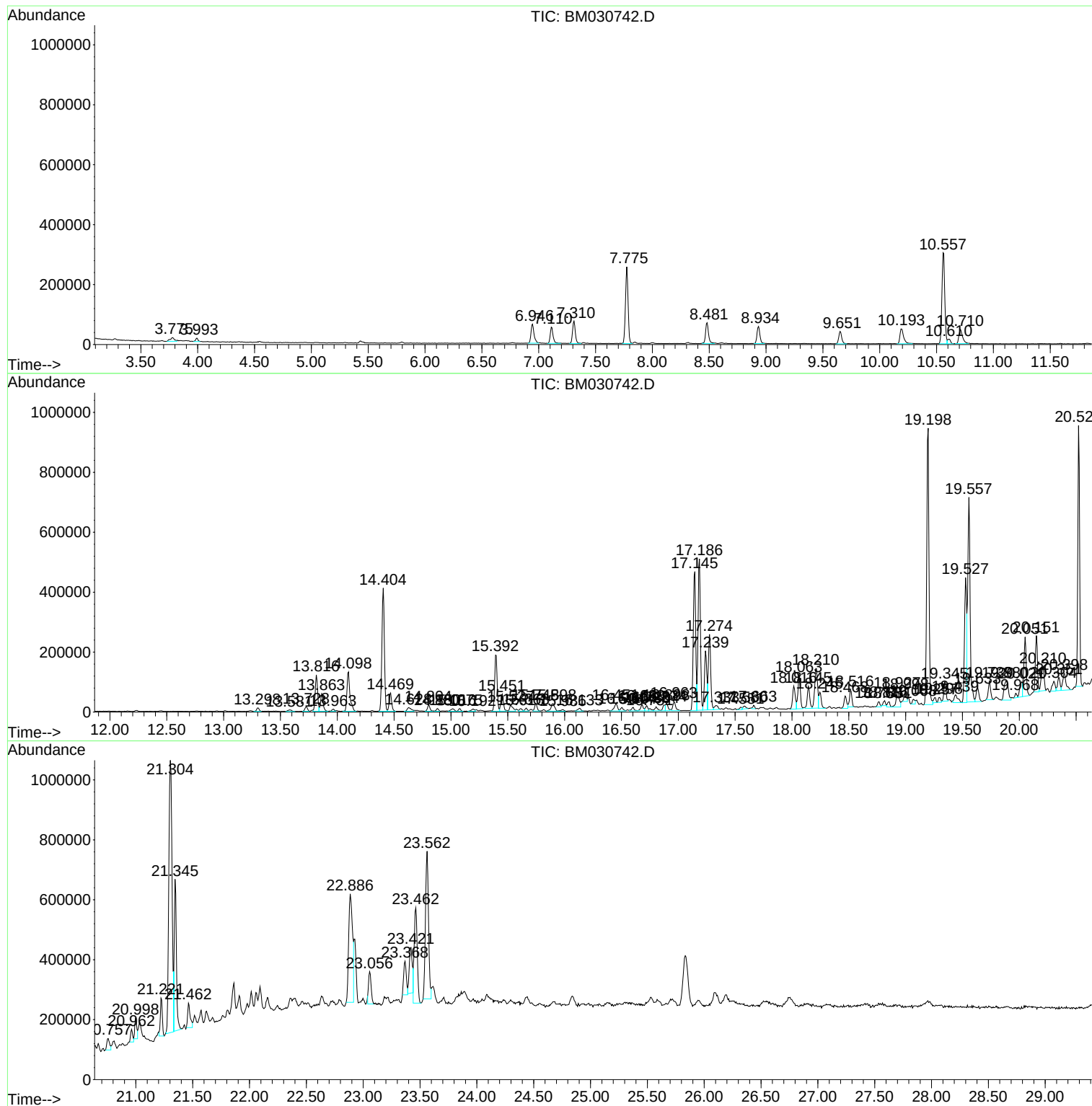
Sum of corrected areas: 18598304

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM063021\  
Data File : BM030742.D  
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Sample : M2825-06  
Misc :  
ALS Vial : 45 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM062221.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM063021\  
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ALS Vial : 45 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BGDR0

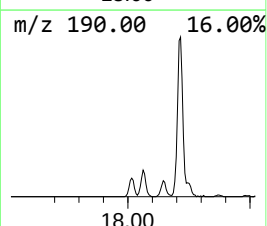
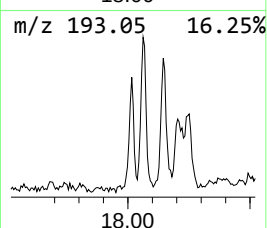
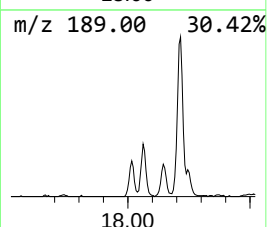
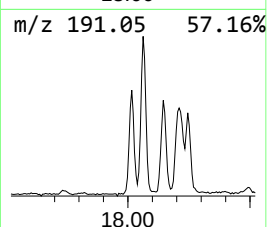
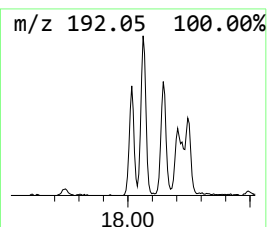
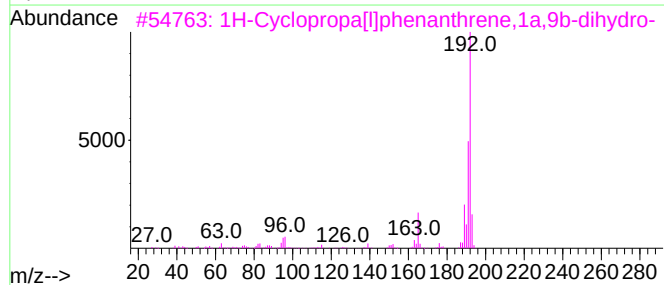
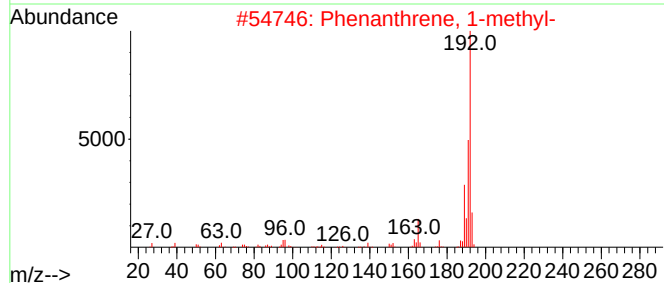
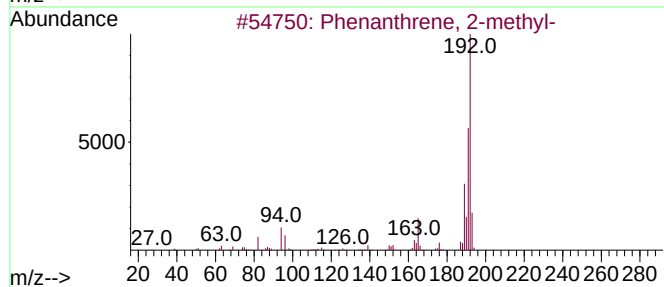
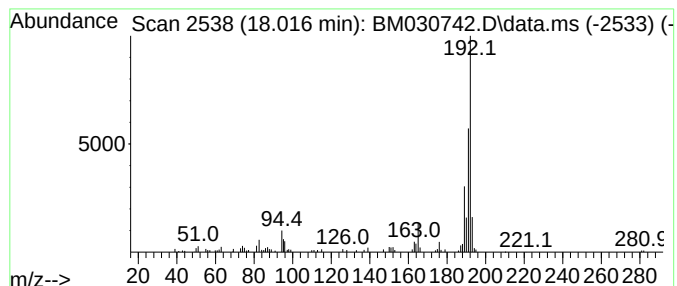
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM062221.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.020 | 3.69 ng/ul | 127314 | Phenanthrene-d10 | 17.145 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 98   |
| 2    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 97   |
| 3    |    |   | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 96   |
| 4    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 96   |
| 5    |    |   | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 95   |



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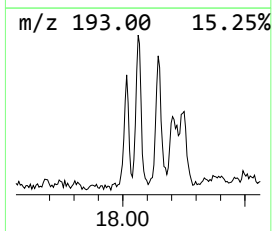
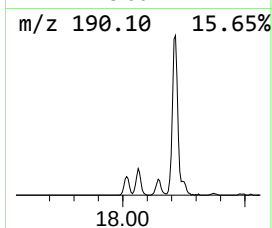
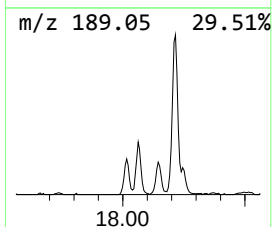
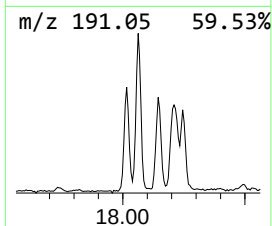
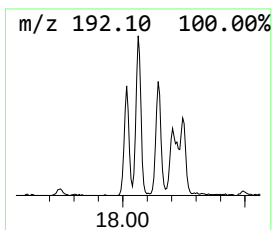
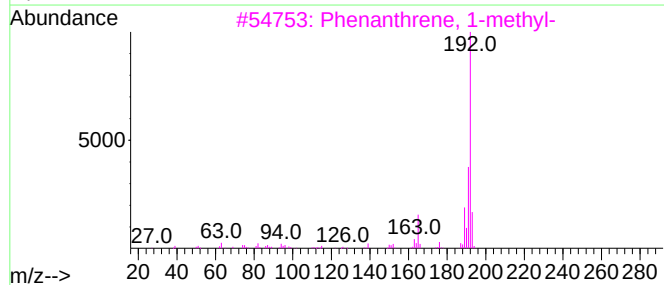
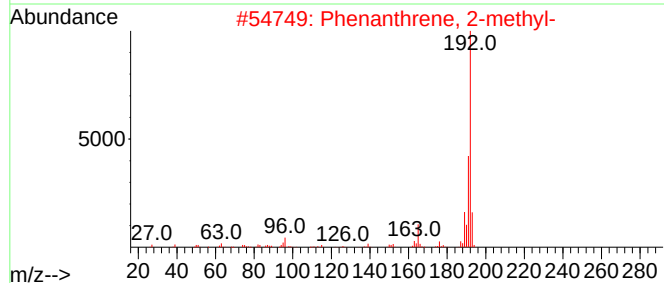
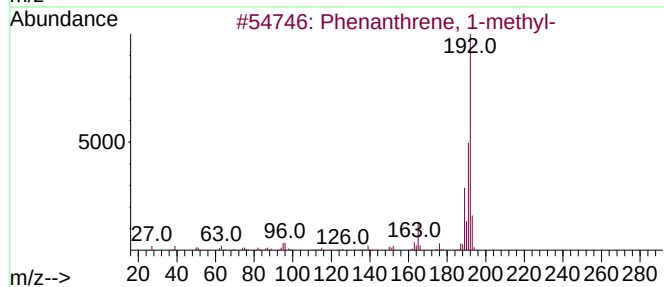
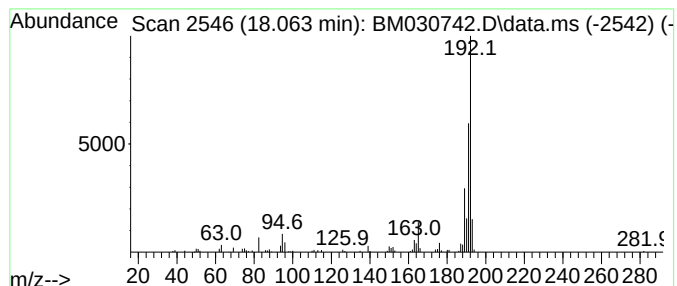
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM062221.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.060 | 4.76 ng/ul | 164235 | Phenanthrene-d10 | 17.145 |

| Hit# | of 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------|-----|---------|-------------|------|
| 1    |      | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 96   |
| 2    |      | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 95   |
| 3    |      | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 95   |
| 4    |      | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 95   |
| 5    |      | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM063021\  
Data File : BM030742.D  
Acq On : 01 Jul 2021 14:23  
Operator : CG/JU  
Sample : M2825-06  
Misc :  
ALS Vial : 45 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BGDR0

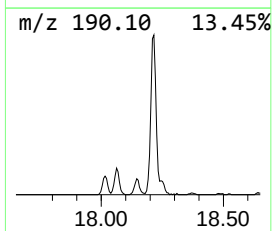
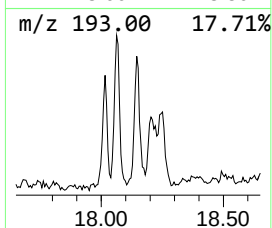
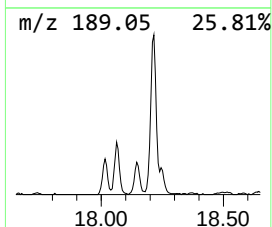
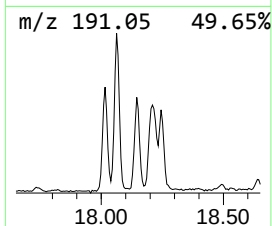
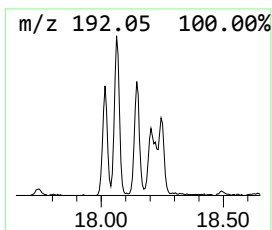
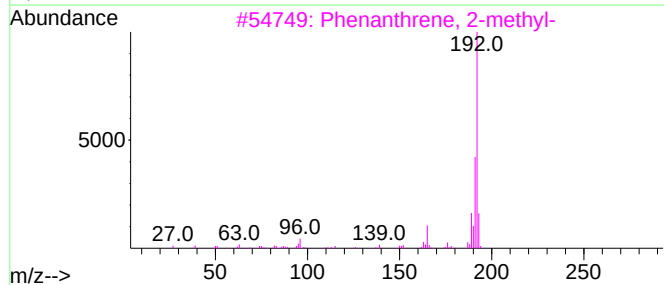
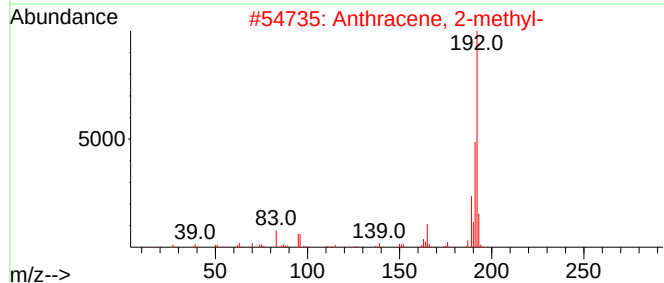
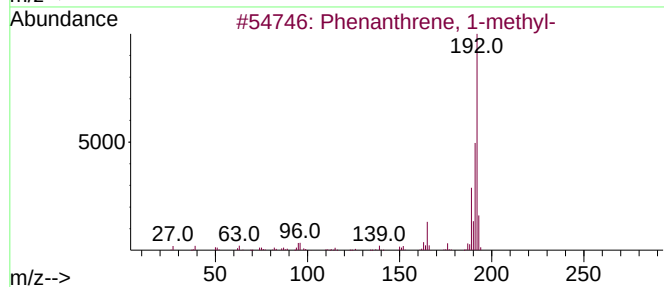
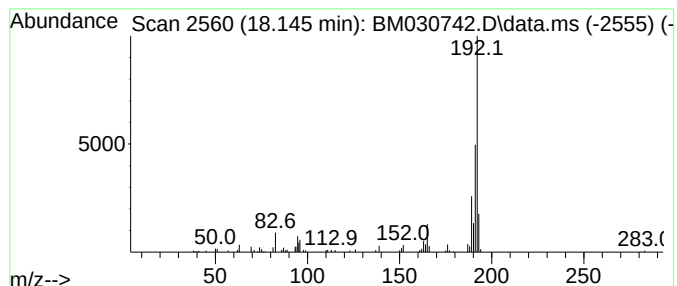
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Quant Title : SVOA CALIBRATION

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

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

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.150 | 3.14 ng/ul | 108496 | Phenanthrene-d10 | 17.145 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 96   |
| 2    |    |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 96   |
| 3    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 96   |
| 4    |    |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 94   |
| 5    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM063021\  
Data File : BM030742.D  
Acq On : 01 Jul 2021 14:23  
Operator : CG/JU  
Sample : M2825-06  
Misc :  
ALS Vial : 45 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BGDR0

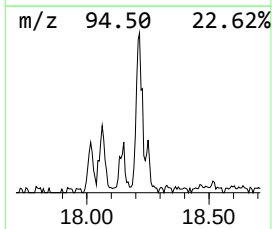
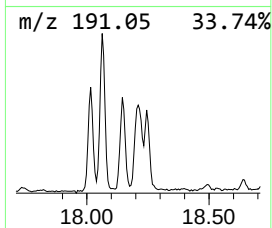
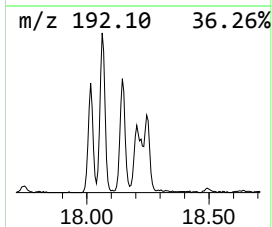
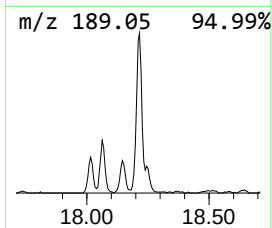
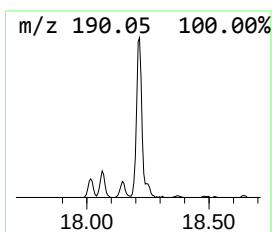
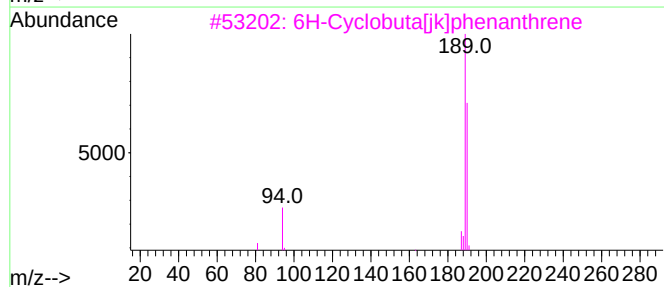
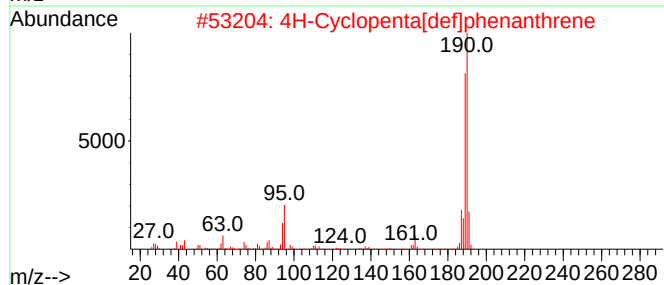
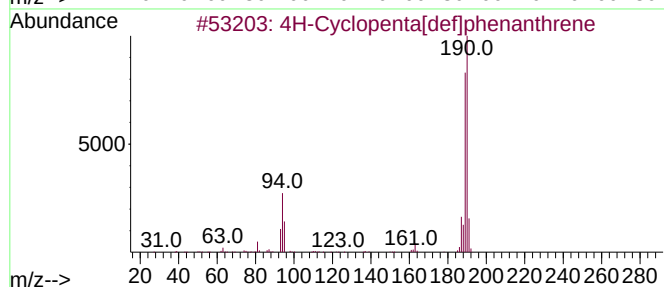
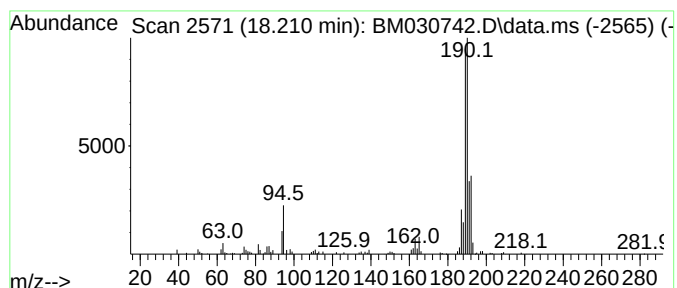
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Quant Title : SVOA CALIBRATION

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

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Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

| R.T.      | EstConc                             | Area   | Relative to ISTD |            |             | R.T.   |
|-----------|-------------------------------------|--------|------------------|------------|-------------|--------|
| 18.210    | 6.94 ng/ul                          | 239502 | Phenanthrene-d10 |            |             | 17.145 |
| Hit# of 5 | Tentative ID                        |        | MW               | MolForm    | CAS#        | Qual   |
| 1         | 4H-Cyclopenta[def]phenanthrene      |        | 190              | C15H10     | 000203-64-5 | 87     |
| 2         | 4H-Cyclopenta[def]phenanthrene      |        | 190              | C15H10     | 000203-64-5 | 76     |
| 3         | 6H-Cyclobuta[jk]phenanthrene        |        | 190              | C15H10     | 083469-43-6 | 72     |
| 4         | 4H-Cyclopenta[def]phenanthrene      |        | 190              | C15H10     | 000203-64-5 | 64     |
| 5         | Thiophene-3-carboxaldehyde, 5-ch... |        | 190              | C5H4BClO3S | 036155-87-0 | 52     |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM063021\  
Data File : BM030742.D  
Acq On : 01 Jul 2021 14:23  
Operator : CG/JU  
Sample : M2825-06  
Misc :  
ALS Vial : 45 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM062221.M  
Quant Title : SVOA CALIBRATION

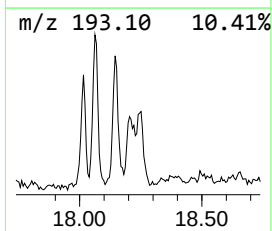
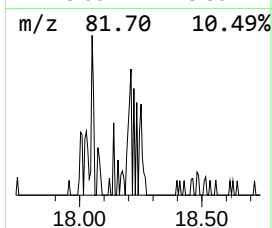
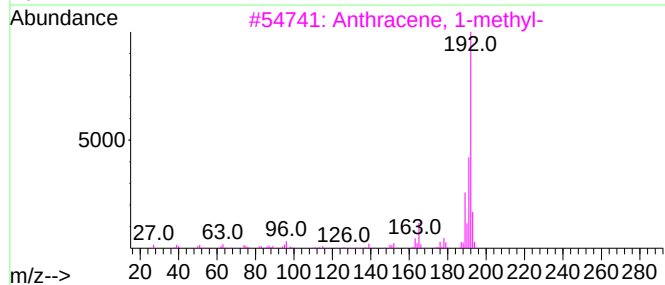
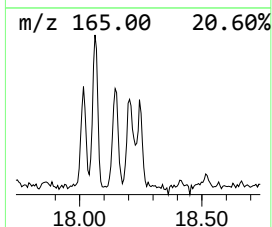
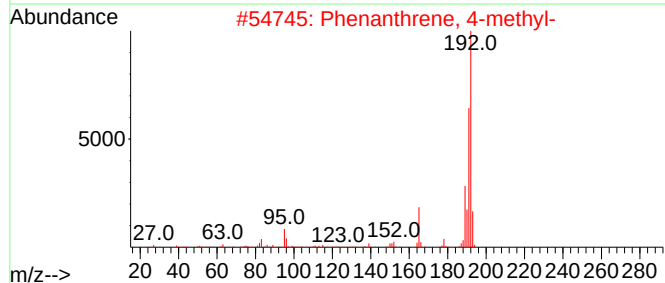
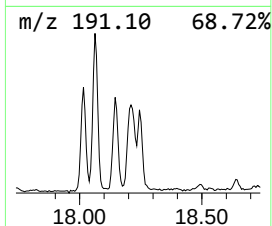
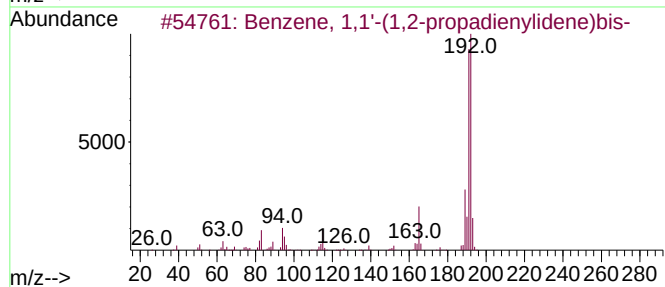
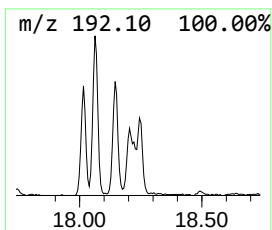
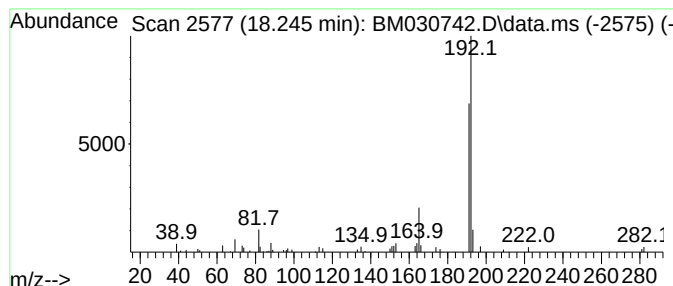
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Benzene, 1,1'-(1,2-propadienylidene) Concentration Rank 11

| R.T.   | EstConc    | Area  | Relative to ISTD | R.T.   |
|--------|------------|-------|------------------|--------|
| 18.240 | 2.09 ng/ul | 72308 | Phenanthrene-d10 | 17.145 |

| Hit# | of | 5 | Tentative ID                             | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,1'-(1,2-propadienylidene)bis- | 192 | C15H12  | 014251-57-1 | 86   |
| 2    |    |   | Phenanthrene, 4-methyl-                  | 192 | C15H12  | 000832-64-4 | 80   |
| 3    |    |   | Anthracene, 1-methyl-                    | 192 | C15H12  | 000610-48-0 | 80   |
| 4    |    |   | 1H-Indene, 2-phenyl-                     | 192 | C15H12  | 004505-48-0 | 80   |
| 5    |    |   | Phenanthrene, 4-methyl-                  | 192 | C15H12  | 000832-64-4 | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM063021\  
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Operator : CG/JU  
Sample : M2825-06  
Misc :  
ALS Vial : 45 Sample Multiplier: 1

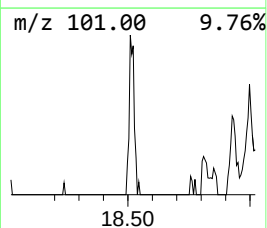
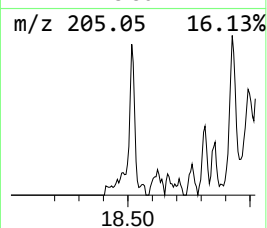
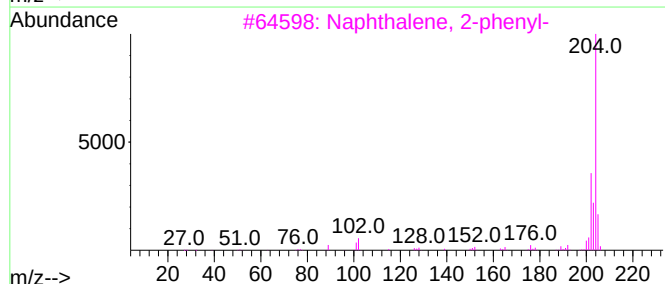
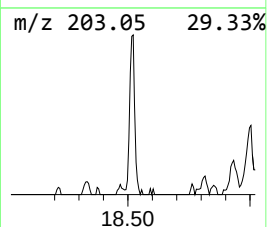
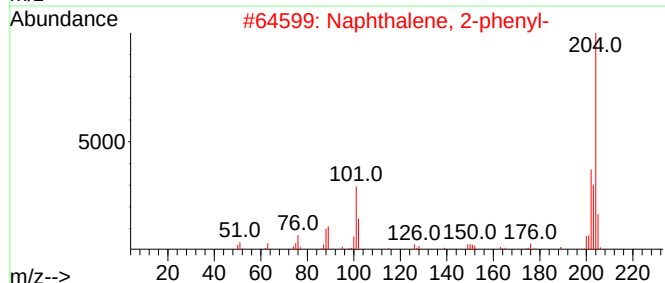
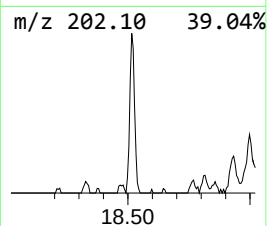
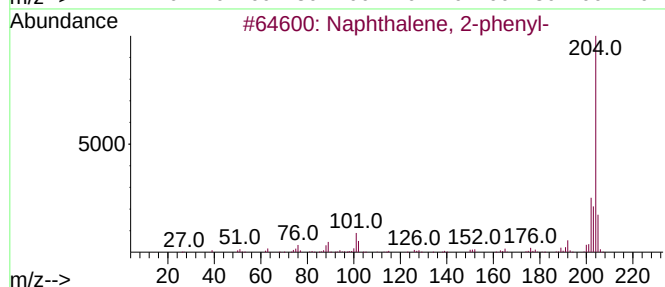
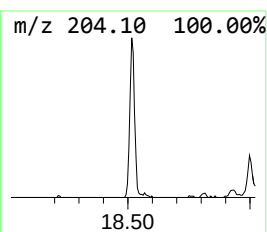
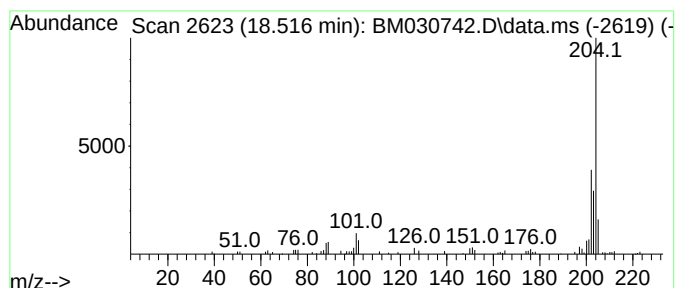
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ClientSampleId :  
BGDR0

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Quant Title : SVOA CALIBRATION

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

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Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 10

| R.T.      | EstConc                             | Area  | Relative to ISTD |         | R.T.        |      |
|-----------|-------------------------------------|-------|------------------|---------|-------------|------|
| 18.520    | 2.31 ng/ul                          | 79904 | Phenanthrene-d10 |         | 17.145      |      |
| Hit# of 5 | Tentative ID                        |       | MW               | MolForm | CAS#        | Qual |
| 1         | Naphthalene, 2-phenyl-              |       | 204              | C16H12  | 000612-94-2 | 70   |
| 2         | Naphthalene, 2-phenyl-              |       | 204              | C16H12  | 000612-94-2 | 70   |
| 3         | Naphthalene, 2-phenyl-              |       | 204              | C16H12  | 000612-94-2 | 70   |
| 4         | Naphthalene, 2-phenyl-              |       | 204              | C16H12  | 000612-94-2 | 70   |
| 5         | Tricyclo[8.2.2.2(4,7)]hexadeca-2... |       | 204              | C16H12  | 006572-60-7 | 62   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM063021\  
Data File : BM030742.D  
Acq On : 01 Jul 2021 14:23  
Operator : CG/JU  
Sample : M2825-06  
Misc :  
ALS Vial : 45 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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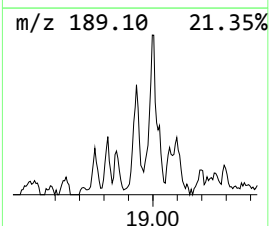
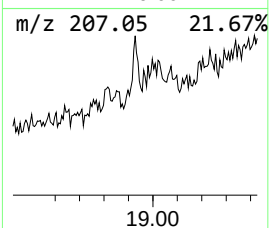
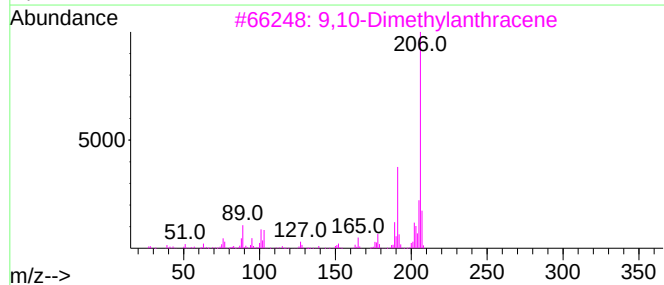
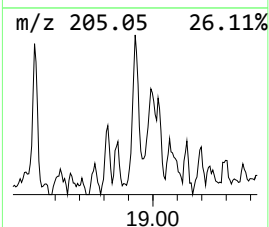
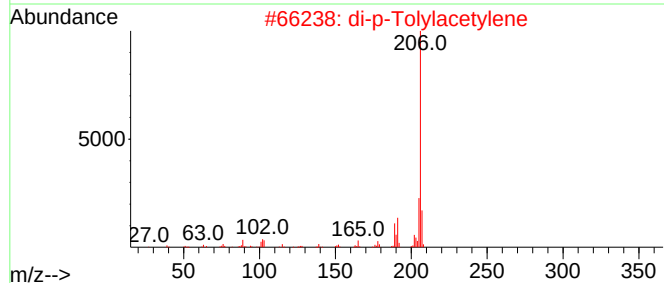
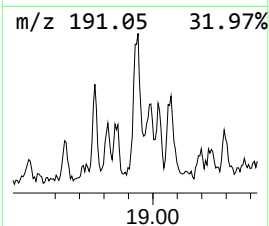
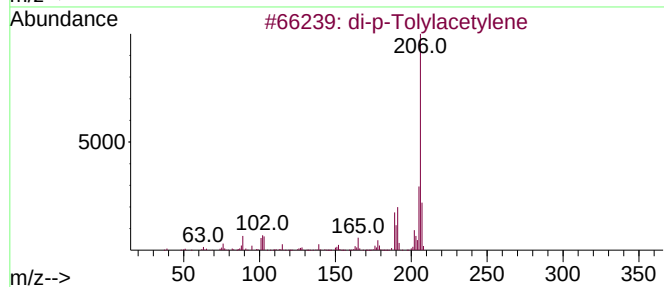
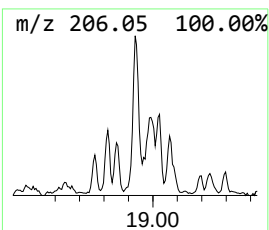
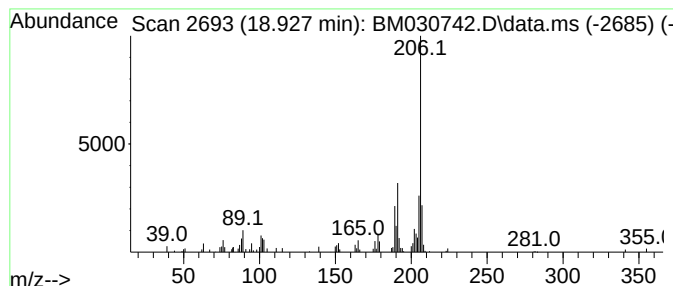
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Quant Title : SVOA CALIBRATION

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

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Peak Number 7 di-p-Tolylacetylene Concentration Rank 8

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.930 | 2.96 ng/ul | 102080 | Phenanthrene-d10 | 17.145 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | di-p-Tolylacetylene         | 206 | C16H14  | 002789-88-0 | 97   |
| 2    |    |   | di-p-Tolylacetylene         | 206 | C16H14  | 002789-88-0 | 94   |
| 3    |    |   | 9,10-Dimethylantracene      | 206 | C16H14  | 000781-43-1 | 93   |
| 4    |    |   | Phenanthrene, 1,7-dimethyl- | 206 | C16H14  | 000483-87-4 | 93   |
| 5    |    |   | Phenanthrene, 3,6-dimethyl- | 206 | C16H14  | 001576-67-6 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM063021\  
Data File : BM030742.D  
Acq On : 01 Jul 2021 14:23  
Operator : CG/JU  
Sample : M2825-06  
Misc :  
ALS Vial : 45 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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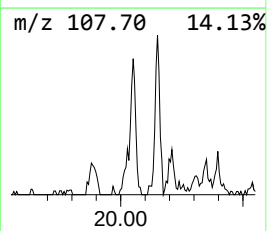
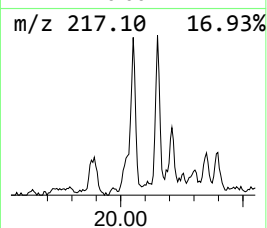
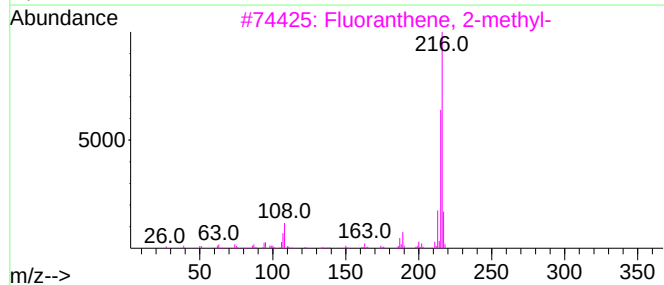
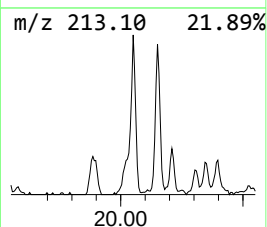
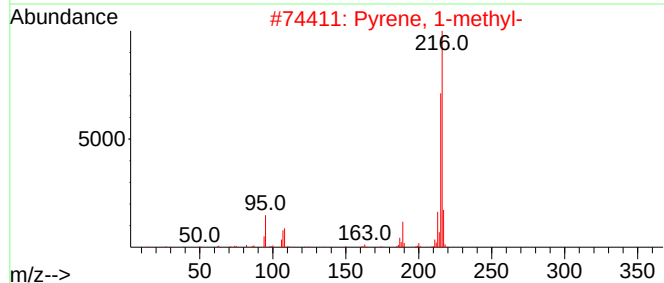
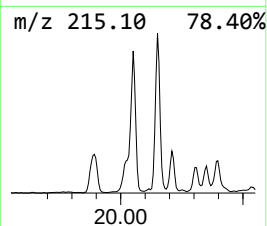
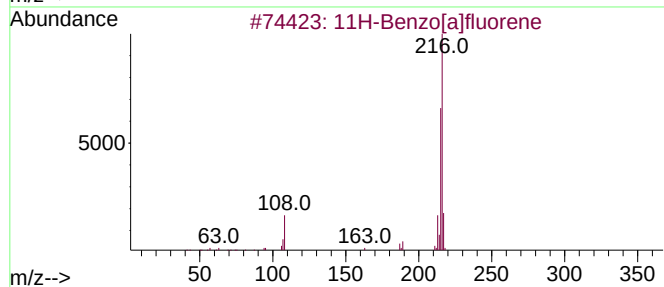
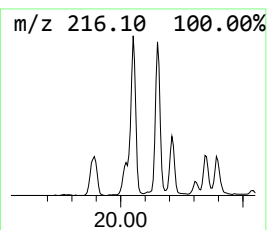
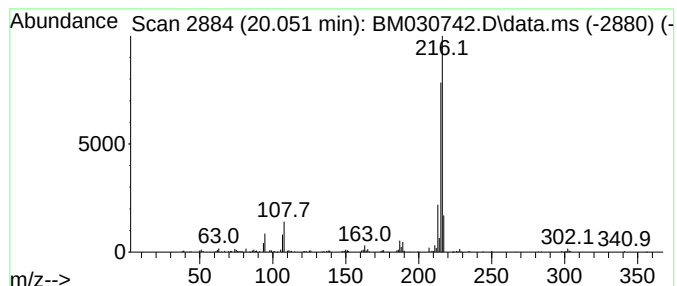
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Quant Title : SVOA CALIBRATION

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

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Peak Number 8 11H-Benzo[a]fluorene Concentration Rank 7

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 20.050 | 3.13 ng/ul | 285972 | Chrysene-d12     | 21.309 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 95   |
| 2    |    |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 93   |
| 3    |    |   | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 91   |
| 4    |    |   | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 91   |
| 5    |    |   | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM063021\  
Data File : BM030742.D  
Acq On : 01 Jul 2021 14:23  
Operator : CG/JU  
Sample : M2825-06  
Misc :  
ALS Vial : 45 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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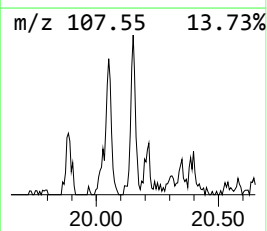
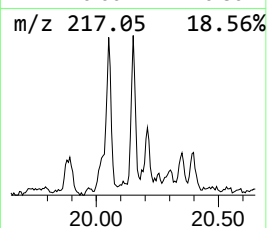
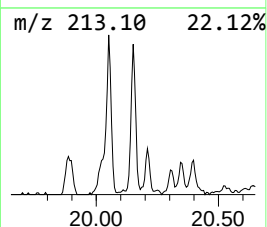
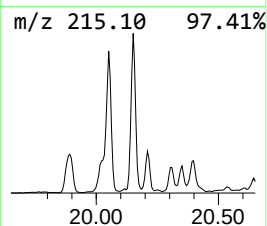
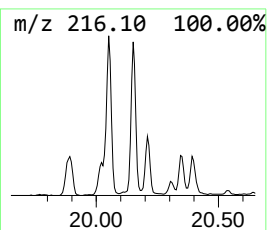
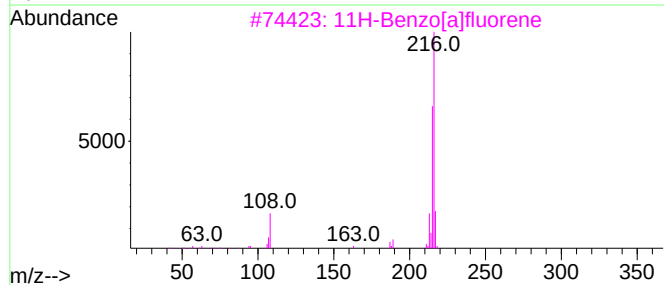
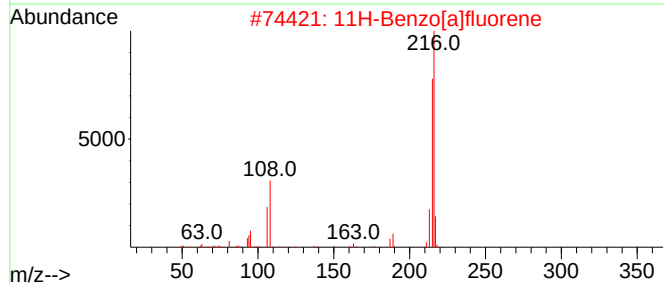
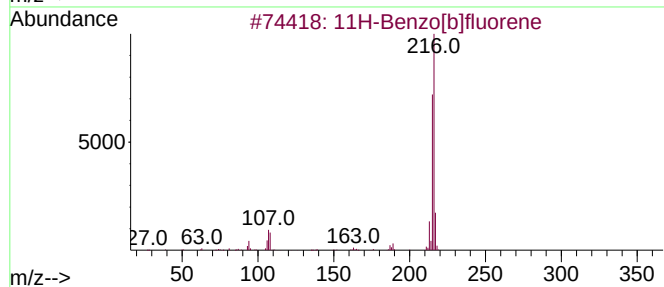
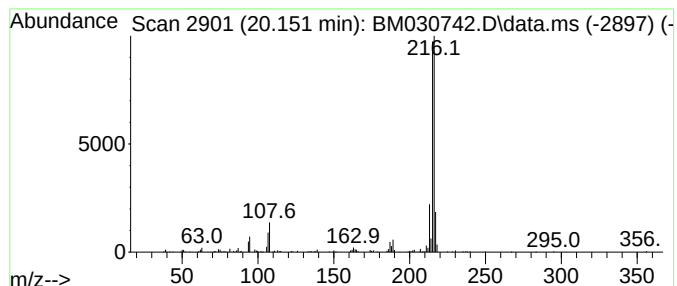
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM062221.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 9

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 20.150 | 2.61 ng/ul | 238673 | Chrysene-d12     | 21.309 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 94   |
| 2    |    |   | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 87   |
| 3    |    |   | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 81   |
| 4    |    |   | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 81   |
| 5    |    |   | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 80   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM063021\  
Data File : BM030742.D  
Acq On : 01 Jul 2021 14:23  
Operator : CG/JU  
Sample : M2825-06  
Misc :  
ALS Vial : 45 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BGDR0

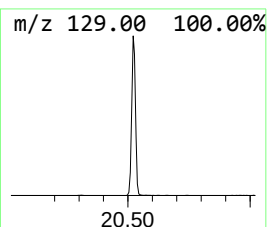
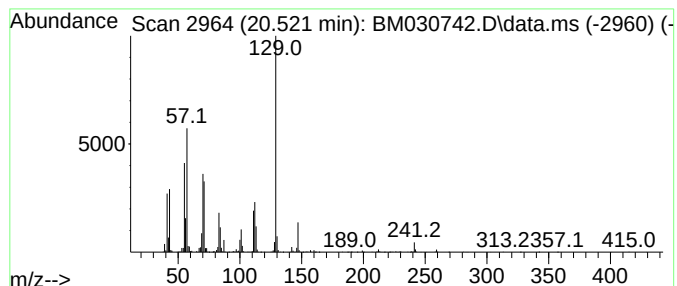
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Quant Title : SVOA CALIBRATION

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

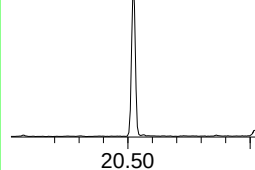
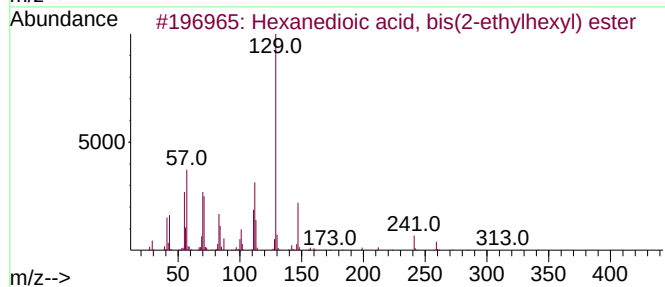
\*\*\*\*\*  
Peak Number 10 Hexanedioic acid, bis(2-eth... Concentration Rank 1

| R.T.   | EstConc     | Area   | Relative to ISTD | R.T.   |
|--------|-------------|--------|------------------|--------|
| 20.520 | 10.17 ng/ul | 929266 | Chrysene-d12     | 21.309 |

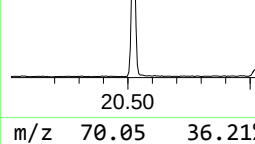
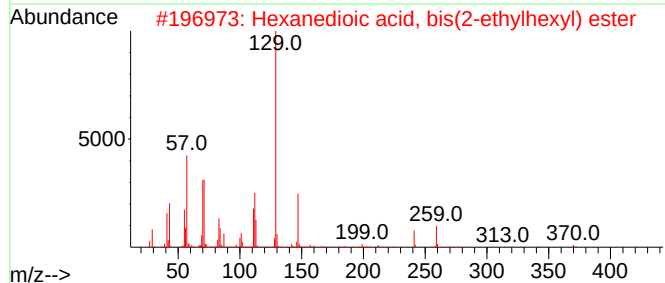
| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Hexanedioic acid, bis(2-ethylhex... | 370 | C22H42O4 | 000103-23-1 | 91   |
| 2    |    |   | Hexanedioic acid, bis(2-ethylhex... | 370 | C22H42O4 | 000103-23-1 | 87   |
| 3    |    |   | Hexanedioic acid, bis(2-ethylhex... | 370 | C22H42O4 | 000103-23-1 | 87   |
| 4    |    |   | Hexanedioic acid, bis(2-ethylhex... | 370 | C22H42O4 | 000103-23-1 | 87   |
| 5    |    |   | Diisooctyl adipate                  | 370 | C22H42O4 | 001330-86-5 | 86   |



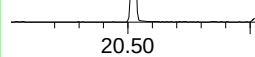
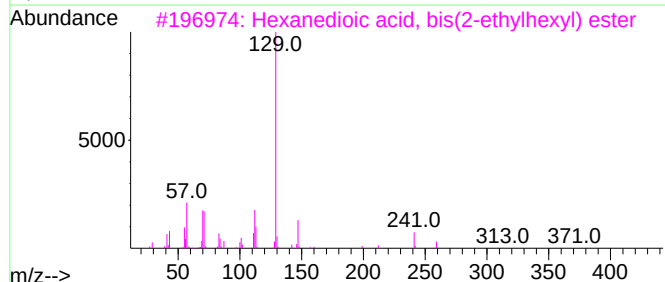
m/z 57.10 57.22%



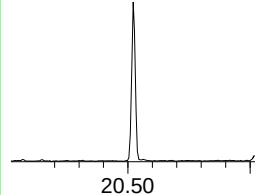
m/z 70.05 36.21%



m/z 241.0 32.69%



m/z 20.50



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM063021\  
Data File : BM030742.D  
Acq On : 01 Jul 2021 14:23  
Operator : CG/JU  
Sample : M2825-06  
Misc :  
ALS Vial : 45 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BGDR0

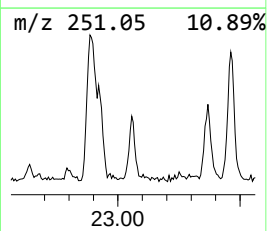
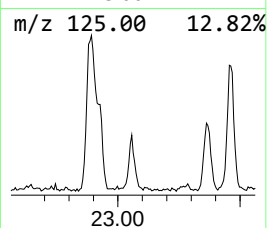
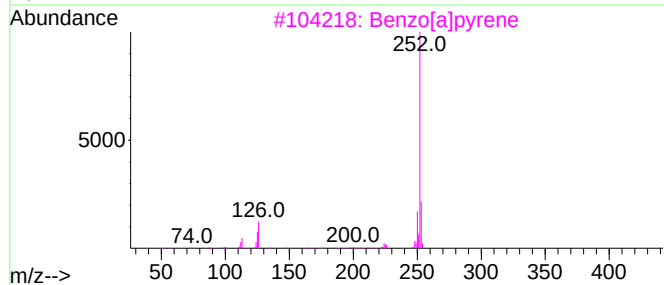
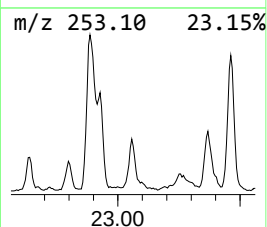
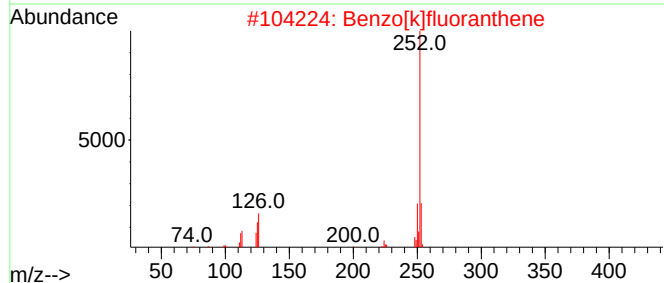
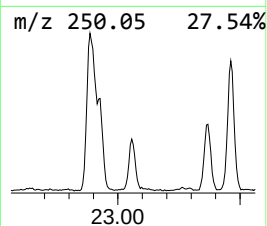
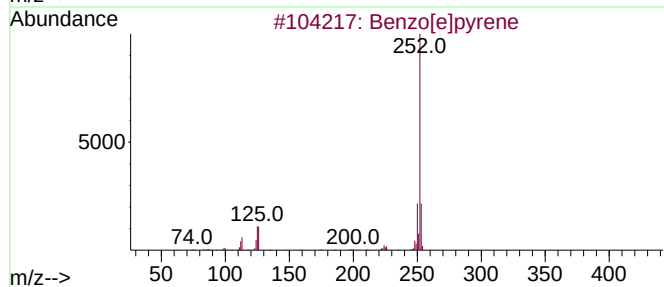
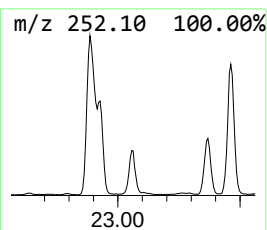
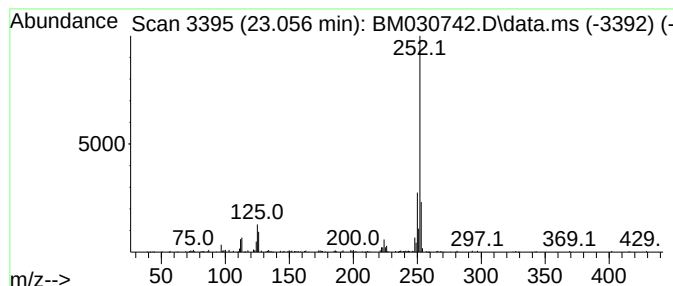
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM062221.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 11 Benzo[e]pyrene Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 23.060 | 3.75 ng/ul | 171008 | Perylene-d12     | 23.562 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[e]pyrene           | 252 | C20H12  | 000192-97-2 | 96   |
| 2    |    |   | Benzo[k]fluoranthene     | 252 | C20H12  | 000207-08-9 | 95   |
| 3    |    |   | Benzo[a]pyrene           | 252 | C20H12  | 000050-32-8 | 90   |
| 4    |    |   | Benz[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 90   |
| 5    |    |   | Benz[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 89   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM063021\  
 Data File : BM030742.D  
 Acq On : 01 Jul 2021 14:23  
 Operator : CG/JU  
 Sample : M2825-06  
 Misc :  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BGDR0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM062221.M  
 Quant Title : SVOA 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 |
| Phenanthrene, 2... | 18.020 | 3.7     | ng/ul | 127314   | 4                     | 17.145 | 690391  | 20.0 |
| Phenanthrene, 1... | 18.060 | 4.8     | ng/ul | 164235   | 4                     | 17.145 | 690391  | 20.0 |
| Anthracene, 2-m... | 18.150 | 3.1     | ng/ul | 108496   | 4                     | 17.145 | 690391  | 20.0 |
| 4H-Cyclopenta[d... | 18.210 | 6.9     | ng/ul | 239502   | 4                     | 17.145 | 690391  | 20.0 |
| Benzene, 1,1'-(... | 18.240 | 2.1     | ng/ul | 72308    | 4                     | 17.145 | 690391  | 20.0 |
| Naphthalene, 2-... | 18.520 | 2.3     | ng/ul | 79904    | 4                     | 17.145 | 690391  | 20.0 |
| di-p-Tolylacety... | 18.930 | 3.0     | ng/ul | 102080   | 4                     | 17.145 | 690391  | 20.0 |
| 11H-Benzo[a]flu... | 20.050 | 3.1     | ng/ul | 285972   | 5                     | 21.309 | 1828110 | 20.0 |
| 11H-Benzo[b]flu... | 20.150 | 2.6     | ng/ul | 238673   | 5                     | 21.309 | 1828110 | 20.0 |
| Hexanedioic aci... | 20.520 | 10.2    | ng/ul | 929266   | 5                     | 21.309 | 1828110 | 20.0 |
| Benzo[e]pyrene     | 23.060 | 3.8     | ng/ul | 171008   | 6                     | 23.562 | 911642  | 20.0 |