

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082322\  
 Data File : BG054714.D  
 Acq On : 23 Aug 2022 19:46  
 Operator : CG/JU  
 Sample : N4275-01 2X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-03-081922

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG082222.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG054714.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 5.226       | 325           | 330         | 339          | rVB      | 33250          | 55468         | 3.17%           | 0.307%        |
| 2         | 5.702       | 403           | 411         | 424          | rVB      | 322675         | 553965        | 31.65%          | 3.067%        |
| 3         | 7.306       | 675           | 684         | 694          | rBV      | 348072         | 611263        | 34.92%          | 3.384%        |
| 4         | 8.164       | 822           | 830         | 838          | rBV      | 224414         | 388971        | 22.22%          | 2.153%        |
| 5         | 9.333       | 1021          | 1029        | 1041         | rBV      | 206220         | 377848        | 21.59%          | 2.092%        |
| 6         | 10.990      | 1303          | 1311        | 1317         | rBV      | 315114         | 579766        | 33.12%          | 3.210%        |
| 7         | 11.037      | 1317          | 1319        | 1325         | rVB      | 16278          | 24704         | 1.41%           | 0.137%        |
| 8         | 12.635      | 1585          | 1591        | 1596         | rVB      | 24363          | 39108         | 2.23%           | 0.217%        |
| 9         | 12.852      | 1617          | 1628        | 1633         | rBV      | 30763          | 53960         | 3.08%           | 0.299%        |
| 10        | 13.416      | 1717          | 1724        | 1731         | rVB      | 577119         | 894351        | 51.09%          | 4.951%        |
| 11        | 13.969      | 1811          | 1818        | 1824         | rVB4     | 13859          | 32104         | 1.83%           | 0.178%        |
| 12        | 14.110      | 1832          | 1842        | 1848         | rBV      | 30612          | 58349         | 3.33%           | 0.323%        |
| 13        | 14.168      | 1848          | 1852        | 1857         | rVB2     | 16103          | 24405         | 1.39%           | 0.135%        |
| 14        | 14.345      | 1879          | 1882        | 1887         | rBV2     | 13325          | 21199         | 1.21%           | 0.117%        |
| 15        | 14.521      | 1906          | 1912        | 1918         | rBV2     | 27450          | 53566         | 3.06%           | 0.297%        |
| 16        | 14.791      | 1947          | 1958        | 1964         | rBV      | 477829         | 779674        | 44.54%          | 4.316%        |
| 17        | 14.856      | 1964          | 1969        | 1976         | rVV      | 95522          | 152616        | 8.72%           | 0.845%        |
| 18        | 15.185      | 2019          | 2025        | 2033         | rVB2     | 54954          | 88632         | 5.06%           | 0.491%        |
| 19        | 15.255      | 2033          | 2037        | 2042         | rVB2     | 14639          | 20915         | 1.19%           | 0.116%        |
| 20        | 15.396      | 2056          | 2061        | 2066         | rBV4     | 13913          | 27404         | 1.57%           | 0.152%        |
| 21        | 15.573      | 2083          | 2091        | 2094         | rBV9     | 11877          | 28226         | 1.61%           | 0.156%        |
| 22        | 15.831      | 2129          | 2135        | 2144         | rVB      | 116394         | 197490        | 11.28%          | 1.093%        |
| 23        | 15.996      | 2159          | 2163        | 2168         | rVB7     | 13914          | 20283         | 1.16%           | 0.112%        |
| 24        | 16.125      | 2180          | 2185        | 2191         | rVB2     | 20890          | 39060         | 2.23%           | 0.216%        |
| 25        | 16.272      | 2201          | 2210        | 2219         | rBV      | 367148         | 593227        | 33.89%          | 3.284%        |
| 26        | 16.501      | 2245          | 2249        | 2257         | rVB5     | 20031          | 37152         | 2.12%           | 0.206%        |
| 27        | 16.642      | 2268          | 2273        | 2277         | rBV7     | 9989           | 20415         | 1.17%           | 0.113%        |
| 28        | 16.836      | 2299          | 2306        | 2311         | rBV2     | 26428          | 54008         | 3.09%           | 0.299%        |
| 29        | 16.883      | 2311          | 2314        | 2321         | rVB2     | 19326          | 28401         | 1.62%           | 0.157%        |
| 30        | 16.989      | 2327          | 2332        | 2336         | rVB2     | 20458          | 31220         | 1.78%           | 0.173%        |
| 31        | 17.059      | 2339          | 2344        | 2347         | rVV5     | 11179          | 19275         | 1.10%           | 0.107%        |
| 32        | 17.188      | 2362          | 2366        | 2372         | rVB3     | 17282          | 27191         | 1.55%           | 0.151%        |
| 33        | 17.265      | 2375          | 2379        | 2385         | rBV6     | 15077          | 27645         | 1.58%           | 0.153%        |
| 34        | 17.359      | 2390          | 2395        | 2401         | rVB      | 55850          | 92223         | 5.27%           | 0.511%        |
| 35        | 17.535      | 2419          | 2425        | 2429         | rBV      | 530765         | 860402        | 49.15%          | 4.763%        |
| 36        | 17.582      | 2429          | 2433        | 2439         | rVV      | 817225         | 1207487       | 68.98%          | 6.685%        |

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 Sample : N4275-01 2X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-03-081922

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG082222.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 37 | 17.670 | 2443 | 2448 | 2453 | rVV  | 193698  | 292089  | 16.69%  | 1.617% |
| 38 | 17.723 | 2454 | 2457 | 2462 | rVB  | 23208   | 39657   | 2.27%   | 0.220% |
| 39 | 17.935 | 2489 | 2493 | 2501 | rVB  | 77764   | 116752  | 6.67%   | 0.646% |
| 40 | 18.052 | 2510 | 2513 | 2517 | rBV2 | 14459   | 21877   | 1.25%   | 0.121% |
| 41 | 18.117 | 2521 | 2524 | 2529 | rVB2 | 28715   | 42041   | 2.40%   | 0.233% |
| 42 | 18.270 | 2545 | 2550 | 2555 | rBV2 | 23622   | 47870   | 2.73%   | 0.265% |
| 43 | 18.411 | 2569 | 2574 | 2578 | rBV  | 125699  | 203337  | 11.62%  | 1.126% |
| 44 | 18.458 | 2578 | 2582 | 2589 | rVB  | 163996  | 255750  | 14.61%  | 1.416% |
| 45 | 18.540 | 2592 | 2596 | 2601 | rBV  | 47766   | 78602   | 4.49%   | 0.435% |
| 46 | 18.604 | 2601 | 2607 | 2611 | rBV3 | 193582  | 373142  | 21.32%  | 2.066% |
| 47 | 18.904 | 2654 | 2658 | 2661 | rBV  | 76738   | 102700  | 5.87%   | 0.569% |
| 48 | 18.945 | 2662 | 2665 | 2673 | rVB3 | 47471   | 83908   | 4.79%   | 0.465% |
| 49 | 19.198 | 2705 | 2708 | 2711 | rVB  | 34896   | 34997   | 2.00%   | 0.194% |
| 50 | 19.321 | 2724 | 2729 | 2733 | rBV  | 95659   | 166094  | 9.49%   | 0.920% |
| 51 | 19.456 | 2749 | 2752 | 2767 | rVB4 | 45023   | 121188  | 6.92%   | 0.671% |
| 52 | 19.586 | 2768 | 2774 | 2779 | rBV  | 1145469 | 1651159 | 94.33%  | 9.141% |
| 53 | 19.915 | 2825 | 2830 | 2831 | rBV  | 164547  | 238185  | 13.61%  | 1.319% |
| 54 | 19.944 | 2831 | 2835 | 2843 | rVB  | 1017198 | 1561261 | 89.19%  | 8.643% |
| 55 | 20.138 | 2862 | 2868 | 2872 | rVB  | 801665  | 1084137 | 61.93%  | 6.002% |
| 56 | 20.267 | 2885 | 2890 | 2896 | rBV2 | 60203   | 145696  | 8.32%   | 0.807% |
| 57 | 20.432 | 2915 | 2918 | 2923 | rVB  | 211028  | 269959  | 15.42%  | 1.495% |
| 58 | 20.532 | 2931 | 2935 | 2939 | rBV2 | 155091  | 195796  | 11.19%  | 1.084% |
| 59 | 20.731 | 2966 | 2969 | 2973 | rBV  | 79488   | 104238  | 5.95%   | 0.577% |
| 60 | 20.778 | 2974 | 2977 | 2986 | rVB  | 93183   | 161146  | 9.21%   | 0.892% |
| 61 | 21.824 | 3148 | 3155 | 3161 | rBV4 | 624241  | 1750496 | 100.00% | 9.691% |
| 62 | 21.883 | 3161 | 3165 | 3177 | rVB  | 403665  | 799061  | 45.65%  | 4.424% |

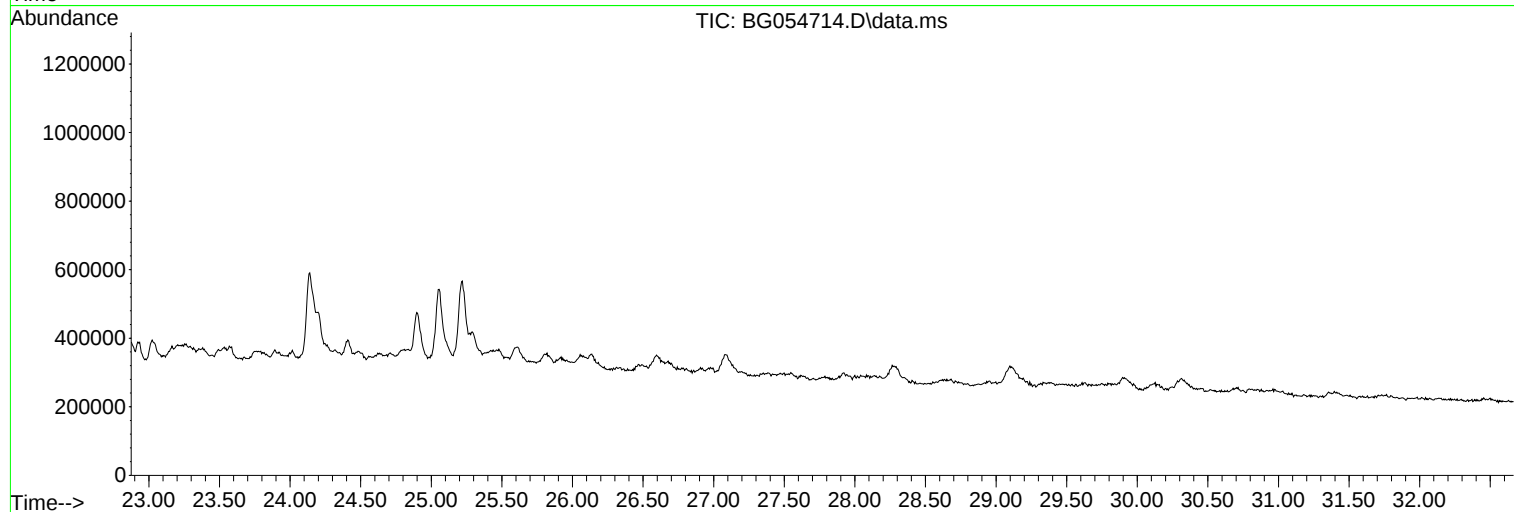
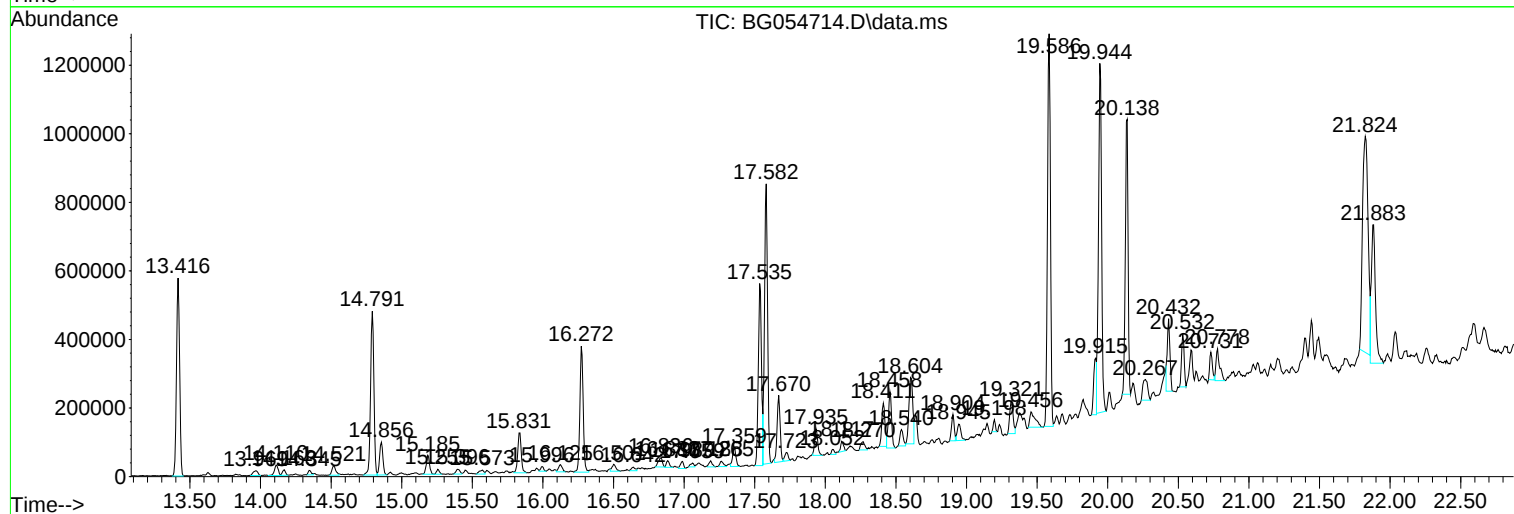
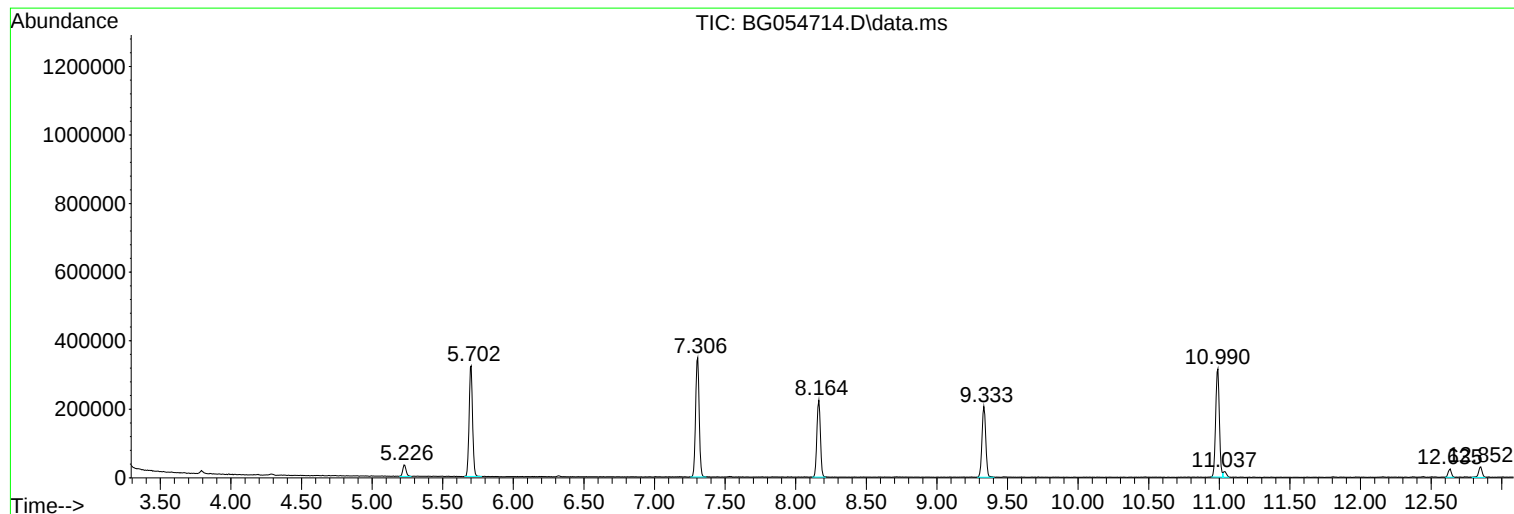
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Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
OR-03-081922

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG082222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082322\  
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Sample : N4275-01 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
OR-03-081922

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG082222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

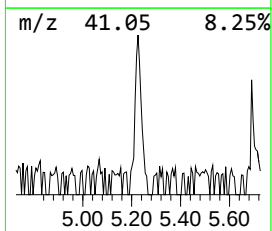
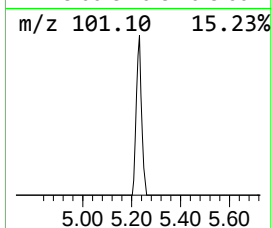
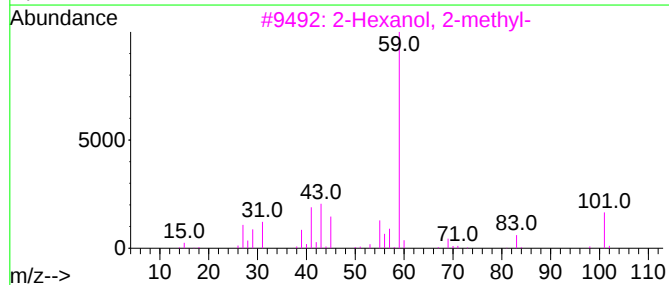
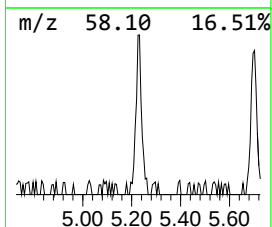
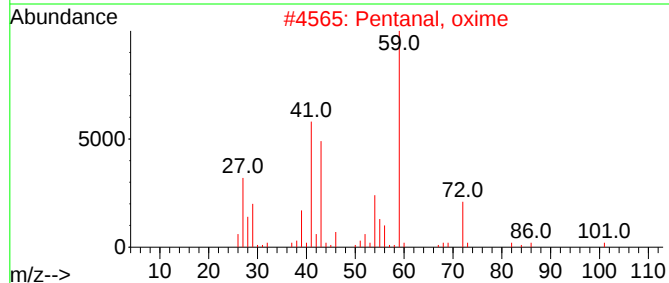
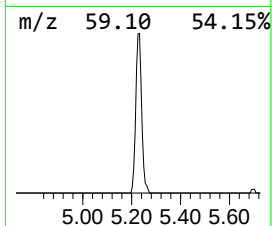
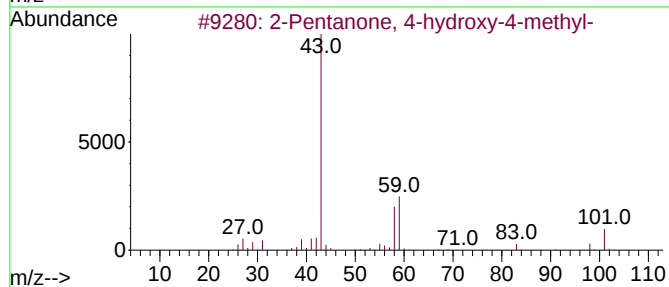
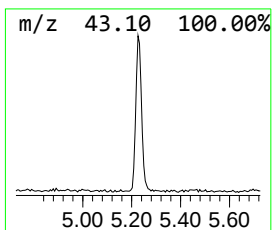
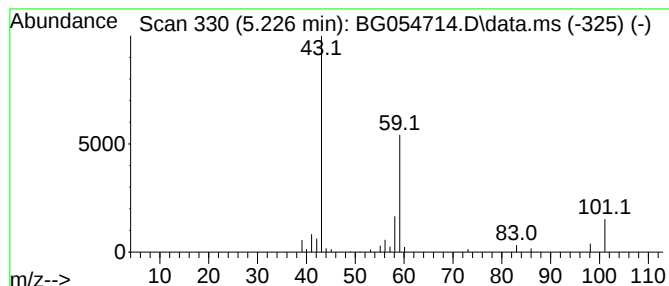
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 5.226 | 2.85 ng | 55468 | 1,4-Dichlorobenzene-d4 | 8.164 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2      | 000123-42-2 | 59      |      |      |
| 2    | Pentanal, oxime                     | 101 | C5H11NO      | 000628-79-5 | 28      |      |      |
| 3    | 2-Hexanol, 2-methyl-                | 116 | C7H16O       | 000625-23-0 | 28      |      |      |
| 4    | 1,2-Butanediol                      | 90  | C4H10O2      | 000584-03-2 | 23      |      |      |
| 5    | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2     | 001116-98-9 | 23      |      |      |



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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG082222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

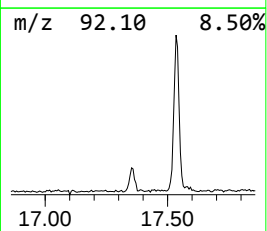
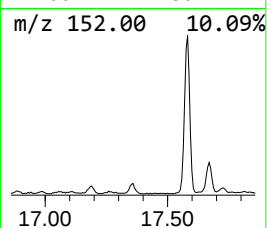
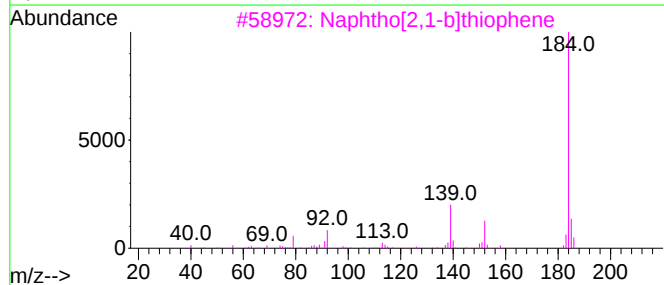
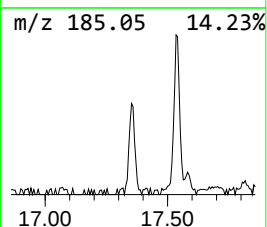
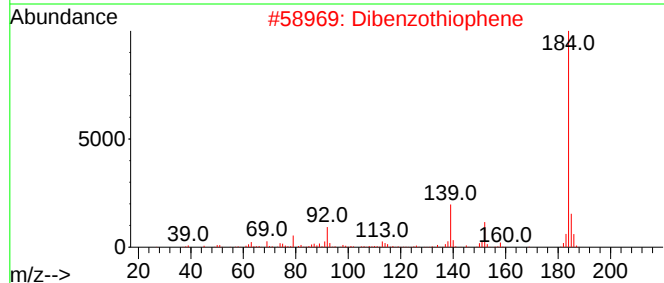
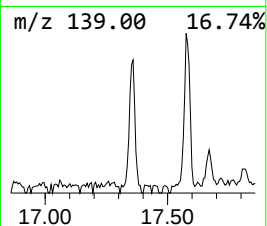
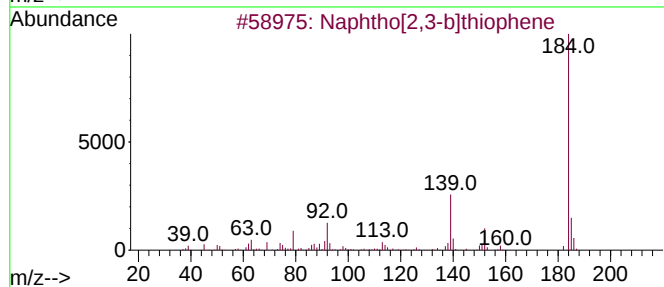
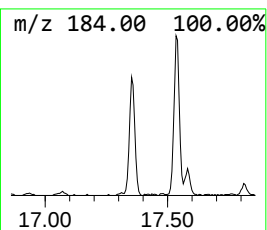
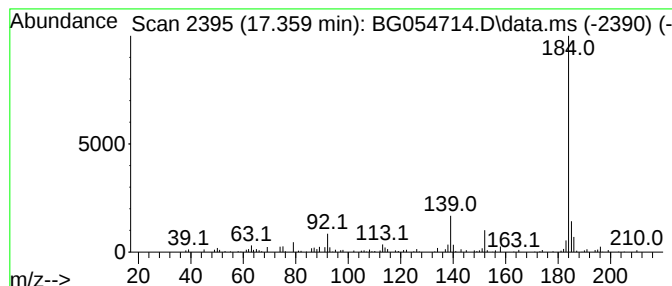
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Naphtho[2,3-b]thiophene Concentration Rank 11

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 17.359 | 2.14 ng | 92223 | Phenanthrene-d10 | 17.535 |

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



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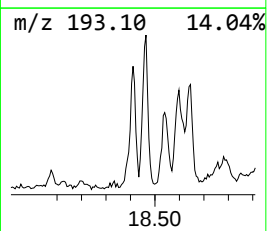
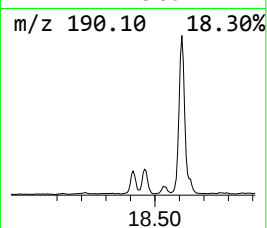
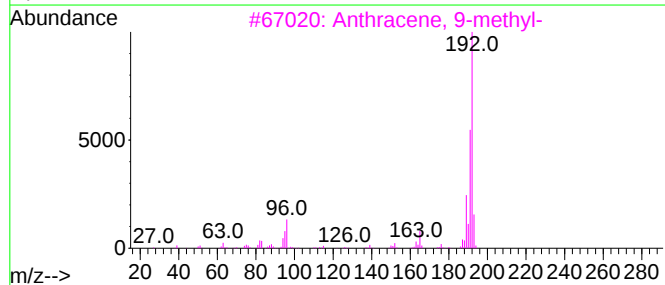
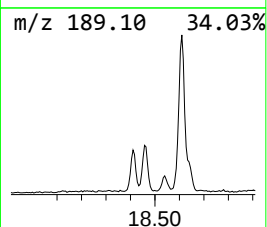
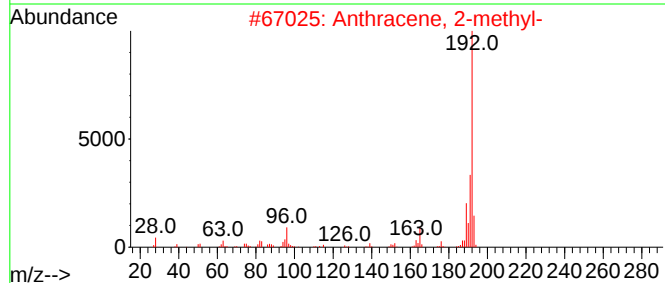
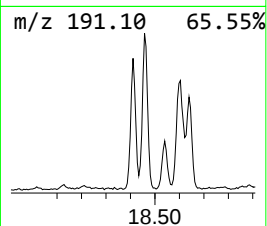
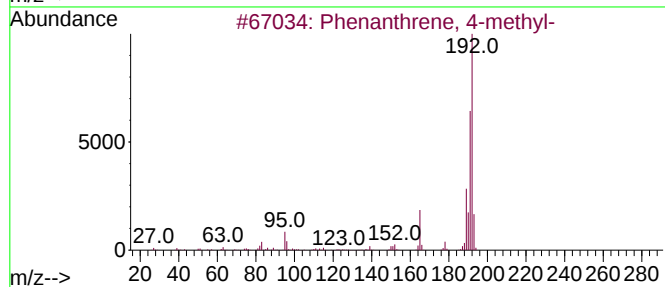
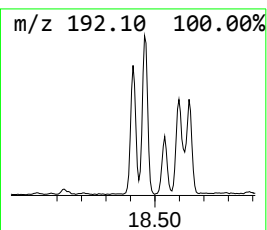
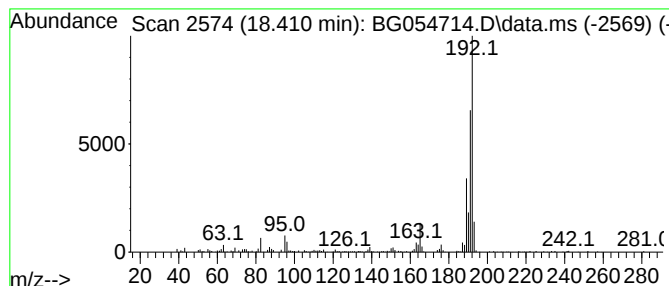
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG082222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 Phenanthrene, 4-methyl- Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.410 | 4.73 ng | 203337 | Phenanthrene-d10 | 17.535 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | Phenanthrene, 4-methyl-             | 192 | C15H12  | 000832-64-4 | 94   |
| 2    |      | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 94   |
| 3    |      | Anthracene, 9-methyl-               | 192 | C15H12  | 000779-02-2 | 93   |
| 4    |      | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 93   |
| 5    |      | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 93   |



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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG082222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

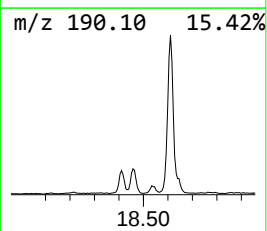
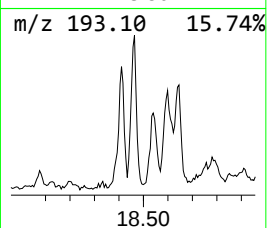
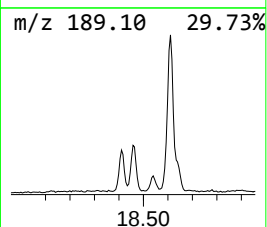
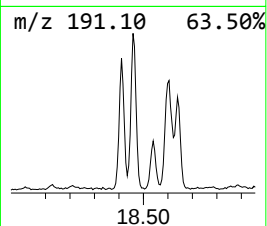
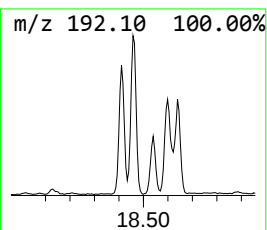
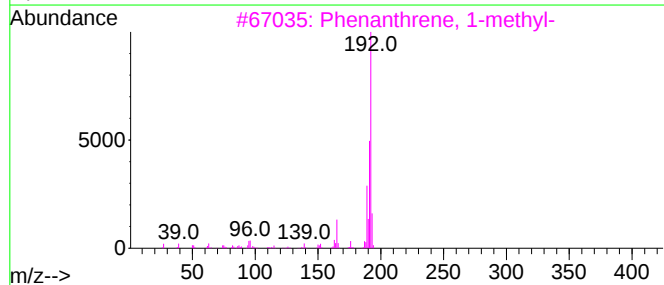
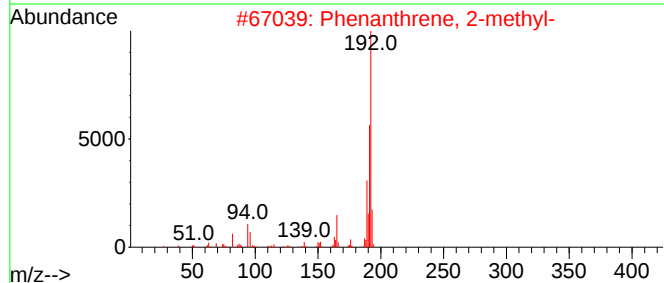
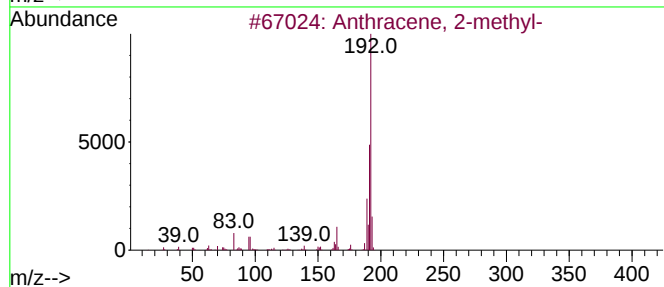
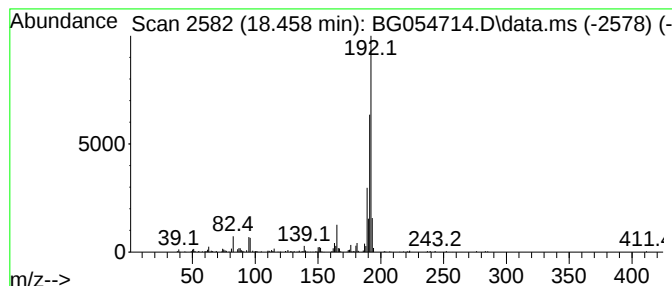
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Anthracene, 2-methyl- Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.458 | 5.94 ng | 255750 | Phenanthrene-d10 | 17.535 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 97   |
| 2    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 97   |
| 3    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 96   |
| 4    |    |   | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 96   |
| 5    |    |   | Anthracene, 9-methyl-               | 192 | C15H12  | 000779-02-2 | 95   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082322\  
Data File : BG054714.D  
Acq On : 23 Aug 2022 19:46  
Operator : CG/JU  
Sample : N4275-01 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
OR-03-081922

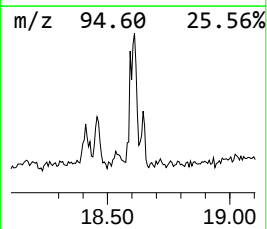
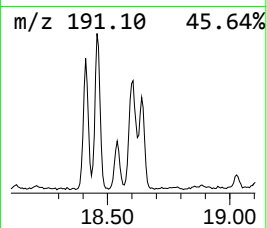
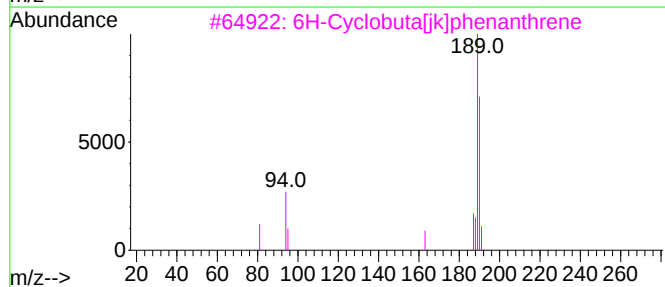
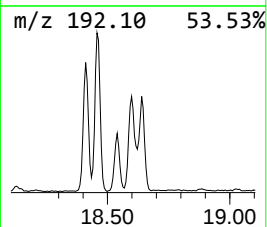
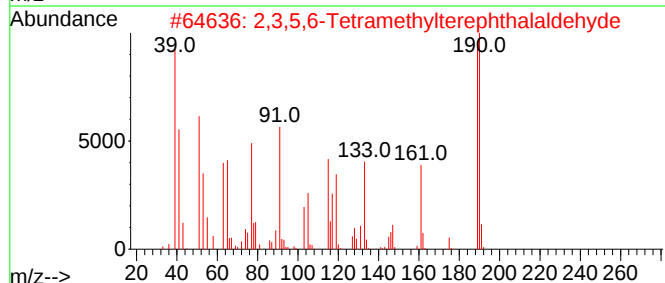
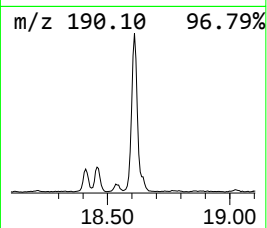
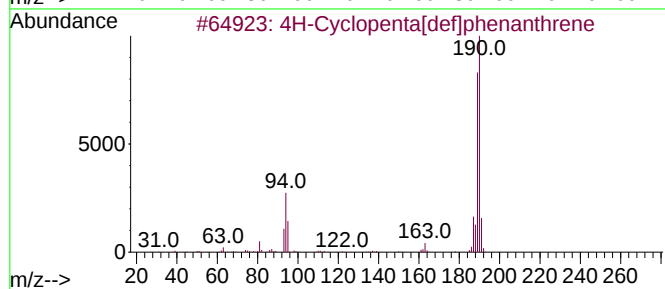
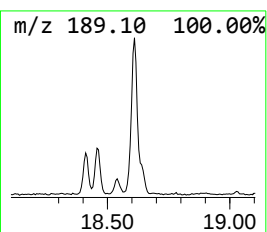
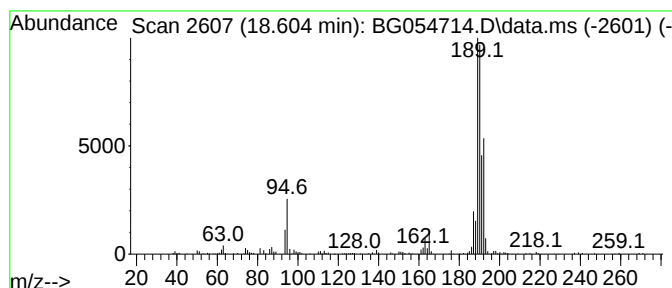
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 18.604    | 8.67 ng                             | 373142 | Phenanthrene-d10 | 17.535      |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 4H-Cyclopenta[def]phenanthrene      | 190    | C15H10           | 000203-64-5 | 70   |
| 2         | 2,3,5,6-Tetramethylterephthalald... | 190    | C12H14O2         | 007072-01-7 | 43   |
| 3         | 6H-Cyclobuta[jk]phenanthrene        | 190    | C15H10           | 083469-43-6 | 40   |
| 4         | Methyl diselenide                   | 190    | C2H6Se2          | 007101-31-7 | 27   |
| 5         | Phenanthrene, 4-methyl-             | 192    | C15H12           | 000832-64-4 | 20   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082322\  
Data File : BG054714.D  
Acq On : 23 Aug 2022 19:46  
Operator : CG/JU  
Sample : N4275-01 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
OR-03-081922

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG082222.M  
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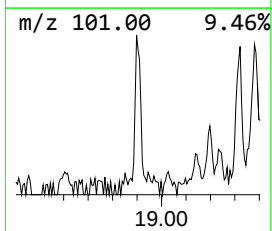
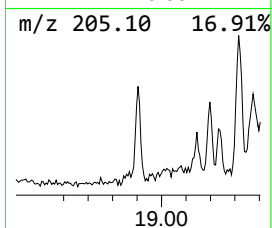
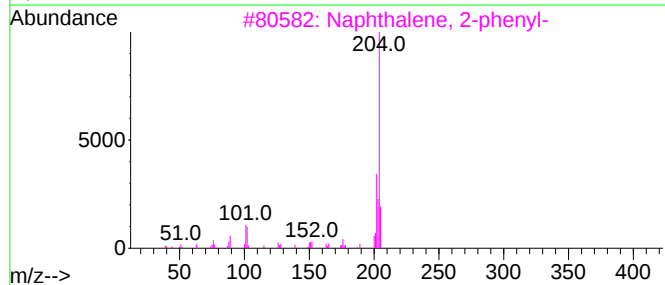
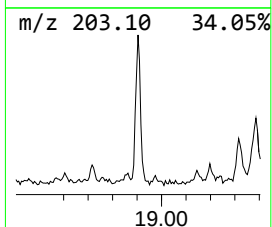
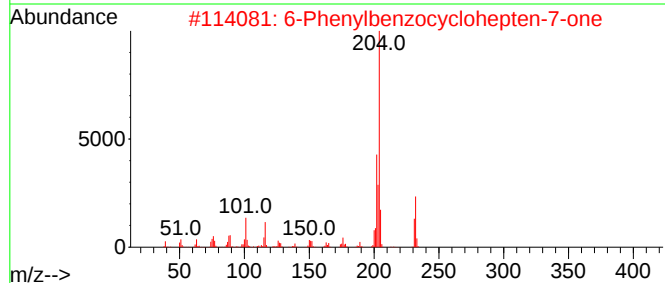
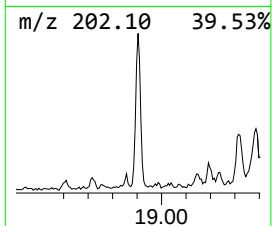
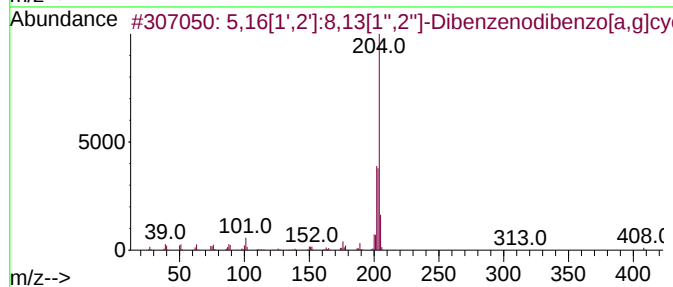
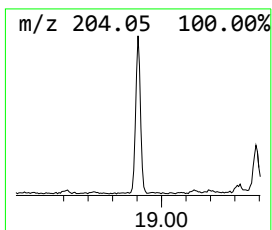
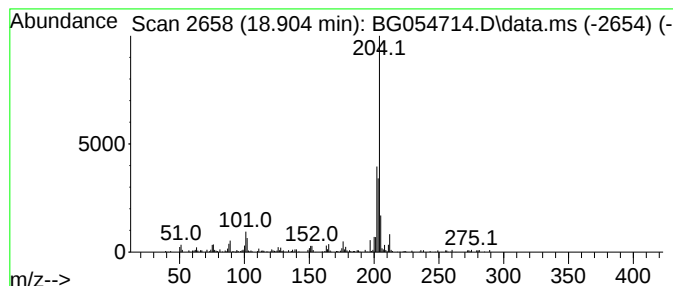
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 8

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.904 | 2.39 ng | 102700 | Phenanthrene-d10 | 17.535 |

| Hit# | of 5                                | Tentative ID | MW        | MolForm     | CAS# | Qual |
|------|-------------------------------------|--------------|-----------|-------------|------|------|
| 1    | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408          | C32H24    | 005672-97-9 | 91   |      |
| 2    | 6-Phenylbenzocyclohepten-7-one      | 232          | C17H12O   | 093327-56-1 | 90   |      |
| 3    | Naphthalene, 2-phenyl-              | 204          | C16H12    | 000612-94-2 | 86   |      |
| 4    | 9,10-di(Chloromethyl)anthracene     | 274          | C16H12Cl2 | 010387-13-0 | 83   |      |
| 5    | 9,10-Bis(bromomethyl)anthracene     | 362          | C16H12Br2 | 034373-96-1 | 70   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082322\  
Data File : BG054714.D  
Acq On : 23 Aug 2022 19:46  
Operator : CG/JU  
Sample : N4275-01 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
OR-03-081922

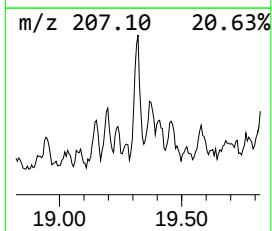
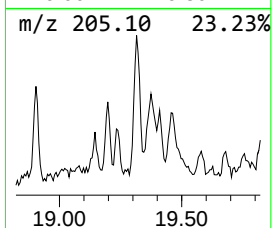
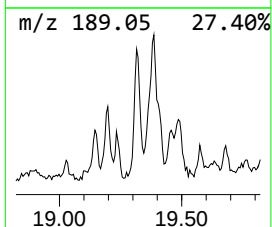
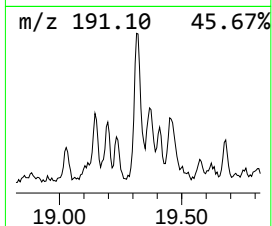
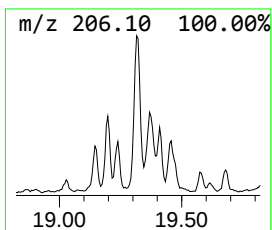
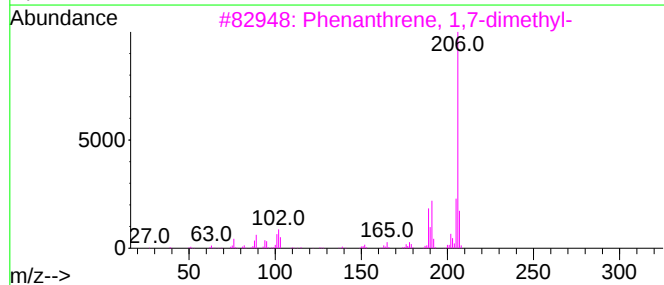
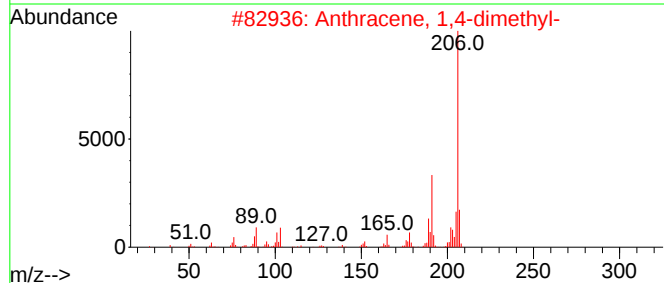
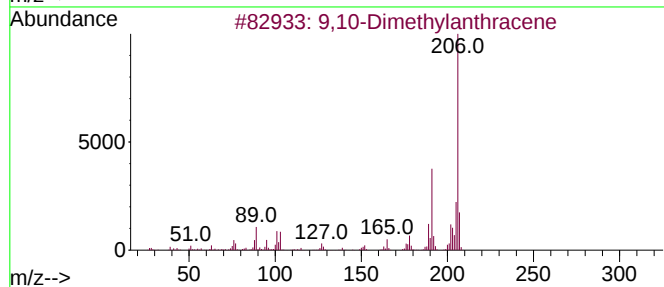
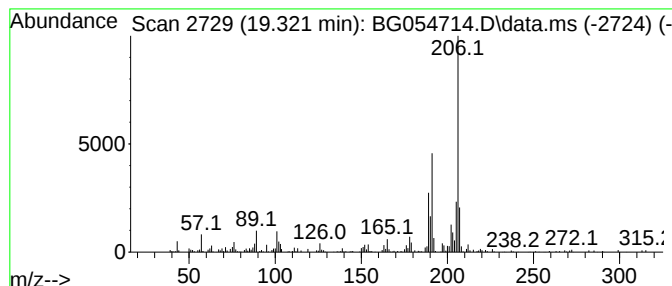
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 9,10-Dimethylantracene Concentration Rank 4

| R.T.      | EstConc                     | Area   | Relative to ISTD |         | R.T.        |      |
|-----------|-----------------------------|--------|------------------|---------|-------------|------|
| 19.321    | 3.86 ng                     | 166094 | Phenanthrene-d10 |         | 17.535      |      |
| Hit# of 5 | Tentative ID                |        | MW               | MolForm | CAS#        | Qual |
| 1         | 9,10-Dimethylantracene      |        | 206              | C16H14  | 000781-43-1 | 93   |
| 2         | Anthracene, 1,4-dimethyl-   |        | 206              | C16H14  | 000781-92-0 | 93   |
| 3         | Phenanthrene, 1,7-dimethyl- |        | 206              | C16H14  | 000483-87-4 | 91   |
| 4         | di-p-Tolylacetylene         |        | 206              | C16H14  | 002789-88-0 | 91   |
| 5         | Phenanthrene, 2,3-dimethyl- |        | 206              | C16H14  | 003674-65-5 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082322\  
Data File : BG054714.D  
Acq On : 23 Aug 2022 19:46  
Operator : CG/JU  
Sample : N4275-01 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
OR-03-081922

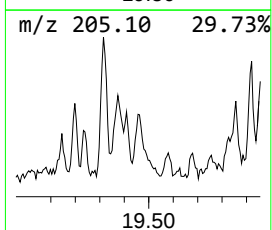
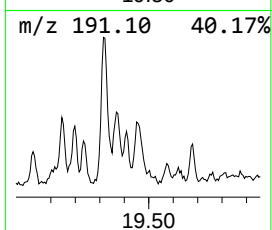
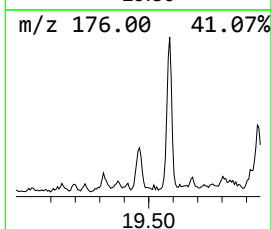
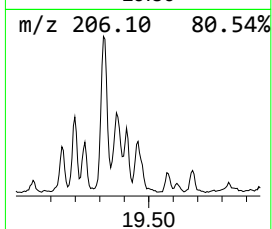
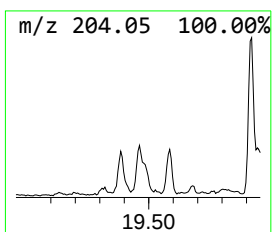
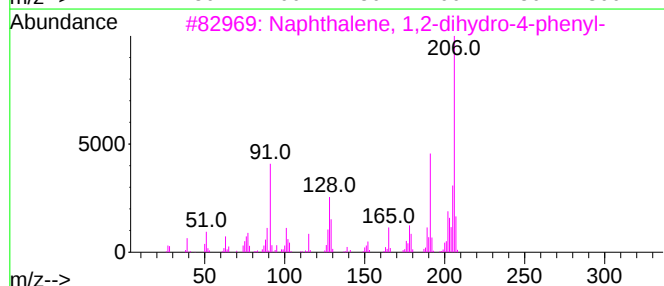
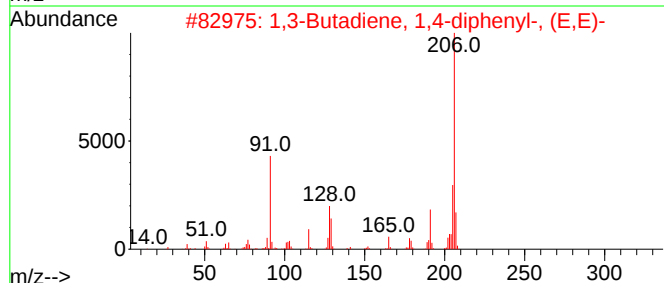
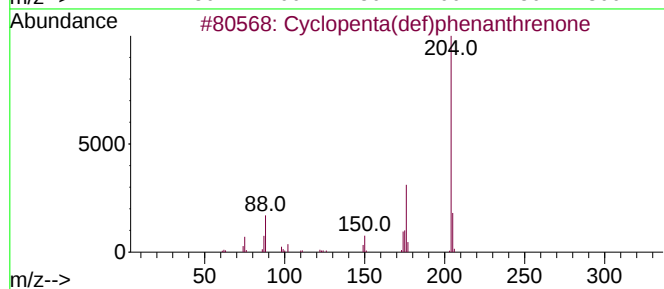
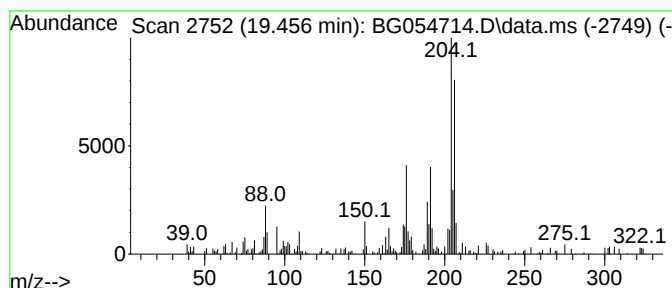
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 7

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 19.456    | 2.82 ng                             | 121188 | Phenanthrene-d10 | 17.535      |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Cyclopenta(def)phenanthrenone       | 204    | C15H8O           | 005737-13-3 | 83   |
| 2         | 1,3-Butadiene, 1,4-diphenyl-, (E... | 206    | C16H14           | 000538-81-8 | 50   |
| 3         | Naphthalene, 1,2-dihydro-4-phenyl-  | 206    | C16H14           | 007469-40-1 | 50   |
| 4         | Phenanthrene, 2,5-dimethyl-         | 206    | C16H14           | 003674-66-6 | 50   |
| 5         | 1,3-Diphenyl-3-methylcyclopropene   | 206    | C16H14           | 086544-79-8 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082322\  
Data File : BG054714.D  
Acq On : 23 Aug 2022 19:46  
Operator : CG/JU  
Sample : N4275-01 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

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OR-03-081922

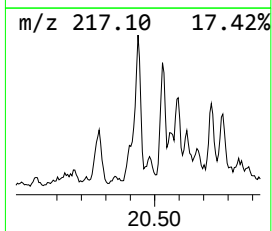
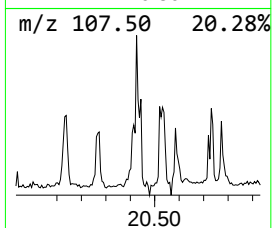
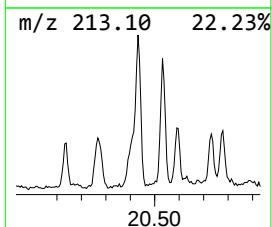
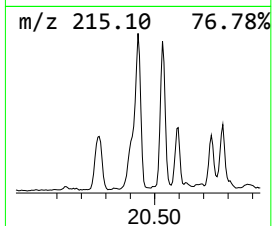
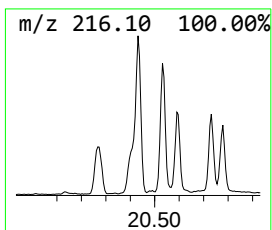
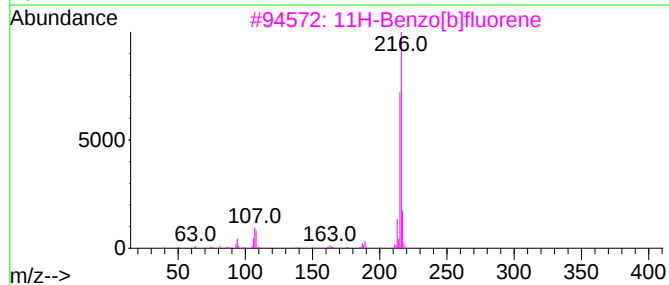
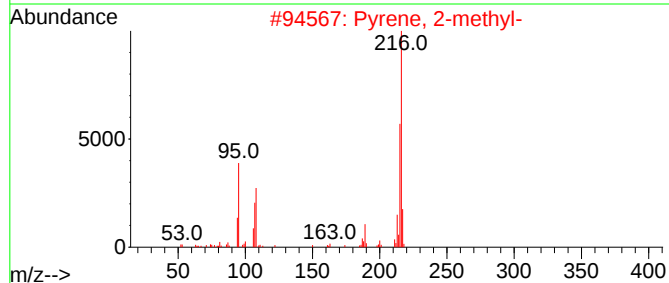
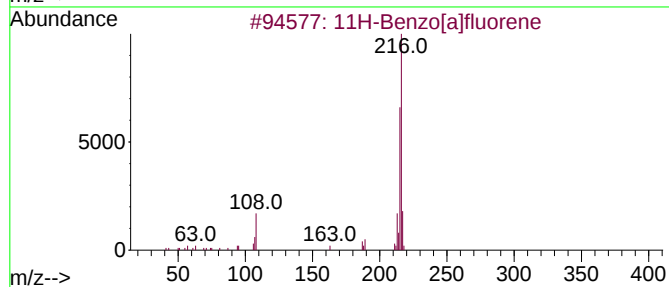
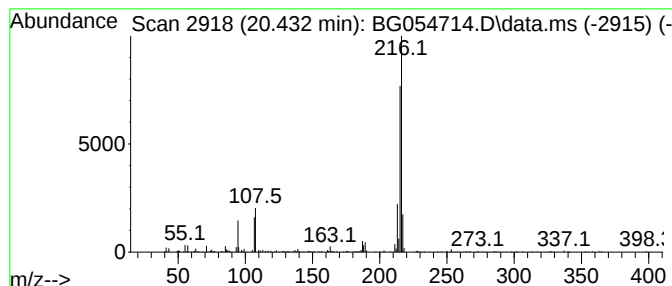
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 11H-Benzo[a]fluorene Concentration Rank 5

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 20.432 | 3.08 ng | 269959 | Chrysene-d12     | 21.836 |

| Hit# | of 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------|-----|---------|-------------|------|
| 1    |      | 11H-Benzo[a]fluorene | 216 | C17H12  | 000238-84-6 | 95   |
| 2    |      | Pyrene, 2-methyl-    | 216 | C17H12  | 003442-78-2 | 91   |
| 3    |      | 11H-Benzo[b]fluorene | 216 | C17H12  | 000243-17-4 | 90   |
| 4    |      | Pyrene, 1-methyl-    | 216 | C17H12  | 002381-21-7 | 87   |
| 5    |      | 7H-Benzo[c]fluorene  | 216 | C17H12  | 000205-12-9 | 83   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082322\  
Data File : BG054714.D  
Acq On : 23 Aug 2022 19:46  
Operator : CG/JU  
Sample : N4275-01 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
OR-03-081922

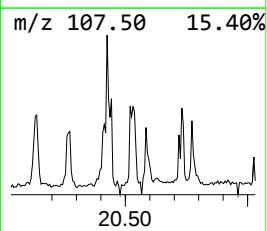
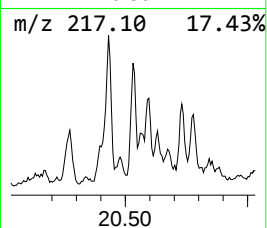
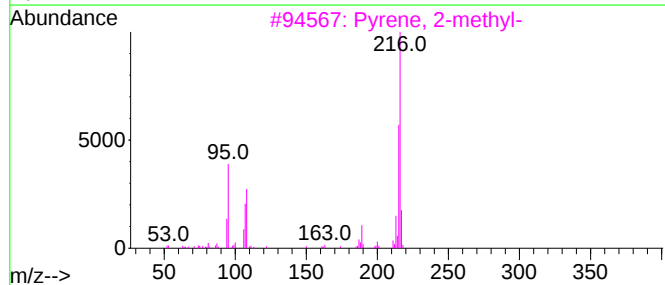
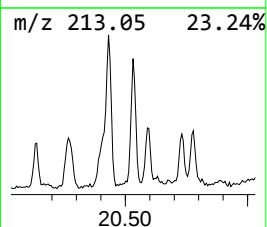
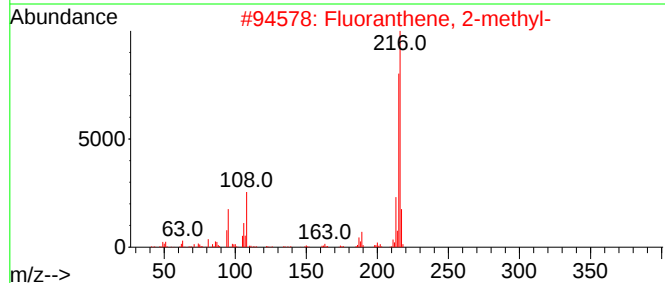
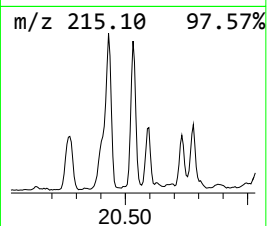
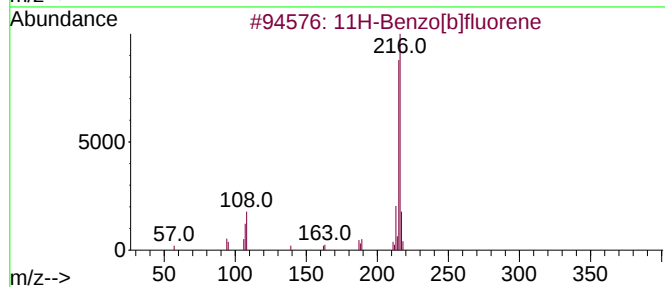
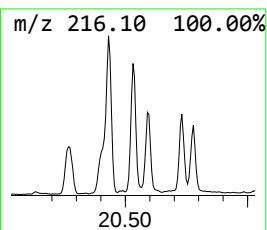
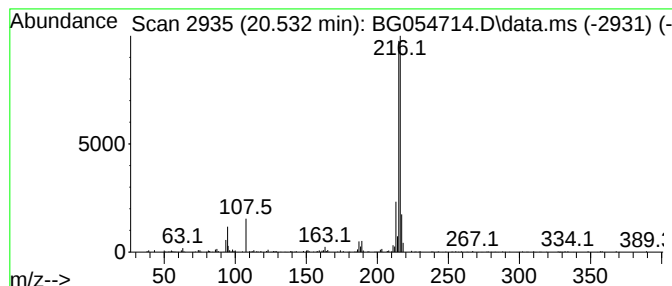
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG082222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 10

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 20.532 | 2.24 ng | 195796 | Chrysene-d12     | 21.836 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|------------|-------------|------|
| 1    |    |   | 11H-Benzo[b]fluorene                | 216 | C17H12     | 000243-17-4 | 93   |
| 2    |    |   | Fluoranthene, 2-methyl-             | 216 | C17H12     | 033543-31-6 | 87   |
| 3    |    |   | Pyrene, 2-methyl-                   | 216 | C17H12     | 003442-78-2 | 76   |
| 4    |    |   | 11H-Benzo[a]fluorene                | 216 | C17H12     | 000238-84-6 | 76   |
| 5    |    |   | Benzoic acid, 3-(3,5-dimethyl-1-... | 216 | C12H12N2O2 | 312531-88-7 | 59   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082322\  
Data File : BG054714.D  
Acq On : 23 Aug 2022 19:46  
Operator : CG/JU  
Sample : N4275-01 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
OR-03-081922

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG082222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| 2-Pentanone, 4-... | 5.226  | 2.9     | ng    | 55468    | 1                     | 8.164  | 388971  | 20.0 |
| Naphtho[2,3-b]t... | 17.359 | 2.1     | ng    | 92223    | 4                     | 17.535 | 860402  | 20.0 |
| Phenanthrene, 4... | 18.410 | 4.7     | ng    | 203337   | 4                     | 17.535 | 860402  | 20.0 |
| Anthracene, 2-m... | 18.458 | 5.9     | ng    | 255750   | 4                     | 17.535 | 860402  | 20.0 |
| 4H-Cyclopenta[d... | 18.604 | 8.7     | ng    | 373142   | 4                     | 17.535 | 860402  | 20.0 |
| 5,16[1',2']:8,1... | 18.904 | 2.4     | ng    | 102700   | 4                     | 17.535 | 860402  | 20.0 |
| 9,10-Dimethylan... | 19.321 | 3.9     | ng    | 166094   | 4                     | 17.535 | 860402  | 20.0 |
| Cyclopenta(def)... | 19.456 | 2.8     | ng    | 121188   | 4                     | 17.535 | 860402  | 20.0 |
| 11H-Benzo[a]flu... | 20.432 | 3.1     | ng    | 269959   | 5                     | 21.836 | 1750500 | 20.0 |
| 11H-Benzo[b]flu... | 20.532 | 2.2     | ng    | 195796   | 5                     | 21.836 | 1750500 | 20.0 |