

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF081420\  
 Data File : BF121297.D  
 Acq On : 14 Aug 2020 21:26  
 Operator : JU/CG  
 Sample : L3677-02 2X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-6

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0  
 Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

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

Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF081320.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 4.869       | 471           | 473         | 481          | rVB      | 13897          | 15284         | 1.50%           | 0.123%        |
| 2         | 5.298       | 543           | 546         | 559          | rBV      | 705938         | 725737        | 71.03%          | 5.835%        |
| 3         | 6.339       | 720           | 723         | 734          | rBV      | 915345         | 745553        | 72.97%          | 5.994%        |
| 4         | 6.539       | 754           | 757         | 763          | rBV      | 39474          | 44664         | 4.37%           | 0.359%        |
| 5         | 6.704       | 782           | 785         | 794          | rBV      | 705982         | 540064        | 52.86%          | 4.342%        |
| 6         | 7.269       | 877           | 881         | 884          | rBV      | 581871         | 488650        | 47.82%          | 3.929%        |
| 7         | 7.733       | 957           | 960         | 964          | rBV      | 15274          | 12433         | 1.22%           | 0.100%        |
| 8         | 7.986       | 1000          | 1003        | 1007         | rBV      | 863428         | 725076        | 70.96%          | 5.830%        |
| 9         | 9.063       | 1183          | 1186        | 1190         | rBV      | 1249251        | 963622        | 94.31%          | 7.748%        |
| 10        | 9.151       | 1195          | 1201        | 1203         | rBV2     | 26171          | 30988         | 3.03%           | 0.249%        |
| 11        | 9.186       | 1204          | 1207        | 1210         | rVB      | 53942          | 46195         | 4.52%           | 0.371%        |
| 12        | 9.404       | 1240          | 1244        | 1246         | rBV2     | 17896          | 20056         | 1.96%           | 0.161%        |
| 13        | 9.463       | 1250          | 1254        | 1258         | rVV      | 161560         | 146183        | 14.31%          | 1.175%        |
| 14        | 9.563       | 1268          | 1271        | 1275         | rBV3     | 12868          | 15781         | 1.54%           | 0.127%        |
| 15        | 9.604       | 1275          | 1278        | 1281         | rBV      | 39493          | 43710         | 4.28%           | 0.351%        |
| 16        | 9.680       | 1289          | 1291        | 1295         | rBV      | 43043          | 35107         | 3.44%           | 0.282%        |
| 17        | 9.739       | 1298          | 1301        | 1305         | rVV      | 989177         | 843819        | 82.58%          | 6.784%        |
| 18        | 9.780       | 1305          | 1308        | 1312         | rVB5     | 14270          | 14980         | 1.47%           | 0.120%        |
| 19        | 9.916       | 1327          | 1331        | 1333         | rBV5     | 8696           | 15469         | 1.51%           | 0.124%        |
| 20        | 9.939       | 1333          | 1335        | 1341         | rVB3     | 16098          | 19805         | 1.94%           | 0.159%        |
| 21        | 10.039      | 1348          | 1352        | 1354         | rBV5     | 7319           | 12200         | 1.19%           | 0.098%        |
| 22        | 10.080      | 1357          | 1359        | 1362         | rVB3     | 15291          | 14893         | 1.46%           | 0.120%        |
| 23        | 10.116      | 1362          | 1365        | 1368         | rBV3     | 9836           | 15411         | 1.51%           | 0.124%        |
| 24        | 10.151      | 1368          | 1371        | 1373         | rVV3     | 18728          | 17642         | 1.73%           | 0.142%        |
| 25        | 10.180      | 1373          | 1376        | 1378         | rVV      | 47764          | 42536         | 4.16%           | 0.342%        |
| 26        | 10.204      | 1378          | 1380        | 1384         | rVB4     | 18394          | 21844         | 2.14%           | 0.176%        |
| 27        | 10.398      | 1410          | 1413        | 1416         | rBV      | 33505          | 27673         | 2.71%           | 0.222%        |
| 28        | 10.527      | 1431          | 1435        | 1440         | rBV      | 685660         | 597090        | 58.44%          | 4.801%        |
| 29        | 10.651      | 1453          | 1456        | 1465         | rBV3     | 78217          | 128807        | 12.61%          | 1.036%        |
| 30        | 11.098      | 1530          | 1532        | 1535         | rBV      | 56468          | 51891         | 5.08%           | 0.417%        |
| 31        | 11.127      | 1535          | 1537        | 1542         | rVB2     | 49016          | 49963         | 4.89%           | 0.402%        |
| 32        | 11.192      | 1546          | 1548        | 1550         | rBV2     | 27350          | 21225         | 2.08%           | 0.171%        |
| 33        | 11.222      | 1550          | 1553        | 1556         | rBV      | 985606         | 893546        | 87.45%          | 7.184%        |
| 34        | 11.245      | 1556          | 1557        | 1561         | rVV      | 134537         | 96353         | 9.43%           | 0.775%        |

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Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6

Integration Parameters: rteint.p  
Integrator: RTE  
Smoothing : ON  
Sampling : 1  
Start Thrs: 0.2  
Stop Thrs : 0  
Filtering: 5  
Min Area: 3 % of largest Peak  
Max Peaks: 100  
Peak Location: TOP

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

Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF081320.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 11.298 | 1564 | 1566 | 1569 | rVB  | 31587   | 25296   | 2.48%   | 0.203% |
| 36 | 11.527 | 1602 | 1605 | 1607 | rBV  | 54755   | 45352   | 4.44%   | 0.365% |
| 37 | 11.757 | 1641 | 1644 | 1649 | rBV2 | 40853   | 45738   | 4.48%   | 0.368% |
| 38 | 11.839 | 1655 | 1658 | 1660 | rBV  | 31280   | 30528   | 2.99%   | 0.245% |
| 39 | 11.933 | 1671 | 1674 | 1676 | rVB  | 42336   | 33669   | 3.30%   | 0.271% |
| 40 | 12.033 | 1687 | 1691 | 1692 | rBV2 | 32127   | 45133   | 4.42%   | 0.363% |
| 41 | 12.274 | 1729 | 1732 | 1736 | rBV2 | 34769   | 41496   | 4.06%   | 0.334% |
| 42 | 12.433 | 1756 | 1759 | 1762 | rVB  | 361623  | 289476  | 28.33%  | 2.327% |
| 43 | 12.527 | 1773 | 1775 | 1778 | rBV  | 23985   | 24927   | 2.44%   | 0.200% |
| 44 | 12.663 | 1793 | 1798 | 1801 | rBV  | 328176  | 326189  | 31.92%  | 2.623% |
| 45 | 12.810 | 1819 | 1823 | 1830 | rVB  | 1081375 | 1021765 | 100.00% | 8.215% |
| 46 | 12.986 | 1851 | 1853 | 1857 | rVB  | 56089   | 57157   | 5.59%   | 0.460% |
| 47 | 13.051 | 1861 | 1864 | 1867 | rVV2 | 30135   | 36442   | 3.57%   | 0.293% |
| 48 | 13.092 | 1868 | 1871 | 1874 | rVV2 | 44882   | 46515   | 4.55%   | 0.374% |
| 49 | 13.186 | 1885 | 1887 | 1889 | rVB  | 34347   | 24234   | 2.37%   | 0.195% |
| 50 | 13.498 | 1937 | 1940 | 1944 | rVB  | 47214   | 49983   | 4.89%   | 0.402% |
| 51 | 13.857 | 1996 | 2001 | 2004 | rBV2 | 886260  | 904149  | 88.49%  | 7.269% |
| 52 | 13.880 | 2004 | 2005 | 2011 | rVB  | 159548  | 141007  | 13.80%  | 1.134% |
| 53 | 14.868 | 2170 | 2173 | 2182 | rVB  | 199919  | 348662  | 34.12%  | 2.803% |
| 54 | 15.151 | 2219 | 2221 | 2228 | rVB  | 122775  | 169429  | 16.58%  | 1.362% |
| 55 | 15.209 | 2228 | 2231 | 2237 | rBV  | 155451  | 196384  | 19.22%  | 1.579% |
| 56 | 15.274 | 2237 | 2242 | 2245 | rBV  | 635636  | 766190  | 74.99%  | 6.160% |
| 57 | 16.586 | 2461 | 2465 | 2469 | rBV5 | 101244  | 171499  | 16.78%  | 1.379% |
| 58 | 17.045 | 2539 | 2543 | 2547 | rVB  | 67808   | 112269  | 10.99%  | 0.903% |

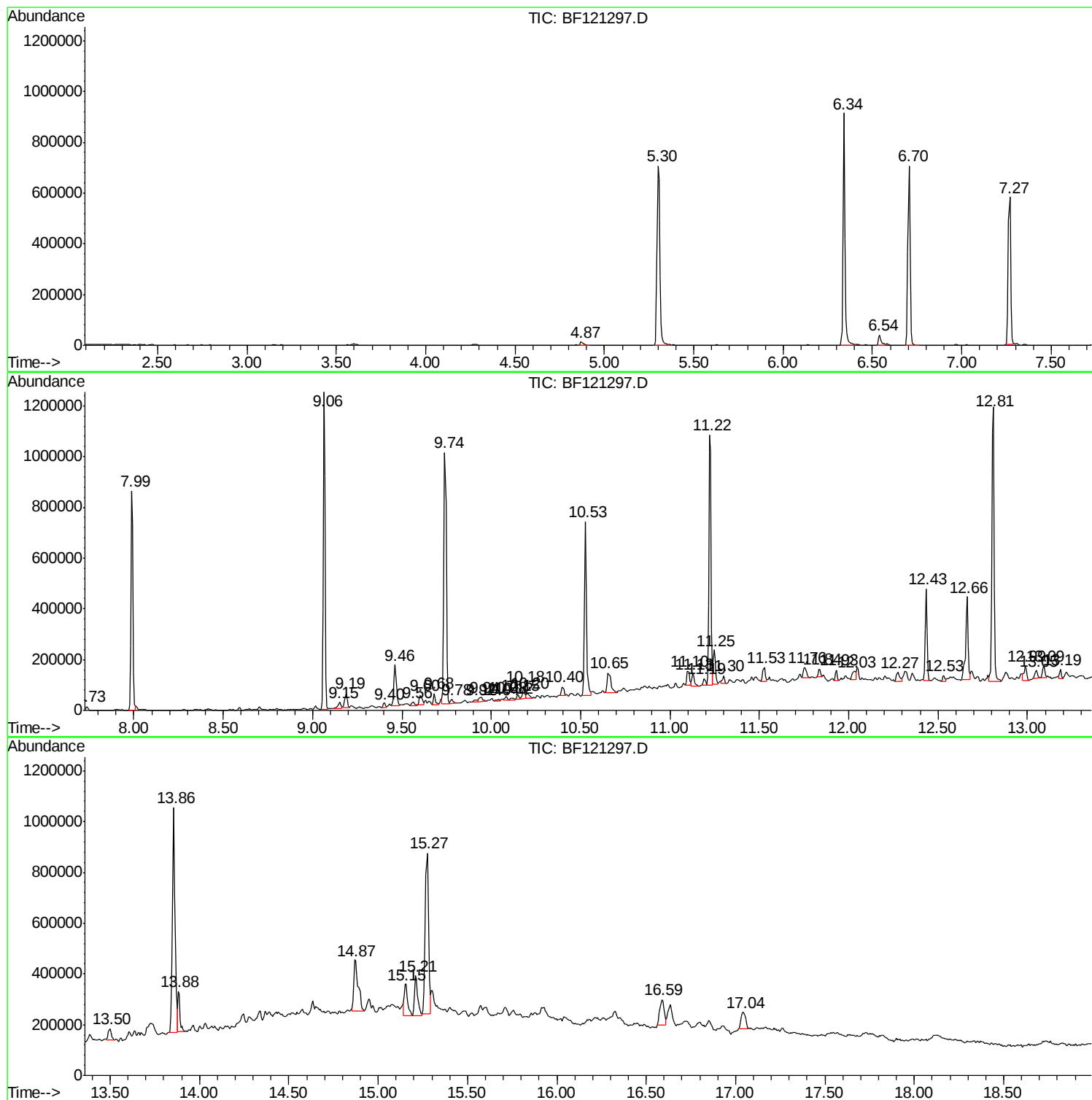
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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
TP-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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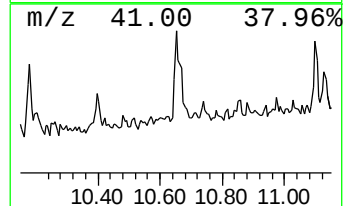
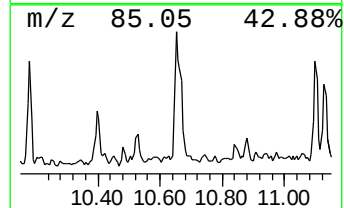
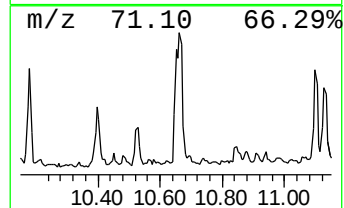
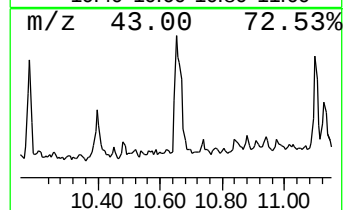
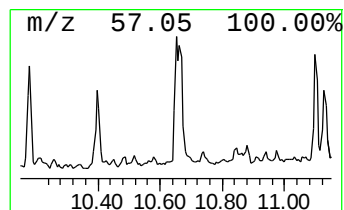
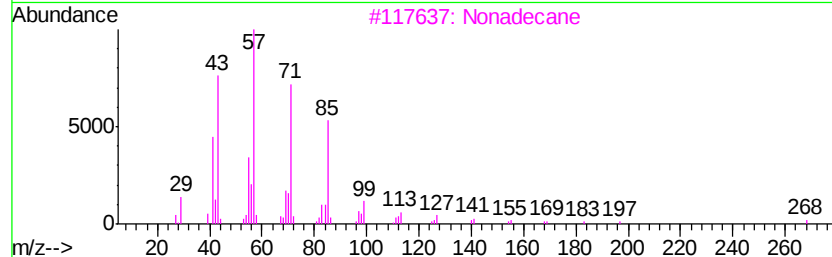
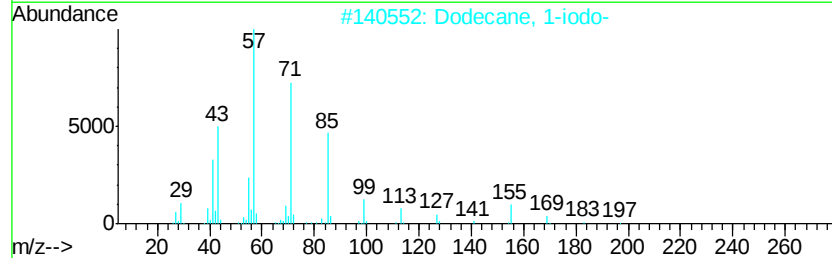
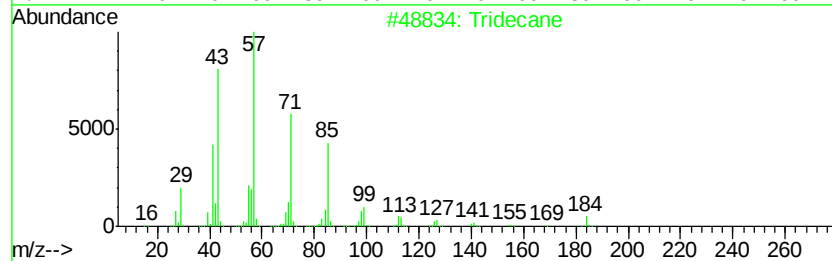
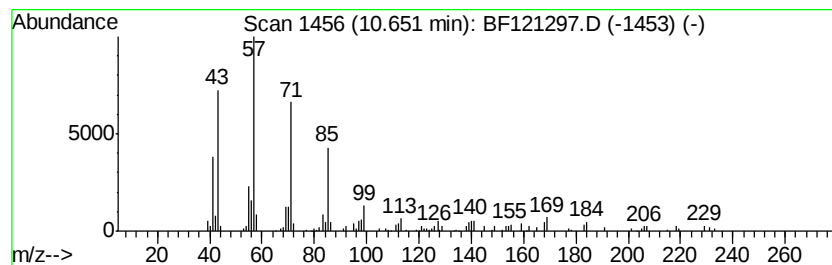
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Tridecane Concentration Rank 2

| R.T.      | EstConc                             | Area   | Relative to ISTD |             | R.T.  |
|-----------|-------------------------------------|--------|------------------|-------------|-------|
| 10.65     | 2.88 ng                             | 128807 | Phenanthrene-d10 |             | 11.22 |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual  |
| 1         | Tridecane                           | 184    | C13H28           | 000629-50-5 | 91    |
| 2         | Dodecane, 1-iodo-                   | 296    | C12H25I          | 004292-19-7 | 80    |
| 3         | Nonadecane                          | 268    | C19H40           | 000629-92-5 | 74    |
| 4         | Heptadecane, 2,6,10,15-tetramethyl- | 296    | C21H44           | 054833-48-6 | 74    |
| 5         | Tetracosane                         | 338    | C24H50           | 000646-31-1 | 74    |



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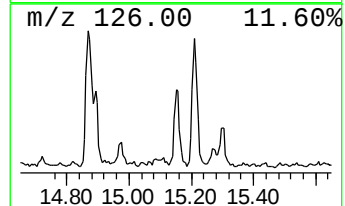
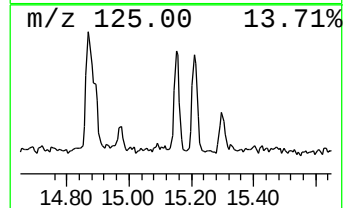
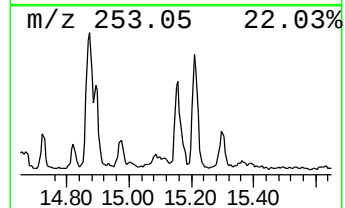
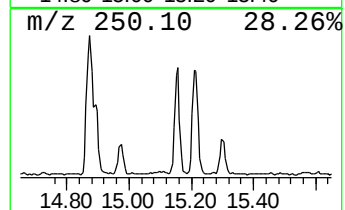
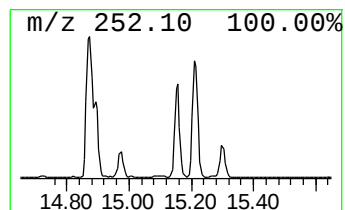
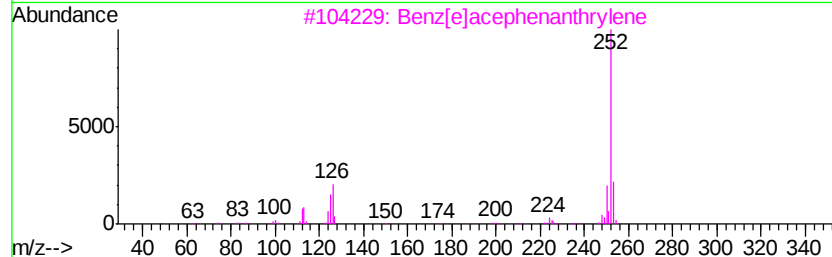
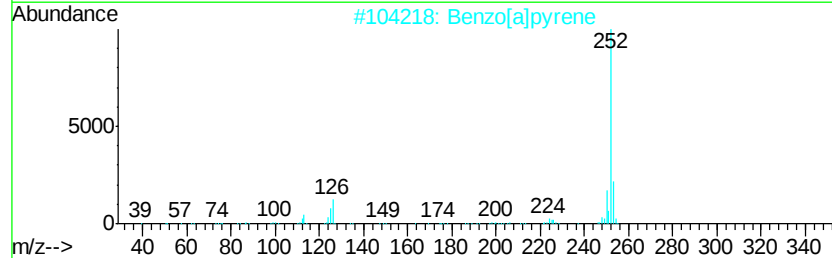
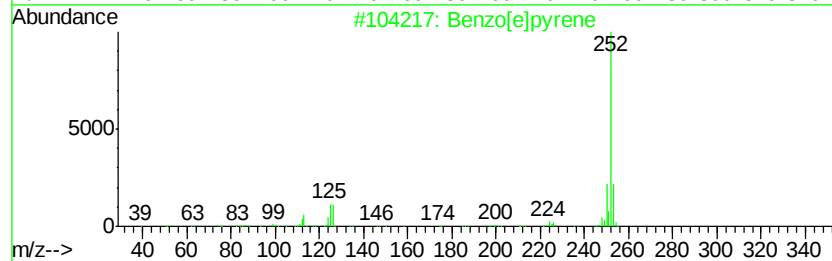
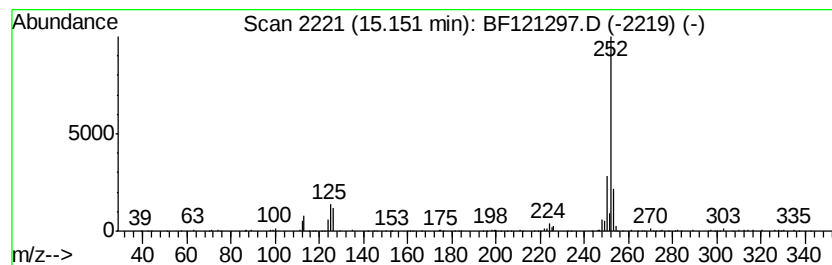
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Benzo[e]pyrene Concentration Rank 1

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.15 | 4.42 ng | 169429 | Perylene-d12     | 15.27 |

| Hit# of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|---------|---|---------------------------|-----|---------|-------------|------|
| 1       |   | Benzo[e]pyrene            | 252 | C20H12  | 000192-97-2 | 98   |
| 2       |   | Benzo[a]pyrene            | 252 | C20H12  | 000050-32-8 | 98   |
| 3       |   | Benzo[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 95   |
| 4       |   | Benzo[k]fluoranthene      | 252 | C20H12  | 000207-08-9 | 93   |
| 5       |   | Benzo[j]fluoranthene      | 252 | C20H12  | 000205-82-3 | 93   |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| Tridecane        | 10.65 | 2.9     | ng    | 128807   | 4                     | 11.22 | 893546 | 20.0 |
| Benzo[e]pyrene   | 15.15 | 4.4     | ng    | 169429   | 6                     | 15.27 | 766190 | 20.0 |