

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF032520\  
 Data File : BF119522.D  
 Acq On : 26 Mar 2020 2:10  
 Operator : CG/JU  
 Sample : L2013-06 10X  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GHD1-1BC-IB-0-5

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-BF031820.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         | 2.193       | 16            | 18          | 23           | rVB3     | 19545          | 27697         | 1.10%           | 0.107%        |
| 2         | 5.439       | 566           | 570         | 579          | rBV      | 934701         | 821872        | 32.67%          | 3.188%        |
| 3         | 6.451       | 738           | 742         | 751          | rBV      | 1025752        | 840867        | 33.42%          | 3.261%        |
| 4         | 6.839       | 804           | 808         | 812          | rBV      | 2124919        | 1728311       | 68.70%          | 6.703%        |
| 5         | 6.992       | 830           | 834         | 838          | rVB      | 784080         | 718182        | 28.55%          | 2.786%        |
| 6         | 7.398       | 897           | 903         | 907          | rBV      | 573286         | 539322        | 21.44%          | 2.092%        |
| 7         | 7.869       | 980           | 983         | 987          | rBV      | 46499          | 40708         | 1.62%           | 0.158%        |
| 8         | 8.127       | 1021          | 1027        | 1030         | rBV      | 2679371        | 2274473       | 90.41%          | 8.822%        |
| 9         | 9.204       | 1204          | 1210        | 1213         | rBV      | 1147126        | 1010015       | 40.15%          | 3.917%        |
| 10        | 9.598       | 1274          | 1277        | 1281         | rVB      | 92290          | 94052         | 3.74%           | 0.365%        |
| 11        | 9.745       | 1298          | 1302        | 1308         | rBV      | 76691          | 81579         | 3.24%           | 0.316%        |
| 12        | 9.886       | 1319          | 1326        | 1329         | rBV      | 2809585        | 2504515       | 99.55%          | 9.714%        |
| 13        | 9.916       | 1329          | 1331        | 1338         | rVB      | 97847          | 96484         | 3.84%           | 0.374%        |
| 14        | 10.086      | 1357          | 1360        | 1365         | rBV      | 58291          | 46879         | 1.86%           | 0.182%        |
| 15        | 10.204      | 1373          | 1380        | 1382         | rBV2     | 49714          | 104347        | 4.15%           | 0.405%        |
| 16        | 10.433      | 1415          | 1419        | 1426         | rVB      | 61117          | 63825         | 2.54%           | 0.248%        |
| 17        | 10.668      | 1455          | 1459        | 1466         | rBV      | 683499         | 661136        | 26.28%          | 2.564%        |
| 18        | 10.810      | 1478          | 1483        | 1486         | rBV2     | 43173          | 74716         | 2.97%           | 0.290%        |
| 19        | 11.174      | 1543          | 1545        | 1549         | rVB3     | 31470          | 31126         | 1.24%           | 0.121%        |
| 20        | 11.245      | 1551          | 1557        | 1559         | rVV5     | 45384          | 68509         | 2.72%           | 0.266%        |
| 21        | 11.268      | 1559          | 1561        | 1567         | rVB2     | 52779          | 61724         | 2.45%           | 0.239%        |
| 22        | 11.374      | 1575          | 1579        | 1581         | rBV      | 2756261        | 2515760       | 100.00%         | 9.758%        |
| 23        | 11.392      | 1581          | 1582        | 1586         | rVV      | 553511         | 376255        | 14.96%          | 1.459%        |
| 24        | 11.445      | 1588          | 1591        | 1594         | rVB      | 223049         | 174516        | 6.94%           | 0.677%        |
| 25        | 11.480      | 1594          | 1597        | 1601         | rBV6     | 29775          | 41300         | 1.64%           | 0.160%        |
| 26        | 11.668      | 1627          | 1629        | 1631         | rBV2     | 37115          | 28838         | 1.15%           | 0.112%        |
| 27        | 11.874      | 1661          | 1664        | 1666         | rBV      | 74926          | 62147         | 2.47%           | 0.241%        |
| 28        | 11.898      | 1666          | 1668        | 1672         | rVB      | 238886         | 200108        | 7.95%           | 0.776%        |
| 29        | 11.945      | 1672          | 1676        | 1679         | rVB2     | 60447          | 70664         | 2.81%           | 0.274%        |
| 30        | 11.986      | 1679          | 1683        | 1685         | rBV      | 194164         | 192773        | 7.66%           | 0.748%        |
| 31        | 12.168      | 1712          | 1714        | 1716         | rBV      | 64253          | 52145         | 2.07%           | 0.202%        |
| 32        | 12.427      | 1755          | 1758        | 1761         | rBV      | 60902          | 67316         | 2.68%           | 0.261%        |
| 33        | 12.468      | 1762          | 1765        | 1769         | rVV3     | 58499          | 76244         | 3.03%           | 0.296%        |
| 34        | 12.504      | 1769          | 1771        | 1776         | rVB4     | 54945          | 61897         | 2.46%           | 0.240%        |

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 Sampling : 1  
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 Stop Thrs : 0  
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 Max Peaks: 100  
 Peak Location: TOP

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

Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031820.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 12.586 | 1781 | 1785 | 1788 | rVV  | 1126205 | 895556  | 35.60% | 3.473% |
| 36 | 12.686 | 1798 | 1802 | 1805 | rBV2 | 143706  | 158395  | 6.30%  | 0.614% |
| 37 | 12.815 | 1817 | 1824 | 1826 | rBV  | 790432  | 879059  | 34.94% | 3.409% |
| 38 | 12.933 | 1842 | 1844 | 1845 | rBV  | 41546   | 30747   | 1.22%  | 0.119% |
| 39 | 12.957 | 1845 | 1848 | 1856 | rVB  | 1128328 | 1017122 | 40.43% | 3.945% |
| 40 | 13.033 | 1857 | 1861 | 1864 | rBV2 | 68804   | 106075  | 4.22%  | 0.411% |
| 41 | 13.139 | 1877 | 1879 | 1883 | rVB  | 166013  | 157805  | 6.27%  | 0.612% |
| 42 | 13.209 | 1887 | 1891 | 1893 | rVB2 | 152861  | 151503  | 6.02%  | 0.588% |
| 43 | 13.245 | 1894 | 1897 | 1900 | rVV2 | 97726   | 97388   | 3.87%  | 0.378% |
| 44 | 13.339 | 1911 | 1913 | 1916 | rVB  | 64747   | 44121   | 1.75%  | 0.171% |
| 45 | 13.368 | 1916 | 1918 | 1920 | rBV  | 57870   | 48057   | 1.91%  | 0.186% |
| 46 | 13.439 | 1928 | 1930 | 1934 | rBV3 | 68922   | 68755   | 2.73%  | 0.267% |
| 47 | 13.539 | 1945 | 1947 | 1950 | rBV2 | 71534   | 75481   | 3.00%  | 0.293% |
| 48 | 13.792 | 1988 | 1990 | 1991 | rBV  | 63069   | 46802   | 1.86%  | 0.182% |
| 49 | 14.009 | 2022 | 2027 | 2030 | rBV2 | 1915359 | 2225143 | 88.45% | 8.630% |
| 50 | 14.039 | 2030 | 2032 | 2038 | rVB  | 336003  | 305935  | 12.16% | 1.187% |
| 51 | 14.186 | 2055 | 2057 | 2061 | rVB3 | 93425   | 96448   | 3.83%  | 0.374% |
| 52 | 14.474 | 2103 | 2106 | 2107 | rBV  | 145828  | 142966  | 5.68%  | 0.555% |
| 53 | 14.492 | 2107 | 2109 | 2112 | rVB  | 149908  | 113904  | 4.53%  | 0.442% |
| 54 | 14.798 | 2159 | 2161 | 2164 | rVB  | 91386   | 83081   | 3.30%  | 0.322% |
| 55 | 15.051 | 2200 | 2204 | 2207 | rBV  | 260019  | 404900  | 16.09% | 1.570% |
| 56 | 15.145 | 2217 | 2220 | 2227 | rVB2 | 157943  | 289827  | 11.52% | 1.124% |
| 57 | 15.351 | 2252 | 2255 | 2261 | rVB  | 194266  | 222076  | 8.83%  | 0.861% |
| 58 | 15.415 | 2262 | 2266 | 2269 | rBV  | 242458  | 286236  | 11.38% | 1.110% |
| 59 | 15.480 | 2272 | 2277 | 2281 | rBV  | 1193315 | 1434899 | 57.04% | 5.565% |
| 60 | 15.968 | 2356 | 2360 | 2365 | rBV  | 130036  | 183842  | 7.31%  | 0.713% |
| 61 | 16.933 | 2520 | 2524 | 2532 | rVB2 | 114588  | 241898  | 9.62%  | 0.938% |
| 62 | 17.374 | 2595 | 2599 | 2605 | rVB3 | 82412   | 164338  | 6.53%  | 0.637% |

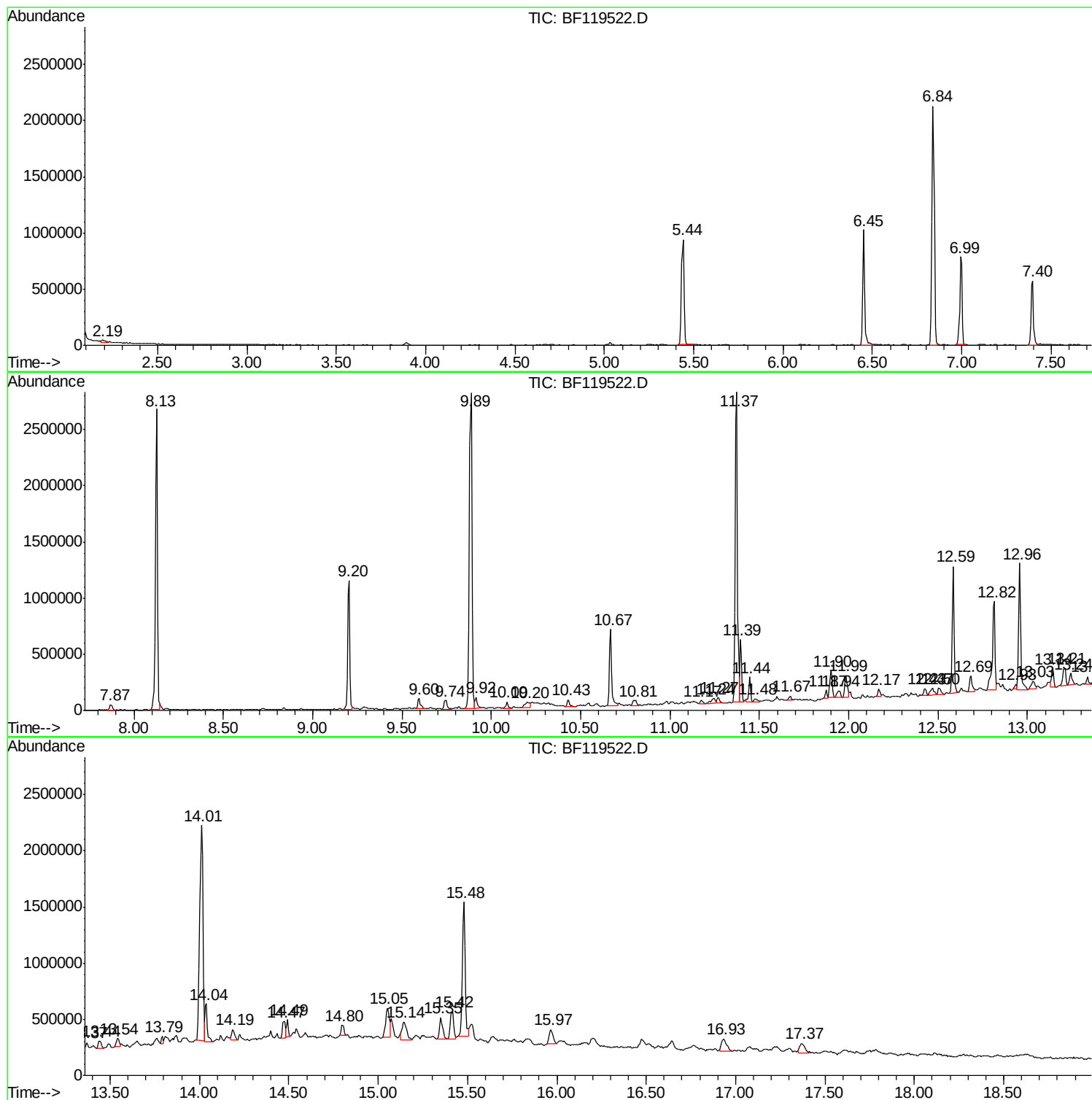
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ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\  
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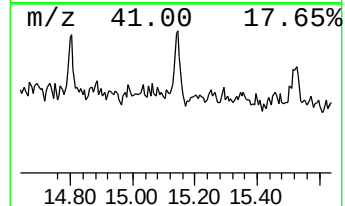
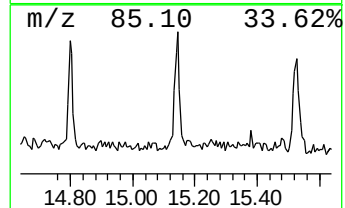
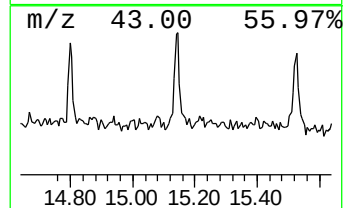
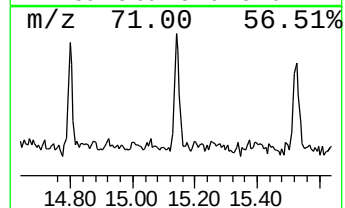
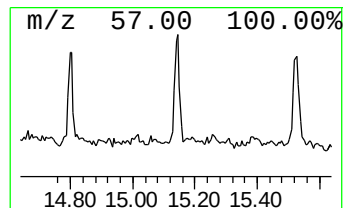
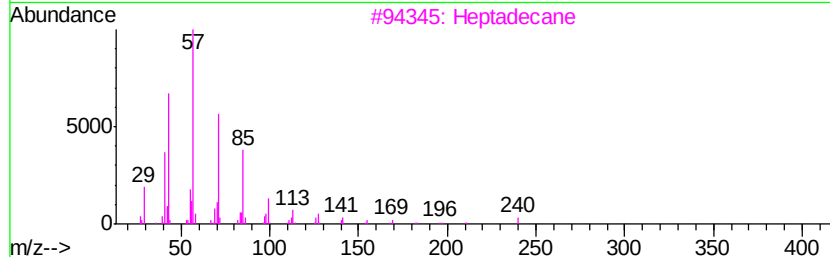
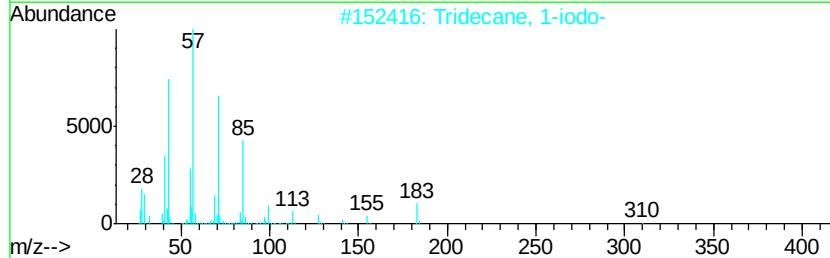
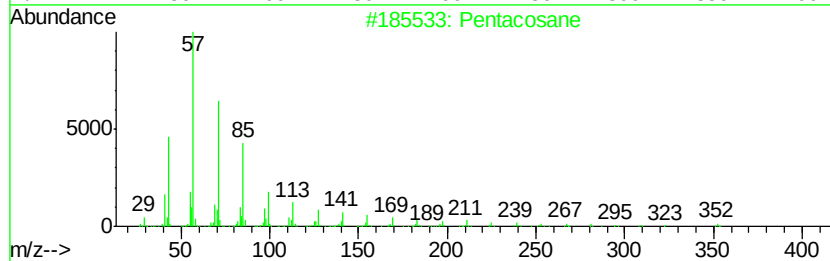
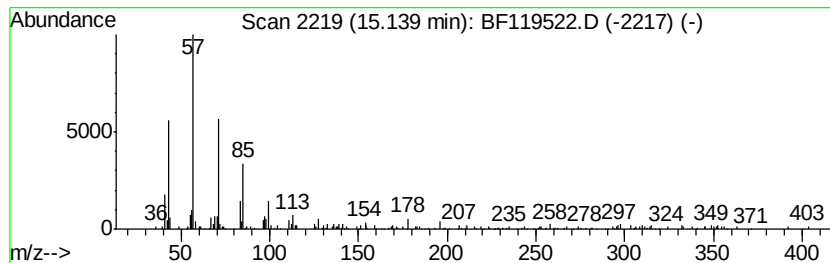
Instrument :  
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ClientSampleId :  
GHD1-1BC-IB-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.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 2 Pentacosane Concentration Rank 2

| R.T.    | EstConc            | Area         | Relative to ISTD | R.T.      |
|---------|--------------------|--------------|------------------|-----------|
| 15.14   | 4.04 ng            | 289827       | Perylene-d12     | 15.48     |
| Hit# of | 5                  | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Pentacosane        | 352 C25H52   | 000629-99-2      | 72        |
| 2       | Tridecane, 1-iodo- | 310 C13H27I  | 035599-77-0      | 64        |
| 3       | Heptadecane        | 240 C17H36   | 000629-78-7      | 64        |
| 4       | Hentriacontane     | 437 C31H64   | 000630-04-6      | 64        |
| 5       | Triacontane        | 422 C30H62   | 000638-68-6      | 64        |



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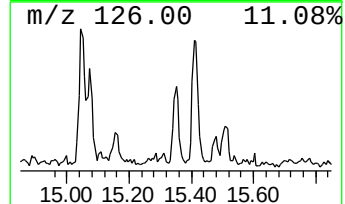
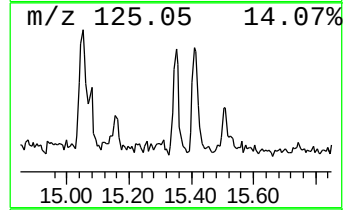
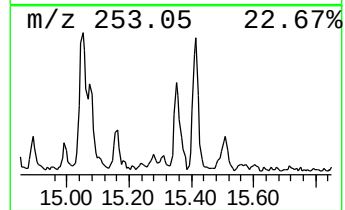
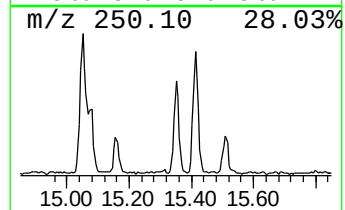
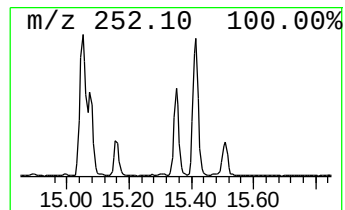
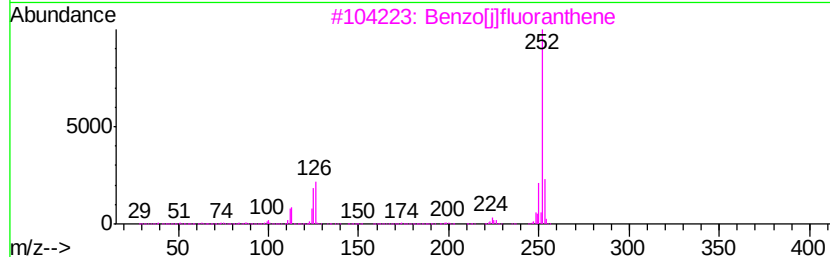
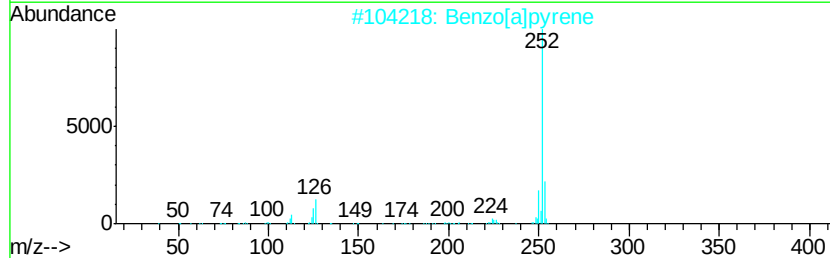
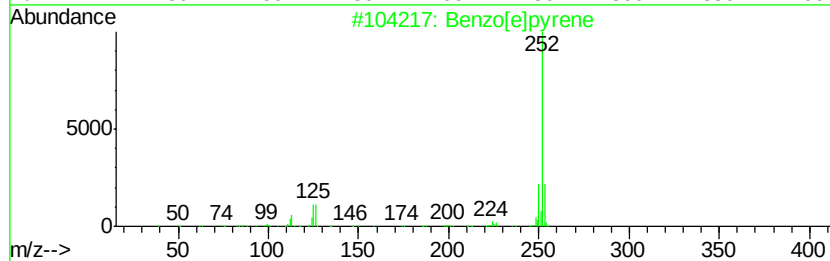
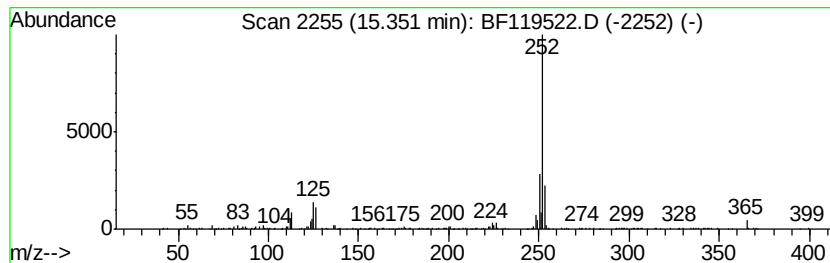
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 Benzo[e]pyrene Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.35 | 3.10 ng | 222076 | Perylene-d12     | 15.48 |

| 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 | 94   |
| 3       |   | Benzo[i]fluoranthene | 252 | C20H12  | 000205-82-3 | 93   |
| 4       |   | Perylene             | 252 | C20H12  | 000198-55-0 | 93   |
| 5       |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 92   |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                  |       |         |       |          | #                     | RT    | Resp    | Conc |
| Pentacosane      | 15.14 | 4.0     | ng    | 289827   | 6                     | 15.48 | 1434900 | 20.0 |
| Benzo[e]pyrene   | 15.35 | 3.1     | ng    | 222076   | 6                     | 15.48 | 1434900 | 20.0 |