

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF031920\  
 Data File : BF119458.D  
 Acq On : 20 Mar 2020 00:48  
 Operator : CG/JU  
 Sample : L1978-02  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-5A

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         | 2.134       | 3             | 8           | 22           | rVB      | 327001         | 497497        | 4.84%           | 0.283%        |
| 2         | 5.463       | 568           | 574         | 577          | rBV      | 7534938        | 7411760       | 72.12%          | 4.211%        |
| 3         | 6.469       | 739           | 745         | 748          | rBV      | 6782164        | 7368318       | 71.70%          | 4.187%        |
| 4         | 6.845       | 806           | 809         | 813          | rBV      | 2336879        | 2112782       | 20.56%          | 1.200%        |
| 5         | 7.004       | 832           | 836         | 840          | rVB      | 6481491        | 5789762       | 56.34%          | 3.290%        |
| 6         | 7.410       | 899           | 905         | 908          | rBV      | 5011965        | 4809719       | 46.80%          | 2.733%        |
| 7         | 8.133       | 1023          | 1028        | 1031         | rBV      | 3299798        | 2892598       | 28.15%          | 1.644%        |
| 8         | 9.216       | 1206          | 1212        | 1215         | rBV      | 8197425        | 7937903       | 77.24%          | 4.510%        |
| 9         | 9.604       | 1275          | 1278        | 1285         | rVB2     | 689852         | 629189        | 6.12%           | 0.358%        |
| 10        | 9.751       | 1299          | 1303        | 1307         | rBV      | 1163648        | 904386        | 8.80%           | 0.514%        |
| 11        | 9.892       | 1321          | 1327        | 1330         | rBV      | 3722743        | 3140361       | 30.56%          | 1.784%        |
| 12        | 10.204      | 1375          | 1380        | 1383         | rBV3     | 171128         | 250217        | 2.43%           | 0.142%        |
| 13        | 10.439      | 1417          | 1420        | 1426         | rVB      | 615881         | 614870        | 5.98%           | 0.349%        |
| 14        | 10.598      | 1443          | 1447        | 1450         | rBV      | 258129         | 240490        | 2.34%           | 0.137%        |
| 15        | 10.680      | 1455          | 1461        | 1465         | rBV      | 4309386        | 4124487       | 40.13%          | 2.344%        |
| 16        | 10.804      | 1478          | 1482        | 1488         | rBV4     | 237968         | 263131        | 2.56%           | 0.150%        |
| 17        | 10.986      | 1509          | 1513        | 1516         | rBV2     | 426405         | 537787        | 5.23%           | 0.306%        |
| 18        | 11.016      | 1516          | 1518        | 1521         | rVV      | 304639         | 243481        | 2.37%           | 0.138%        |
| 19        | 11.116      | 1531          | 1535        | 1537         | rVV2     | 213312         | 243911        | 2.37%           | 0.139%        |
| 20        | 11.139      | 1537          | 1539        | 1544         | rVV      | 287758         | 324068        | 3.15%           | 0.184%        |
| 21        | 11.227      | 1550          | 1554        | 1557         | rVV      | 220490         | 271001        | 2.64%           | 0.154%        |
| 22        | 11.274      | 1560          | 1562        | 1568         | rVB      | 489647         | 456401        | 4.44%           | 0.259%        |
| 23        | 11.380      | 1575          | 1580        | 1582         | rBV      | 3245591        | 3120978       | 30.37%          | 1.773%        |
| 24        | 11.410      | 1582          | 1585        | 1588         | rVV      | 6422523        | 5875149       | 57.17%          | 3.338%        |
| 25        | 11.457      | 1588          | 1593        | 1595         | rVV      | 2289025        | 1820742       | 17.72%          | 1.035%        |
| 26        | 11.486      | 1595          | 1598        | 1602         | rVB2     | 274746         | 294765        | 2.87%           | 0.167%        |
| 27        | 11.680      | 1628          | 1631        | 1633         | rBV      | 443235         | 338080        | 3.29%           | 0.192%        |
| 28        | 11.710      | 1633          | 1636        | 1642         | rVB2     | 372684         | 379911        | 3.70%           | 0.216%        |
| 29        | 11.886      | 1662          | 1666        | 1668         | rBV      | 1546372        | 1541792       | 15.00%          | 0.876%        |
| 30        | 11.910      | 1668          | 1670        | 1674         | rVV      | 2908011        | 2375654       | 23.12%          | 1.350%        |
| 31        | 11.957      | 1674          | 1678        | 1681         | rVV      | 782657         | 704367        | 6.85%           | 0.400%        |
| 32        | 11.998      | 1681          | 1685        | 1687         | rVV      | 2819816        | 3133105       | 30.49%          | 1.780%        |
| 33        | 12.016      | 1687          | 1688        | 1693         | rVB      | 1353442        | 956435        | 9.31%           | 0.543%        |
| 34        | 12.180      | 1713          | 1716        | 1718         | rVV      | 1275695        | 1096623       | 10.67%          | 0.623%        |

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 ClientSampleId :  
 TP-5A

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

|    |        |      |      |      |      |         |          |         |        |
|----|--------|------|------|------|------|---------|----------|---------|--------|
| 35 | 12.198 | 1718 | 1719 | 1723 | rVB2 | 318690  | 242983   | 2.36%   | 0.138% |
| 36 | 12.327 | 1736 | 1741 | 1744 | rBV3 | 325412  | 412401   | 4.01%   | 0.234% |
| 37 | 12.357 | 1744 | 1746 | 1749 | rBV  | 379981  | 330738   | 3.22%   | 0.188% |
| 38 | 12.433 | 1753 | 1759 | 1762 | rBV  | 1062682 | 1175366  | 11.44%  | 0.668% |
| 39 | 12.474 | 1762 | 1766 | 1768 | rBV2 | 699686  | 794994   | 7.74%   | 0.452% |
| 40 | 12.521 | 1771 | 1774 | 1779 | rVB3 | 693485  | 943727   | 9.18%   | 0.536% |
| 41 | 12.604 | 1782 | 1788 | 1790 | rBV  | 9773384 | 10118373 | 98.46%  | 5.749% |
| 42 | 12.692 | 1800 | 1803 | 1806 | rVV  | 1011442 | 963542   | 9.38%   | 0.547% |
| 43 | 12.745 | 1810 | 1812 | 1820 | rVB2 | 391234  | 549527   | 5.35%   | 0.312% |
| 44 | 12.833 | 1820 | 1827 | 1830 | rBV2 | 8568354 | 10276898 | 100.00% | 5.839% |
| 45 | 12.874 | 1831 | 1834 | 1839 | rVB2 | 446476  | 582091   | 5.66%   | 0.331% |
| 46 | 12.945 | 1842 | 1846 | 1847 | rBV  | 569524  | 517621   | 5.04%   | 0.294% |
| 47 | 12.974 | 1847 | 1851 | 1857 | rVB  | 6013905 | 6099531  | 59.35%  | 3.466% |
| 48 | 13.045 | 1857 | 1863 | 1866 | rBV3 | 1065367 | 1625648  | 15.82%  | 0.924% |
| 49 | 13.133 | 1874 | 1878 | 1879 | rBV2 | 829412  | 943753   | 9.18%   | 0.536% |
| 50 | 13.157 | 1879 | 1882 | 1885 | rVB  | 2309135 | 2130974  | 20.74%  | 1.211% |
| 51 | 13.221 | 1889 | 1893 | 1896 | rVV  | 1874449 | 1491737  | 14.52%  | 0.848% |
| 52 | 13.257 | 1896 | 1899 | 1903 | rVV2 | 1478605 | 1336845  | 13.01%  | 0.760% |
| 53 | 13.315 | 1906 | 1909 | 1912 | rBV3 | 234525  | 303661   | 2.95%   | 0.173% |
| 54 | 13.351 | 1912 | 1915 | 1917 | rVV  | 891857  | 694224   | 6.76%   | 0.394% |
| 55 | 13.380 | 1917 | 1920 | 1925 | rVB  | 985643  | 840244   | 8.18%   | 0.477% |
| 56 | 13.557 | 1947 | 1950 | 1952 | rVV2 | 299391  | 304489   | 2.96%   | 0.173% |
| 57 | 13.639 | 1960 | 1964 | 1965 | rBV3 | 314233  | 382189   | 3.72%   | 0.217% |
| 58 | 13.657 | 1965 | 1967 | 1972 | rVV2 | 576039  | 760860   | 7.40%   | 0.432% |
| 59 | 13.774 | 1981 | 1987 | 1989 | rBV3 | 785852  | 1063095  | 10.34%  | 0.604% |
| 60 | 13.804 | 1989 | 1992 | 1993 | rVV  | 1061561 | 959368   | 9.34%   | 0.545% |
| 61 | 13.821 | 1993 | 1995 | 2000 | rVV2 | 976292  | 1355323  | 13.19%  | 0.770% |
| 62 | 13.868 | 2000 | 2003 | 2010 | rVB  | 1822864 | 1814964  | 17.66%  | 1.031% |
| 63 | 14.021 | 2022 | 2029 | 2032 | rBV2 | 5885861 | 8369327  | 81.44%  | 4.755% |
| 64 | 14.057 | 2032 | 2035 | 2040 | rVB  | 5071252 | 4915442  | 47.83%  | 2.793% |
| 65 | 14.133 | 2045 | 2048 | 2050 | rBV  | 435790  | 346578   | 3.37%   | 0.197% |
| 66 | 14.162 | 2050 | 2053 | 2056 | rBV  | 817575  | 711714   | 6.93%   | 0.404% |
| 67 | 14.239 | 2063 | 2066 | 2071 | rBV2 | 375247  | 579284   | 5.64%   | 0.329% |
| 68 | 14.374 | 2086 | 2089 | 2091 | rBV  | 372518  | 397631   | 3.87%   | 0.226% |
| 69 | 14.410 | 2091 | 2095 | 2098 | rVV  | 1428474 | 1559832  | 15.18%  | 0.886% |
| 70 | 14.445 | 2098 | 2101 | 2104 | rVB  | 821890  | 785755   | 7.65%   | 0.446% |
| 71 | 14.504 | 2104 | 2111 | 2114 | rBV2 | 1083282 | 1482579  | 14.43%  | 0.842% |

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 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-5A

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

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 72  | 14.533 | 2114 | 2116 | 2118 | rVV  | 878433  | 791248  | 7.70%  | 0.450% |
| 73  | 14.557 | 2118 | 2120 | 2124 | rVB2 | 941985  | 797456  | 7.76%  | 0.453% |
| 74  | 14.610 | 2124 | 2129 | 2133 | rVB2 | 345205  | 466049  | 4.53%  | 0.265% |
| 75  | 14.657 | 2135 | 2137 | 2143 | rVB3 | 270402  | 327473  | 3.19%  | 0.186% |
| 76  | 14.721 | 2144 | 2148 | 2150 | rBV3 | 219883  | 325271  | 3.17%  | 0.185% |
| 77  | 14.798 | 2158 | 2161 | 2163 | rBV  | 261615  | 324773  | 3.16%  | 0.185% |
| 78  | 14.904 | 2173 | 2179 | 2187 | rVB3 | 369334  | 708551  | 6.89%  | 0.403% |
| 79  | 14.974 | 2187 | 2191 | 2194 | rBV3 | 238374  | 311897  | 3.03%  | 0.177% |
| 80  | 15.074 | 2202 | 2208 | 2211 | rBV  | 3945591 | 7028007 | 68.39% | 3.993% |
| 81  | 15.174 | 2218 | 2225 | 2232 | rVB2 | 1155979 | 1518600 | 14.78% | 0.863% |
| 82  | 15.268 | 2237 | 2241 | 2242 | rBV2 | 184329  | 240553  | 2.34%  | 0.137% |
| 83  | 15.374 | 2254 | 2259 | 2265 | rVB  | 2346851 | 3117718 | 30.34% | 1.771% |
| 84  | 15.439 | 2265 | 2270 | 2275 | rBV  | 3804268 | 4945021 | 48.12% | 2.810% |
| 85  | 15.498 | 2275 | 2280 | 2283 | rBV  | 1637224 | 2157028 | 20.99% | 1.226% |
| 86  | 15.527 | 2283 | 2285 | 2292 | rVB2 | 1198106 | 1687615 | 16.42% | 0.959% |
| 87  | 15.680 | 2306 | 2311 | 2313 | rBV3 | 182567  | 351006  | 3.42%  | 0.199% |
| 88  | 15.856 | 2338 | 2341 | 2347 | rVB2 | 164766  | 251536  | 2.45%  | 0.143% |
| 89  | 15.927 | 2349 | 2353 | 2358 | rVV3 | 149433  | 250969  | 2.44%  | 0.143% |
| 90  | 15.980 | 2358 | 2362 | 2366 | rBV2 | 225302  | 402826  | 3.92%  | 0.229% |
| 91  | 16.027 | 2367 | 2370 | 2372 | rVV2 | 283806  | 392873  | 3.82%  | 0.223% |
| 92  | 16.056 | 2372 | 2375 | 2380 | rVB2 | 379402  | 518779  | 5.05%  | 0.295% |
| 93  | 16.780 | 2492 | 2498 | 2499 | rBV2 | 286062  | 456941  | 4.45%  | 0.260% |
| 94  | 16.968 | 2523 | 2530 | 2538 | rVB2 | 1661906 | 3397066 | 33.06% | 1.930% |
| 95  | 17.045 | 2539 | 2543 | 2550 | rVB  | 139921  | 242076  | 2.36%  | 0.138% |
| 96  | 17.145 | 2555 | 2560 | 2564 | rBV  | 330889  | 597341  | 5.81%  | 0.339% |
| 97  | 17.203 | 2565 | 2570 | 2575 | rVB2 | 270029  | 484545  | 4.71%  | 0.275% |
| 98  | 17.409 | 2598 | 2605 | 2615 | rVB  | 1077321 | 2202778 | 21.43% | 1.252% |
| 99  | 17.545 | 2623 | 2628 | 2631 | rBV6 | 112554  | 247531  | 2.41%  | 0.141% |
| 100 | 17.639 | 2638 | 2644 | 2651 | rBV  | 282946  | 585574  | 5.70%  | 0.333% |

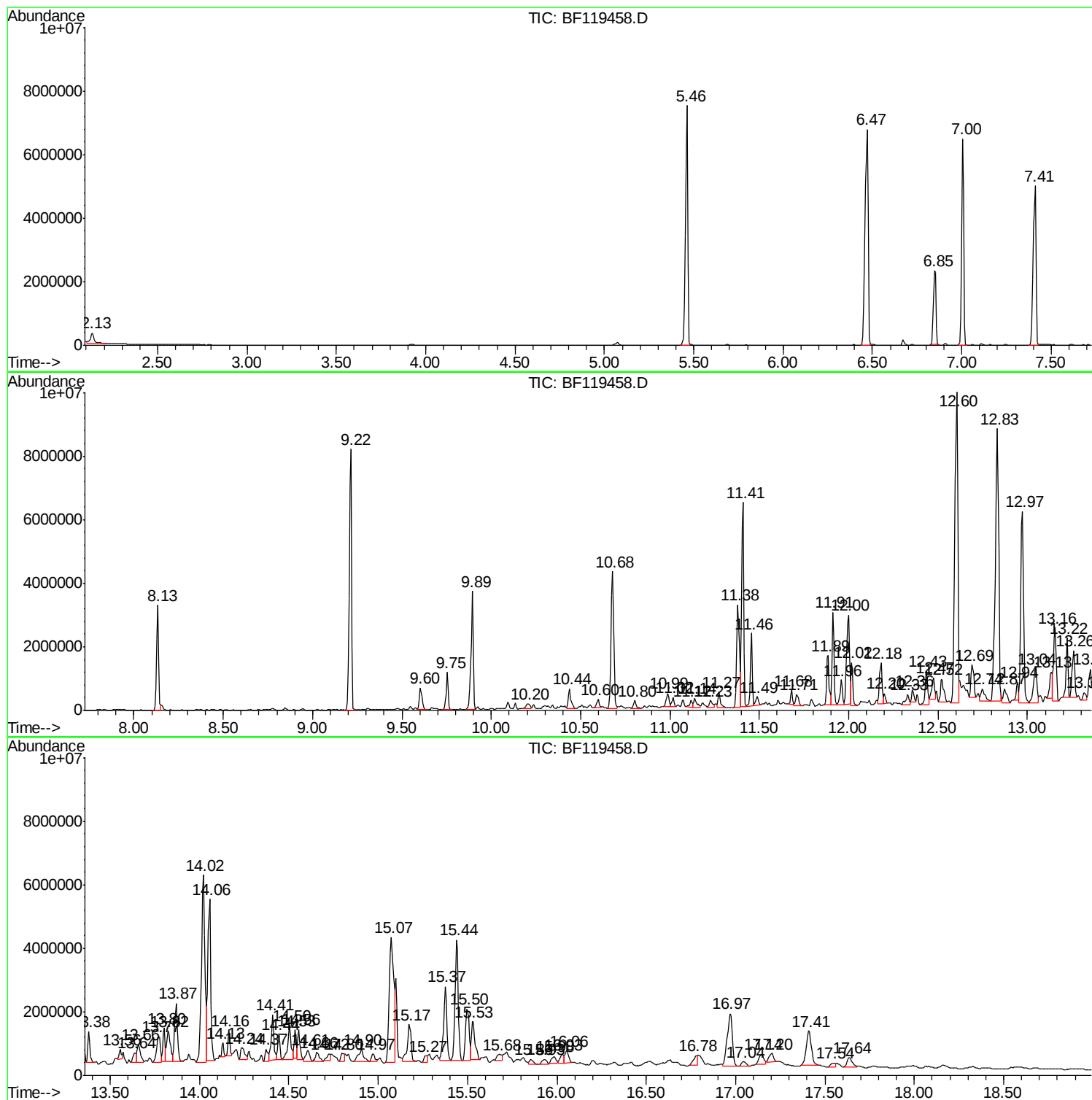
Sum of corrected areas: 175994129

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Instrument :  
BNA\_F  
ClientSampled :  
TP-5A

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\BF031920\  
Data File : BF119458.D  
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TP-5A

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

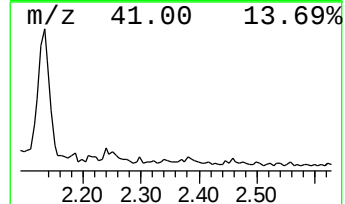
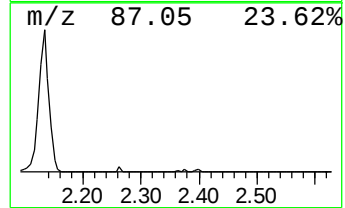
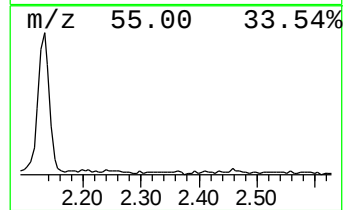
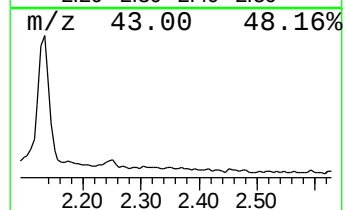
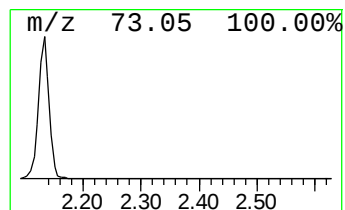
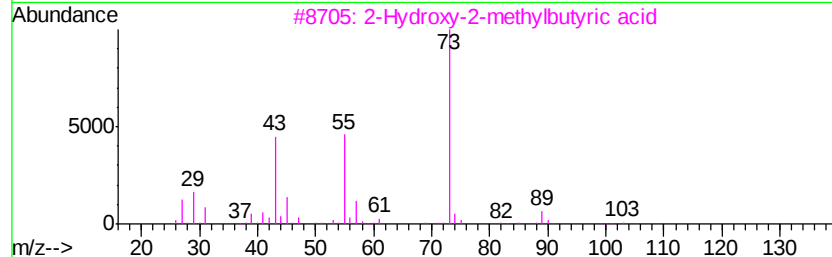
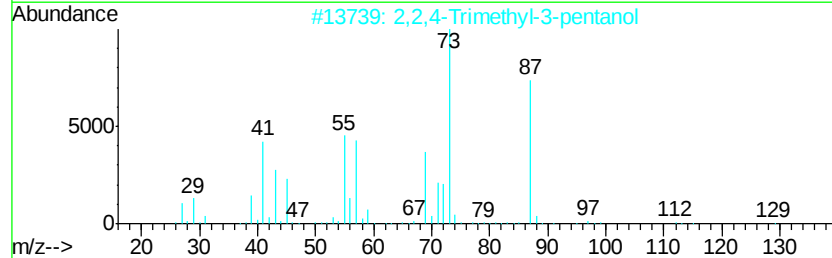
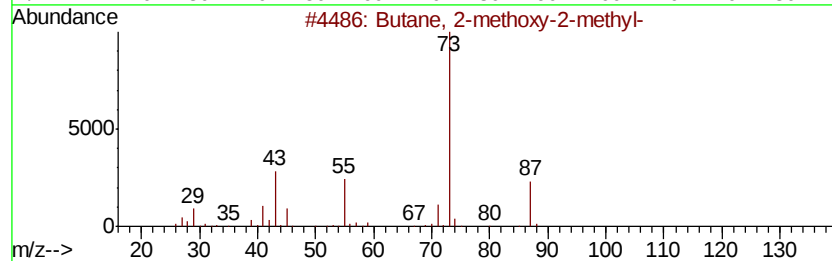
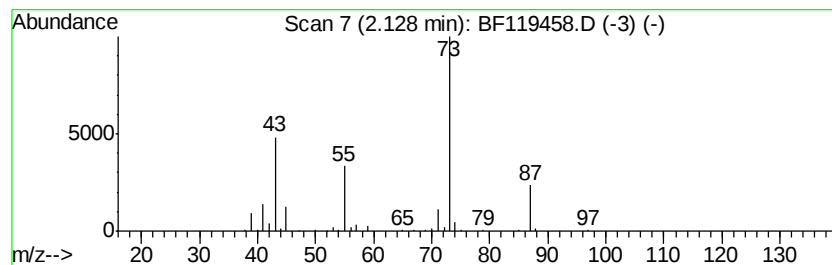
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 18

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 2.13 | 4.71 ng | 497497 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl-    | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol     | 130 | C8H18O  | 005162-48-1 | 39   |
| 3    |    | 2-Hydroxy-2-methylbutyric acid | 118 | C5H10O3 | 003739-30-8 | 25   |
| 4    |    | Silane, tetramethyl-           | 88  | C4H12Si | 000075-76-3 | 25   |
| 5    |    | 3-Pentanol, 2,4-dimethyl-      | 116 | C7H16O  | 000600-36-2 | 25   |



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

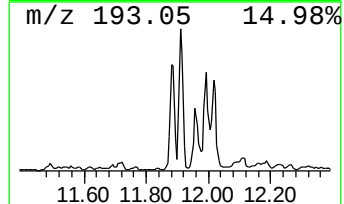
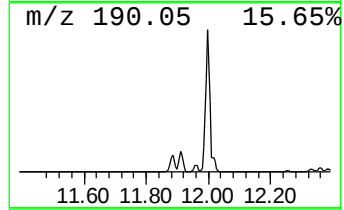
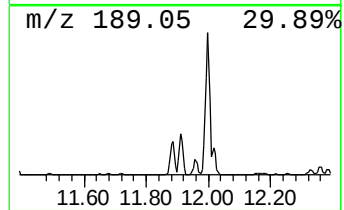
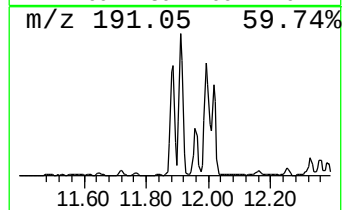
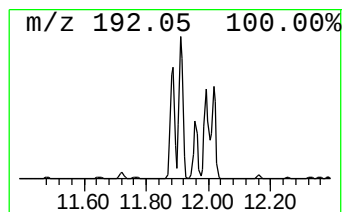
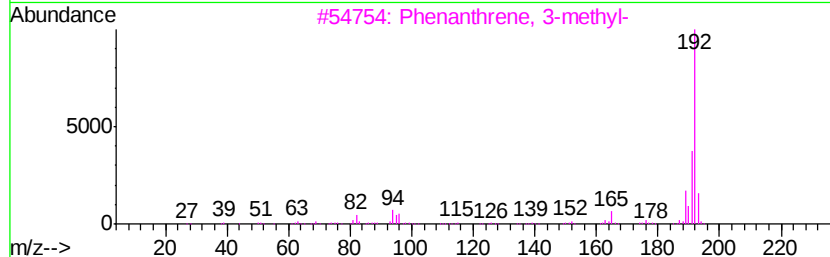
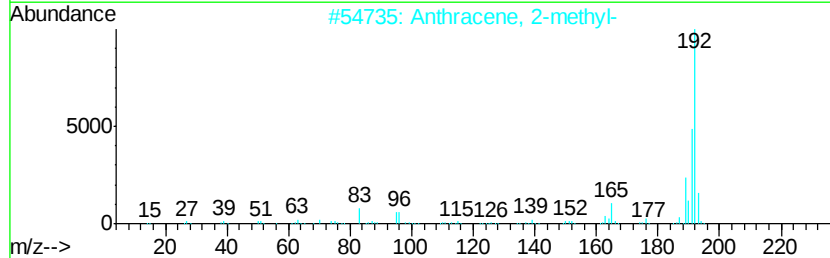
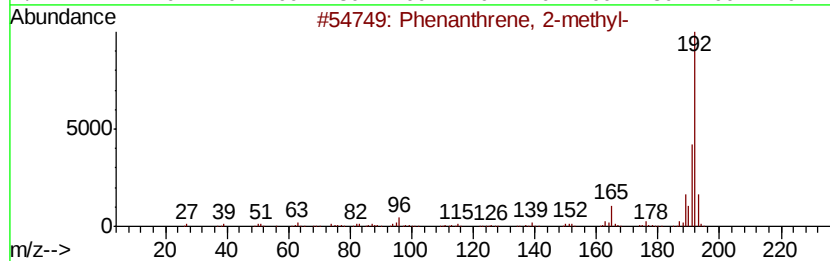
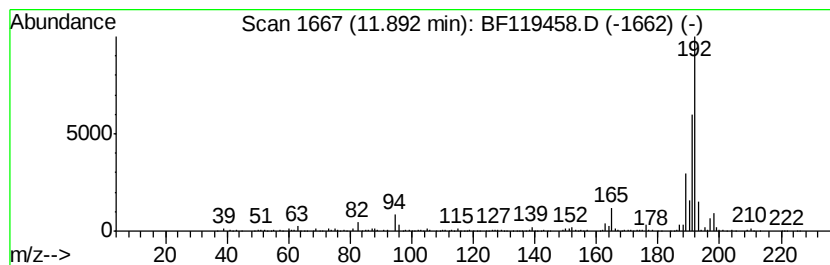
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 6

| R.T.  | EstConc | Area    | Relative to ISTD | R.T.  |
|-------|---------|---------|------------------|-------|
| 11.89 | 9.88 ng | 1541790 | Phenanthrene-d10 | 11.38 |

| Hit# of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------|-----|---------|-------------|------|
| 1       |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 96   |
| 2       |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 95   |
| 3       |   | Phenanthrene, 3-methyl- | 192 | C15H12  | 000832-71-3 | 93   |
| 4       |   | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 93   |
| 5       |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031920\  
Data File : BF119458.D  
Acq On : 20 Mar 2020 00:48  
Operator : CG/JU  
Sample : L1978-02  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5A

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

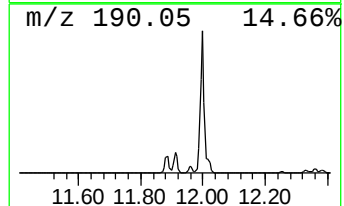
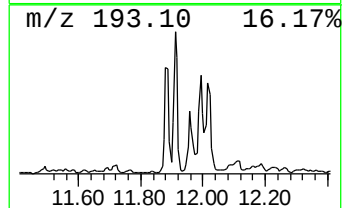
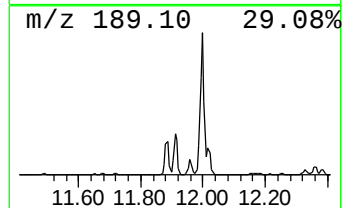
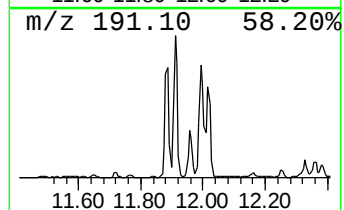
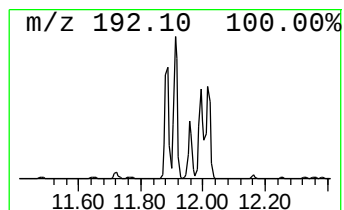
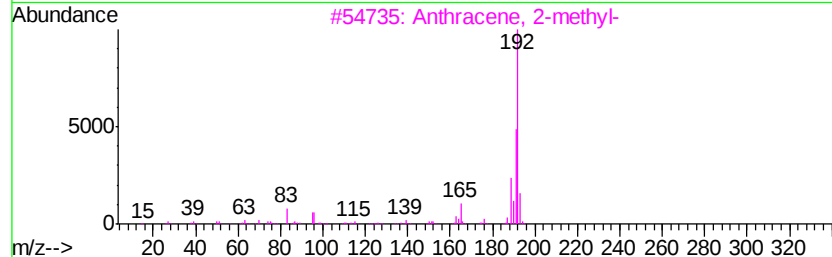
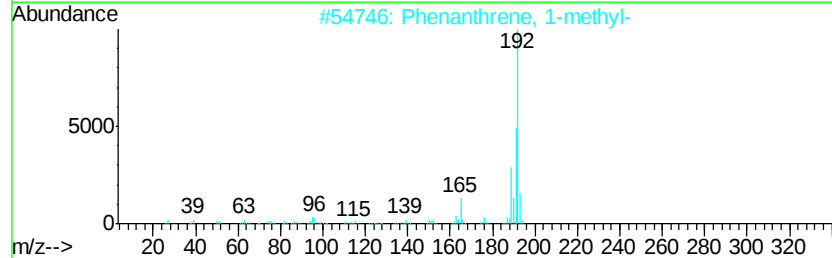
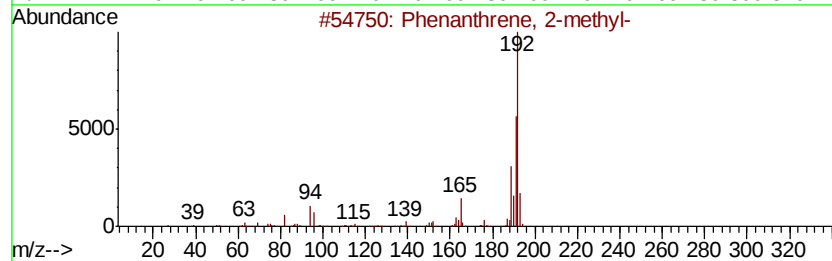
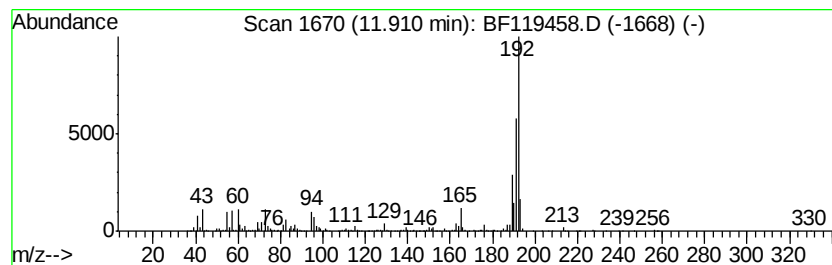
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.91 | 15.22 ng | 2375650 | Phenanthrene-d10 | 11.38 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Phenanthrene, 2-methyl-     | 192 | C15H12  | 002531-84-2 | 98   |
| 2    |    | Phenanthrene, 1-methyl-     | 192 | C15H12  | 000832-69-9 | 96   |
| 3    |    | Anthracene, 2-methyl-       | 192 | C15H12  | 000613-12-7 | 96   |
| 4    |    | Anthracene, 9-methyl-       | 192 | C15H12  | 000779-02-2 | 96   |
| 5    |    | 5H-Dibenzo[a,d]cycloheptene | 192 | C15H12  | 000256-81-5 | 94   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031920\  
Data File : BF119458.D  
Acq On : 20 Mar 2020 00:48  
Operator : CG/JU  
Sample : L1978-02  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5A

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

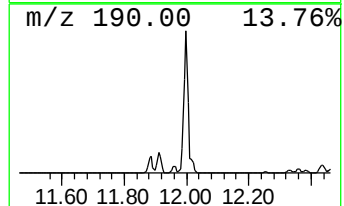
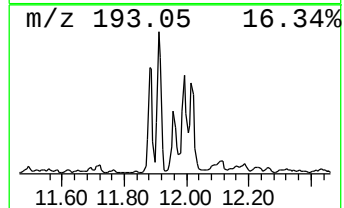
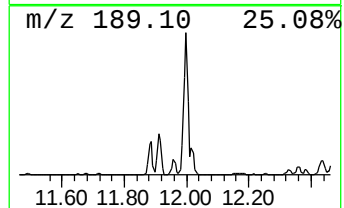
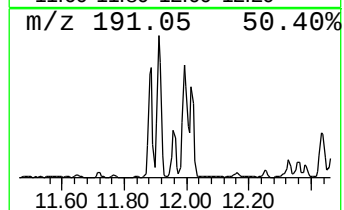
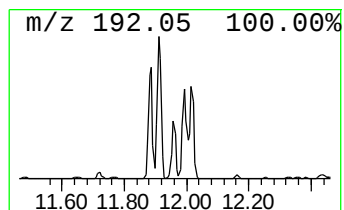
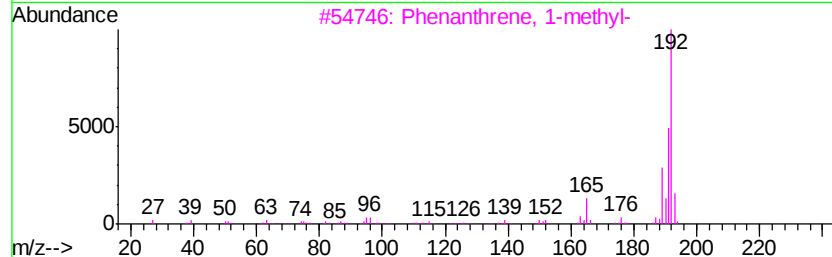
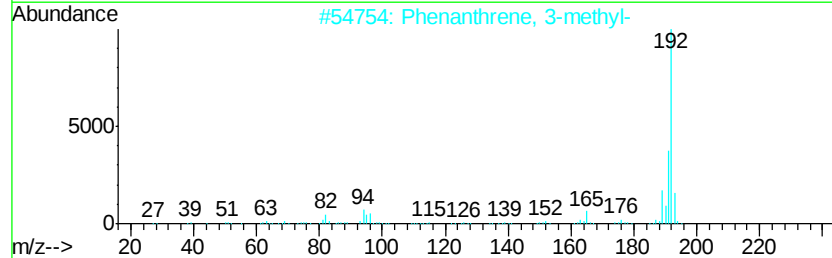
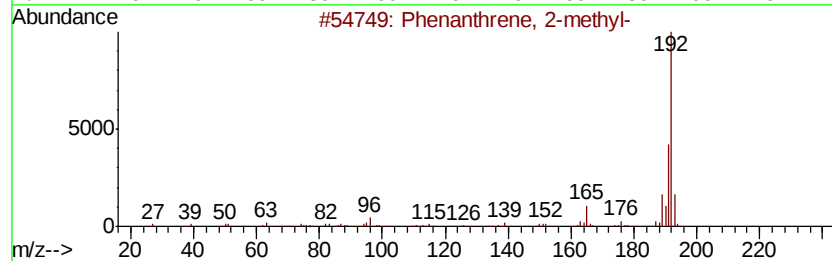
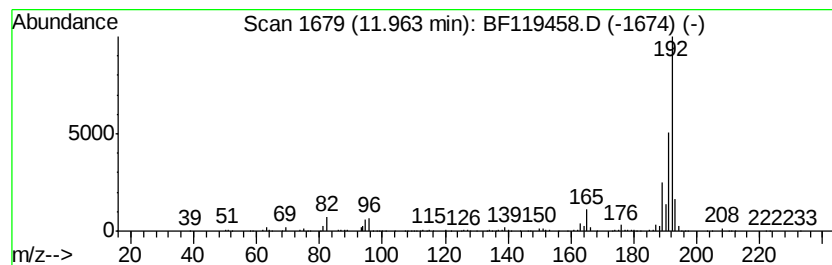
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Phenanthrene, 3-methyl- Concentration Rank 19

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.96 | 4.51 ng | 704367 | Phenanthrene-d10 | 11.38 |

| Hit# of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------|-----|---------|-------------|------|
| 1       |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 97   |
| 2       |   | Phenanthrene, 3-methyl- | 192 | C15H12  | 000832-71-3 | 96   |
| 3       |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 96   |
| 4       |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 96   |
| 5       |   | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 96   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031920\  
Data File : BF119458.D  
Acq On : 20 Mar 2020 00:48  
Operator : CG/JU  
Sample : L1978-02  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5A

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

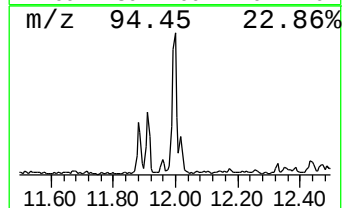
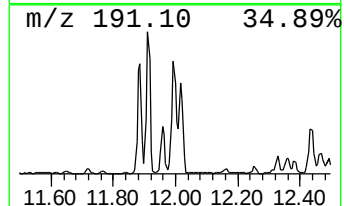
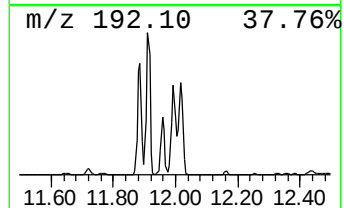
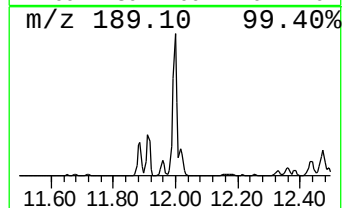
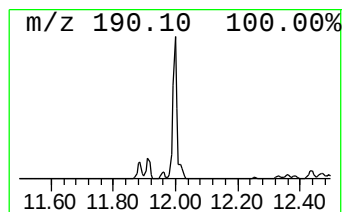
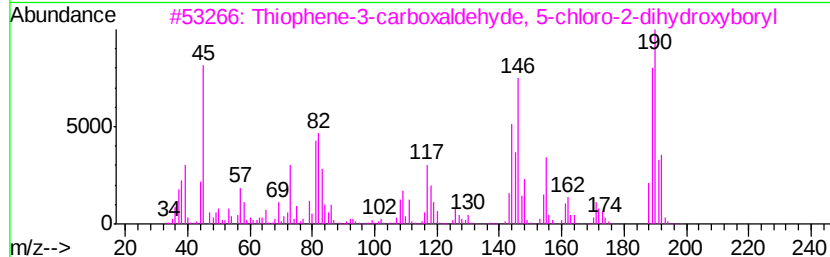
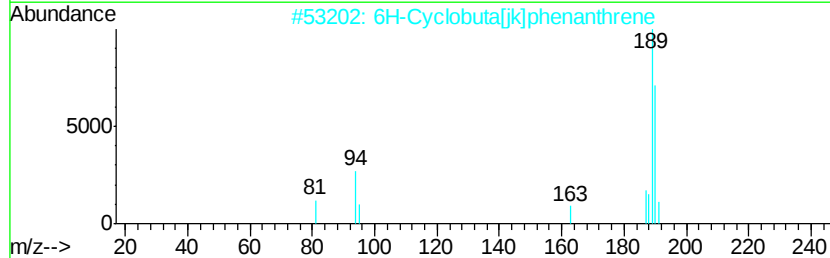
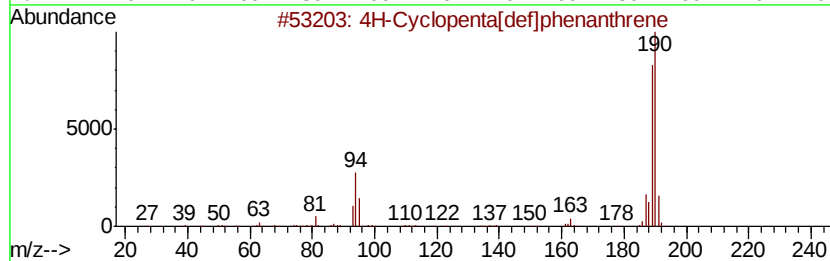
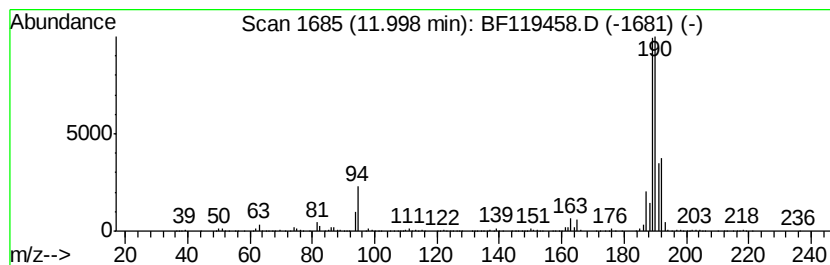
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 12.00 | 20.08 ng | 3133110 | Phenanthrene-d10 | 11.38 |

| Hit# of | 5 | Tentative ID                                          | MW  | MolForm    | CAS#        | Qual |
|---------|---|-------------------------------------------------------|-----|------------|-------------|------|
| 1       |   | 4H-Cyclopenta[def]phenanthrene                        | 190 | C15H10     | 000203-64-5 | 94   |
| 2       |   | 6H-Cyclobuta[ik]phenanthrene                          | 190 | C15H10     | 083469-43-6 | 64   |
| 3       |   | Thiophene-3-carboxaldehyde, 5-chloro-2-dihydroxyboryl | 190 | C5H4BClO3S | 036155-87-0 | 52   |
| 4       |   | 2,3,5,6-Tetramethylterephthalaldehyde                 | 190 | C12H14O2   | 007072-01-7 | 50   |
| 5       |   | Methyl diselenide                                     | 190 | C2H6Se2    | 007101-31-7 | 46   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031920\  
Data File : BF119458.D  
Acq On : 20 Mar 2020 00:48  
Operator : CG/JU  
Sample : L1978-02  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

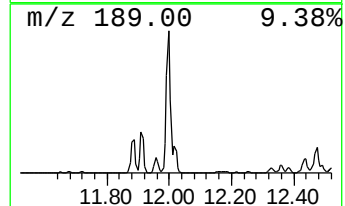
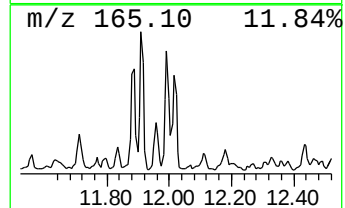
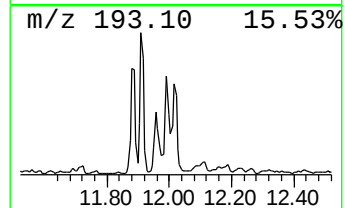
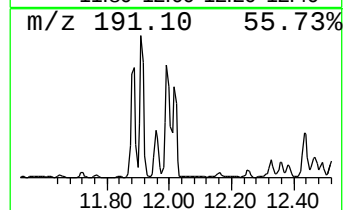
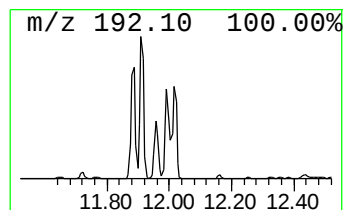
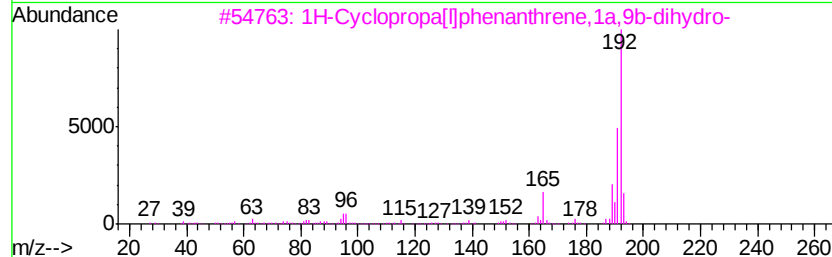
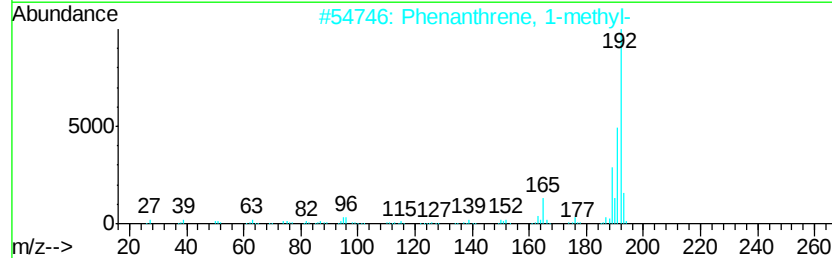
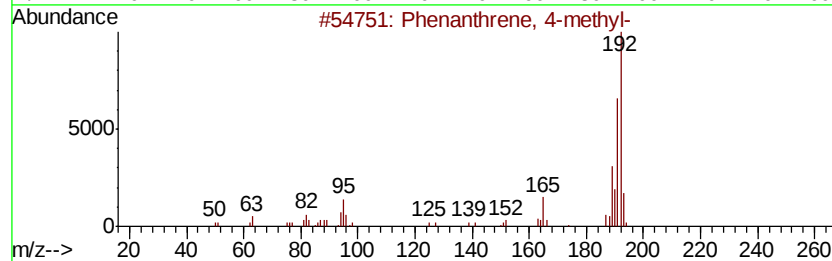
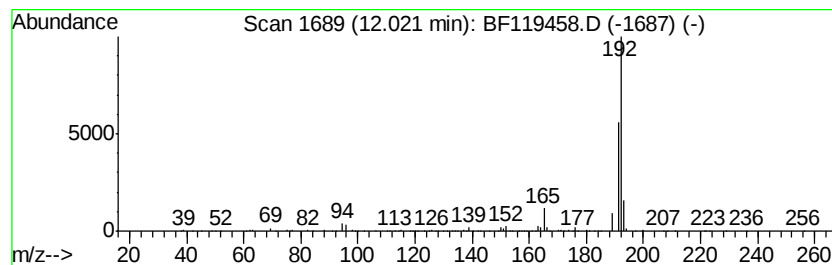
Instrument :  
BNA\_F  
ClientSampleId :  
TP-5A

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

\*\*\*\*\*  
Peak Number 7 Phenanthrene, 4-methyl- Concentration Rank 11

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 12.02     | 6.13 ng                             | 956435 | Phenanthrene-d10 | 11.38       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Phenanthrene, 4-methyl-             | 192    | C15H12           | 000832-64-4 | 91   |
| 2         | Phenanthrene, 1-methyl-             | 192    | C15H12           | 000832-69-9 | 90   |
| 3         | 1H-Cyclopropa[1]phenanthrene,1a,... | 192    | C15H12           | 000949-41-7 | 90   |
| 4         | Phenanthrene, 2-methyl-             | 192    | C15H12           | 002531-84-2 | 87   |
| 5         | Anthracene, 2-methyl-               | 192    | C15H12           | 000613-12-7 | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031920\  
 Data File : BF119458.D  
 Acq On : 20 Mar 2020 00:48  
 Operator : CG/JU  
 Sample : L1978-02  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-5A

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

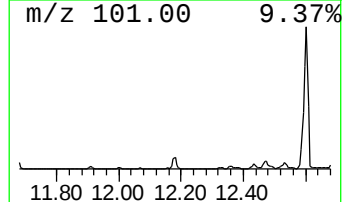
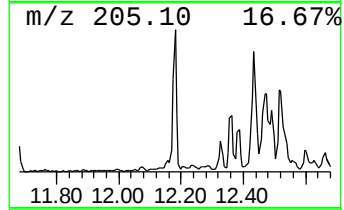
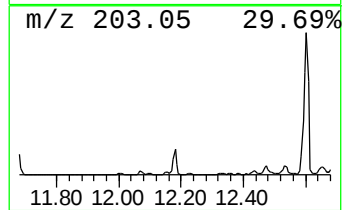
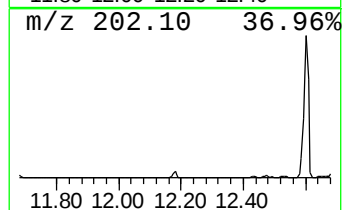
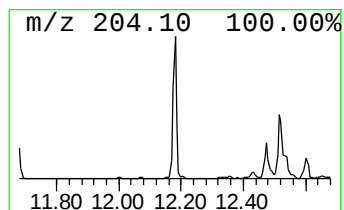
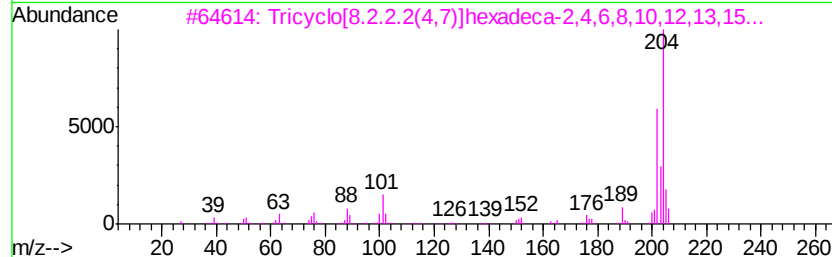
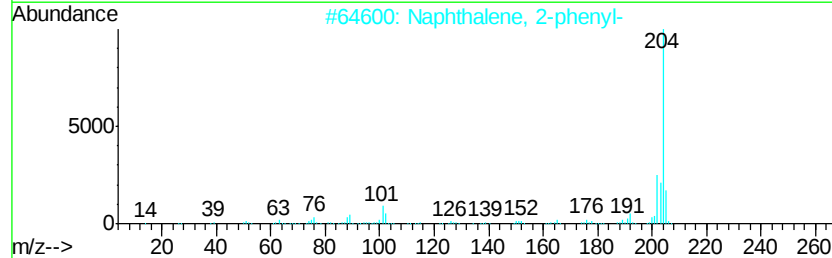
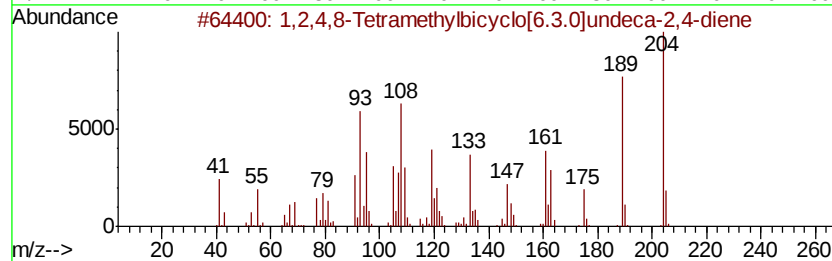
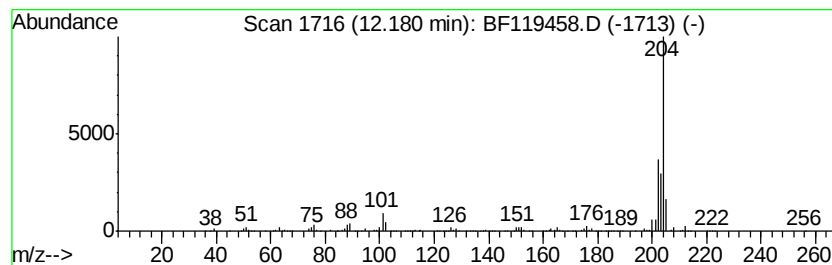
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
 Peak Number 8 1,2,4,8-Tetramethylbicyclo[...] Concentration Rank 8

| R.T.  | EstConc | Area    | Relative to ISTD | R.T.  |
|-------|---------|---------|------------------|-------|
| 12.18 | 7.03 ng | 1096620 | Phenanthrene-d10 | 11.38 |

| Hit# | of | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1,2,4,8-Tetramethylbicyclo[6.3.0]... | 204 | C15H24  | 137235-51-9 | 95   |
| 2    |    | Naphthalene, 2-phenyl-               | 204 | C16H12  | 000612-94-2 | 93   |
| 3    |    | Tricyclo[8.2.2.2(4,7)]hexadeca-2...  | 204 | C16H12  | 006572-60-7 | 83   |
| 4    |    | Naphthalene, 1-phenyl-               | 204 | C16H12  | 000605-02-7 | 58   |
| 5    |    | 5,16[1',2']:8,13[1'',2'']-Dibenz...  | 408 | C32H24  | 005672-97-9 | 53   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031920\  
Data File : BF119458.D  
Acq On : 20 Mar 2020 00:48  
Operator : CG/JU  
Sample : L1978-02  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5A

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

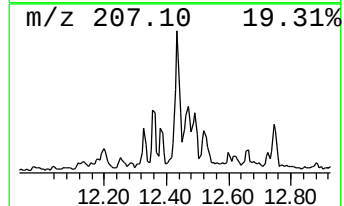
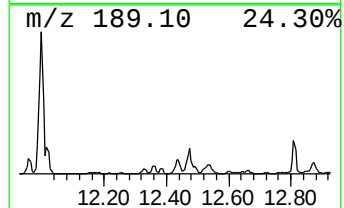
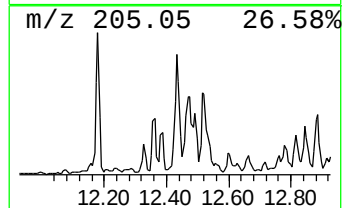
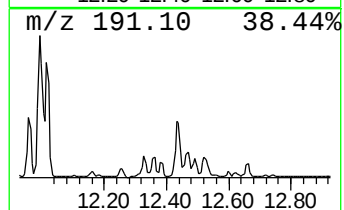
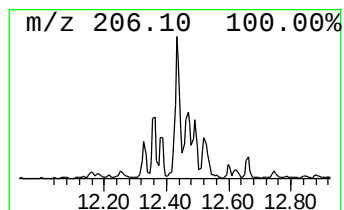
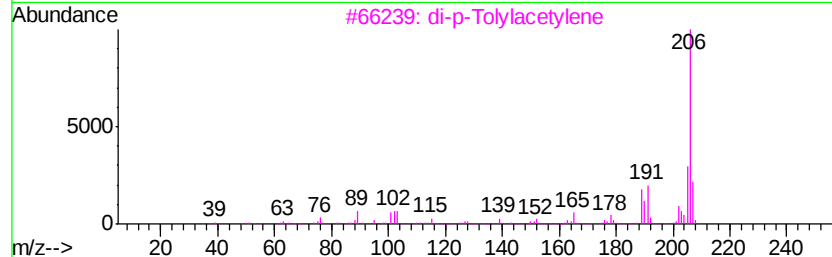
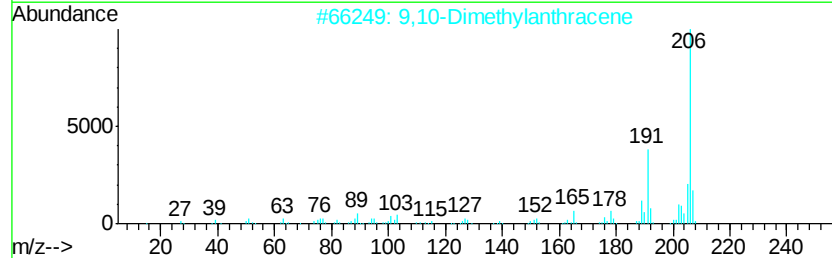
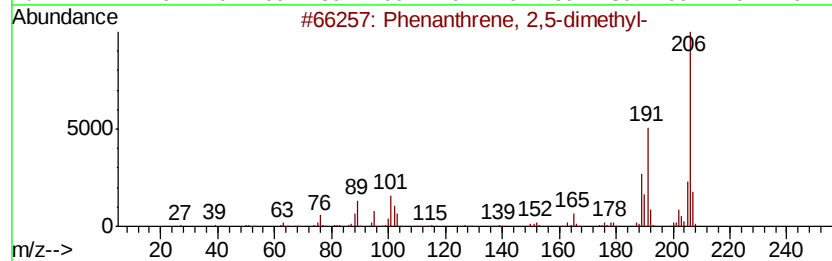
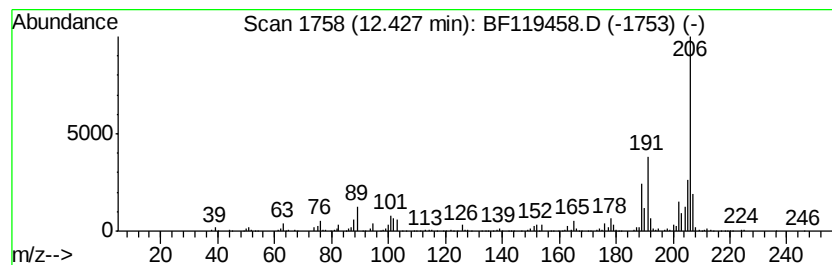
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

| R.T.  | EstConc | Area    | Relative to ISTD | R.T.  |
|-------|---------|---------|------------------|-------|
| 12.43 | 7.53 ng | 1175370 | Phenanthrene-d10 | 11.38 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2,5-dimethyl- | 206 | C16H14  | 003674-66-6 | 97   |
| 2    |    |   | 9,10-Dimethylantracene      | 206 | C16H14  | 000781-43-1 | 96   |
| 3    |    |   | di-p-Tolylacetylene         | 206 | C16H14  | 002789-88-0 | 93   |
| 4    |    |   | Phenanthrene, 1,7-dimethyl- | 206 | C16H14  | 000483-87-4 | 93   |
| 5    |    |   | Anthracene, 1,4-dimethyl-   | 206 | C16H14  | 000781-92-0 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031920\  
Data File : BF119458.D  
Acq On : 20 Mar 2020 00:48  
Operator : CG/JU  
Sample : L1978-02  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5A

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

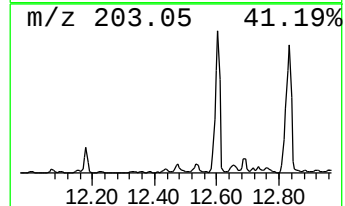
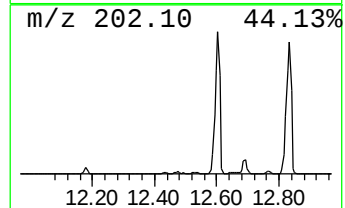
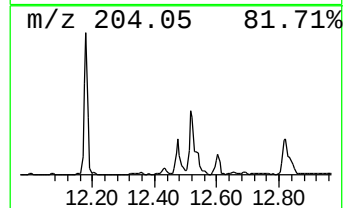
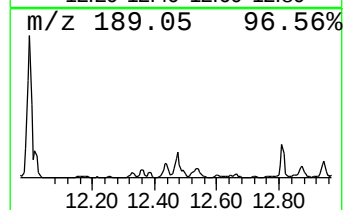
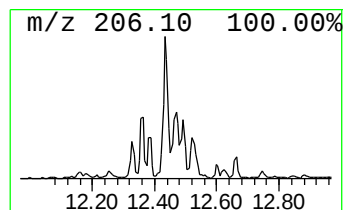
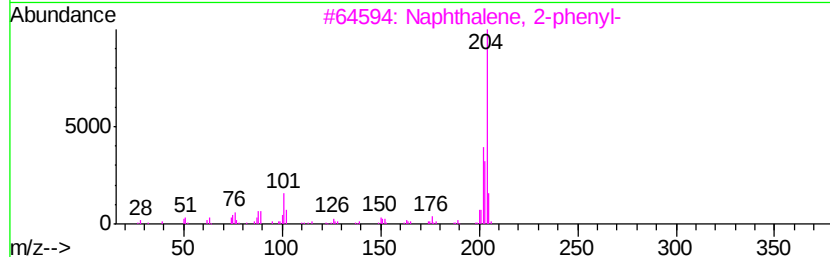
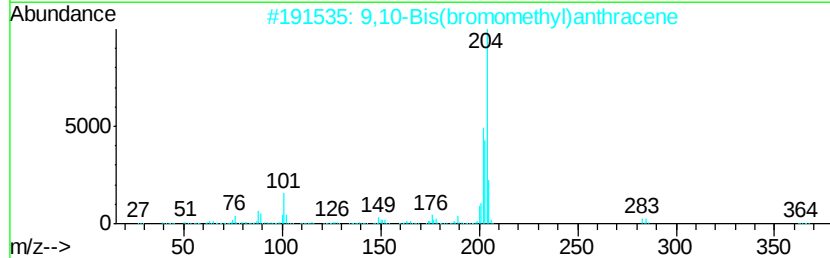
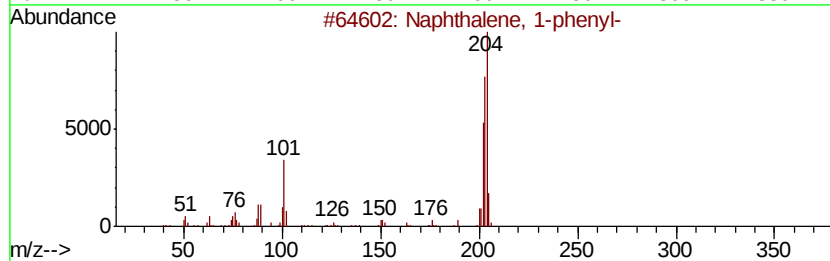
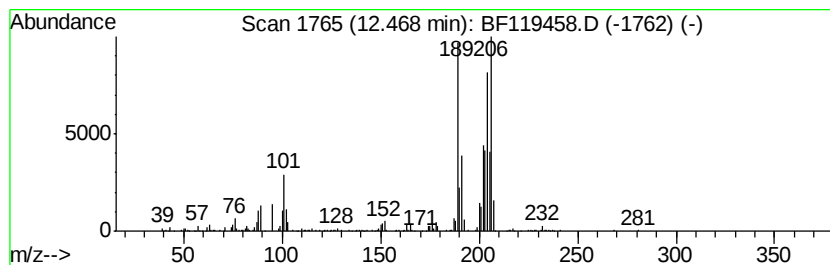
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 unknown12.47 Concentration Rank 15

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.47 | 5.09 ng | 794994 | Phenanthrene-d10 | 11.38 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Naphthalene, 1-phenyl-              | 204 | C16H12    | 000605-02-7 | 47   |
| 2    |    | 9,10-Bis(bromomethyl)anthracene     | 362 | C16H12Br2 | 034373-96-1 | 43   |
| 3    |    | Naphthalene, 2-phenyl-              | 204 | C16H12    | 000612-94-2 | 41   |
| 4    |    | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12    | 006572-60-7 | 38   |
| 5    |    | Indeno[2,1-a]indene, 5,10-dihydro-  | 204 | C16H12    | 006543-29-9 | 25   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031920\  
Data File : BF119458.D  
Acq On : 20 Mar 2020 00:48  
Operator : CG/JU  
Sample : L1978-02  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5A

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

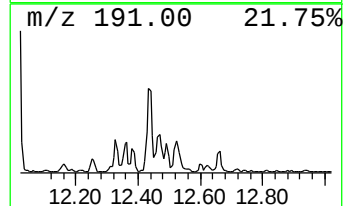
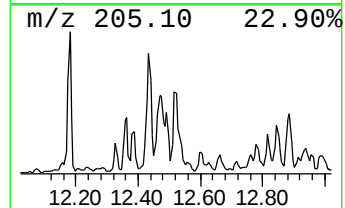
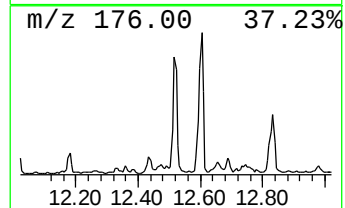
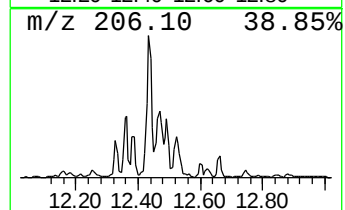
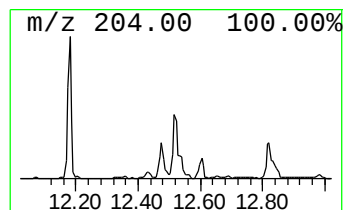
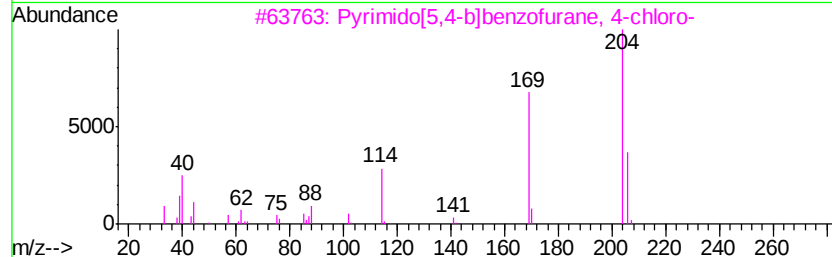
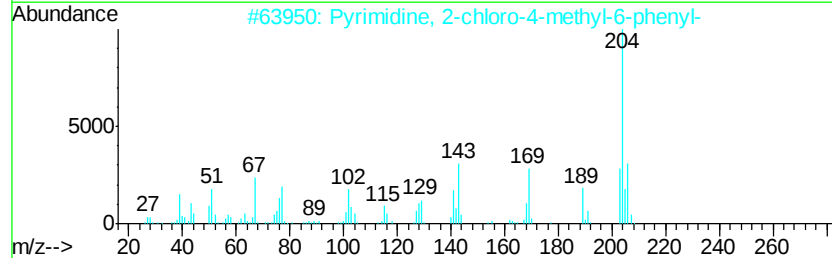
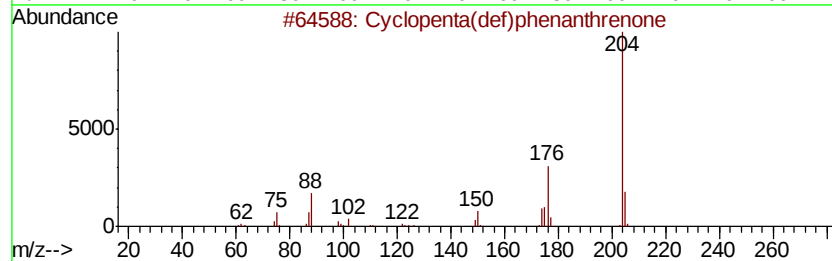
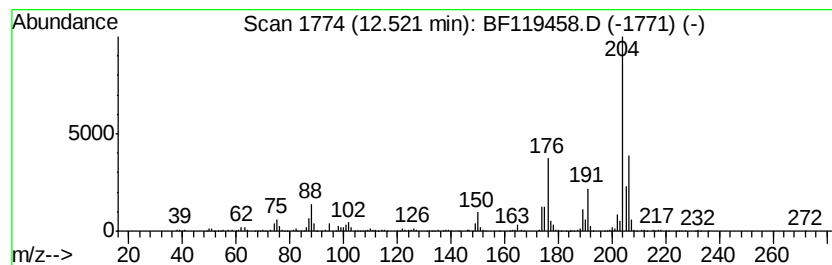
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.52 | 6.05 ng | 943727 | Phenanthrene-d10 | 11.38 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Cyclopenta(def)phenanthrenone       | 204 | C15H8O     | 005737-13-3 | 96   |
| 2    |    | Pyrimidine, 2-chloro-4-methyl-6-... | 204 | C11H9ClN2  | 032785-40-3 | 50   |
| 3    |    | Pyrimido[5,4-b]benzofurane, 4-ch... | 204 | C10H5ClN2O | 039876-88-5 | 46   |
| 4    |    | [1,1'-Biphenyl]-2,2'-dicarbonitrile | 204 | C14H8N2    | 004341-02-0 | 43   |
| 5    |    | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12     | 006572-60-7 | 43   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031920\  
Data File : BF119458.D  
Acq On : 20 Mar 2020 00:48  
Operator : CG/JU  
Sample : L1978-02  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5A

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

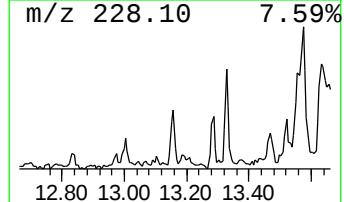
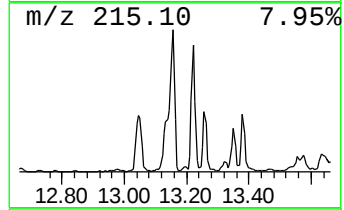
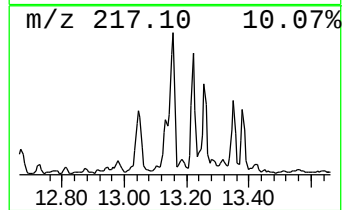
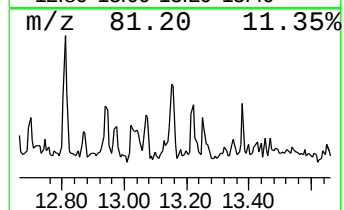
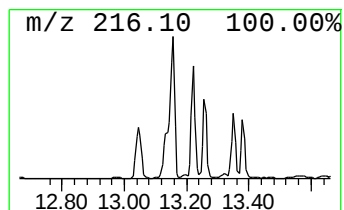
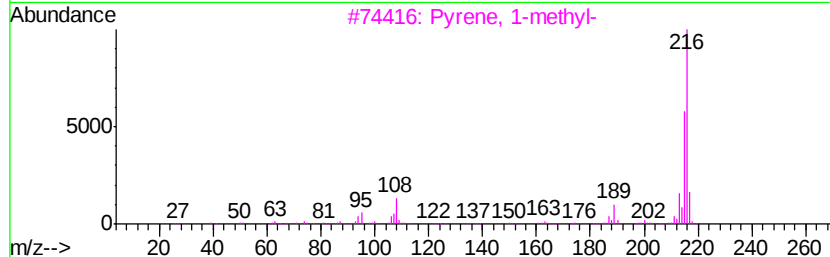
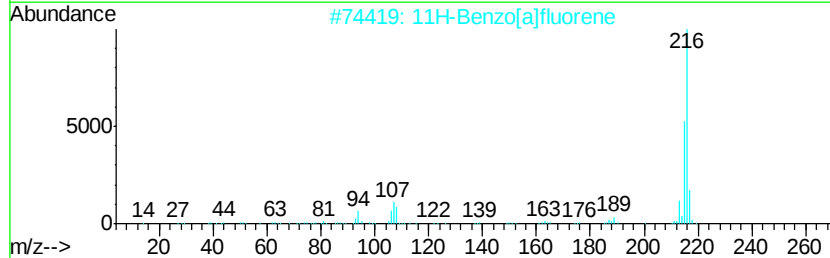
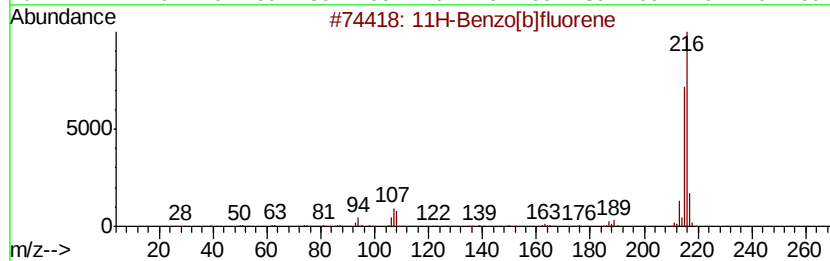
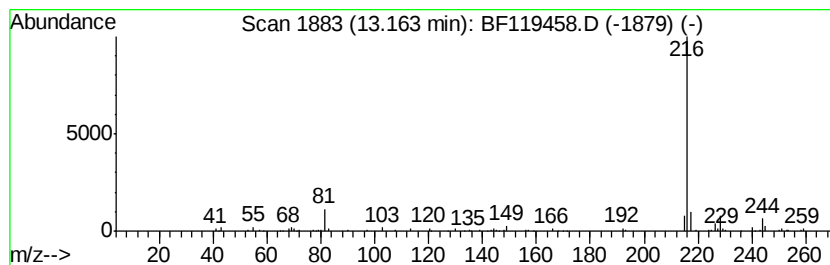
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 16

| R.T.  | EstConc | Area    | Relative to ISTD | R.T.  |
|-------|---------|---------|------------------|-------|
| 13.16 | 5.09 ng | 2130970 | Chrysene-d12     | 14.03 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 11H-Benzo[b]fluorene                | 216 | C17H12    | 000243-17-4  | 94   |
| 2    |    | 11H-Benzo[a]fluorene                | 216 | C17H12    | 000238-84-6  | 93   |
| 3    |    | Pvrene, 1-methyl-                   | 216 | C17H12    | 002381-21-7  | 90   |
| 4    |    | Fluoranthene, 2-methyl-             | 216 | C17H12    | 033543-31-6  | 83   |
| 5    |    | 6H-Thiazolo[5,4-e]indole, 2,7,8-... | 216 | C12H12N2S | 1000338-32-0 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031920\  
Data File : BF119458.D  
Acq On : 20 Mar 2020 00:48  
Operator : CG/JU  
Sample : L1978-02  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5A

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

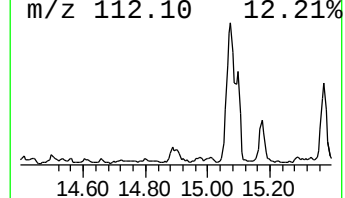
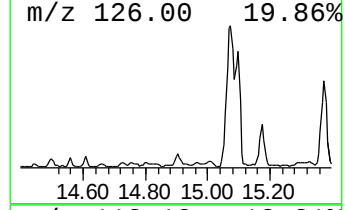
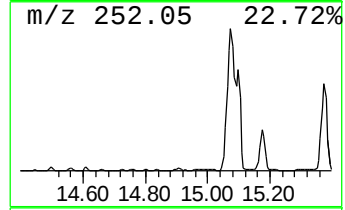
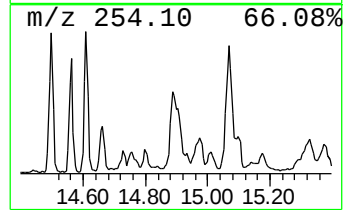
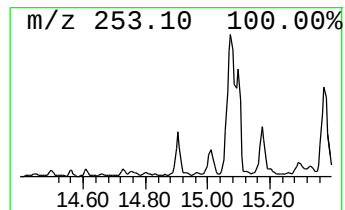
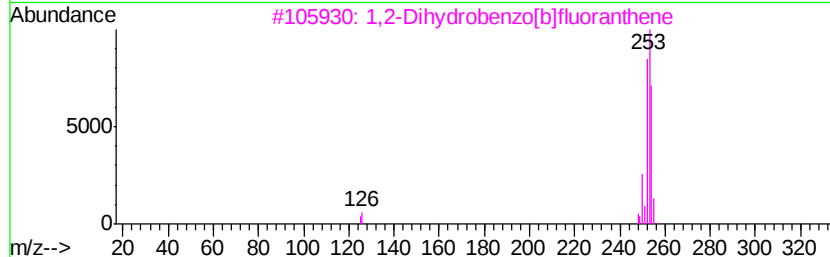
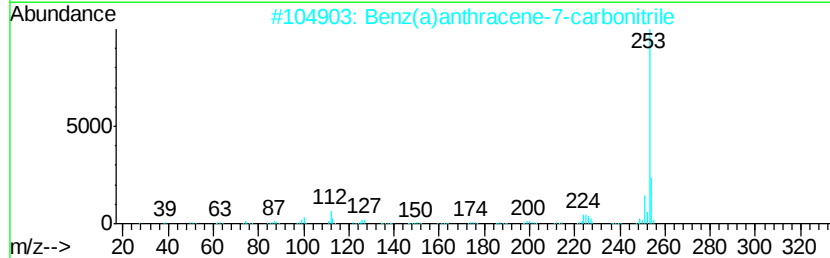
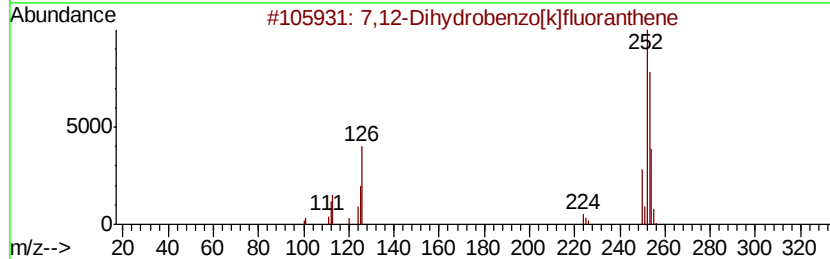
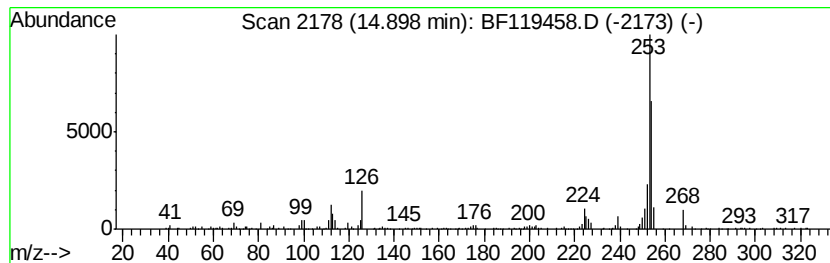
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 14 7,12-Dihydrobenzo[k]fluoran... Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.90 | 6.57 ng | 708551 | Perylene-d12     | 15.50 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | 7,12-Dihydrobenzo[k]fluoranthene    | 254 | C20H14  | 1000080-17-7 | 64   |
| 2    |    |   | Benz(a)anthracene-7-carbonitrile    | 253 | C19H11N | 007476-08-6  | 55   |
| 3    |    |   | 1,2-Dihydrobenzo[b]fluoranthene     | 254 | C20H14  | 100516-13-0  | 53   |
| 4    |    |   | 4,4'-Biazulenvyl                    | 254 | C20H14  | 094053-54-0  | 43   |
| 5    |    |   | Plumbane, trimethyl(1-methylprop... | 310 | C7H18Pb | 054964-76-0  | 43   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031920\  
Data File : BF119458.D  
Acq On : 20 Mar 2020 00:48  
Operator : CG/JU  
Sample : L1978-02  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5A

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

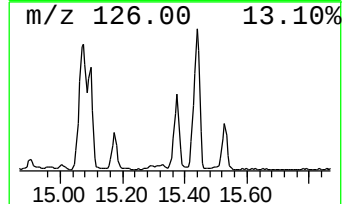
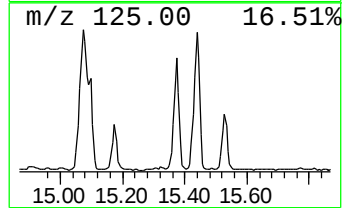
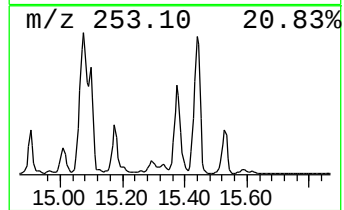
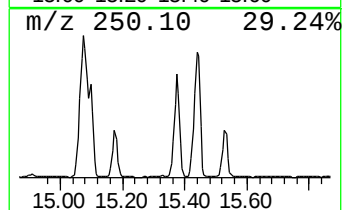
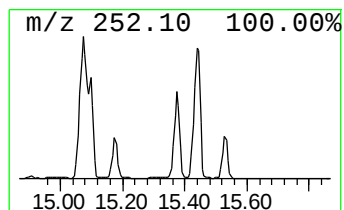
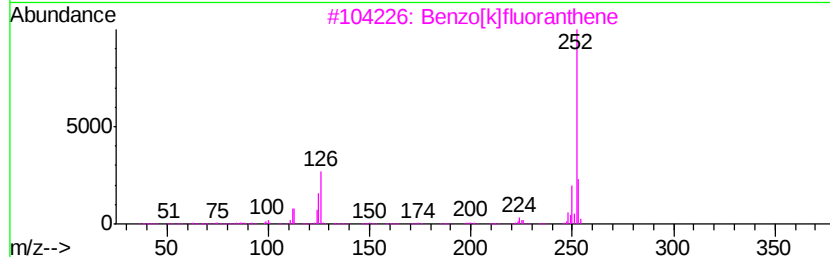
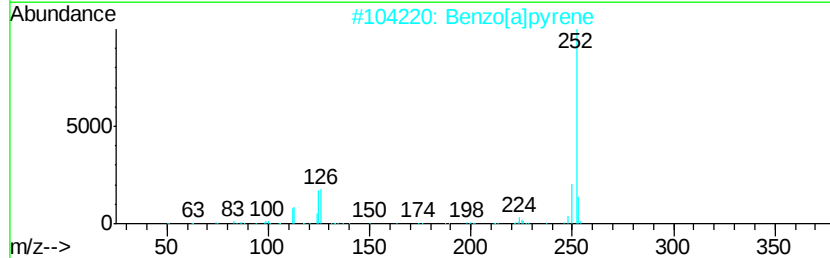
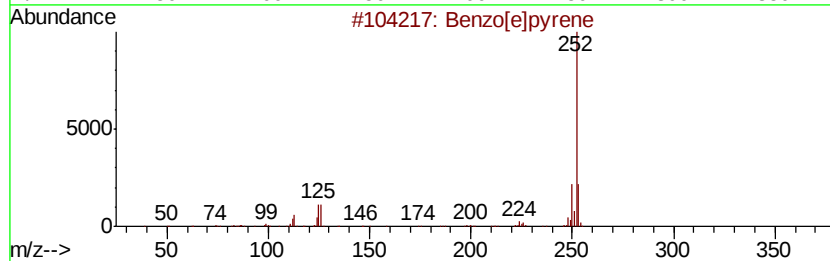
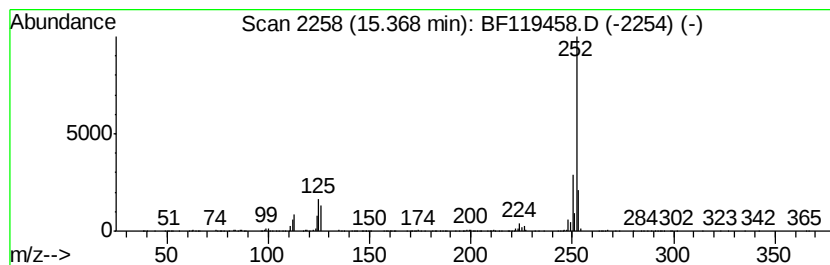
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 16 Benzo[e]pyrene Concentration Rank 2

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 15.37 | 28.91 ng | 3117720 | Perylene-d12     | 15.50 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzo[e]pyrene            | 252 | C20H12  | 000192-97-2 | 95   |
| 2    |    | Benzo[a]pyrene            | 252 | C20H12  | 000050-32-8 | 95   |
| 3    |    | Benzo[k]fluoranthene      | 252 | C20H12  | 000207-08-9 | 93   |
| 4    |    | Benzo[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 90   |
| 5    |    | Perylene                  | 252 | C20H12  | 000198-55-0 | 89   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031920\  
Data File : BF119458.D  
Acq On : 20 Mar 2020 00:48  
Operator : CG/JU  
Sample : L1978-02  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5A

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

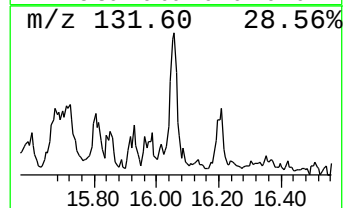
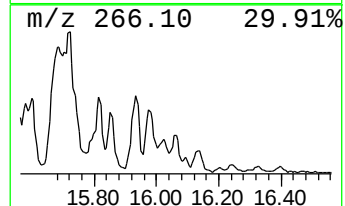
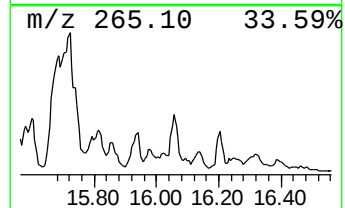
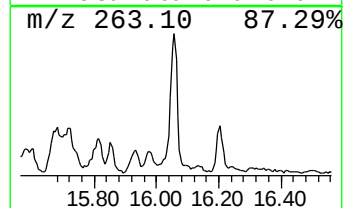
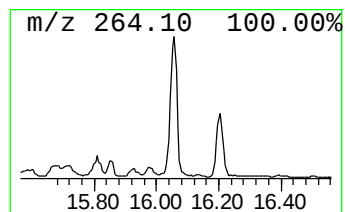
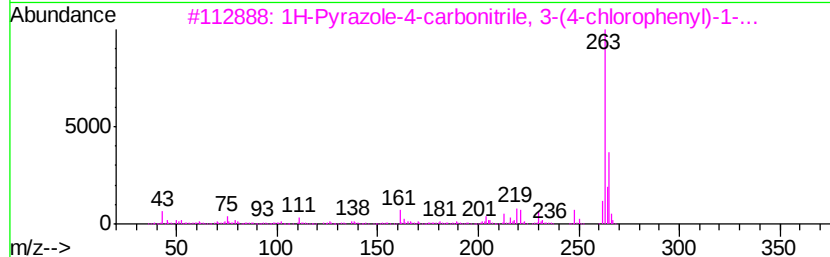
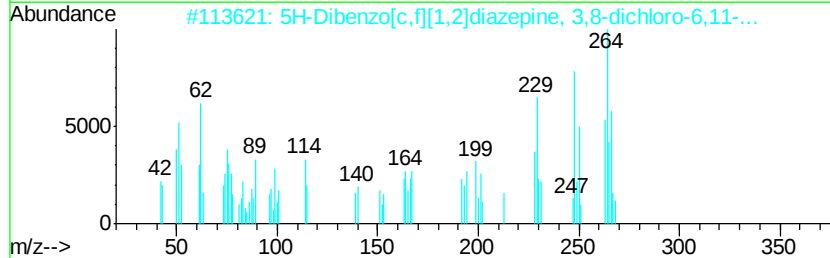
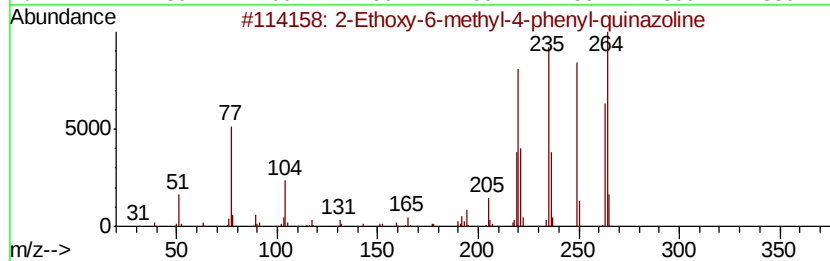
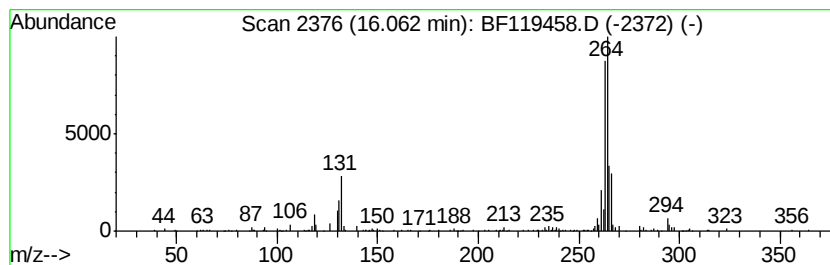
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 17 2-Ethoxy-6-methyl-4-phenyl-... Concentration Rank 17

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.06 | 4.81 ng | 518779 | Perylene-d12     | 15.50 |

| Hit# | of | Tentative ID                              | MW  | MolForm      | CAS#         | Qual |
|------|----|-------------------------------------------|-----|--------------|--------------|------|
| 1    | 5  | 2-Ethoxy-6-methyl-4-phenyl-quinazoline... | 264 | C17H16N2O    | 1000318-42-5 | 52   |
| 2    |    | 5H-Dibenzo[c,f][1,2]diazepine, 3...       | 264 | C13H10Cl2N2  | 000955-66-8  | 38   |
| 3    |    | 1H-Pyrazole-4-carbonitrile, 3-(4...       | 263 | C12H10ClN3S  | 068364-67-0  | 38   |
| 4    |    | 2,3,4,5,6-Pentachlorobenzyl 3-et...       | 518 | C18H15Cl5O5S | 1000332-55-0 | 35   |
| 5    |    | Iron, (.eta.-5-cyclopentadienyl)...       | 264 | C16H16Fe     | 1000155-06-6 | 32   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031920\  
Data File : BF119458.D  
Acq On : 20 Mar 2020 00:48  
Operator : CG/JU  
Sample : L1978-02  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5A

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

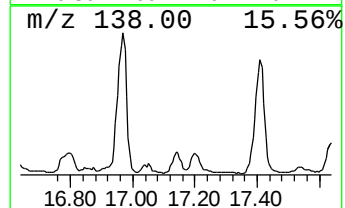
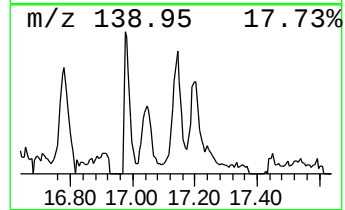
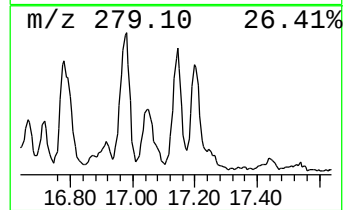
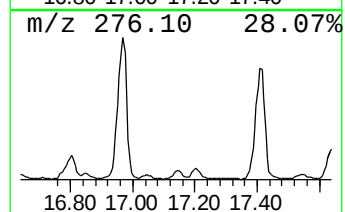
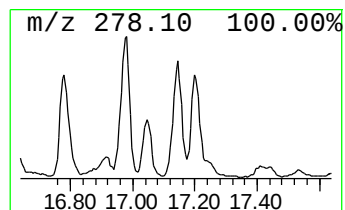
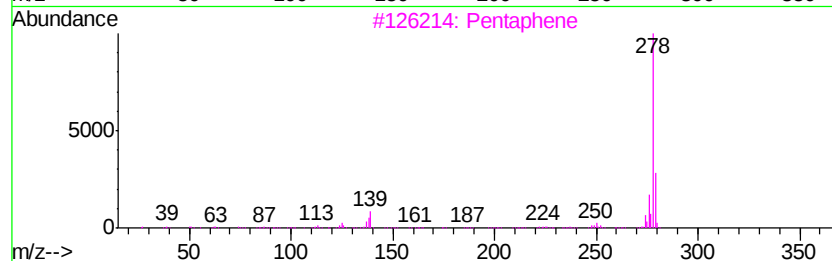
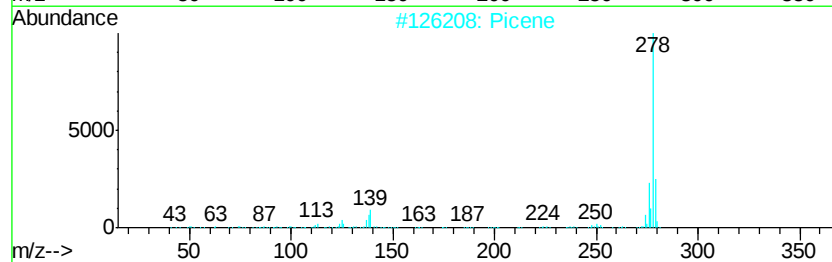
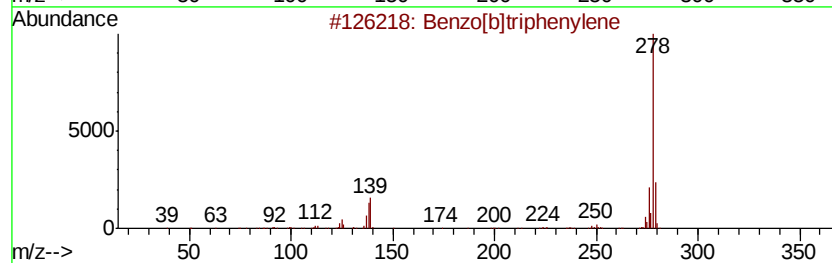
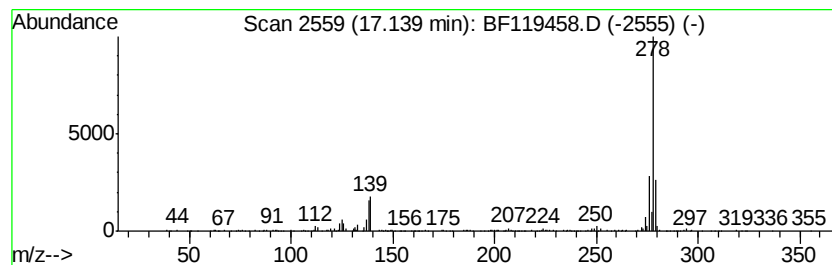
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 Benzo[b]triphenylene Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 17.14 | 5.54 ng | 597341 | Perylene-d12     | 15.50 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[b]triphenylene  | 278 | C22H14  | 000215-58-7 | 99   |
| 2    |    |   | Picene                | 278 | C22H14  | 000213-46-7 | 98   |
| 3    |    |   | Pentaphene            | 278 | C22H14  | 000222-93-5 | 97   |
| 4    |    |   | Benzo[b]chrysene      | 278 | C22H14  | 000214-17-5 | 96   |
| 5    |    |   | Dibenz[a,h]anthracene | 278 | C22H14  | 000053-70-3 | 95   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031920\  
Data File : BF119458.D  
Acq On : 20 Mar 2020 00:48  
Operator : CG/JU  
Sample : L1978-02  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5A

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

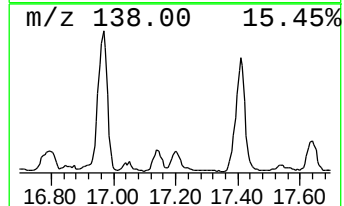
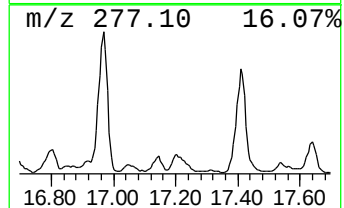
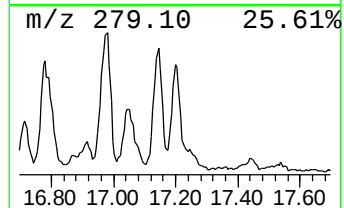
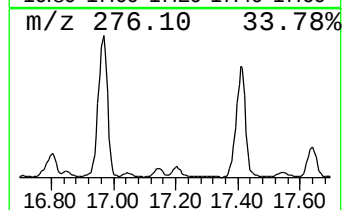
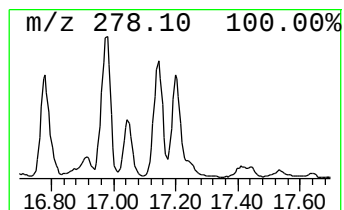
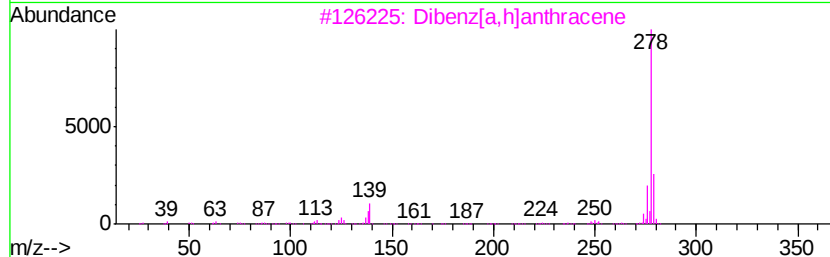
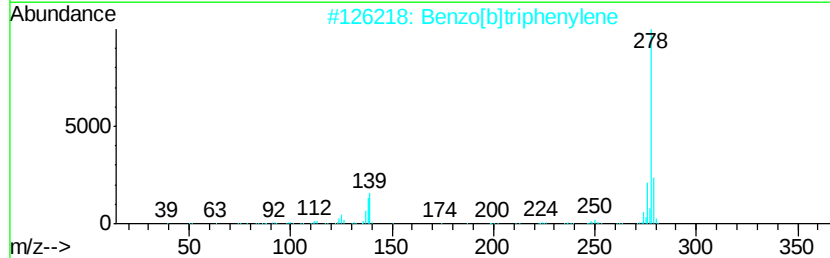
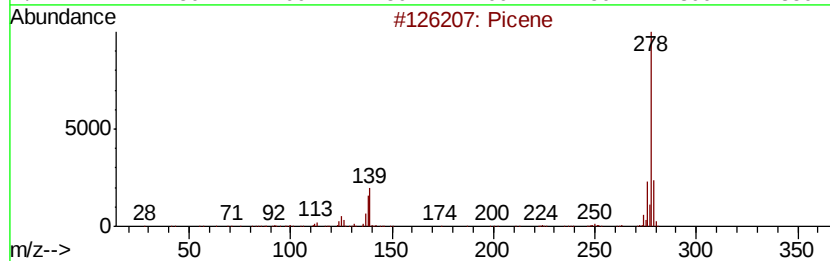
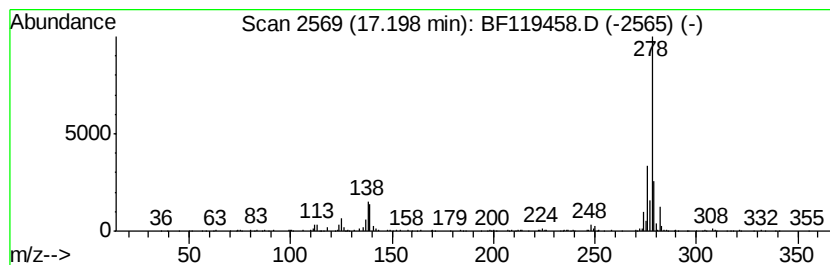
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 Picene Concentration Rank 20

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 17.20 | 4.49 ng | 484545 | Perylene-d12     | 15.50 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Picene                | 278 | C22H14  | 000213-46-7 | 96   |
| 2    |    | Benzo[b]triphenylene  | 278 | C22H14  | 000215-58-7 | 96   |
| 3    |    | Dibenz[a,h]anthracene | 278 | C22H14  | 000053-70-3 | 91   |
| 4    |    | Pentaphene            | 278 | C22H14  | 000222-93-5 | 90   |
| 5    |    | Benzo[b]chrysene      | 278 | C22H14  | 000214-17-5 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF031920\  
 Data File : BF119458.D  
 Acq On : 20 Mar 2020 00:48  
 Operator : CG/JU  
 Sample : L1978-02  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-5A

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Butane, 2-methoxy... | 2.13  | 4.7     | ng    | 497497   | 1                     | 6.85  | 2112780 | 20.0 |
| Phenanthrene, 2-m... | 11.89 | 9.9     | ng    | 1541790  | 4                     | 11.38 | 3120980 | 20.0 |
| Phenanthrene, 1-m... | 11.91 | 15.2    | ng    | 2375650  | 4                     | 11.38 | 3120980 | 20.0 |
| Phenanthrene, 3-m... | 11.96 | 4.5     | ng    | 704367   | 4                     | 11.38 | 3120980 | 20.0 |
| 4H-Cyclopenta[def... | 12.00 | 20.1    | ng    | 3133110  | 4                     | 11.38 | 3120980 | 20.0 |
| Phenanthrene, 4-m... | 12.02 | 6.1     | ng    | 956435   | 4                     | 11.38 | 3120980 | 20.0 |
| 1,2,4,8-Tetrameth... | 12.18 | 7.0     | ng    | 1096620  | 4                     | 11.38 | 3120980 | 20.0 |
| Phenanthrene, 2,5... | 12.43 | 7.5     | ng    | 1175370  | 4                     | 11.38 | 3120980 | 20.0 |
| unknown12.47         | 12.47 | 5.1     | ng    | 794994   | 4                     | 11.38 | 3120980 | 20.0 |
| Cyclopenta(def)ph... | 12.52 | 6.0     | ng    | 943727   | 4                     | 11.38 | 3120980 | 20.0 |
| 11H-Benzo[b]fluorene | 13.16 | 5.1     | ng    | 2130970  | 5                     | 14.03 | 8369330 | 20.0 |
| 7,12-Dihydrobenzo... | 14.90 | 6.6     | ng    | 708551   | 6                     | 15.50 | 2157030 | 20.0 |
| Benzo[e]pyrene       | 15.37 | 28.9    | ng    | 3117720  | 6                     | 15.50 | 2157030 | 20.0 |
| 2-Ethoxy-6-methyl... | 16.06 | 4.8     | ng    | 518779   | 6                     | 15.50 | 2157030 | 20.0 |
| Benzo[b]triphenylene | 17.14 | 5.5     | ng    | 597341   | 6                     | 15.50 | 2157030 | 20.0 |
| Picene               | 17.20 | 4.5     | ng    | 484545   | 6                     | 15.50 | 2157030 | 20.0 |