

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021819\  
 Data File : BF112607.D  
 Acq On : 18 Feb 2019 18:06  
 Operator : JU/SJ  
 Sample : K1518-05  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CABLE-BRIDGE-FOUNDATION-D-3

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-BF012519.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         | 5.463       | 570           | 574         | 600          | rBV      | 2471465        | 2538490       | 29.44%          | 2.273%        |
| 2         | 6.481       | 742           | 747         | 763          | rBV      | 2455281        | 2956645       | 34.29%          | 2.647%        |
| 3         | 6.604       | 763           | 768         | 771          | rBV      | 3176414        | 2905970       | 33.70%          | 2.602%        |
| 4         | 6.822       | 802           | 805         | 813          | rBV      | 645835         | 553511        | 6.42%           | 0.496%        |
| 5         | 6.981       | 828           | 832         | 835          | rBV      | 2470878        | 2117933       | 24.56%          | 1.896%        |
| 6         | 7.392       | 897           | 902         | 913          | rBV      | 1710542        | 1807631       | 20.96%          | 1.618%        |
| 7         | 8.104       | 1019          | 1023        | 1025         | rBV      | 813417         | 723520        | 8.39%           | 0.648%        |
| 8         | 8.128       | 1025          | 1027        | 1034         | rVB      | 529146         | 466695        | 5.41%           | 0.418%        |
| 9         | 8.816       | 1141          | 1144        | 1152         | rBV      | 420448         | 387865        | 4.50%           | 0.347%        |
| 10        | 8.916       | 1156          | 1161        | 1169         | rVB      | 502992         | 445570        | 5.17%           | 0.399%        |
| 11        | 9.181       | 1200          | 1206        | 1209         | rBV      | 3334428        | 2990530       | 34.68%          | 2.678%        |
| 12        | 9.445       | 1246          | 1251        | 1256         | rBV      | 230379         | 313516        | 3.64%           | 0.281%        |
| 13        | 9.522       | 1259          | 1264        | 1266         | rBV      | 469116         | 501922        | 5.82%           | 0.449%        |
| 14        | 9.545       | 1266          | 1268        | 1270         | rVV      | 277001         | 237954        | 2.76%           | 0.213%        |
| 15        | 9.639       | 1280          | 1284        | 1291         | rVB      | 247161         | 306007        | 3.55%           | 0.274%        |
| 16        | 9.722       | 1295          | 1298        | 1302         | rVB      | 393191         | 325940        | 3.78%           | 0.292%        |
| 17        | 9.863       | 1319          | 1322        | 1324         | rVV      | 932431         | 854651        | 9.91%           | 0.765%        |
| 18        | 9.892       | 1324          | 1327        | 1330         | rVB      | 910969         | 747799        | 8.67%           | 0.670%        |
| 19        | 10.069      | 1352          | 1357        | 1360         | rVV2     | 656452         | 695416        | 8.06%           | 0.623%        |
| 20        | 10.104      | 1360          | 1363        | 1366         | rVB      | 223935         | 203371        | 2.36%           | 0.182%        |
| 21        | 10.410      | 1411          | 1415        | 1420         | rVV      | 1335510        | 1210303       | 14.03%          | 1.084%        |
| 22        | 10.475      | 1424          | 1426        | 1428         | rVV      | 252105         | 257330        | 2.98%           | 0.230%        |
| 23        | 10.492      | 1428          | 1429        | 1432         | rVV      | 261767         | 214201        | 2.48%           | 0.192%        |
| 24        | 10.569      | 1439          | 1442        | 1446         | rVV      | 307510         | 338647        | 3.93%           | 0.303%        |
| 25        | 10.657      | 1450          | 1457        | 1461         | rVV2     | 2447275        | 2743436       | 31.81%          | 2.456%        |
| 26        | 10.957      | 1501          | 1508        | 1511         | rBV3     | 378699         | 535607        | 6.21%           | 0.480%        |
| 27        | 10.986      | 1511          | 1513        | 1516         | rVV      | 289058         | 269223        | 3.12%           | 0.241%        |
| 28        | 11.086      | 1525          | 1530        | 1532         | rBV2     | 194824         | 287631        | 3.34%           | 0.258%        |
| 29        | 11.110      | 1532          | 1534        | 1539         | rVV      | 210918         | 252198        | 2.92%           | 0.226%        |
| 30        | 11.163      | 1539          | 1543        | 1547         | rVV      | 518929         | 543775        | 6.31%           | 0.487%        |
| 31        | 11.204      | 1547          | 1550        | 1553         | rVV2     | 276072         | 333171        | 3.86%           | 0.298%        |
| 32        | 11.245      | 1554          | 1557        | 1563         | rVB      | 654378         | 693518        | 8.04%           | 0.621%        |
| 33        | 11.357      | 1569          | 1576        | 1577         | rBV      | 748379         | 876677        | 10.17%          | 0.785%        |
| 34        | 11.392      | 1577          | 1582        | 1585         | rVV      | 6698745        | 8623465       | 100.00%         | 7.721%        |

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Instrument :  
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 ClientSampleId :  
 CABLE-BRIDGE-FOUNDATION-D-3

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-BF012519.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 11.433 | 1585 | 1589 | 1592 | rVV  | 2305875 | 2060233 | 23.89% | 1.845% |
| 36 | 11.469 | 1592 | 1595 | 1600 | rVV  | 201574  | 341566  | 3.96%  | 0.306% |
| 37 | 11.586 | 1611 | 1615 | 1620 | rVV2 | 916901  | 1039229 | 12.05% | 0.930% |
| 38 | 11.639 | 1621 | 1624 | 1626 | rVV2 | 273405  | 269265  | 3.12%  | 0.241% |
| 39 | 11.686 | 1626 | 1632 | 1637 | rVV4 | 324684  | 537982  | 6.24%  | 0.482% |
| 40 | 11.763 | 1641 | 1645 | 1649 | rVV2 | 216396  | 298911  | 3.47%  | 0.268% |
| 41 | 11.857 | 1657 | 1661 | 1663 | rVV  | 1679041 | 1577700 | 18.30% | 1.413% |
| 42 | 11.886 | 1663 | 1666 | 1670 | rVV  | 2151986 | 1954911 | 22.67% | 1.750% |
| 43 | 11.933 | 1670 | 1674 | 1677 | rVV  | 641637  | 600984  | 6.97%  | 0.538% |
| 44 | 11.969 | 1677 | 1680 | 1683 | rVV2 | 2070135 | 2452090 | 28.44% | 2.195% |
| 45 | 11.992 | 1683 | 1684 | 1688 | rVB  | 1233180 | 669517  | 7.76%  | 0.599% |
| 46 | 12.145 | 1707 | 1710 | 1713 | rVV  | 1033099 | 880981  | 10.22% | 0.789% |
| 47 | 12.192 | 1715 | 1718 | 1721 | rVV  | 819659  | 776127  | 9.00%  | 0.695% |
| 48 | 12.298 | 1731 | 1736 | 1739 | rBV2 | 382638  | 460153  | 5.34%  | 0.412% |
| 49 | 12.327 | 1739 | 1741 | 1744 | rVV  | 314079  | 298677  | 3.46%  | 0.267% |
| 50 | 12.357 | 1744 | 1746 | 1749 | rVB  | 241410  | 209338  | 2.43%  | 0.187% |
| 51 | 12.404 | 1750 | 1754 | 1757 | rBV  | 870448  | 962926  | 11.17% | 0.862% |
| 52 | 12.445 | 1757 | 1761 | 1763 | rVV3 | 398263  | 563321  | 6.53%  | 0.504% |
| 53 | 12.510 | 1767 | 1772 | 1775 | rVB2 | 491714  | 662808  | 7.69%  | 0.593% |
| 54 | 12.586 | 1779 | 1785 | 1788 | rBV  | 5618330 | 7871819 | 91.28% | 7.048% |
| 55 | 12.633 | 1791 | 1793 | 1796 | rBV2 | 213136  | 209838  | 2.43%  | 0.188% |
| 56 | 12.721 | 1805 | 1808 | 1812 | rBV  | 511115  | 520292  | 6.03%  | 0.466% |
| 57 | 12.816 | 1817 | 1824 | 1827 | rBV2 | 5280677 | 7606557 | 88.21% | 6.810% |
| 58 | 12.851 | 1827 | 1830 | 1834 | rVB2 | 463091  | 494717  | 5.74%  | 0.443% |
| 59 | 12.933 | 1834 | 1844 | 1847 | rBV2 | 2638303 | 2956529 | 34.28% | 2.647% |
| 60 | 12.969 | 1847 | 1850 | 1854 | rVB  | 297148  | 350537  | 4.06%  | 0.314% |
| 61 | 13.027 | 1854 | 1860 | 1863 | rBV2 | 580212  | 1013647 | 11.75% | 0.908% |
| 62 | 13.133 | 1870 | 1878 | 1883 | rVB2 | 949141  | 1507355 | 17.48% | 1.350% |
| 63 | 13.198 | 1883 | 1889 | 1891 | rBV  | 539757  | 591225  | 6.86%  | 0.529% |
| 64 | 13.239 | 1891 | 1896 | 1899 | rVV2 | 734215  | 909331  | 10.54% | 0.814% |
| 65 | 13.327 | 1908 | 1911 | 1914 | rBV  | 491082  | 442023  | 5.13%  | 0.396% |
| 66 | 13.357 | 1914 | 1916 | 1919 | rVB  | 479413  | 402783  | 4.67%  | 0.361% |
| 67 | 13.504 | 1934 | 1941 | 1943 | rBV3 | 122106  | 230216  | 2.67%  | 0.206% |
| 68 | 13.645 | 1962 | 1965 | 1969 | rVV  | 674890  | 671353  | 7.79%  | 0.601% |
| 69 | 13.751 | 1978 | 1983 | 1985 | rBV2 | 787059  | 856604  | 9.93%  | 0.767% |
| 70 | 13.774 | 1985 | 1987 | 1989 | rVV  | 616892  | 480433  | 5.57%  | 0.430% |
| 71 | 13.816 | 1989 | 1994 | 1998 | rVV3 | 504577  | 897828  | 10.41% | 0.804% |

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 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CABLE-BRIDGE-FOUNDATION-D-3

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-BF012519.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 72  | 13.857 | 1998 | 2001 | 2005 | rVB  | 670740  | 649973  | 7.54%  | 0.582% |
| 73  | 13.998 | 2019 | 2025 | 2029 | rVV2 | 2938531 | 4527328 | 52.50% | 4.054% |
| 74  | 14.039 | 2029 | 2032 | 2037 | rVB  | 2825417 | 2749797 | 31.89% | 2.462% |
| 75  | 14.110 | 2042 | 2044 | 2047 | rVV  | 355163  | 297569  | 3.45%  | 0.266% |
| 76  | 14.163 | 2050 | 2053 | 2057 | rVV2 | 192610  | 314067  | 3.64%  | 0.281% |
| 77  | 14.233 | 2061 | 2065 | 2068 | rVV2 | 314231  | 356064  | 4.13%  | 0.319% |
| 78  | 14.351 | 2083 | 2085 | 2087 | rBV  | 191473  | 202020  | 2.34%  | 0.181% |
| 79  | 14.392 | 2087 | 2092 | 2095 | rVV  | 685709  | 925024  | 10.73% | 0.828% |
| 80  | 14.421 | 2095 | 2097 | 2099 | rVV  | 398177  | 387151  | 4.49%  | 0.347% |
| 81  | 14.463 | 2102 | 2104 | 2106 | rVV2 | 338591  | 325033  | 3.77%  | 0.291% |
| 82  | 14.492 | 2106 | 2109 | 2111 | rVV2 | 180473  | 207493  | 2.41%  | 0.186% |
| 83  | 14.515 | 2111 | 2113 | 2119 | rVV3 | 380758  | 578299  | 6.71%  | 0.518% |
| 84  | 14.580 | 2120 | 2124 | 2127 | rVB2 | 222283  | 282128  | 3.27%  | 0.253% |
| 85  | 14.721 | 2144 | 2148 | 2150 | rBV  | 205476  | 293426  | 3.40%  | 0.263% |
| 86  | 14.815 | 2161 | 2164 | 2168 | rVB2 | 255467  | 299303  | 3.47%  | 0.268% |
| 87  | 14.892 | 2174 | 2177 | 2180 | rVB2 | 260273  | 266867  | 3.09%  | 0.239% |
| 88  | 15.062 | 2200 | 2206 | 2213 | rBV  | 2163247 | 4681219 | 54.28% | 4.191% |
| 89  | 15.162 | 2219 | 2223 | 2226 | rBV  | 414449  | 455448  | 5.28%  | 0.408% |
| 90  | 15.245 | 2234 | 2237 | 2242 | rBV4 | 115187  | 230192  | 2.67%  | 0.206% |
| 91  | 15.362 | 2252 | 2257 | 2263 | rVB  | 1311224 | 1607483 | 18.64% | 1.439% |
| 92  | 15.433 | 2263 | 2269 | 2274 | rVB  | 1825617 | 2519481 | 29.22% | 2.256% |
| 93  | 15.480 | 2274 | 2277 | 2280 | rBV  | 437716  | 524087  | 6.08%  | 0.469% |
| 94  | 15.515 | 2280 | 2283 | 2289 | rVB2 | 550209  | 736663  | 8.54%  | 0.660% |
| 95  | 16.768 | 2491 | 2496 | 2500 | rBV2 | 118450  | 220916  | 2.56%  | 0.198% |
| 96  | 16.992 | 2525 | 2534 | 2539 | rVB2 | 845819  | 1783591 | 20.68% | 1.597% |
| 97  | 17.139 | 2554 | 2559 | 2565 | rBV  | 193022  | 363744  | 4.22%  | 0.326% |
| 98  | 17.204 | 2566 | 2570 | 2579 | rVB2 | 160342  | 286297  | 3.32%  | 0.256% |
| 99  | 17.445 | 2603 | 2611 | 2620 | rVB  | 618888  | 1356429 | 15.73% | 1.214% |
| 100 | 17.686 | 2647 | 2652 | 2665 | rVB  | 147419  | 371692  | 4.31%  | 0.333% |

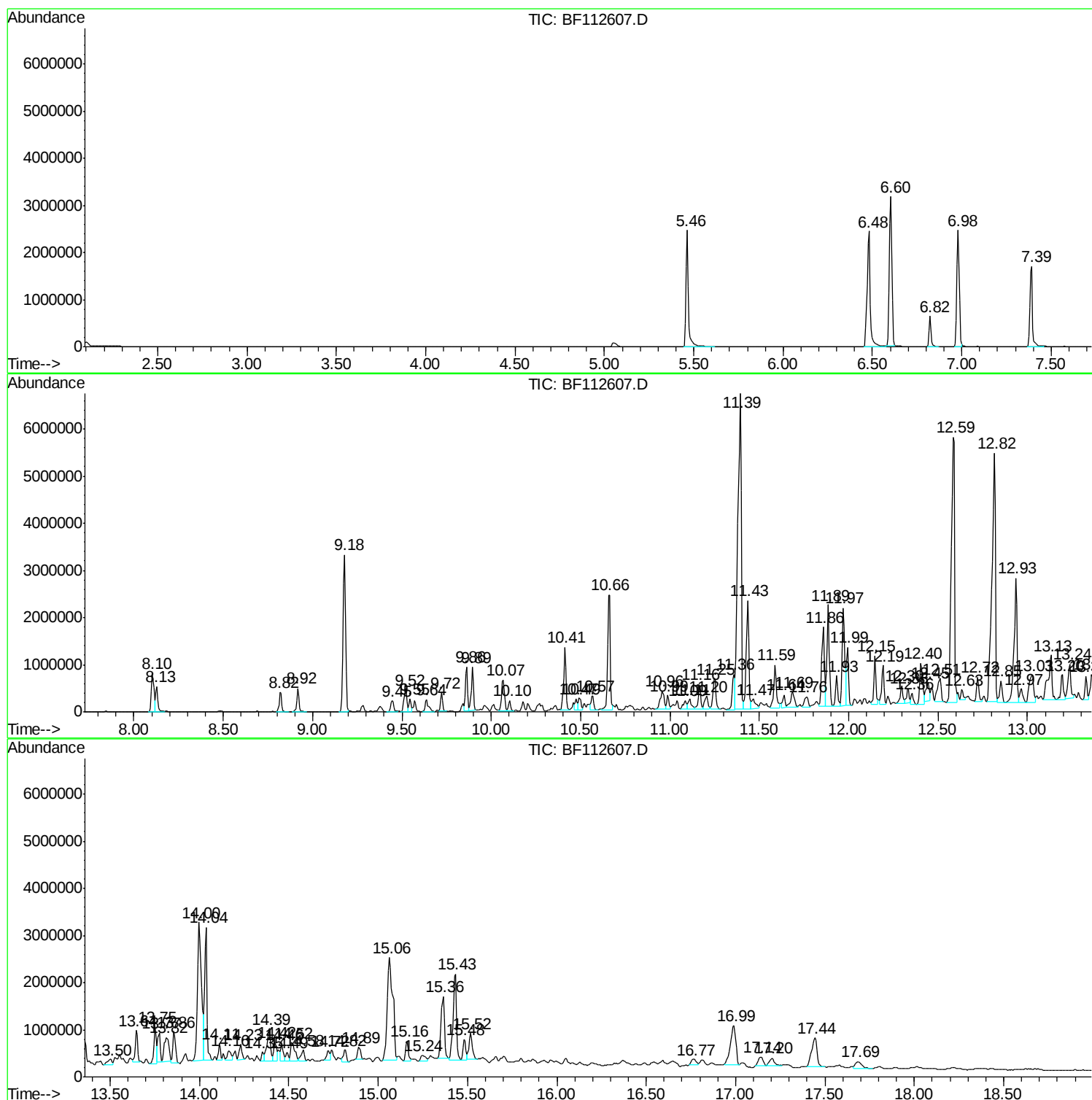
Sum of corrected areas: 111688708

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ClientSampleId :  
CABLE-BRIDGE-FOUNDATION-D-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.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\BF021819\  
Data File : BF112607.D  
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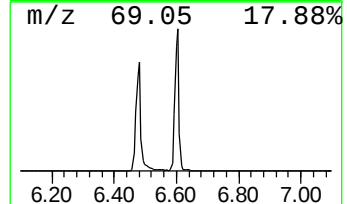
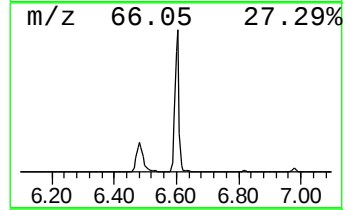
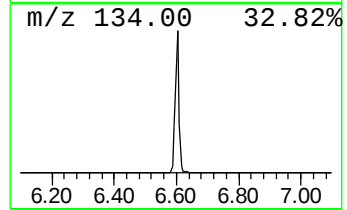
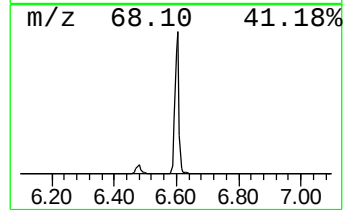
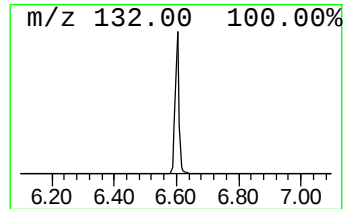
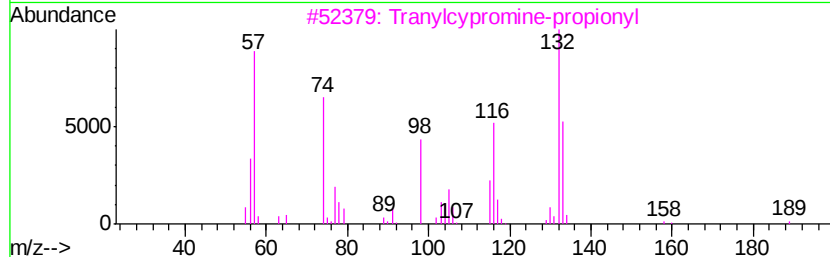
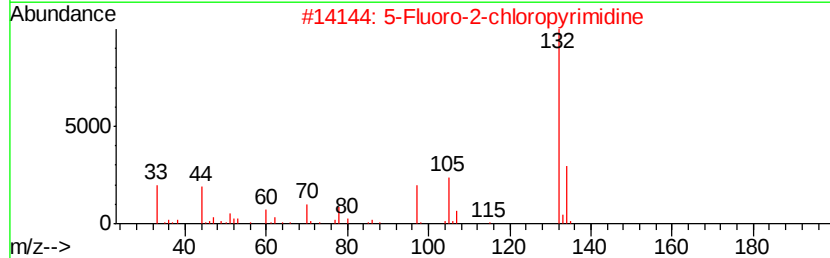
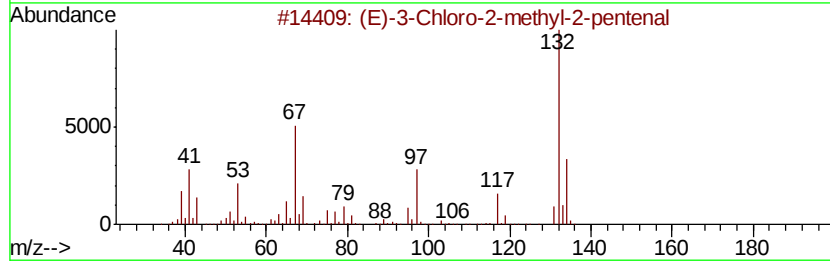
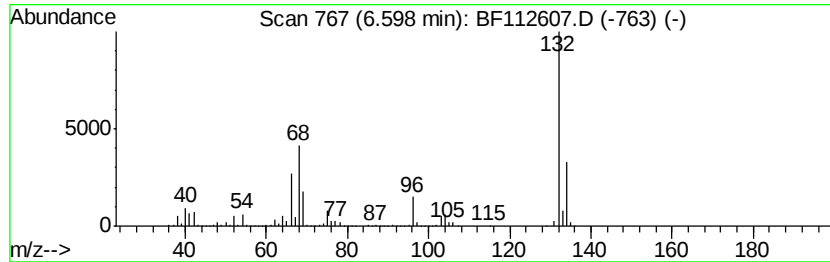
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 unknown6.60 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 6.60 | 105.00 ng | 2905970 | 1,4-Dichlorobenzene-d4 | 6.82 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 16   |
| 2    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 16   |
| 3    |    | Tranvlcyproline-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 5    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

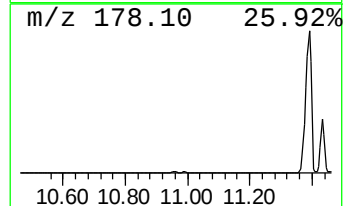
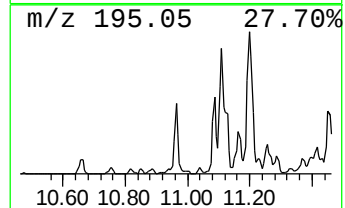
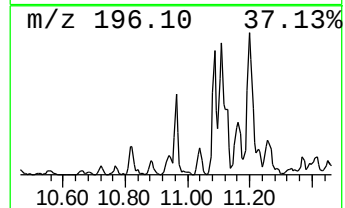
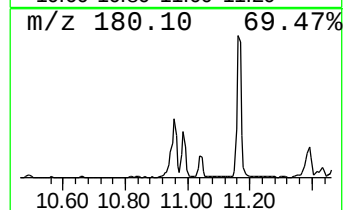
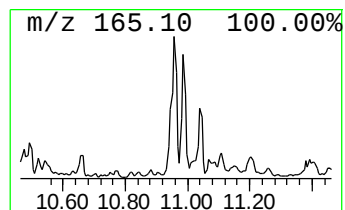
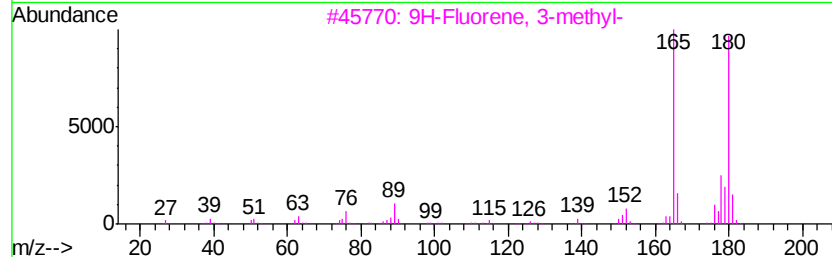
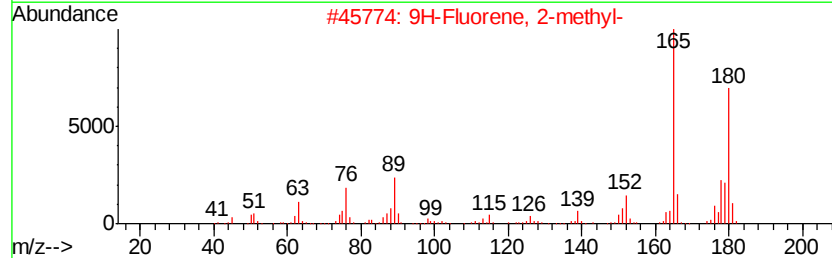
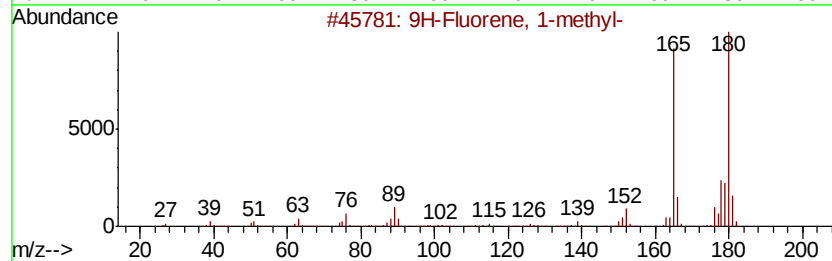
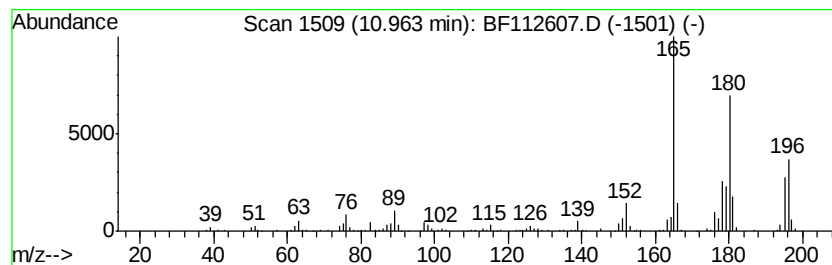
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 9H-Fluorene, 1-methyl- Concentration Rank 20

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 10.96 | 12.22 ng | 535607 | Phenanthrene-d10 | 11.36 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | 9H-Fluorene, 1-methyl-    | 180 | C14H12  | 001730-37-6 | 96   |
| 2    |    | 9H-Fluorene, 2-methyl-    | 180 | C14H12  | 001430-97-3 | 96   |
| 3    |    | 9H-Fluorene, 3-methyl-    | 180 | C14H12  | 002523-39-9 | 93   |
| 4    |    | 9H-Fluorene, 9-methyl-    | 180 | C14H12  | 002523-37-7 | 93   |
| 5    |    | 4a,9a-Methano-9H-fluorene | 180 | C14H12  | 019540-84-2 | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021819\  
Data File : BF112607.D  
Acq On : 18 Feb 2019 18:06  
Operator : JU/SJ  
Sample : K1518-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CABLE-BRIDGE-FOUNDATION-D-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

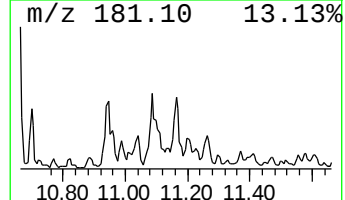
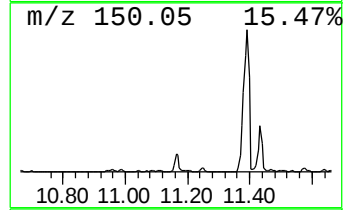
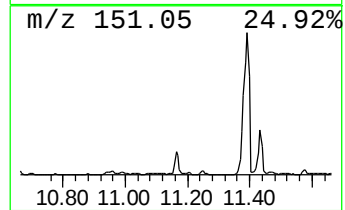
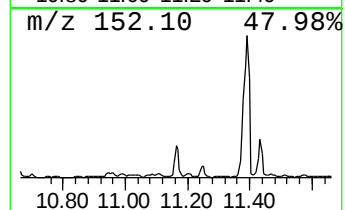
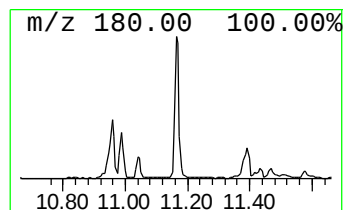
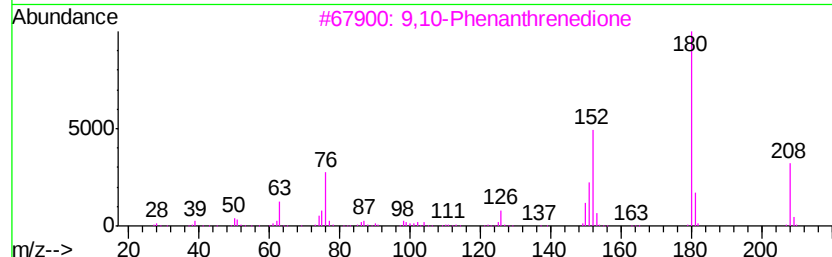
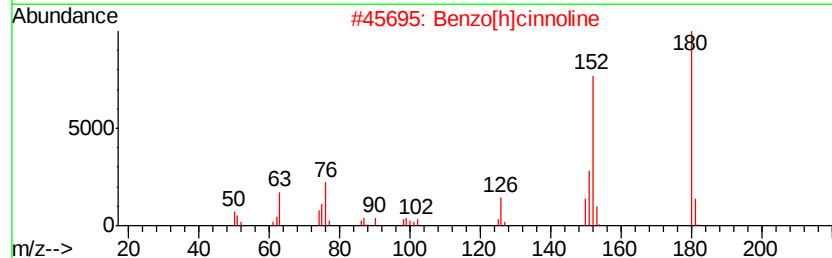
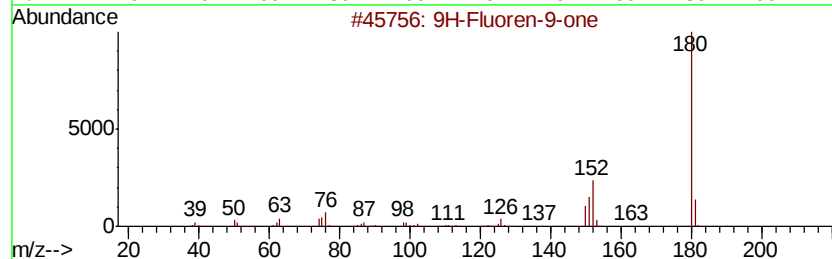
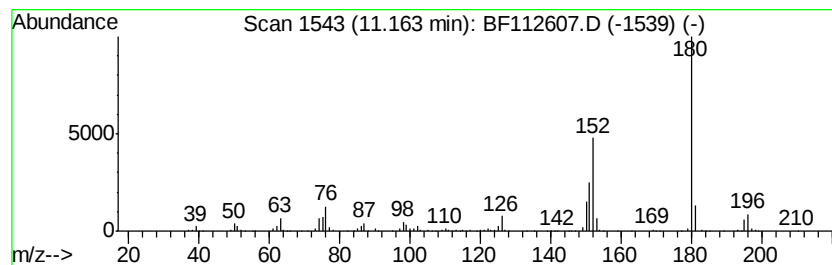
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 9H-Fluoren-9-one Concentration Rank 18

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 11.16 | 12.41 ng | 543775 | Phenanthrene-d10 | 11.36 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | 9H-Fluoren-9-one       | 180 | C13H8O  | 000486-25-9 | 96   |
| 2    |    | Benzo[h]cinnoline      | 180 | C12H8N2 | 000230-31-9 | 91   |
| 3    |    | 9,10-Phenanthrenedione | 208 | C14H8O2 | 000084-11-7 | 72   |
| 4    |    | 1H-Phenalen-1-one      | 180 | C13H8O  | 000548-39-0 | 72   |
| 5    |    | Benzo(f)quinoxaline    | 180 | C12H8N2 | 000230-33-1 | 43   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021819\  
Data File : BF112607.D  
Acq On : 18 Feb 2019 18:06  
Operator : JU/SJ  
Sample : K1518-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

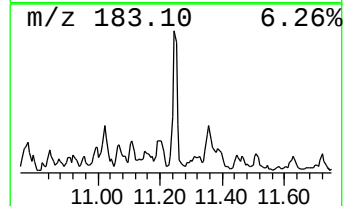
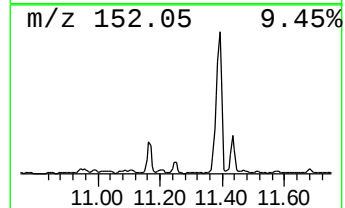
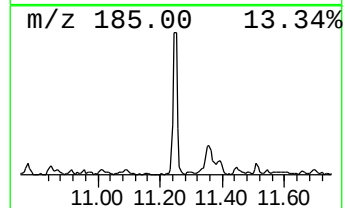
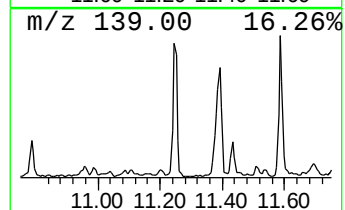
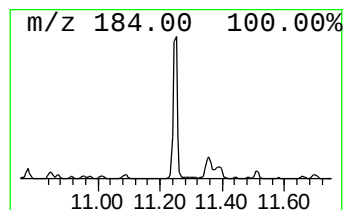
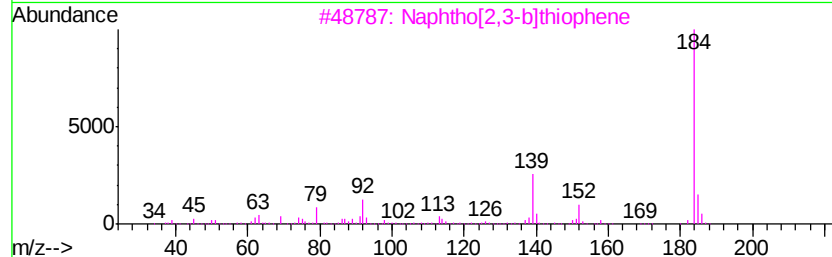
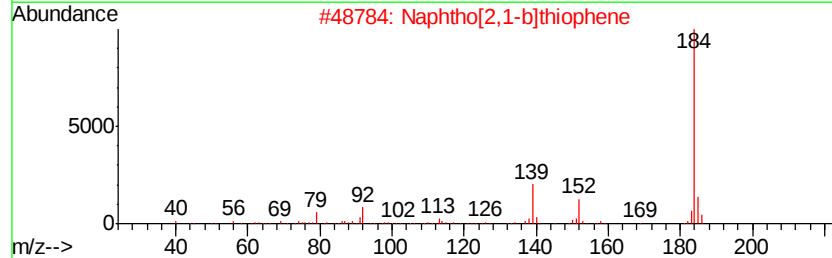
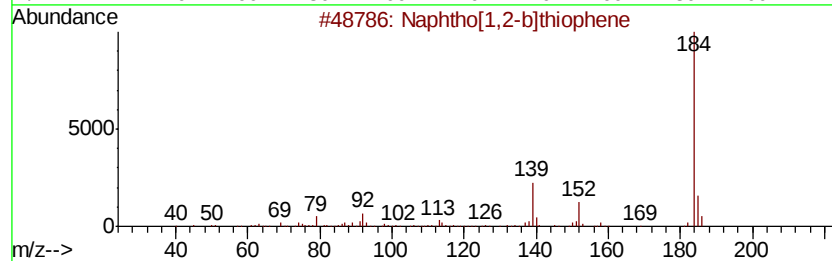
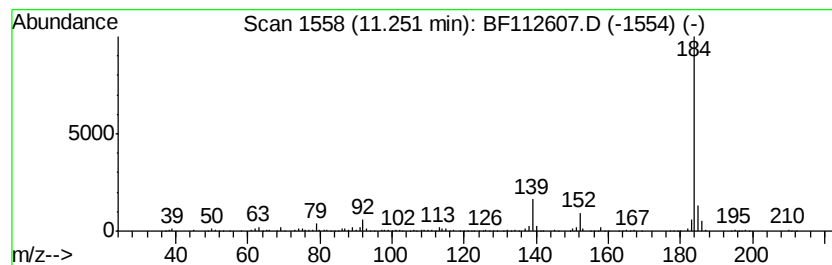
Instrument :  
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ClientSampleId :  
CABLE-BRIDGE-FOUNDATION-D-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.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 5 Naphtho[1,2-b]thiophene Concentration Rank 11

| R.T.      | EstConc                 | Area   | Relative to ISTD |             | R.T.  |
|-----------|-------------------------|--------|------------------|-------------|-------|
| 11.25     | 15.82 ng                | 693518 | Phenanthrene-d10 |             | 11.36 |
| Hit# of 5 | Tentative ID            | MW     | MolForm          | CAS#        | Qual  |
| 1         | Naphtho[1,2-b]thiophene | 184    | C12H8S           | 000234-41-3 | 97    |
| 2         | Naphtho[2,1-b]thiophene | 184    | C12H8S           | 000233-02-3 | 97    |
| 3         | Naphtho[2,3-b]thiophene | 184    | C12H8S           | 000268-77-9 | 97    |
| 4         | Dibenzothiophene        | 184    | C12H8S           | 000132-65-0 | 96    |
| 5         | Azuleno(2,1-b)thiophene | 184    | C12H8S           | 000248-13-5 | 90    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021819\  
Data File : BF112607.D  
Acq On : 18 Feb 2019 18:06  
Operator : JU/SJ  
Sample : K1518-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

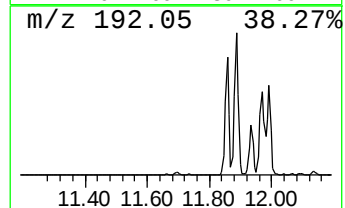
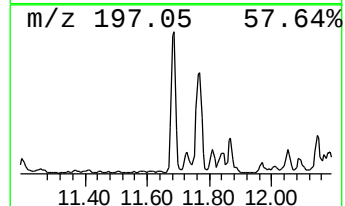
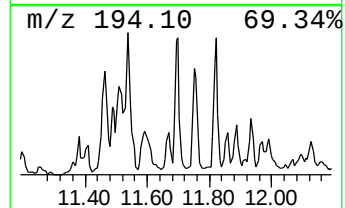
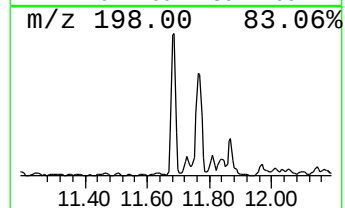
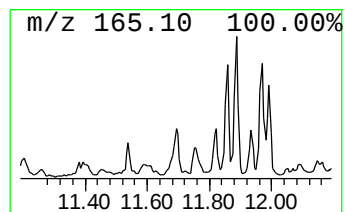
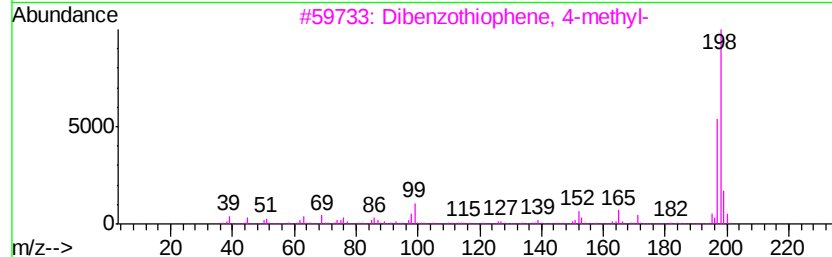
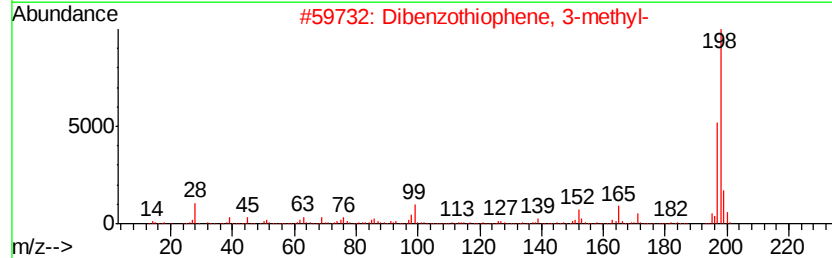
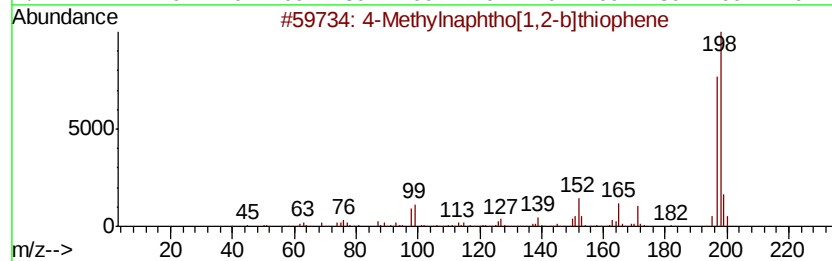
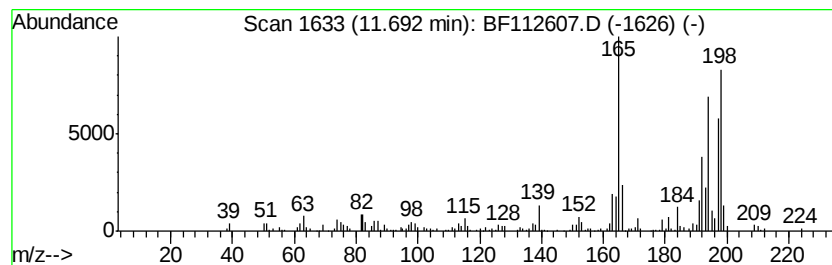
Instrument :  
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ClientSampleId :  
CABLE-BRIDGE-FOUNDATION-D-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 6 4-Methylnaphtho[1,2-b]thioph... Concentration Rank 19

| R.T.    | EstConc  | Area                                | Relative to ISTD | R.T.    |             |      |
|---------|----------|-------------------------------------|------------------|---------|-------------|------|
| 11.69   | 12.27 ng | 537982                              | Phenanthrene-d10 | 11.36   |             |      |
| Hit# of | 5        | Tentative ID                        | MW               | MolForm | CAS#        | Qual |
| 1       |          | 4-Methylnaphtho[1,2-b]thiophene     | 198              | C13H10S | 067388-11-8 | 95   |
| 2       |          | Dibenzothiophene, 3-methyl-         | 198              | C13H10S | 016587-52-3 | 81   |
| 3       |          | Dibenzothiophene, 4-methyl-         | 198              | C13H10S | 007372-88-5 | 74   |
| 4       |          | 1-Methyldibenzothiophene            | 198              | C13H10S | 031317-07-4 | 74   |
| 5       |          | Benzene, 1,1'-(1-fluoro-1,2-ethe... | 198              | C14H11F | 000671-19-2 | 59   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021819\  
Data File : BF112607.D  
Acq On : 18 Feb 2019 18:06  
Operator : JU/SJ  
Sample : K1518-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CABLE-BRIDGE-FOUNDATION-D-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

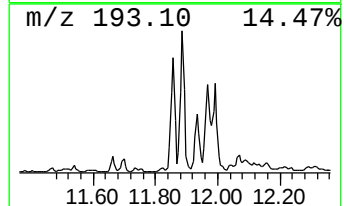
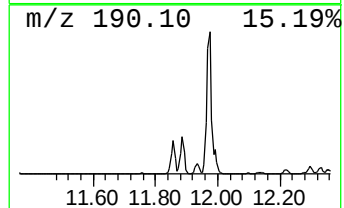
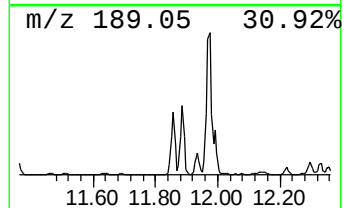
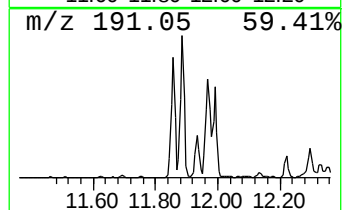
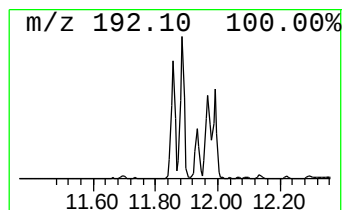
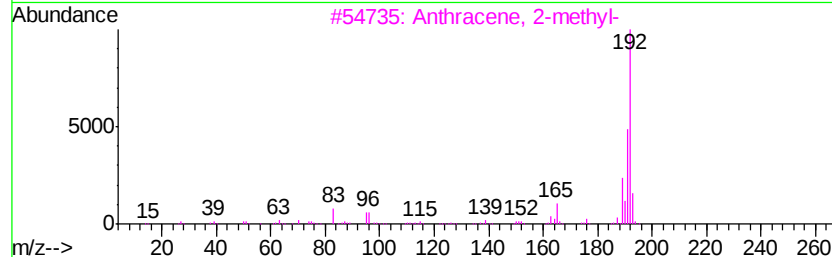
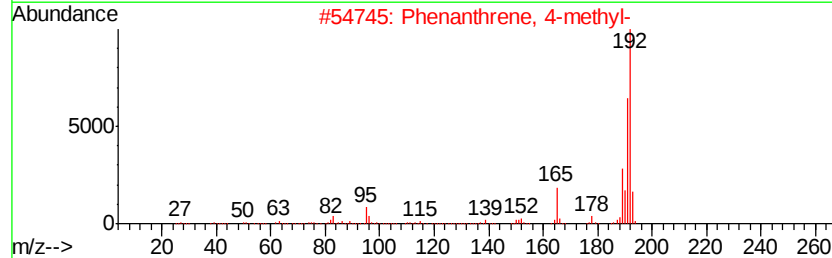
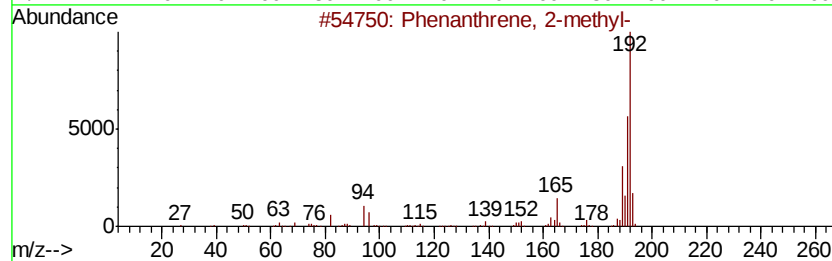
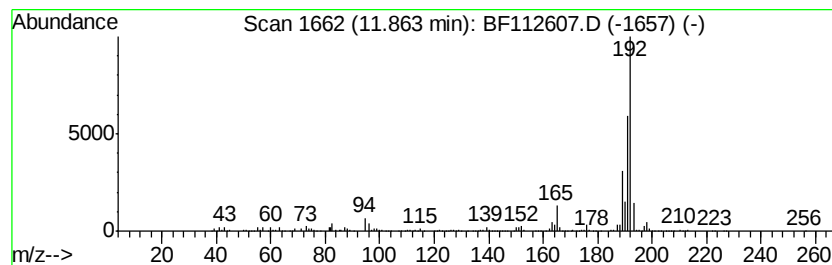
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 6

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.86 | 35.99 ng | 1577700 | Phenanthrene-d10 | 11.36 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 98   |
| 2    |    | Phenanthrene, 4-methyl- | 192 | C15H12  | 000832-64-4 | 95   |
| 3    |    | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 94   |
| 4    |    | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 93   |
| 5    |    | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021819\  
Data File : BF112607.D  
Acq On : 18 Feb 2019 18:06  
Operator : JU/SJ  
Sample : K1518-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CABLE-BRIDGE-FOUNDATION-D-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

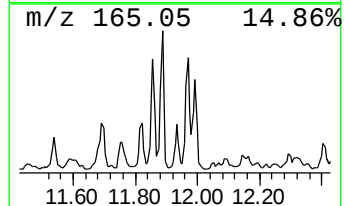
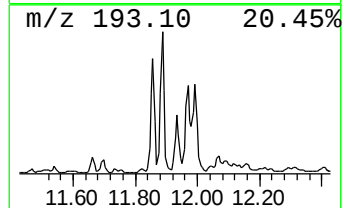
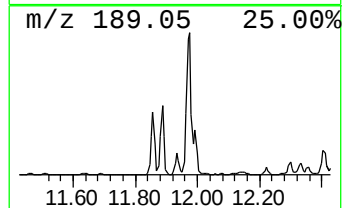
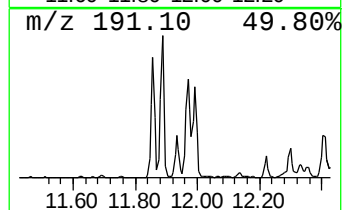
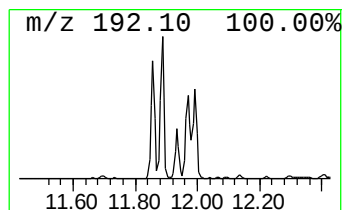
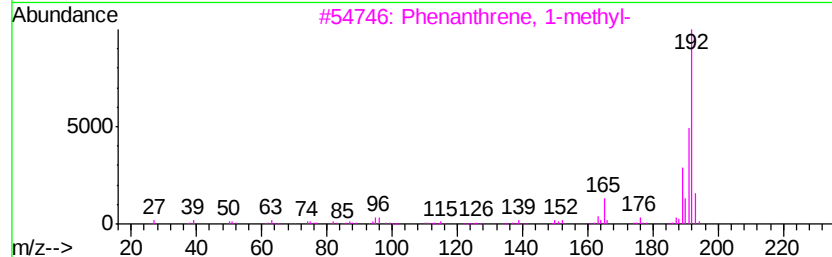
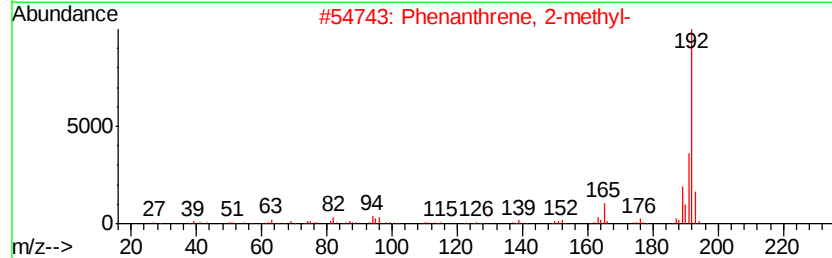
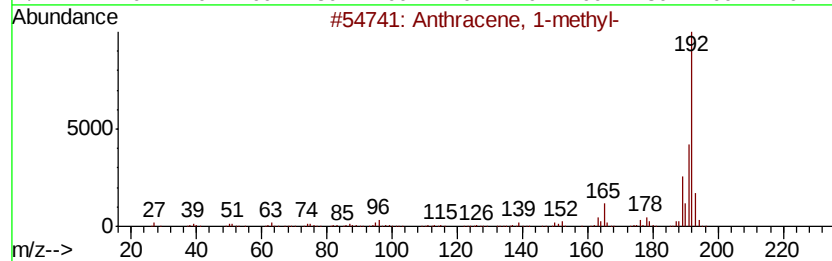
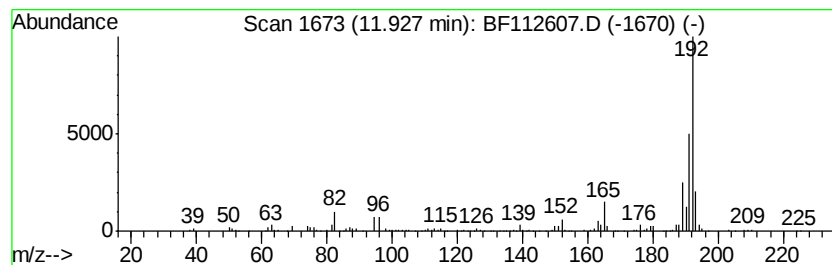
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Anthracene, 1-methyl- Concentration Rank 16

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 11.93 | 13.71 ng | 600984 | Phenanthrene-d10 | 11.36 |

| Hit# | of | Tentative ID                           | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Anthracene, 1-methyl-                  | 192 | C15H12  | 000610-48-0 | 96   |
| 2    |    | Phenanthrene, 2-methyl-                | 192 | C15H12  | 002531-84-2 | 96   |
| 3    |    | Phenanthrene, 1-methyl-                | 192 | C15H12  | 000832-69-9 | 96   |
| 4    |    | 1H-Cyclopropa[1,1]phenanthrene, 1a,... | 192 | C15H12  | 000949-41-7 | 96   |
| 5    |    | Anthracene, 2-methyl-                  | 192 | C15H12  | 000613-12-7 | 96   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021819\  
Data File : BF112607.D  
Acq On : 18 Feb 2019 18:06  
Operator : JU/SJ  
Sample : K1518-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

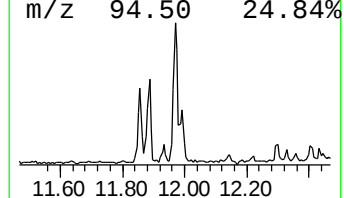
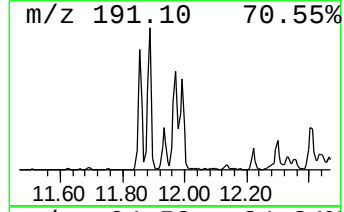
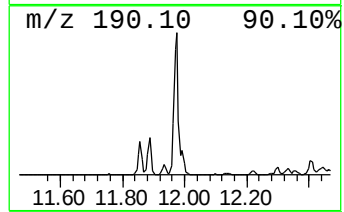
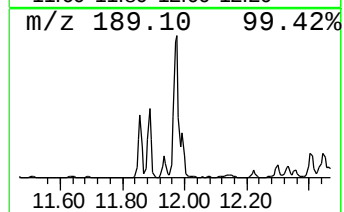
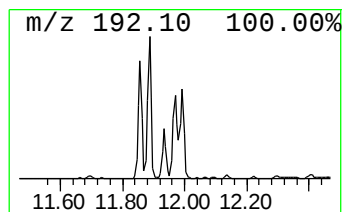
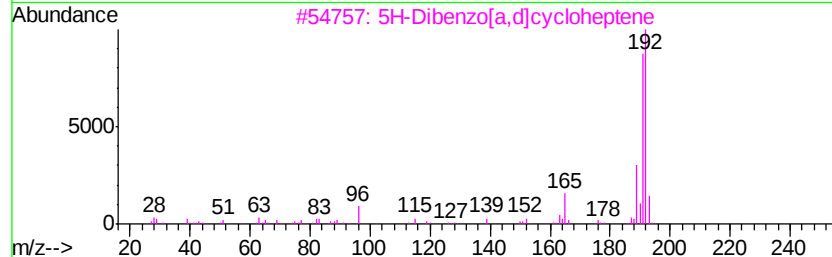
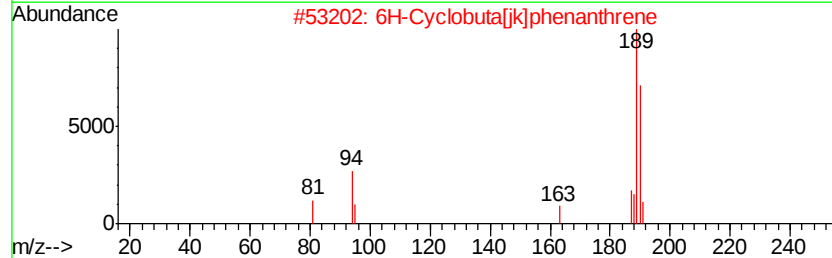
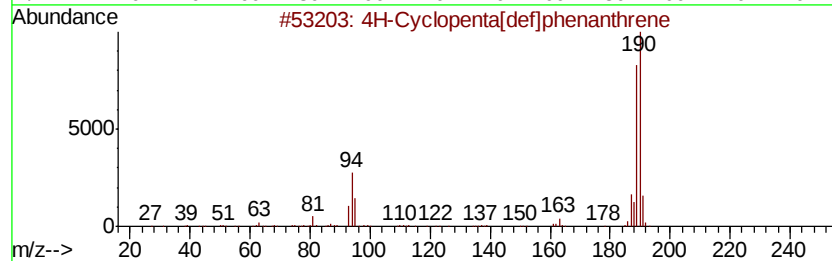
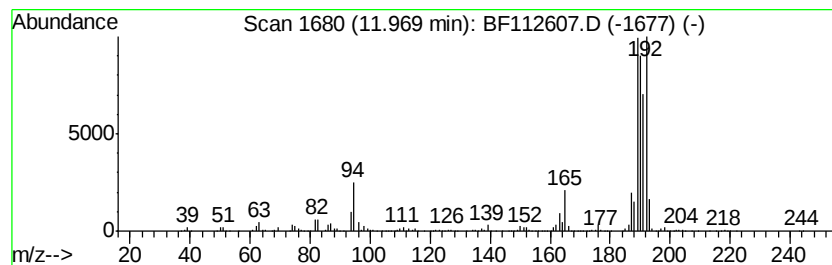
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ClientSampleId :  
CABLE-BRIDGE-FOUNDATION-D-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.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 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

| R.T.      | EstConc                        | Area    | Relative to ISTD |             | R.T.  |
|-----------|--------------------------------|---------|------------------|-------------|-------|
| 11.97     | 55.94 ng                       | 2452090 | Phenanthrene-d10 |             | 11.36 |
| Hit# of 5 | Tentative ID                   | MW      | MolForm          | CAS#        | Qual  |
| 1         | 4H-Cyclopenta[def]phenanthrene | 190     | C15H10           | 000203-64-5 | 60    |
| 2         | 6H-Cyclobuta[i]kphenanthrene   | 190     | C15H10           | 083469-43-6 | 49    |
| 3         | 5H-Dibenzo[a,d]cycloheptene    | 192     | C15H12           | 000256-81-5 | 46    |
| 4         | Naphtho[2,3-b]norbornadiene    | 192     | C15H12           | 107426-38-0 | 46    |
| 5         | Phenanthrene, 1-methyl-        | 192     | C15H12           | 000832-69-9 | 46    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021819\  
Data File : BF112607.D  
Acq On : 18 Feb 2019 18:06  
Operator : JU/SJ  
Sample : K1518-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CABLE-BRIDGE-FOUNDATION-D-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

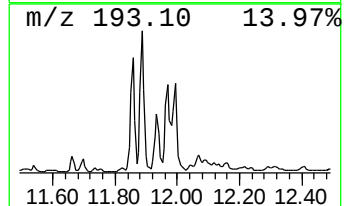
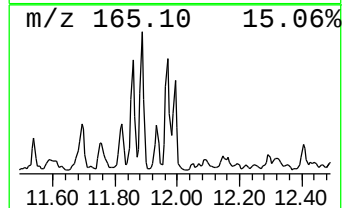
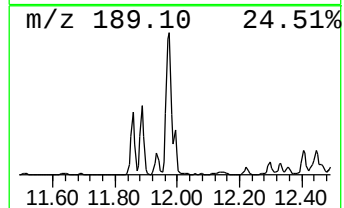
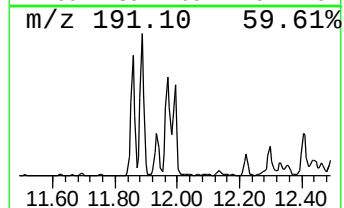
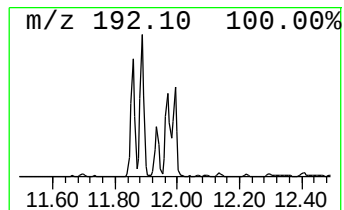
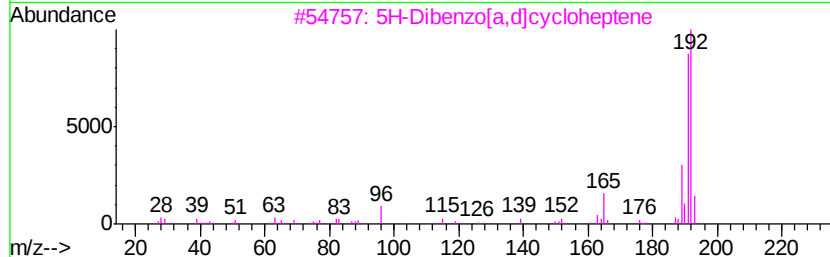
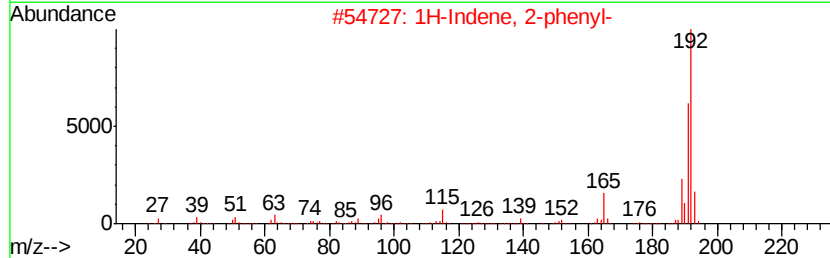
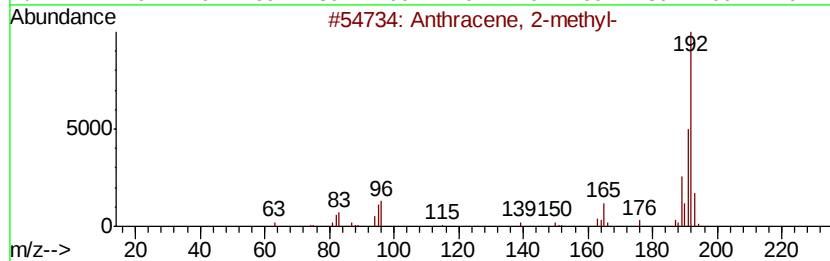
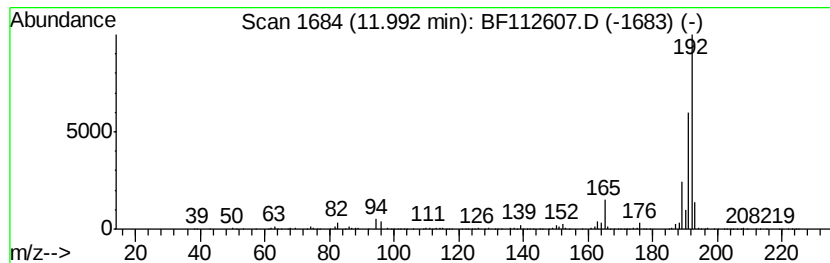
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 12

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 11.99 | 15.27 ng | 669517 | Phenanthrene-d10 | 11.36 |

| Hit# | of | Tentative ID                           | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Anthracene, 2-methyl-                  | 192 | C15H12  | 000613-12-7 | 91   |
| 2    |    | 1H-Indene, 2-phenyl-                   | 192 | C15H12  | 004505-48-0 | 91   |
| 3    |    | 5H-Dibenzo[a,d]cycloheptene            | 192 | C15H12  | 000256-81-5 | 90   |
| 4    |    | 1H-Cyclopropa[1,1]phenanthrene, 1a,... | 192 | C15H12  | 000949-41-7 | 90   |
| 5    |    | Phenanthrene, 1-methyl-                | 192 | C15H12  | 000832-69-9 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021819\  
Data File : BF112607.D  
Acq On : 18 Feb 2019 18:06  
Operator : JU/SJ  
Sample : K1518-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CABLE-BRIDGE-FOUNDATION-D-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

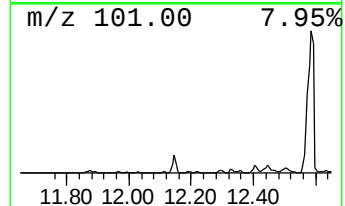
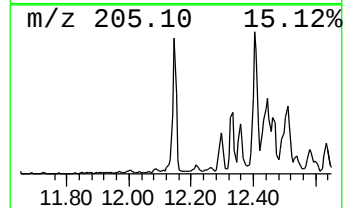
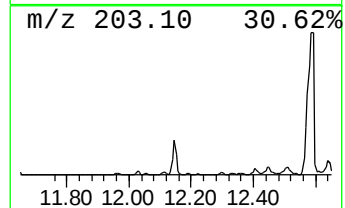
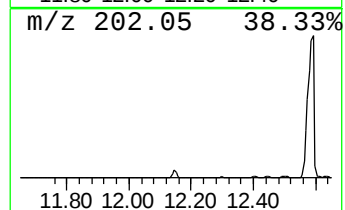
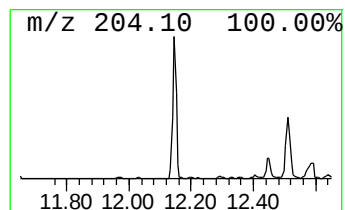
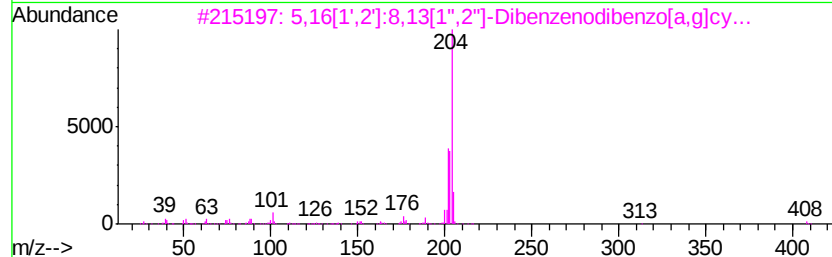
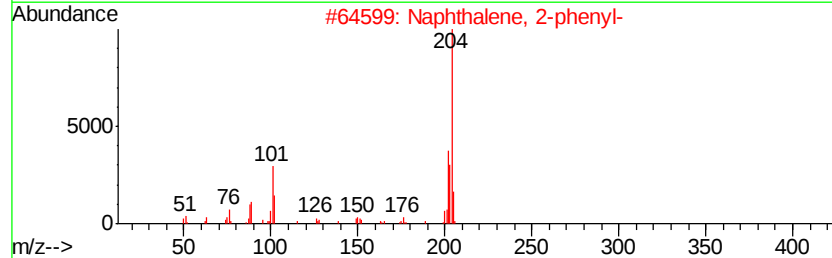
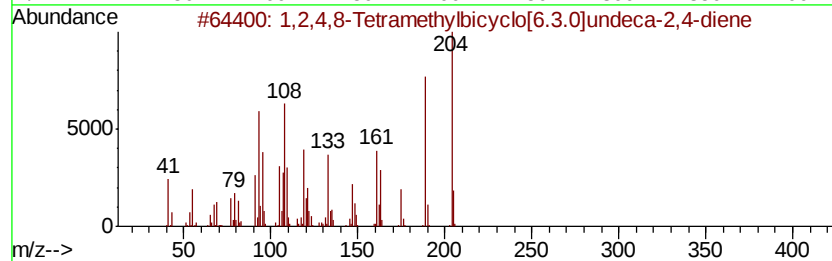
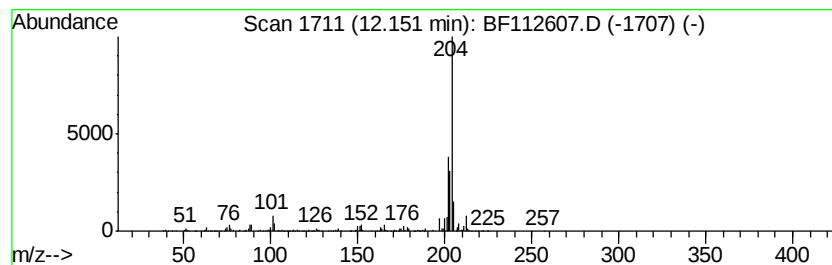
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 1,2,4,8-Tetramethylbicyclo[...] Concentration Rank 8

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 12.15 | 20.10 ng | 880981 | Phenanthrene-d10 | 11.36 |

| Hit# | of | Tentative ID                                          | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | 1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene     | 204 | C15H24    | 137235-51-9 | 90   |
| 2    |    | Naphthalene, 2-phenyl-                                | 204 | C16H12    | 000612-94-2 | 89   |
| 3    |    | 5,16[1',2']-8,13[1',2']-Dibenzo[1,2-b:4,5-b']diphenyl | 408 | C32H24    | 005672-97-9 | 86   |
| 4    |    | Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8-tetraene       | 204 | C16H12    | 006572-60-7 | 72   |
| 5    |    | 9,10-Bis(bromomethyl)anthracene                       | 362 | C16H12Br2 | 034373-96-1 | 58   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021819\  
Data File : BF112607.D  
Acq On : 18 Feb 2019 18:06  
Operator : JU/SJ  
Sample : K1518-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CABLE-BRIDGE-FOUNDATION-D-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

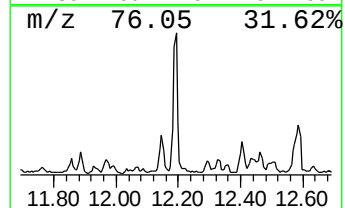
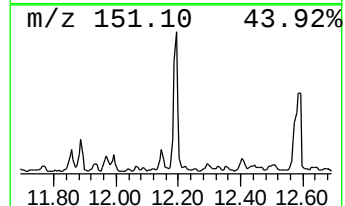
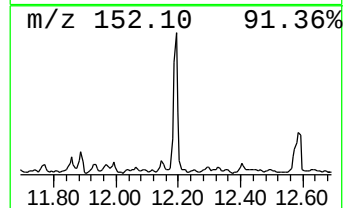
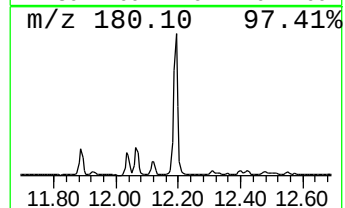
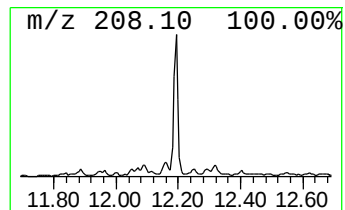
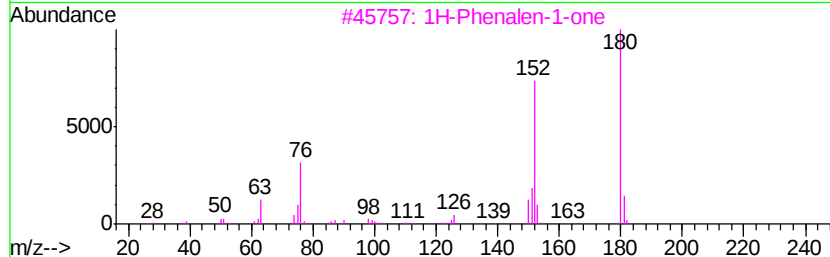
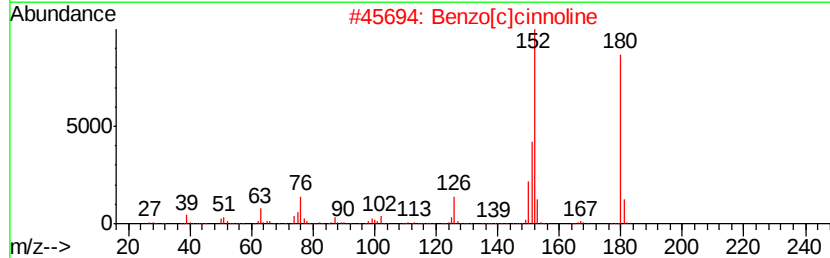
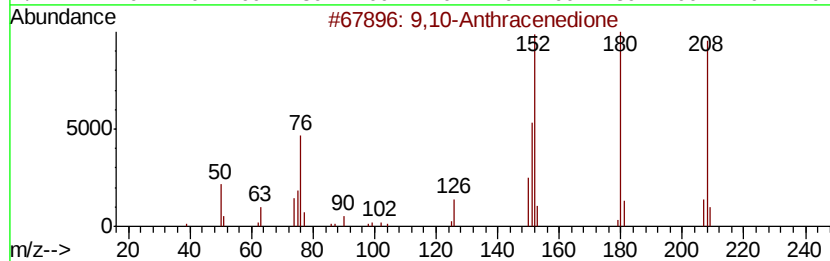
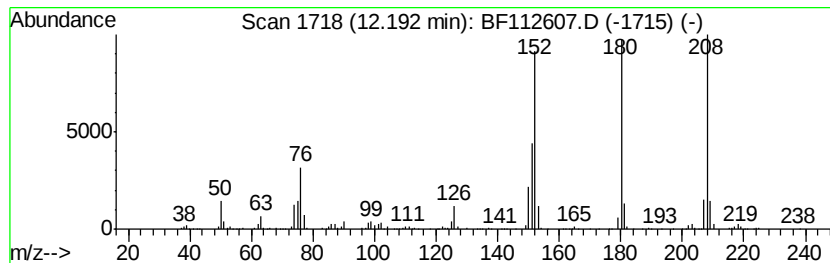
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 9,10-Anthracenedione Concentration Rank 9

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 12.19 | 17.71 ng | 776127 | Phenanthrene-d10 | 11.36 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------|-----|---------|-------------|------|
| 1    | 5  | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 99   |
| 2    |    | Benzo[c]cinnoline    | 180 | C12H8N2 | 000230-17-1 | 96   |
| 3    |    | 1H-Phenalen-1-one    | 180 | C13H8O  | 000548-39-0 | 83   |
| 4    |    | 9H-Fluoren-9-one     | 180 | C13H8O  | 000486-25-9 | 70   |
| 5    |    | 1,4-Anthracenedione  | 208 | C14H8O2 | 000635-12-1 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021819\  
Data File : BF112607.D  
Acq On : 18 Feb 2019 18:06  
Operator : JU/SJ  
Sample : K1518-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CABLE-BRIDGE-FOUNDATION-D-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

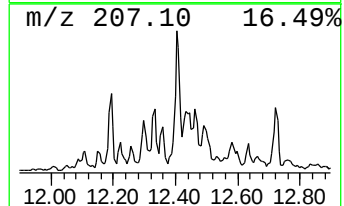
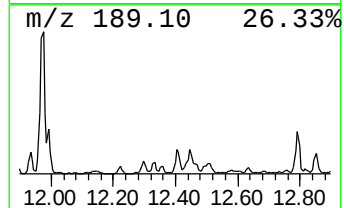
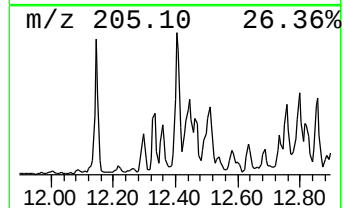
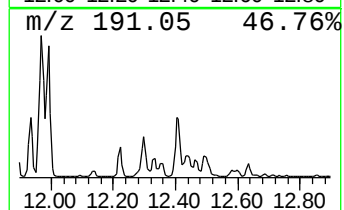
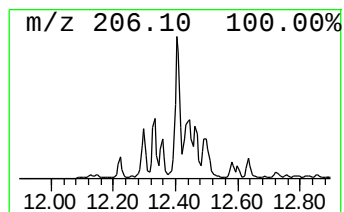
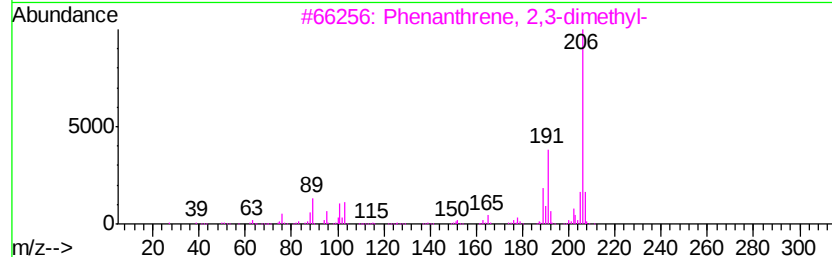
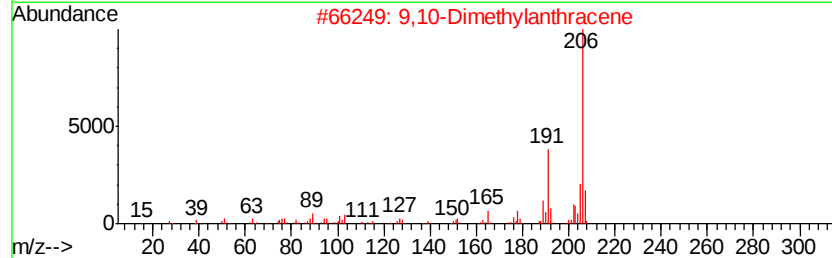
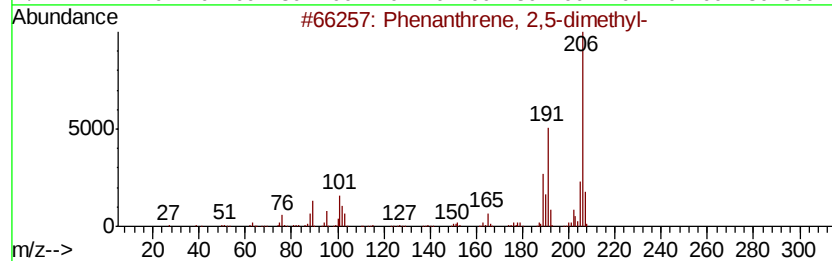
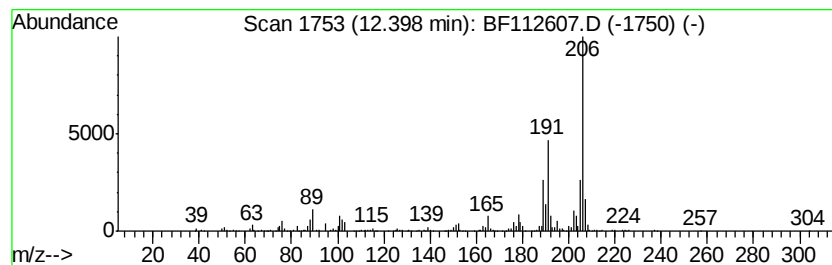
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 12.40 | 21.97 ng | 962926 | Phenanthrene-d10 | 11.36 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Phenanthrene, 2,5-dimethyl- | 206 | C16H14  | 003674-66-6 | 97   |
| 2    |    | 9,10-Dimethylantracene      | 206 | C16H14  | 000781-43-1 | 91   |
| 3    |    | Phenanthrene, 2,3-dimethyl- | 206 | C16H14  | 003674-65-5 | 91   |
| 4    |    | Phenanthrene, 3,6-dimethyl- | 206 | C16H14  | 001576-67-6 | 90   |
| 5    |    | Phenanthrene, 2,7-dimethyl- | 206 | C16H14  | 001576-69-8 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021819\  
Data File : BF112607.D  
Acq On : 18 Feb 2019 18:06  
Operator : JU/SJ  
Sample : K1518-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CABLE-BRIDGE-FOUNDATION-D-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

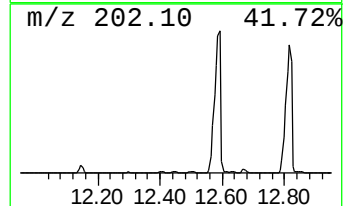
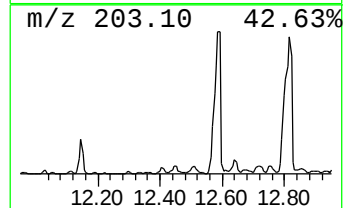
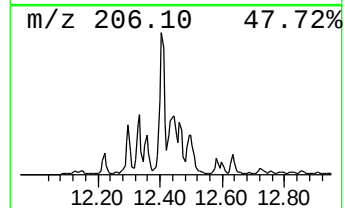
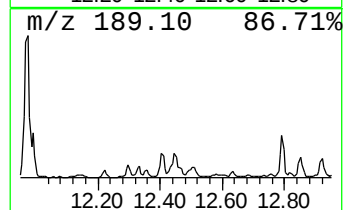
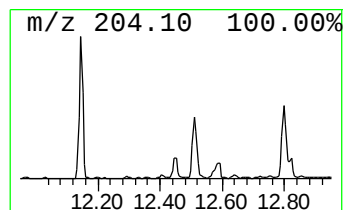
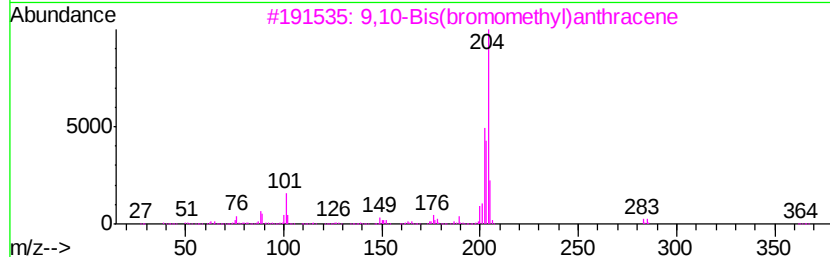
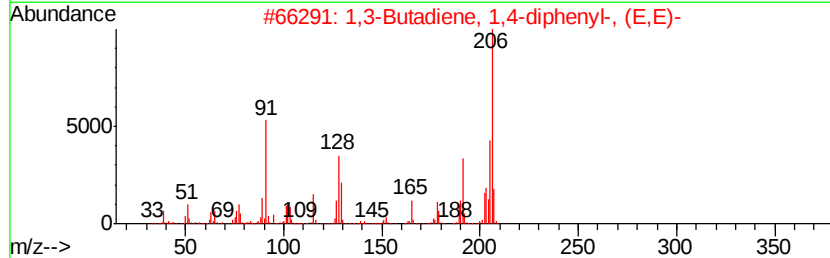
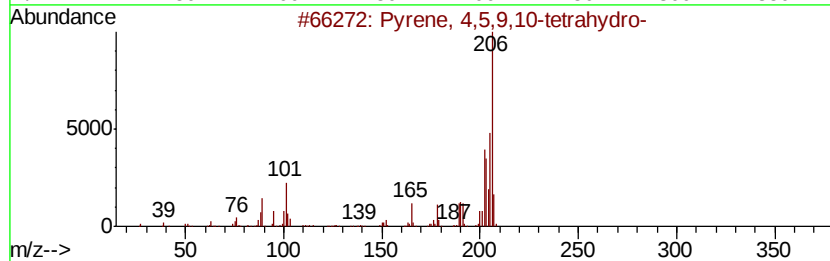
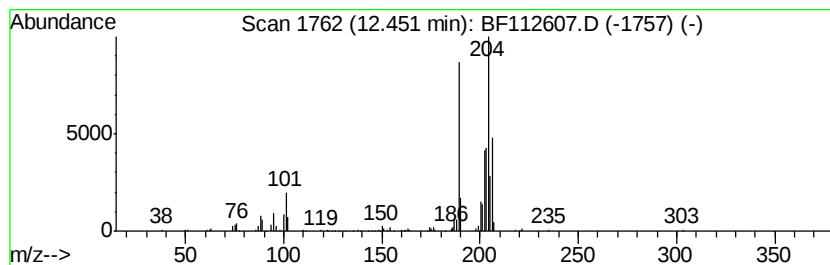
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 15 unknown12.45 Concentration Rank 17

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 12.45 | 12.85 ng | 563321 | Phenanthrene-d10 | 11.36 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Pyrene, 4,5,9,10-tetrahydro-        | 206 | C16H14    | 000781-17-9  | 42   |
| 2    |    | 1,3-Butadiene, 1,4-diphenyl-, (E... | 206 | C16H14    | 000538-81-8  | 30   |
| 3    |    | 9,10-Bis(bromomethyl)anthracene     | 362 | C16H12Br2 | 034373-96-1  | 30   |
| 4    |    | 2-Isopropenyl-4a,8-dimethyl-1,2,... | 204 | C15H24    | 1000193-57-0 | 27   |
| 5    |    | Acephenanthrylene, 4,5-dihydro-     | 204 | C16H12    | 006232-48-0  | 25   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021819\  
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Acq On : 18 Feb 2019 18:06  
Operator : JU/SJ  
Sample : K1518-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CABLE-BRIDGE-FOUNDATION-D-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

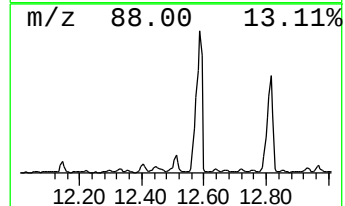
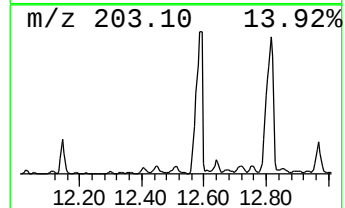
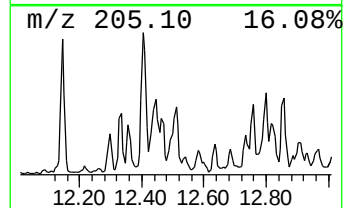
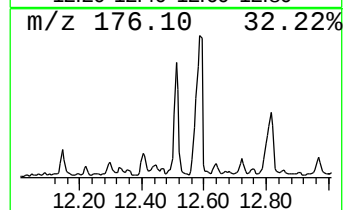
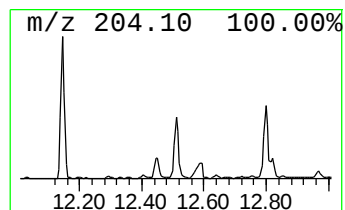
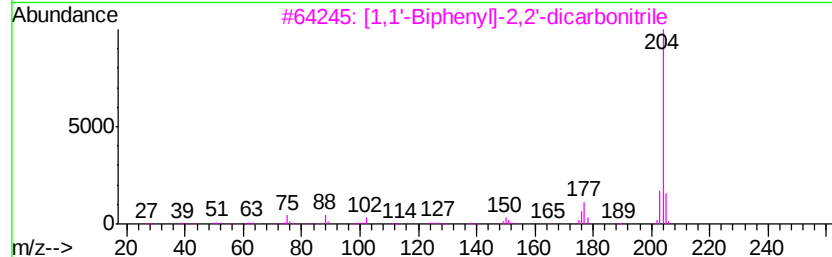
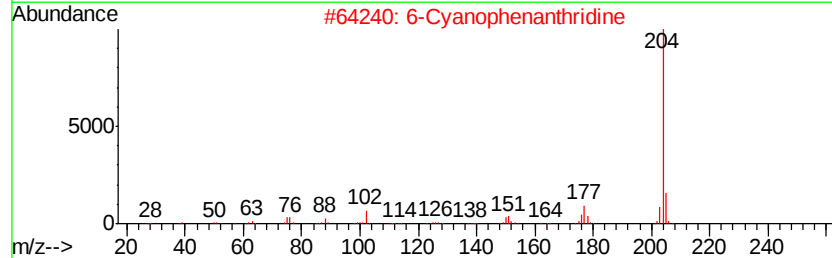
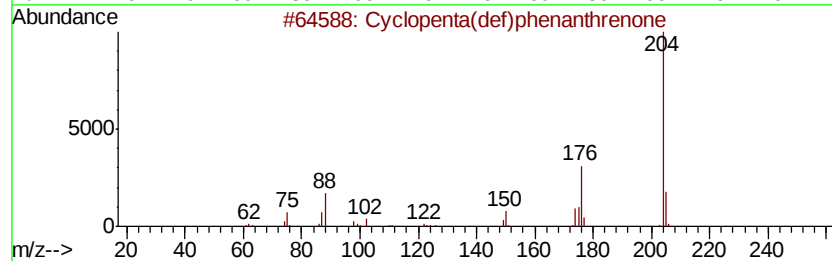
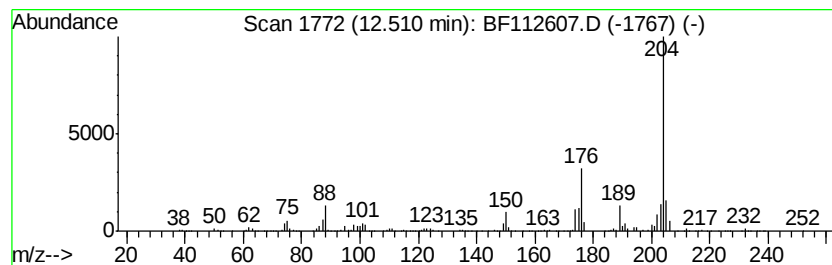
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 13

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 12.51 | 15.12 ng | 662808 | Phenanthrene-d10 | 11.36 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Cyclopenta(def)phenanthrenone       | 204 | C15H8O    | 005737-13-3  | 96   |
| 2    |    | 6-Cyanophenanthridine               | 204 | C14H8N2   | 002176-28-5  | 58   |
| 3    |    | [1,1'-Biphenyl]-2,2'-dicarbonitrile | 204 | C14H8N2   | 004341-02-0  | 52   |
| 4    |    | 9-Acridinecarbonitrile              | 204 | C14H8N2   | 005326-19-2  | 50   |
| 5    |    | 4-Quinolinol, 5,8-dimethoxy-2-me... | 219 | C12H13NO3 | 1000337-90-3 | 50   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021819\  
Data File : BF112607.D  
Acq On : 18 Feb 2019 18:06  
Operator : JU/SJ  
Sample : K1518-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CABLE-BRIDGE-FOUNDATION-D-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

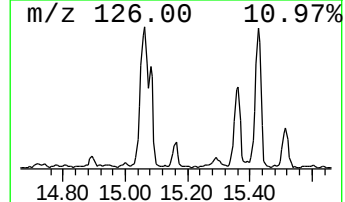
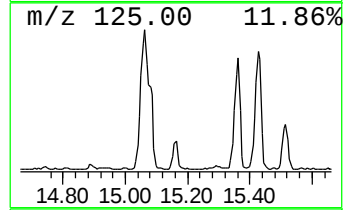
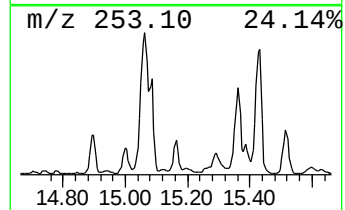
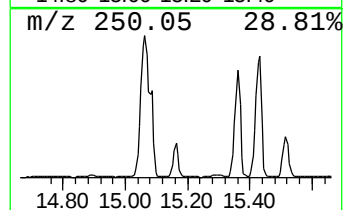
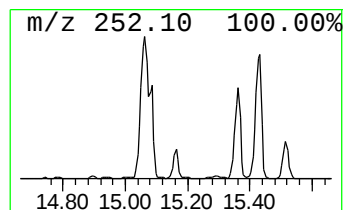
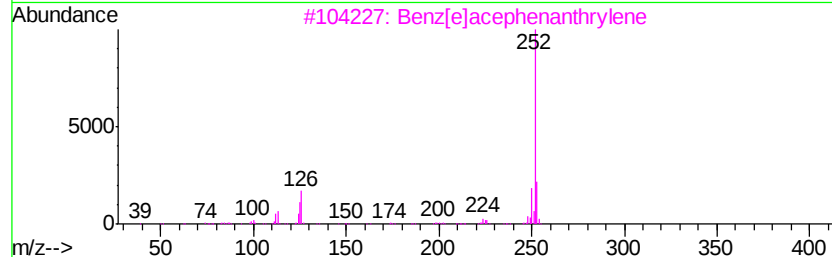
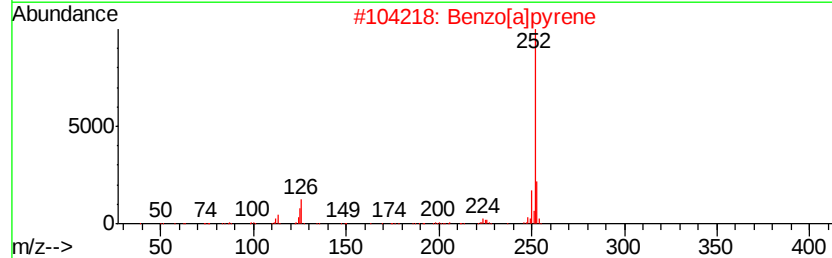
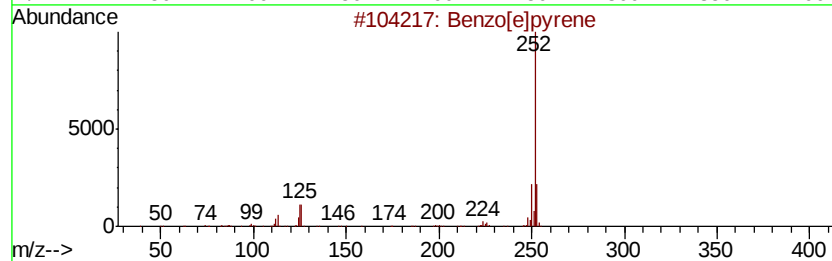
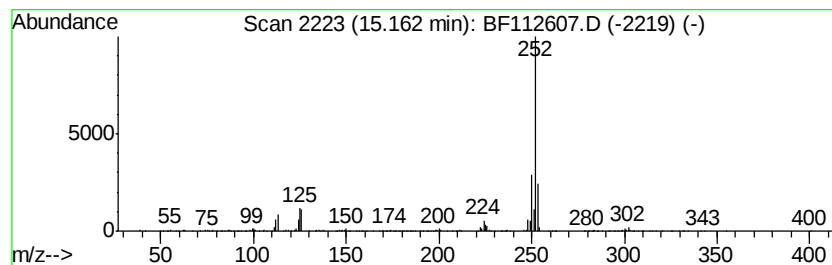
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 Benzo[e]pyrene Concentration Rank 10

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 15.16 | 17.38 ng | 455448 | Perylene-d12     | 15.49 |

| 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 | 93   |
| 3    |    |   | Benzo[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 90   |
| 4    |    |   | Benzo[k]fluoranthene      | 252 | C20H12  | 000207-08-9 | 89   |
| 5    |    |   | Perylene                  | 252 | C20H12  | 000198-55-0 | 81   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021819\  
Data File : BF112607.D  
Acq On : 18 Feb 2019 18:06  
Operator : JU/SJ  
Sample : K1518-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CABLE-BRIDGE-FOUNDATION-D-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

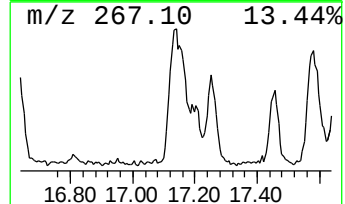
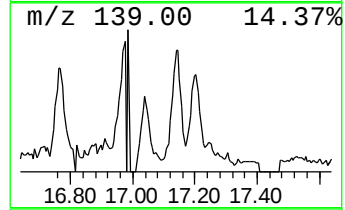
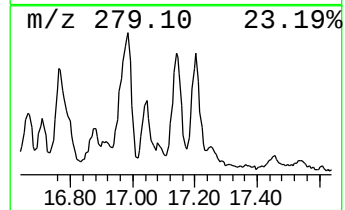
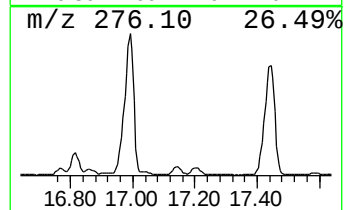
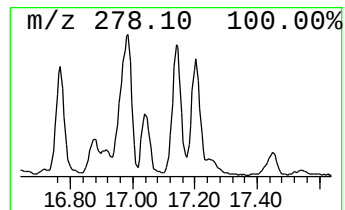
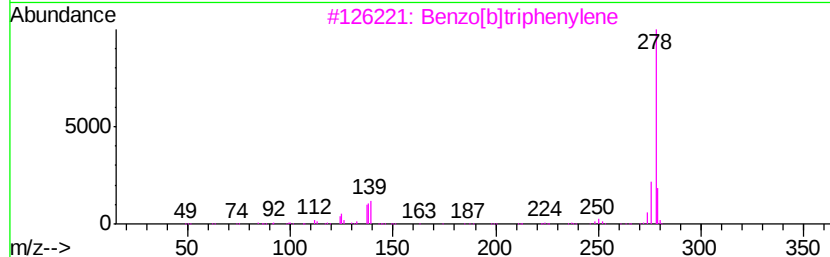
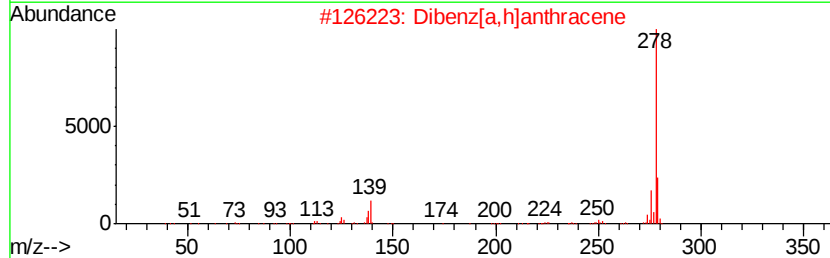
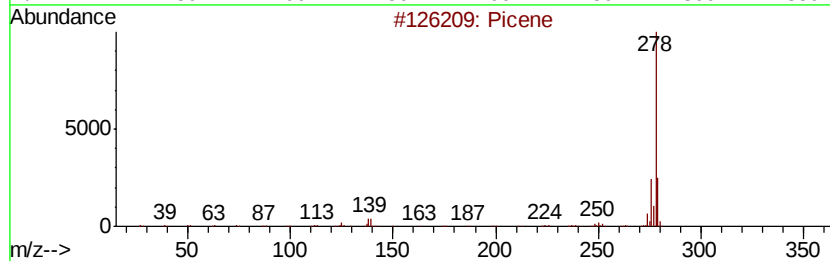
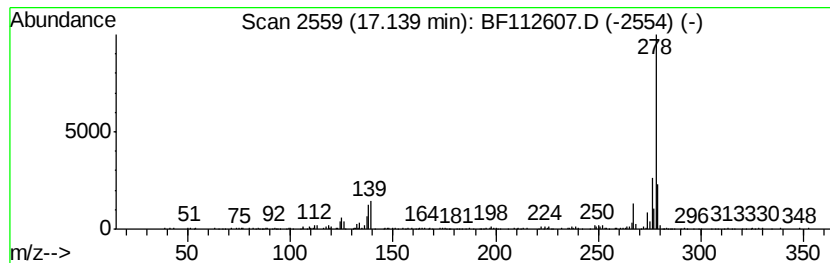
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 Picene Concentration Rank 15

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 17.14 | 13.88 ng | 363744 | Perylene-d12     | 15.49 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Picene                | 278 | C22H14  | 000213-46-7 | 98   |
| 2    |    | Dibenz[a,h]anthracene | 278 | C22H14  | 000053-70-3 | 93   |
| 3    |    | Benzo[b]triphenylene  | 278 | C22H14  | 000215-58-7 | 92   |
| 4    |    | Benzo[b]chrysene      | 278 | C22H14  | 000214-17-5 | 86   |
| 5    |    | Benzo[a]naphthacene   | 278 | C22H14  | 000226-88-0 | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF021819\  
 Data File : BF112607.D  
 Acq On : 18 Feb 2019 18:06  
 Operator : JU/SJ  
 Sample : K1518-05  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CABLE-BRIDGE-FOUNDATION-D-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF012519.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 |
| unknown6.60          | 6.60  | 105.0   | ng    | 2905970  | 1                     | 6.82  | 553511 | 20.0 |
| 9H-Fluorene, 1-me... | 10.96 | 12.2    | ng    | 535607   | 4                     | 11.36 | 876677 | 20.0 |
| 9H-Fluoren-9-one     | 11.16 | 12.4    | ng    | 543775   | 4                     | 11.36 | 876677 | 20.0 |
| Naphtho[1,2-b]thi... | 11.25 | 15.8    | ng    | 693518   | 4                     | 11.36 | 876677 | 20.0 |
| 4-Methylnaphtho[1... | 11.69 | 12.3    | ng    | 537982   | 4                     | 11.36 | 876677 | 20.0 |
| Phenanthrene, 2-m... | 11.86 | 36.0    | ng    | 1577700  | 4                     | 11.36 | 876677 | 20.0 |
| Anthracene, 1-met... | 11.93 | 13.7    | ng    | 600984   | 4                     | 11.36 | 876677 | 20.0 |
| 4H-Cyclopenta[def... | 11.97 | 55.9    | ng    | 2452090  | 4                     | 11.36 | 876677 | 20.0 |
| Anthracene, 2-met... | 11.99 | 15.3    | ng    | 669517   | 4                     | 11.36 | 876677 | 20.0 |
| 1,2,4,8-Tetrameth... | 12.15 | 20.1    | ng    | 880981   | 4                     | 11.36 | 876677 | 20.0 |
| 9,10-Anthracenedione | 12.19 | 17.7    | ng    | 776127   | 4                     | 11.36 | 876677 | 20.0 |
| Phenanthrene, 2,5... | 12.40 | 22.0    | ng    | 962926   | 4                     | 11.36 | 876677 | 20.0 |
| unknown12.45         | 12.45 | 12.9    | ng    | 563321   | 4                     | 11.36 | 876677 | 20.0 |
| Cyclopenta(def)ph... | 12.51 | 15.1    | ng    | 662808   | 4                     | 11.36 | 876677 | 20.0 |
| Benzo[e]pyrene       | 15.16 | 17.4    | ng    | 455448   | 6                     | 15.49 | 524087 | 20.0 |
| Picene               | 17.14 | 13.9    | ng    | 363744   | 6                     | 15.49 | 524087 | 20.0 |