

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF102518\  
 Data File : BF110175.D  
 Acq On : 25 Oct 2018 22:02  
 Operator : JU/SJ  
 Sample : J5625-09  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DW-05

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-BF102318.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         | 2.322       | 35            | 40          | 54           | rVB      | 441808         | 608902        | 13.37%          | 0.766%        |
| 2         | 5.210       | 527           | 531         | 537          | rBV      | 124879         | 173731        | 3.82%           | 0.219%        |
| 3         | 5.592       | 589           | 596         | 599          | rBV      | 3339023        | 3414819       | 74.99%          | 4.297%        |
| 4         | 6.592       | 759           | 766         | 772          | rBV2     | 3133211        | 3917907       | 86.04%          | 4.930%        |
| 5         | 6.739       | 786           | 791         | 794          | rBV      | 3630998        | 3531597       | 77.55%          | 4.444%        |
| 6         | 6.792       | 796           | 800         | 804          | rBV2     | 137025         | 160983        | 3.54%           | 0.203%        |
| 7         | 6.963       | 826           | 829         | 833          | rBV      | 1103342        | 988719        | 21.71%          | 1.244%        |
| 8         | 7.122       | 852           | 856         | 859          | rBV      | 3165656        | 2751880       | 60.43%          | 3.463%        |
| 9         | 7.527       | 921           | 925         | 928          | rBV      | 2119253        | 2252239       | 49.46%          | 2.834%        |
| 10        | 8.251       | 1044          | 1048        | 1049         | rVV      | 1371814        | 1268662       | 27.86%          | 1.596%        |
| 11        | 8.269       | 1049          | 1051        | 1054         | rVV      | 1941348        | 1742599       | 38.27%          | 2.193%        |
| 12        | 8.963       | 1165          | 1169        | 1172         | rBV      | 934160         | 761480        | 16.72%          | 0.958%        |
| 13        | 9.063       | 1181          | 1186        | 1189         | rBV      | 563679         | 491565        | 10.79%          | 0.619%        |
| 14        | 9.321       | 1222          | 1230        | 1233         | rBV      | 3857391        | 3571837       | 78.44%          | 4.494%        |
| 15        | 9.421       | 1245          | 1247        | 1251         | rVV      | 235394         | 201926        | 4.43%           | 0.254%        |
| 16        | 9.521       | 1261          | 1264        | 1269         | rVB      | 1393339        | 148274        | 3.26%           | 0.187%        |
| 17        | 9.592       | 1269          | 1276        | 1279         | rBV      | 224403         | 314031        | 6.90%           | 0.395%        |
| 18        | 9.663       | 1284          | 1288        | 1290         | rBV      | 362248         | 362436        | 7.96%           | 0.456%        |
| 19        | 9.686       | 1290          | 1292        | 1294         | rVV      | 216720         | 167083        | 3.67%           | 0.210%        |
| 20        | 9.716       | 1294          | 1297        | 1303         | rVB      | 627591         | 593179        | 13.03%          | 0.746%        |
| 21        | 9.780       | 1304          | 1308        | 1310         | rBV2     | 190080         | 185938        | 4.08%           | 0.234%        |
| 22        | 9.868       | 1320          | 1323        | 1328         | rVB2     | 349050         | 294383        | 6.46%           | 0.370%        |
| 23        | 9.980       | 1339          | 1342        | 1344         | rVV      | 140230         | 145613        | 3.20%           | 0.183%        |
| 24        | 10.010      | 1344          | 1347        | 1350         | rVV      | 1388533        | 1261477       | 27.70%          | 1.587%        |
| 25        | 10.039      | 1350          | 1352        | 1355         | rVV      | 1338459        | 1115674       | 24.50%          | 1.404%        |
| 26        | 10.163      | 1368          | 1373        | 1377         | rBV2     | 158421         | 213615        | 4.69%           | 0.269%        |
| 27        | 10.210      | 1377          | 1381        | 1385         | rVV      | 845529         | 832094        | 18.27%          | 1.047%        |
| 28        | 10.321      | 1396          | 1400        | 1402         | rBV3     | 140746         | 156779        | 3.44%           | 0.197%        |
| 29        | 10.421      | 1411          | 1417        | 1421         | rVB3     | 157869         | 294295        | 6.46%           | 0.370%        |
| 30        | 10.557      | 1436          | 1440        | 1445         | rVB      | 1146729        | 1027992       | 22.57%          | 1.294%        |
| 31        | 10.639      | 1452          | 1454        | 1457         | rVV      | 207131         | 209668        | 4.60%           | 0.264%        |
| 32        | 10.710      | 1464          | 1466        | 1470         | rVB      | 278142         | 253712        | 5.57%           | 0.319%        |
| 33        | 10.798      | 1477          | 1481        | 1485         | rBV      | 2101291        | 1950434       | 42.83%          | 2.454%        |
| 34        | 10.910      | 1495          | 1500        | 1507         | rVB4     | 171363         | 357976        | 7.86%           | 0.450%        |

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 DW-05

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-BF102318.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 11.104 | 1526 | 1533 | 1536 | rBV3 | 213627  | 325245  | 7.14%   | 0.409% |
| 36 | 11.227 | 1550 | 1554 | 1556 | rBV3 | 129802  | 179779  | 3.95%   | 0.226% |
| 37 | 11.257 | 1556 | 1559 | 1563 | rVV3 | 125645  | 164290  | 3.61%   | 0.207% |
| 38 | 11.304 | 1564 | 1567 | 1570 | rVB  | 206485  | 177148  | 3.89%   | 0.223% |
| 39 | 11.345 | 1570 | 1574 | 1578 | rBV2 | 234197  | 308033  | 6.76%   | 0.388% |
| 40 | 11.398 | 1580 | 1583 | 1588 | rVB  | 395676  | 337120  | 7.40%   | 0.424% |
| 41 | 11.504 | 1597 | 1601 | 1602 | rBV  | 980398  | 972793  | 21.36%  | 1.224% |
| 42 | 11.533 | 1602 | 1606 | 1609 | rVV  | 4688773 | 4553759 | 100.00% | 5.730% |
| 43 | 11.580 | 1609 | 1614 | 1616 | rVV  | 1455868 | 1297185 | 28.49%  | 1.632% |
| 44 | 11.727 | 1634 | 1639 | 1644 | rVV2 | 641275  | 667611  | 14.66%  | 0.840% |
| 45 | 12.004 | 1682 | 1686 | 1688 | rBV  | 620606  | 628222  | 13.80%  | 0.790% |
| 46 | 12.027 | 1688 | 1690 | 1694 | rVB  | 728483  | 687748  | 15.10%  | 0.865% |
| 47 | 12.074 | 1695 | 1698 | 1701 | rBV  | 283732  | 265518  | 5.83%   | 0.334% |
| 48 | 12.115 | 1701 | 1705 | 1707 | rVV2 | 843240  | 901626  | 19.80%  | 1.135% |
| 49 | 12.139 | 1707 | 1709 | 1712 | rVB  | 360142  | 287758  | 6.32%   | 0.362% |
| 50 | 12.298 | 1732 | 1736 | 1738 | rVV  | 386000  | 358820  | 7.88%   | 0.452% |
| 51 | 12.327 | 1738 | 1741 | 1744 | rVV  | 238388  | 231448  | 5.08%   | 0.291% |
| 52 | 12.551 | 1776 | 1779 | 1783 | rBV2 | 308213  | 416554  | 9.15%   | 0.524% |
| 53 | 12.639 | 1791 | 1794 | 1799 | rVB2 | 177129  | 221973  | 4.87%   | 0.279% |
| 54 | 12.727 | 1803 | 1809 | 1812 | rBV  | 3374727 | 3607327 | 79.22%  | 4.539% |
| 55 | 12.957 | 1841 | 1848 | 1852 | rBV  | 3443267 | 4081126 | 89.62%  | 5.135% |
| 56 | 12.998 | 1852 | 1855 | 1859 | rVB2 | 218403  | 249953  | 5.49%   | 0.315% |
| 57 | 13.086 | 1862 | 1870 | 1872 | rBV  | 2401765 | 2290767 | 50.30%  | 2.882% |
| 58 | 13.104 | 1872 | 1873 | 1876 | rVB  | 235002  | 187741  | 4.12%   | 0.236% |
| 59 | 13.162 | 1879 | 1883 | 1887 | rBV3 | 258149  | 442758  | 9.72%   | 0.557% |
| 60 | 13.251 | 1894 | 1898 | 1899 | rBV3 | 228463  | 268743  | 5.90%   | 0.338% |
| 61 | 13.274 | 1899 | 1902 | 1905 | rVB  | 605758  | 566276  | 12.44%  | 0.713% |
| 62 | 13.339 | 1910 | 1913 | 1916 | rVV  | 460430  | 416896  | 9.15%   | 0.525% |
| 63 | 13.380 | 1916 | 1920 | 1922 | rVV3 | 411189  | 470120  | 10.32%  | 0.592% |
| 64 | 13.474 | 1933 | 1936 | 1938 | rBV  | 308706  | 256456  | 5.63%   | 0.323% |
| 65 | 13.504 | 1938 | 1941 | 1944 | rVV  | 262490  | 251326  | 5.52%   | 0.316% |
| 66 | 13.556 | 1947 | 1950 | 1953 | rBV  | 242628  | 214578  | 4.71%   | 0.270% |
| 67 | 13.786 | 1986 | 1989 | 1993 | rVB2 | 218997  | 268609  | 5.90%   | 0.338% |
| 68 | 13.898 | 2004 | 2008 | 2010 | rBV3 | 272327  | 271904  | 5.97%   | 0.342% |
| 69 | 13.921 | 2010 | 2012 | 2015 | rVV  | 265681  | 243129  | 5.34%   | 0.306% |
| 70 | 13.962 | 2015 | 2019 | 2022 | rVV3 | 340889  | 518136  | 11.38%  | 0.652% |
| 71 | 13.992 | 2022 | 2024 | 2028 | rVB  | 218995  | 198760  | 4.36%   | 0.250% |

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Instrument :  
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Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
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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-BF102318.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 72  | 14.068 | 2032 | 2037 | 2041 | rBV2 | 89783   | 193774  | 4.26%  | 0.244% |
| 73  | 14.109 | 2041 | 2044 | 2046 | rBV2 | 234758  | 277008  | 6.08%  | 0.349% |
| 74  | 14.145 | 2046 | 2050 | 2053 | rVV2 | 2021345 | 2784830 | 61.15% | 3.504% |
| 75  | 14.180 | 2053 | 2056 | 2062 | rVB  | 1692773 | 1612181 | 35.40% | 2.029% |
| 76  | 14.256 | 2066 | 2069 | 2071 | rVV  | 353851  | 288788  | 6.34%  | 0.363% |
| 77  | 14.292 | 2072 | 2075 | 2079 | rVV3 | 172907  | 245659  | 5.39%  | 0.309% |
| 78  | 14.339 | 2081 | 2083 | 2085 | rVB  | 200209  | 152423  | 3.35%  | 0.192% |
| 79  | 14.374 | 2085 | 2089 | 2092 | rBV2 | 189305  | 231873  | 5.09%  | 0.292% |
| 80  | 14.533 | 2113 | 2116 | 2119 | rVV  | 410974  | 400268  | 8.79%  | 0.504% |
| 81  | 14.568 | 2119 | 2122 | 2124 | rVV  | 235803  | 214132  | 4.70%  | 0.269% |
| 82  | 14.592 | 2124 | 2126 | 2128 | rVV  | 139713  | 163771  | 3.60%  | 0.206% |
| 83  | 14.633 | 2131 | 2133 | 2135 | rVV  | 166340  | 144529  | 3.17%  | 0.182% |
| 84  | 14.662 | 2135 | 2138 | 2140 | rVV  | 218141  | 206977  | 4.55%  | 0.260% |
| 85  | 14.686 | 2140 | 2142 | 2146 | rVV3 | 263663  | 245117  | 5.38%  | 0.308% |
| 86  | 14.733 | 2147 | 2150 | 2157 | rVB4 | 168052  | 206190  | 4.53%  | 0.259% |
| 87  | 15.051 | 2202 | 2204 | 2212 | rVB2 | 135185  | 192440  | 4.23%  | 0.242% |
| 88  | 15.227 | 2228 | 2234 | 2237 | rBV  | 1140059 | 1956878 | 42.97% | 2.462% |
| 89  | 15.333 | 2249 | 2252 | 2256 | rBV  | 239822  | 262352  | 5.76%  | 0.330% |
| 90  | 15.427 | 2265 | 2268 | 2275 | rBV5 | 80861   | 197864  | 4.35%  | 0.249% |
| 91  | 15.545 | 2284 | 2288 | 2294 | rVB  | 742141  | 1042409 | 22.89% | 1.312% |
| 92  | 15.615 | 2295 | 2300 | 2305 | rVV  | 1104332 | 1329213 | 29.19% | 1.673% |
| 93  | 15.674 | 2305 | 2310 | 2314 | rVV2 | 641414  | 981788  | 21.56% | 1.235% |
| 94  | 15.709 | 2314 | 2316 | 2322 | rVB2 | 321855  | 397978  | 8.74%  | 0.501% |
| 95  | 16.133 | 2383 | 2388 | 2393 | rVB2 | 199120  | 332174  | 7.29%  | 0.418% |
| 96  | 16.662 | 2474 | 2478 | 2485 | rVB2 | 113213  | 209668  | 4.60%  | 0.264% |
| 97  | 17.239 | 2569 | 2576 | 2582 | rBV2 | 367479  | 734747  | 16.13% | 0.925% |
| 98  | 17.421 | 2601 | 2607 | 2613 | rBV2 | 88487   | 188784  | 4.15%  | 0.238% |
| 99  | 17.715 | 2650 | 2657 | 2666 | rVB  | 272674  | 577805  | 12.69% | 0.727% |
| 100 | 17.962 | 2693 | 2699 | 2707 | rBV2 | 78193   | 189373  | 4.16%  | 0.238% |

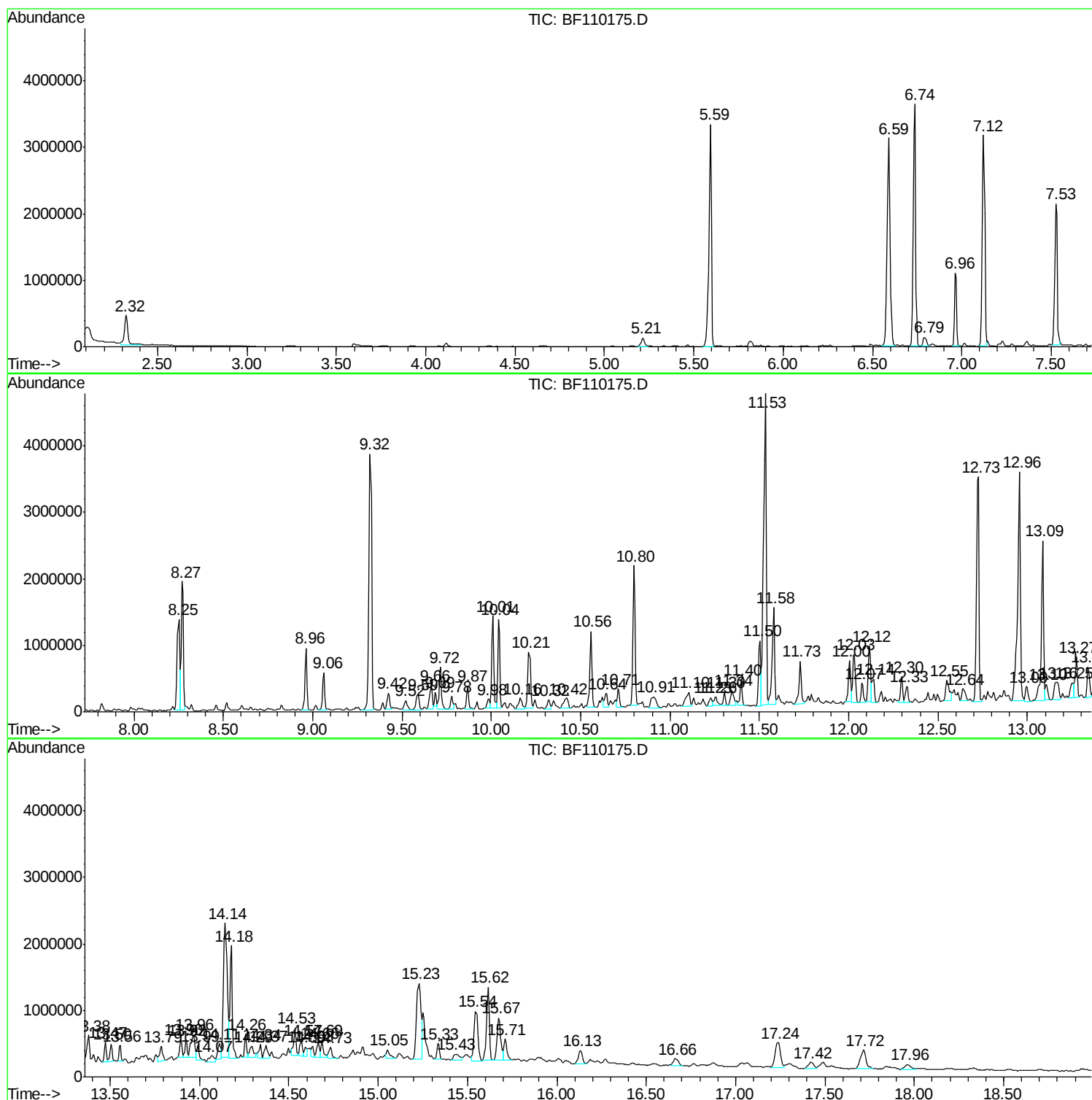
Sum of corrected areas: 79471727

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Instrument :  
BNA\_F  
ClientSampled :  
DW-05

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.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\BF102518\  
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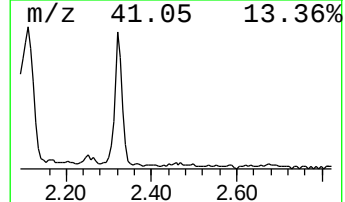
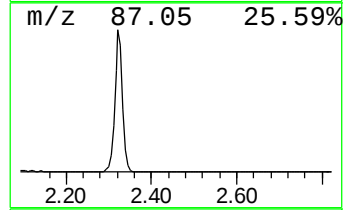
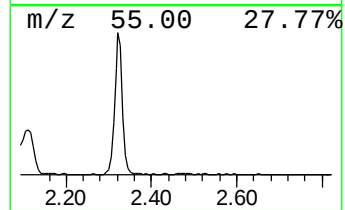
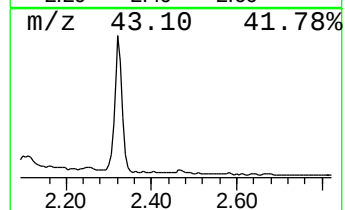
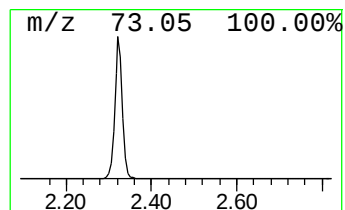
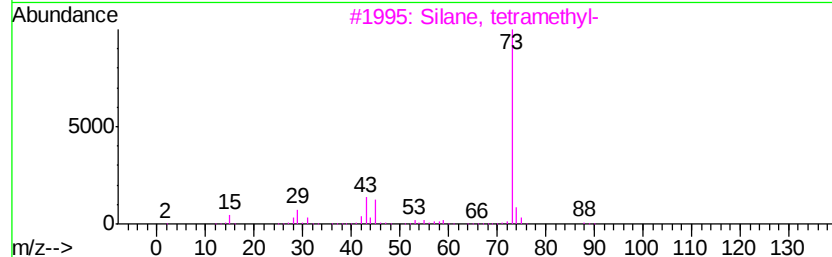
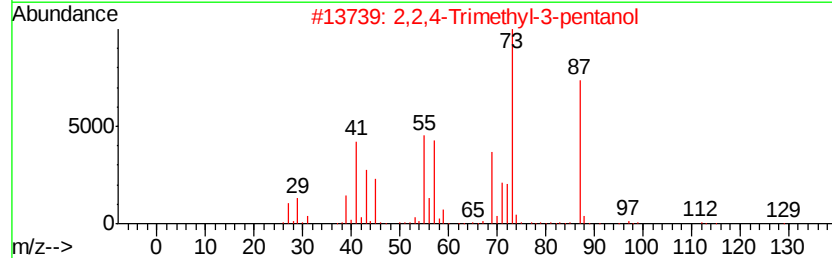
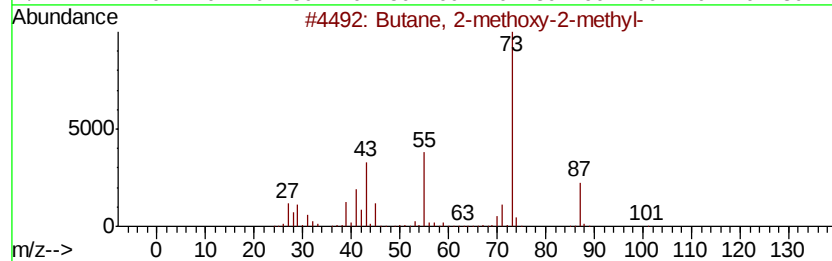
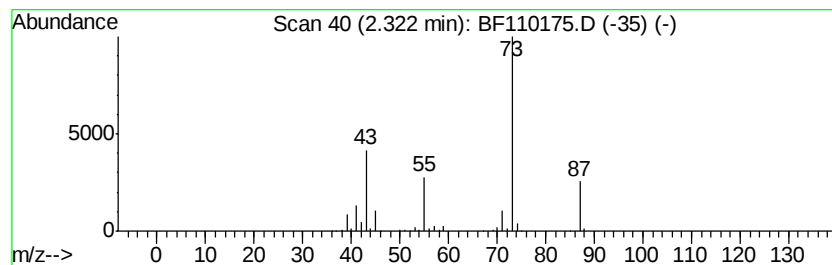
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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 7

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 2.32 | 12.32 ng | 608902 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 72   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 39   |
| 3    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 35   |
| 4    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 25   |
| 5    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 12   |



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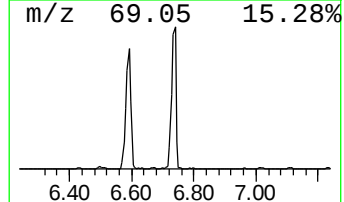
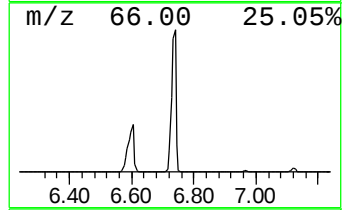
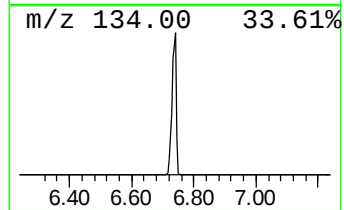
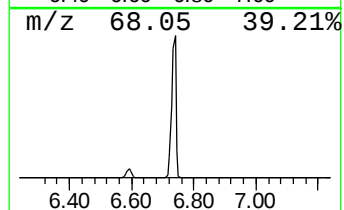
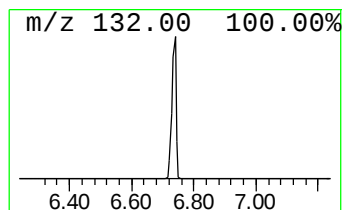
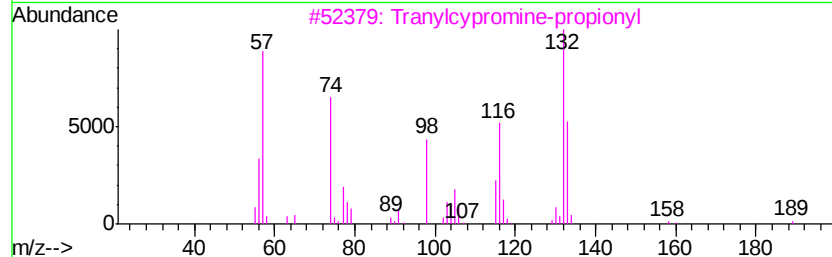
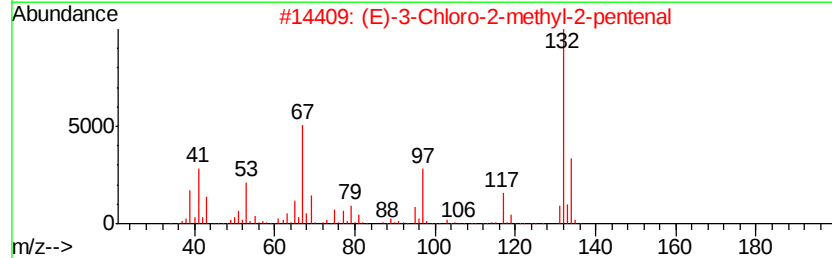
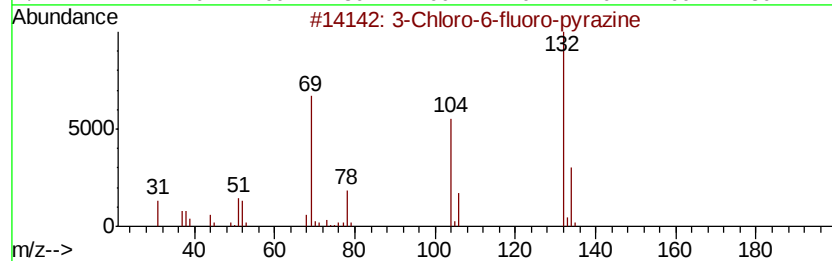
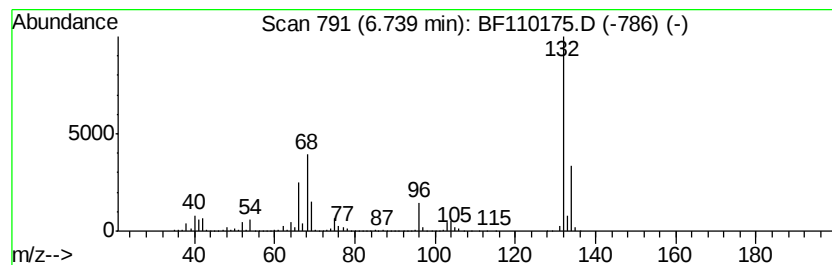
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 unknown6.74 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.74 | 71.44 ng | 3531600 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3    |    | Tranvlcyproline-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 4    |    | 1,3,5-Trifluorobenzene              | 132 | C6H3F3    | 000372-38-3  | 9    |
| 5    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\  
Data File : BF110175.D  
Acq On : 25 Oct 2018 22:02  
Operator : JU/SJ  
Sample : J5625-09  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DW-05

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

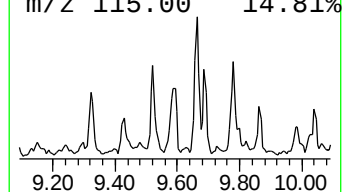
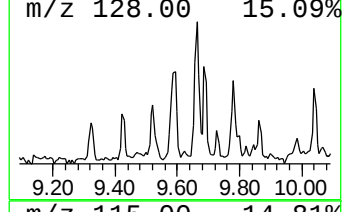
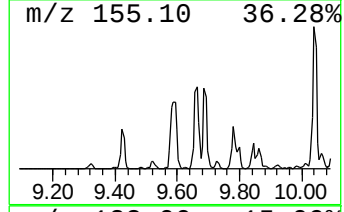
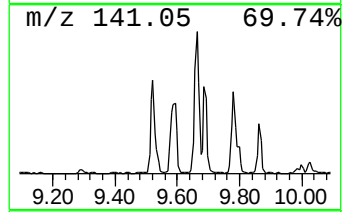
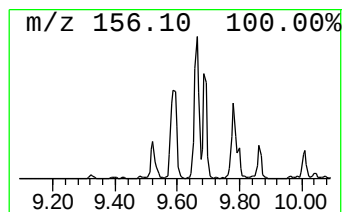
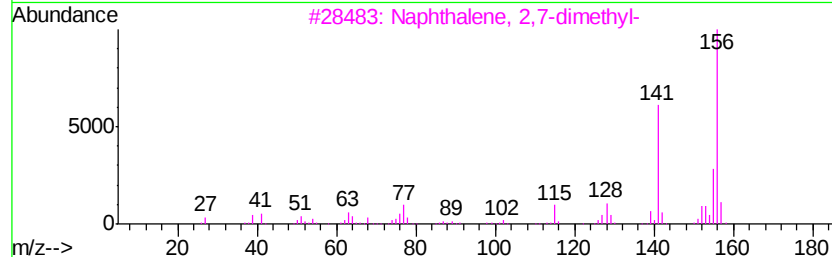
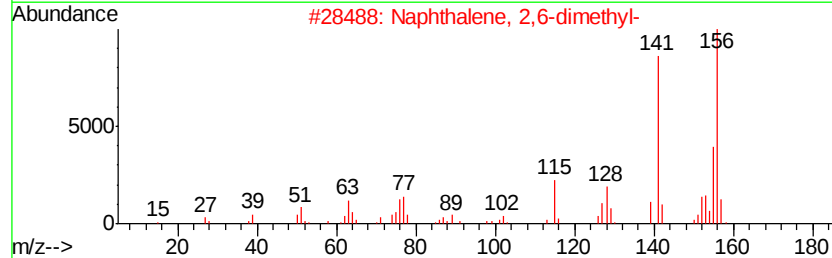
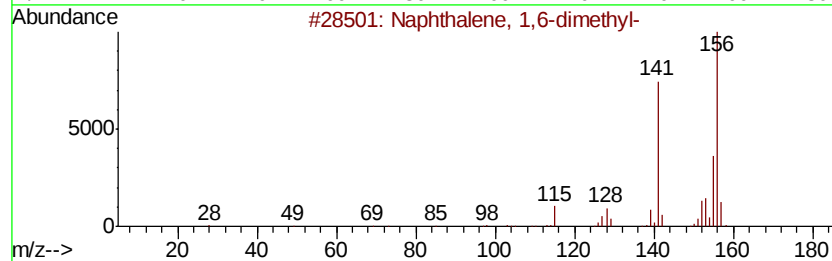
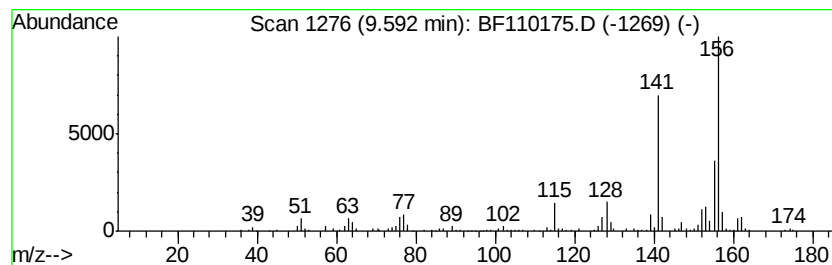
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 19

| R.T. | EstConc | Area   | Relative to ISTD | R.T.  |
|------|---------|--------|------------------|-------|
| 9.59 | 4.98 ng | 314031 | Acenaphthene-d10 | 10.01 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 96   |
| 2    |    | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 96   |
| 3    |    | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 96   |
| 4    |    | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 96   |
| 5    |    | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 96   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\  
Data File : BF110175.D  
Acq On : 25 Oct 2018 22:02  
Operator : JU/SJ  
Sample : J5625-09  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DW-05

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

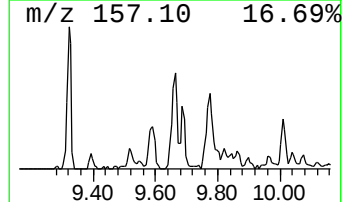
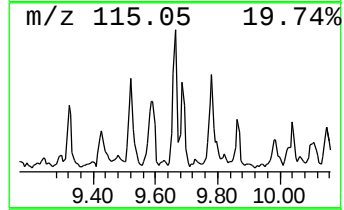
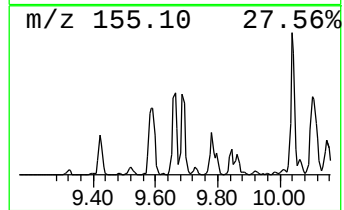
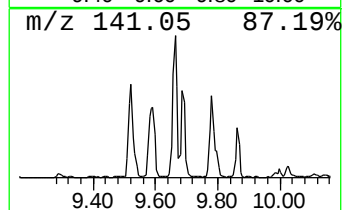
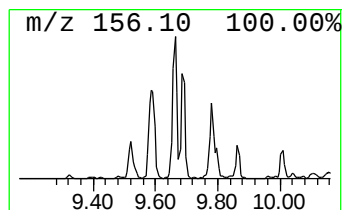
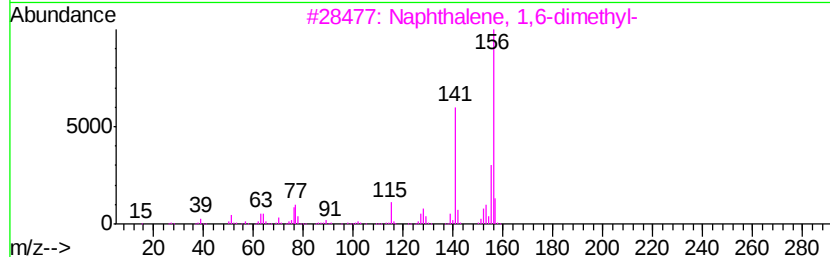
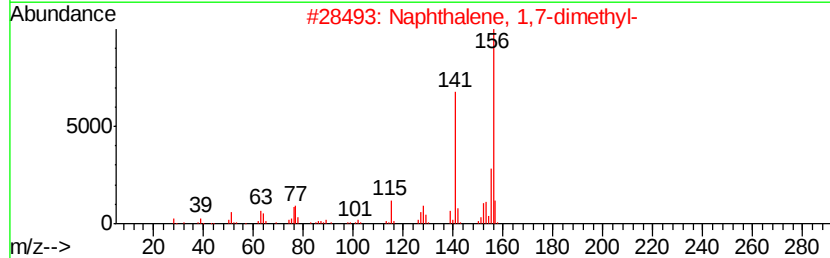
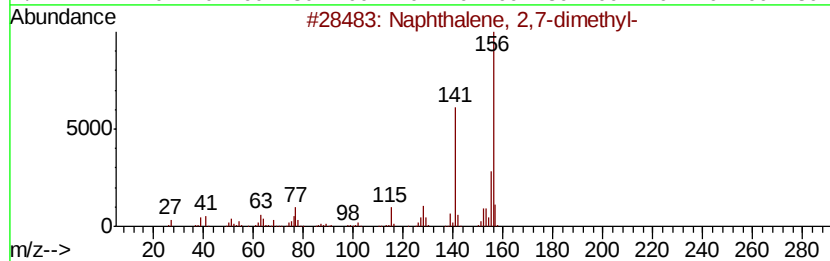
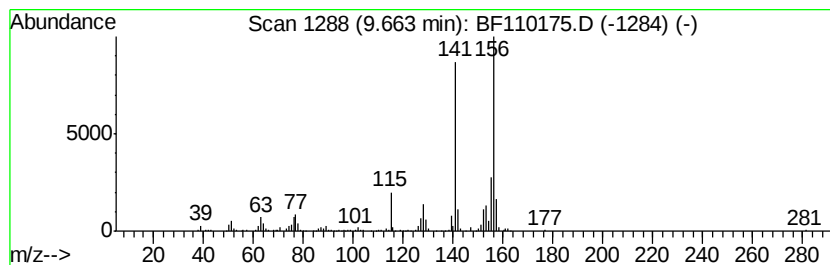
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 16

| R.T. | EstConc | Area   | Relative to ISTD | R.T.  |
|------|---------|--------|------------------|-------|
| 9.66 | 5.75 ng | 362436 | Acenaphthene-d10 | 10.01 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 2    |    | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 97   |
| 3    |    | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 97   |
| 4    |    | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 97   |
| 5    |    | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\  
Data File : BF110175.D  
Acq On : 25 Oct 2018 22:02  
Operator : JU/SJ  
Sample : J5625-09  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DW-05

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

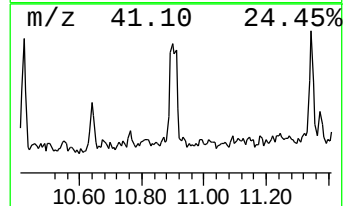
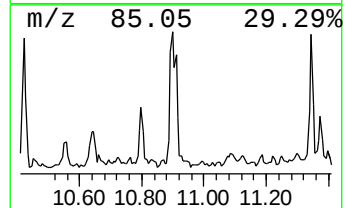
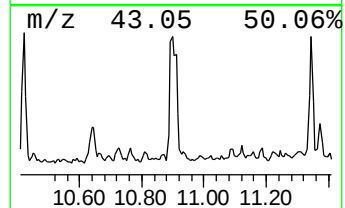
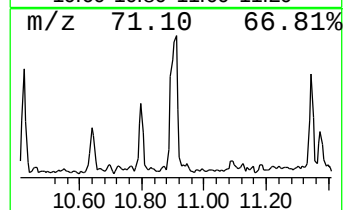
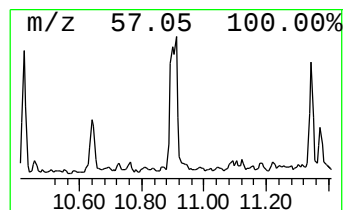
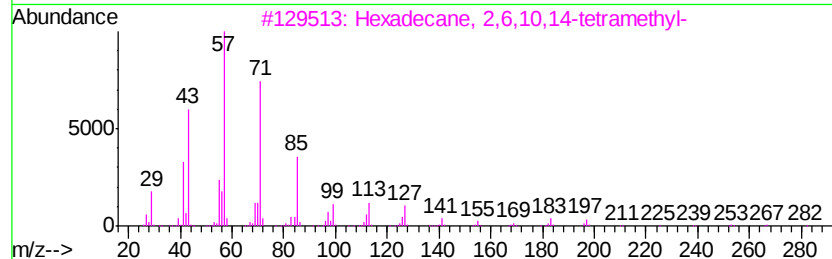
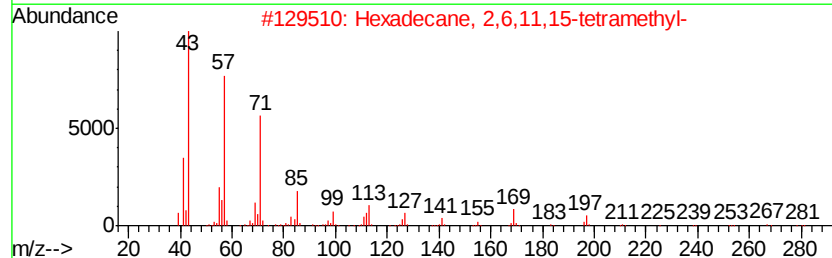
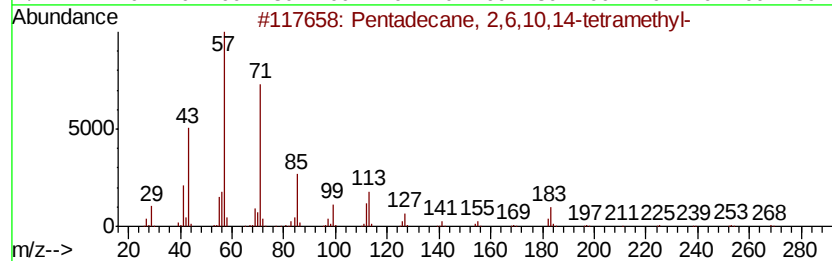
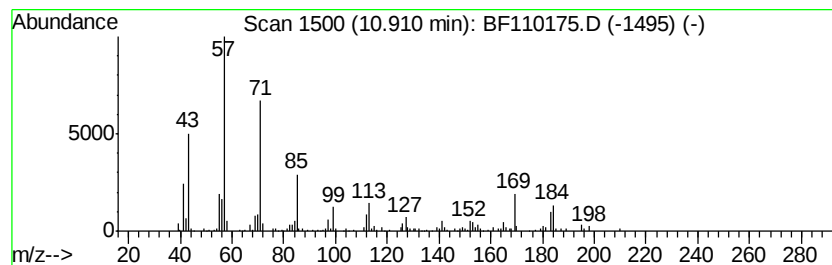
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Pentadecane, 2,6,10,14-tetr... Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.91 | 7.36 ng | 357976 | Phenanthrene-d10 | 11.50 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentadecane, 2,6,10,14-tetramethyl- | 268 | C19H40  | 001921-70-6 | 68   |
| 2    |    | Hexadecane, 2,6,11,15-tetramethyl-  | 282 | C20H42  | 000504-44-9 | 64   |
| 3    |    | Hexadecane, 2,6,10,14-tetramethyl-  | 282 | C20H42  | 000638-36-8 | 62   |
| 4    |    | Octane, 3,5-dimethyl-               | 142 | C10H22  | 015869-93-9 | 53   |
| 5    |    | Octane, 2-methyl-                   | 128 | C9H20   | 003221-61-2 | 49   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\  
Data File : BF110175.D  
Acq On : 25 Oct 2018 22:02  
Operator : JU/SJ  
Sample : J5625-09  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DW-05

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

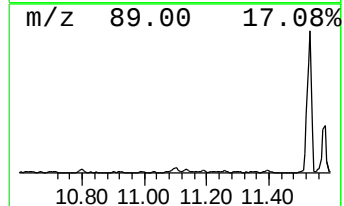
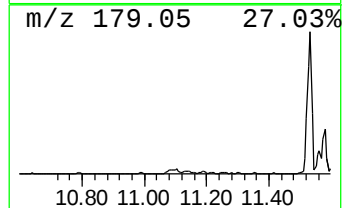
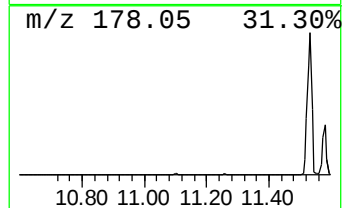
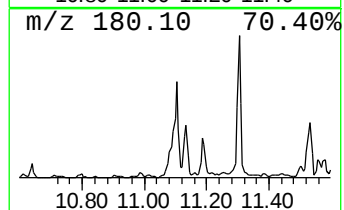
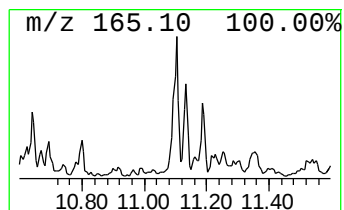
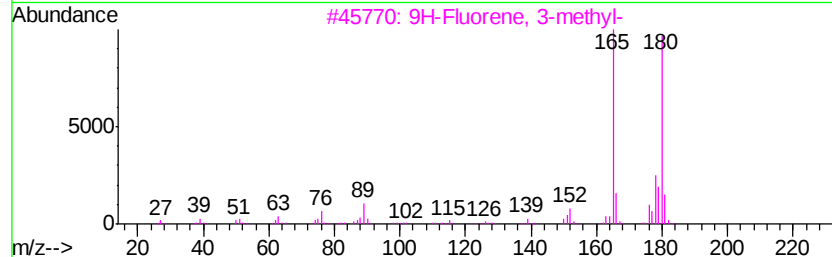
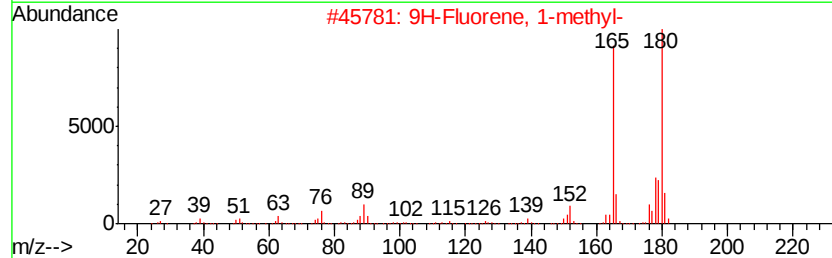
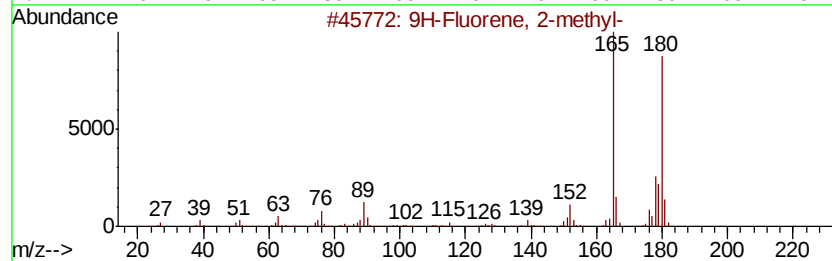
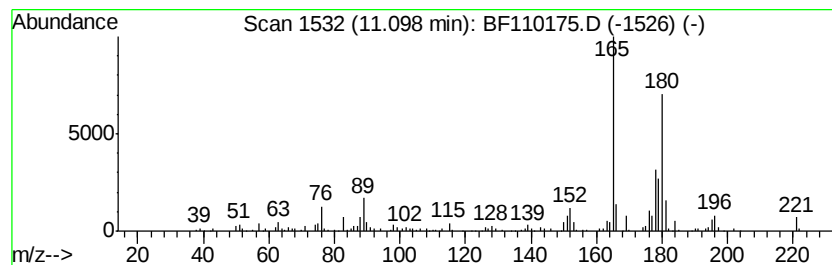
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD |  | R.T.  |
|-------|---------|--------|------------------|--|-------|
| 11.10 | 6.69 ng | 325245 | Phenanthrene-d10 |  | 11.50 |

| Hit# of | 5                      | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|------------------------|--------------|-----|---------|-------------|------|
| 1       | 9H-Fluorene, 2-methyl- |              | 180 | C14H12  | 001430-97-3 | 97   |
| 2       | 9H-Fluorene, 1-methyl- |              | 180 | C14H12  | 001730-37-6 | 96   |
| 3       | 9H-Fluorene, 3-methyl- |              | 180 | C14H12  | 002523-39-9 | 96   |
| 4       | 9H-Fluorene, 9-methyl- |              | 180 | C14H12  | 002523-37-7 | 94   |
| 5       | 9H-Fluorene, 4-methyl- |              | 180 | C14H12  | 001556-99-6 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\  
Data File : BF110175.D  
Acq On : 25 Oct 2018 22:02  
Operator : JU/SJ  
Sample : J5625-09  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DW-05

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

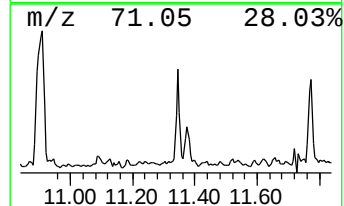
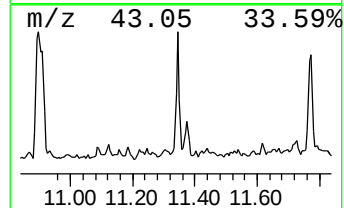
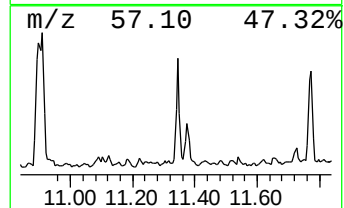
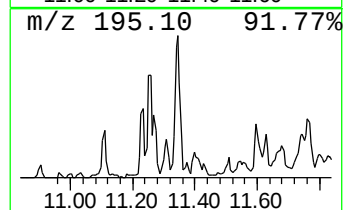
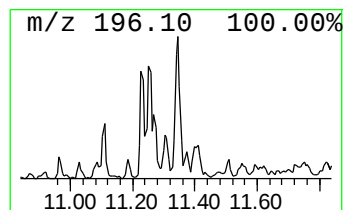
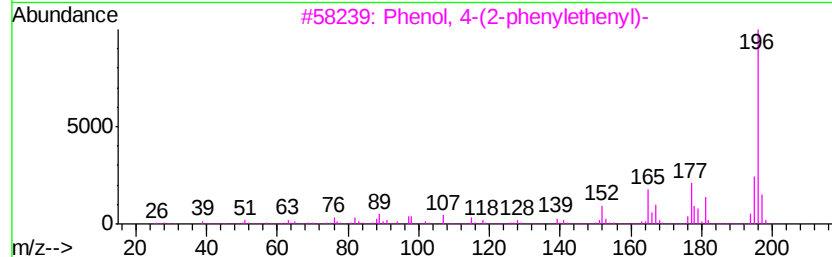
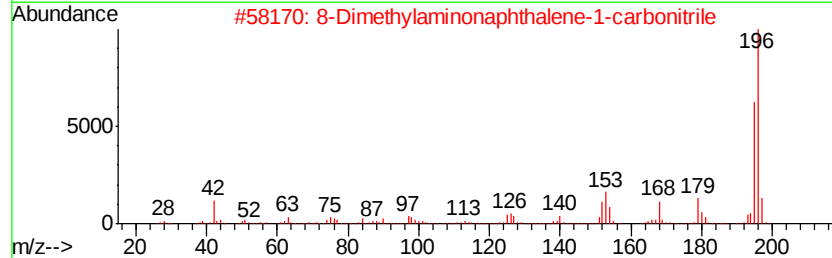
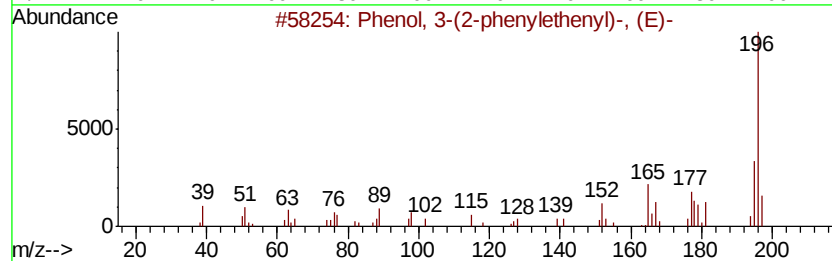
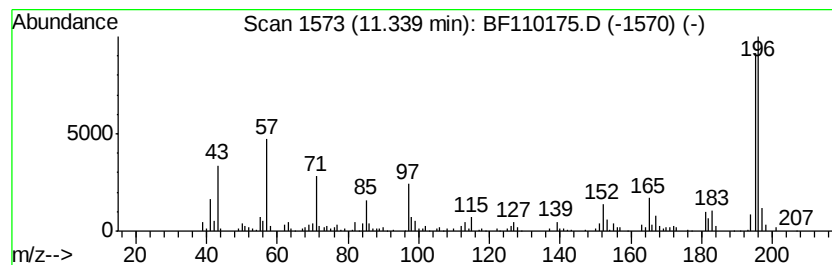
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Phenol, 3-(2-phenylethenyl)... Concentration Rank 14

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.34 | 6.33 ng | 308033 | Phenanthrene-d10 | 11.50 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Phenol, 3-(2-phenylethenyl)-, (E)-  | 196 | C14H12O  | 017861-18-6 | 64   |
| 2    |    | 8-Dimethylaminonaphthalene-1-car... | 196 | C13H12N2 | 128644-69-9 | 53   |
| 3    |    | Phenol, 4-(2-phenylethenyl)-        | 196 | C14H12O  | 003839-46-1 | 50   |
| 4    |    | Phenol, 4-(2-phenylethenyl)-, (E)-  | 196 | C14H12O  | 006554-98-9 | 46   |
| 5    |    | 2-Phenazinol                        | 196 | C12H8N2O | 004190-95-8 | 18   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\  
Data File : BF110175.D  
Acq On : 25 Oct 2018 22:02  
Operator : JU/SJ  
Sample : J5625-09  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DW-05

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

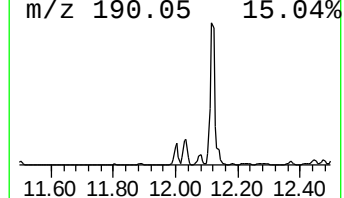
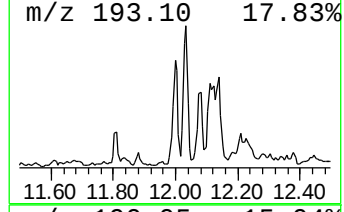
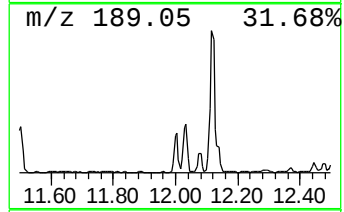
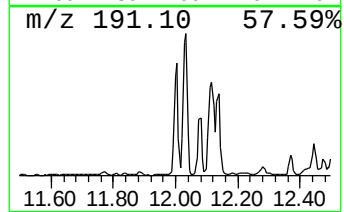
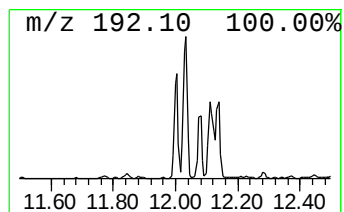
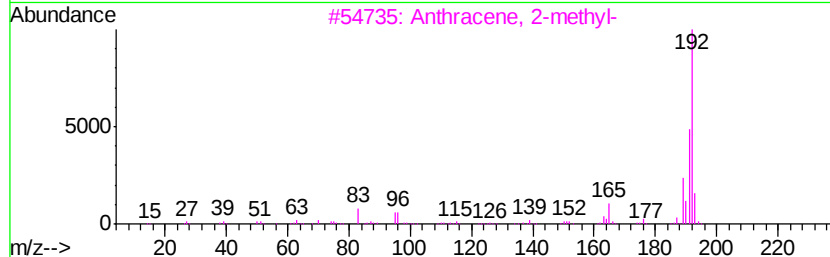
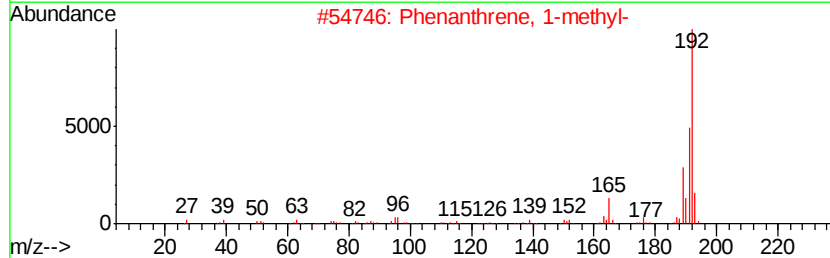
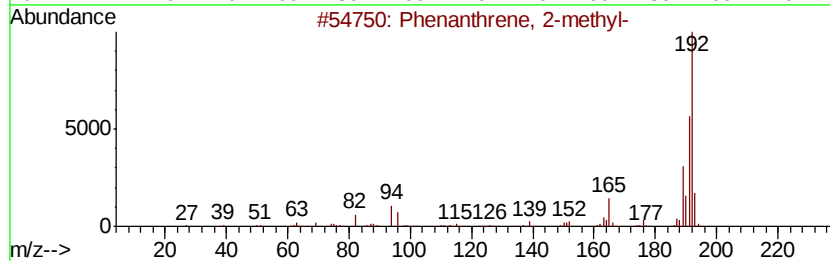
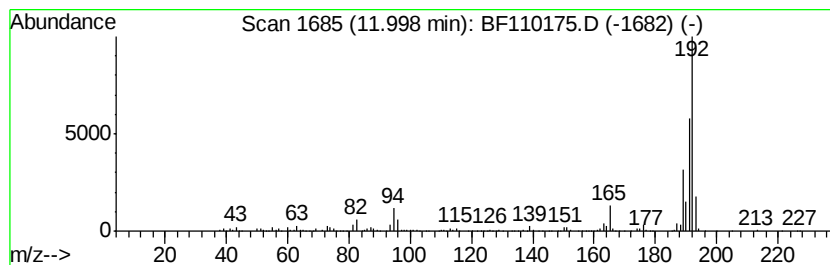
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Anthracene, 1-methyl- Concentration Rank 6

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 12.00 | 12.92 ng | 628222 | Phenanthrene-d10 | 11.50 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 93   |
| 2    |    | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 91   |
| 3    |    | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 90   |
| 4    |    | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 89   |
| 5    |    | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\  
Data File : BF110175.D  
Acq On : 25 Oct 2018 22:02  
Operator : JU/SJ  
Sample : J5625-09  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DW-05

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

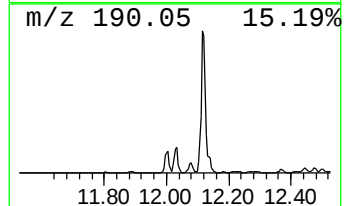
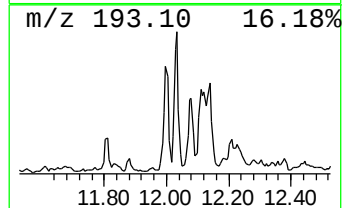
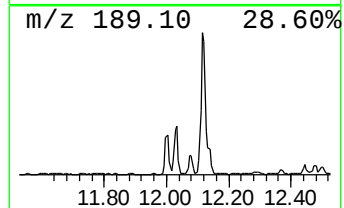
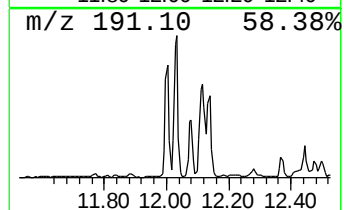
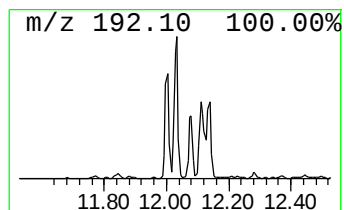
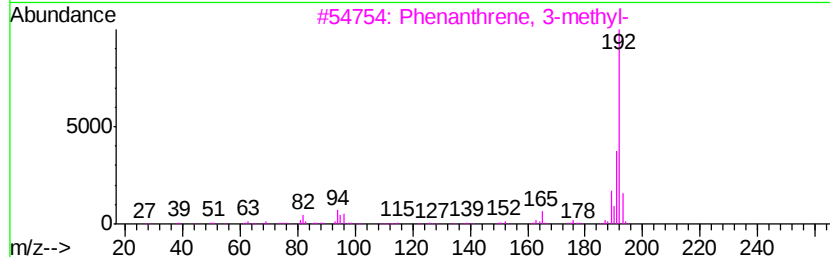
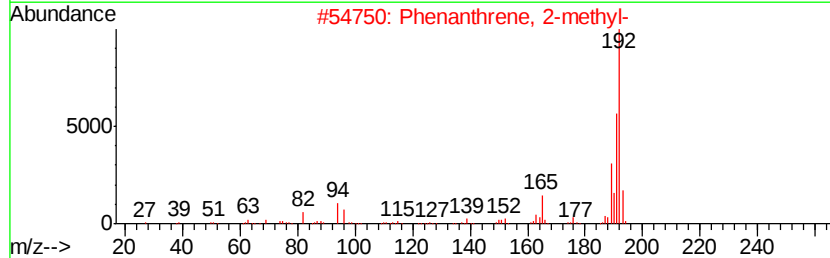
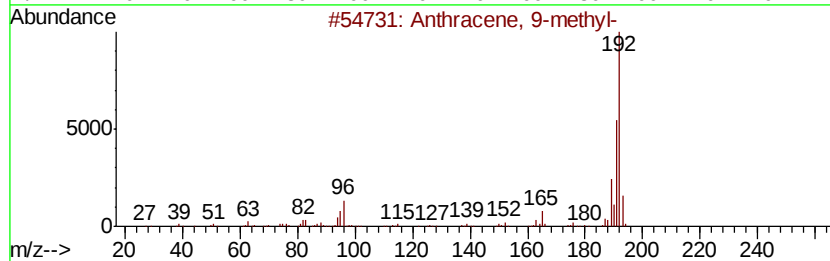
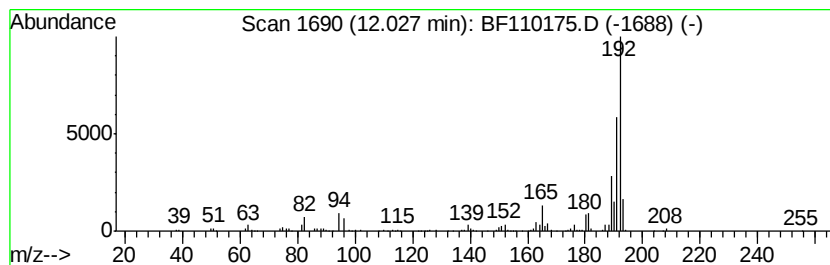
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Anthracene, 9-methyl- Concentration Rank 5

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 12.03 | 14.14 ng | 687748 | Phenanthrene-d10 | 11.50 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Anthracene, 9-methyl-       | 192 | C15H12  | 000779-02-2 | 94   |
| 2    |    | Phenanthrene, 2-methyl-     | 192 | C15H12  | 002531-84-2 | 93   |
| 3    |    | Phenanthrene, 3-methyl-     | 192 | C15H12  | 000832-71-3 | 93   |
| 4    |    | Phenanthrene, 1-methyl-     | 192 | C15H12  | 000832-69-9 | 93   |
| 5    |    | 5H-Dibenzo[a,d]cycloheptene | 192 | C15H12  | 000256-81-5 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\  
Data File : BF110175.D  
Acq On : 25 Oct 2018 22:02  
Operator : JU/SJ  
Sample : J5625-09  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DW-05

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

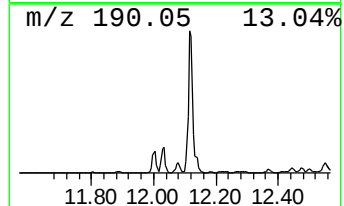
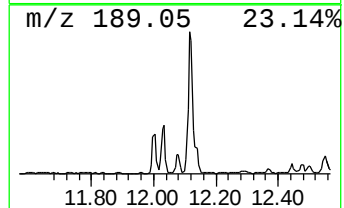
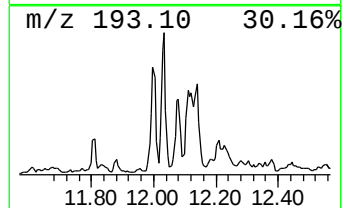
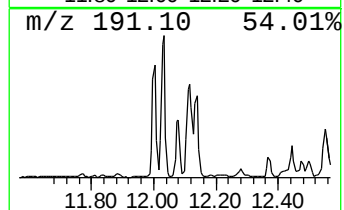
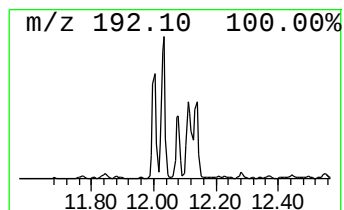
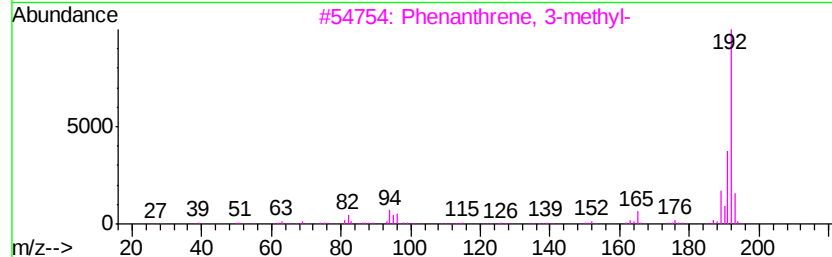
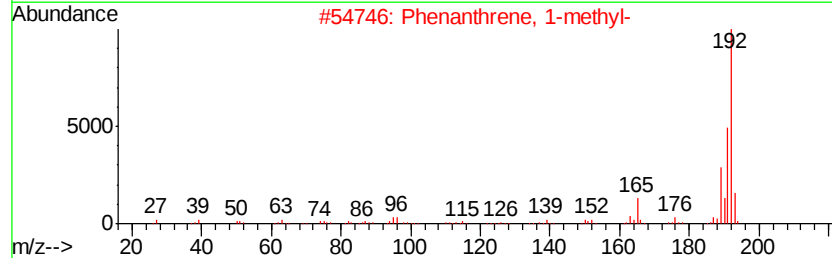
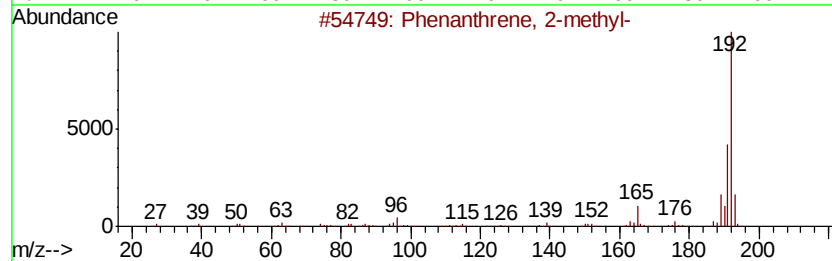
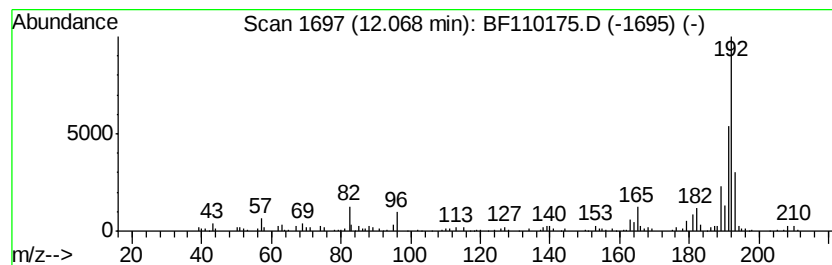
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 17

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.07 | 5.46 ng | 265518 | Phenanthrene-d10 | 11.50 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 96   |
| 2    |    |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 95   |
| 3    |    |   | Phenanthrene, 3-methyl- | 192 | C15H12  | 000832-71-3 | 94   |
| 4    |    |   | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 94   |
| 5    |    |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\  
Data File : BF110175.D  
Acq On : 25 Oct 2018 22:02  
Operator : JU/SJ  
Sample : J5625-09  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DW-05

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

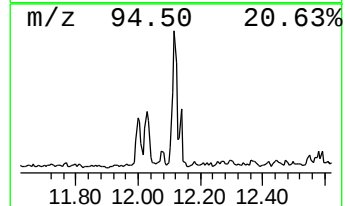
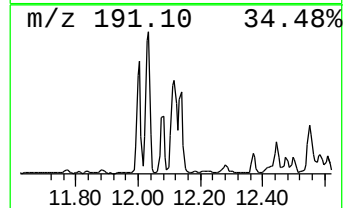
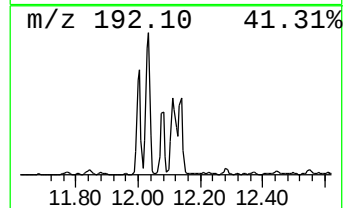
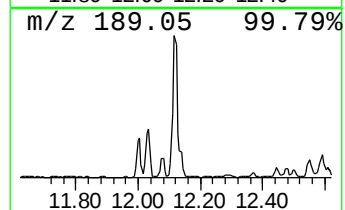
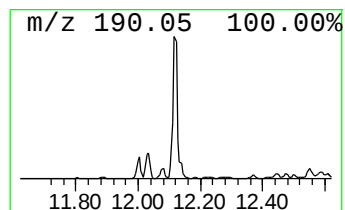
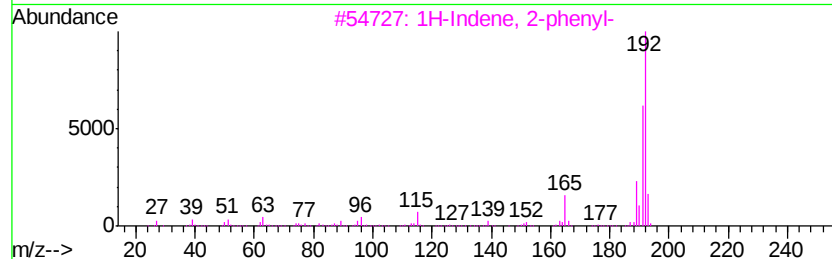
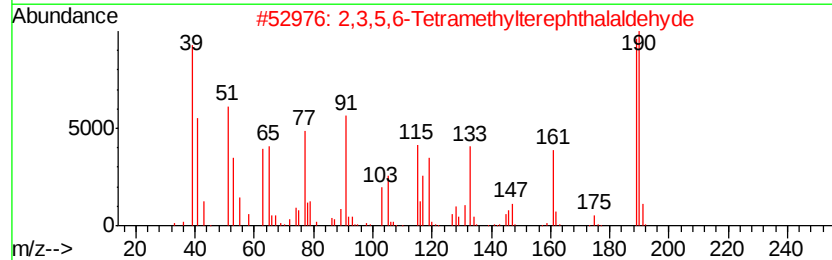
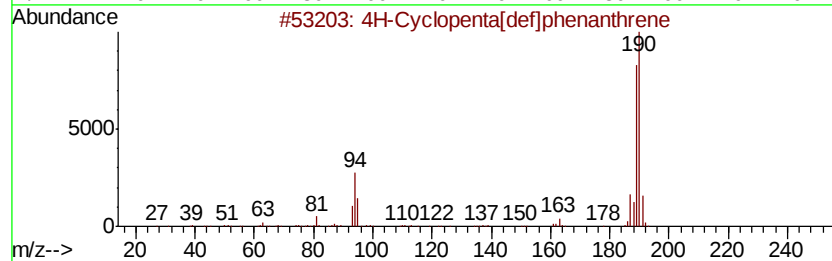
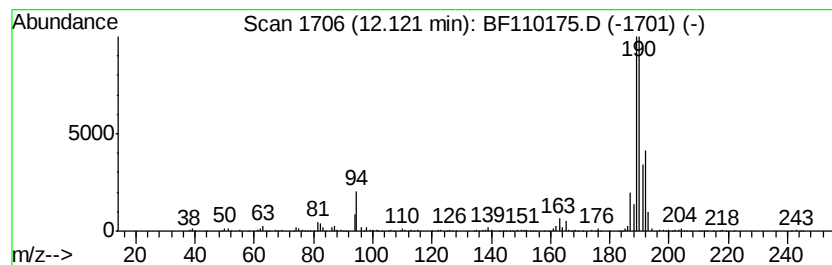
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 12.12 | 18.54 ng | 901626 | Phenanthrene-d10 | 11.50 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10   | 000203-64-5 | 92   |
| 2    |    | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2 | 007072-01-7 | 43   |
| 3    |    | 1H-Indene, 2-phenyl-                | 192 | C15H12   | 004505-48-0 | 35   |
| 4    |    | Propyne, 1,3-diphenyl-              | 192 | C15H12   | 004980-70-5 | 18   |
| 5    |    | Phenanthrene, 2-methyl-             | 192 | C15H12   | 002531-84-2 | 15   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\  
Data File : BF110175.D  
Acq On : 25 Oct 2018 22:02  
Operator : JU/SJ  
Sample : J5625-09  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DW-05

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

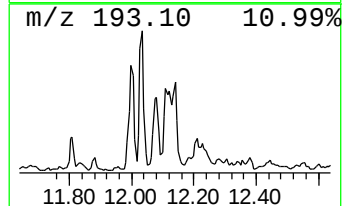
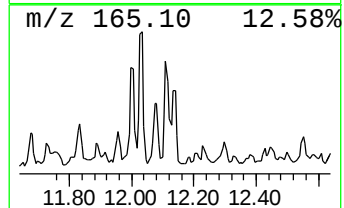
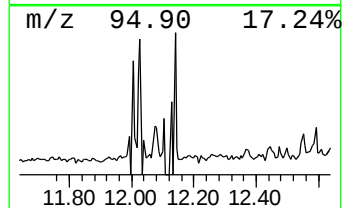
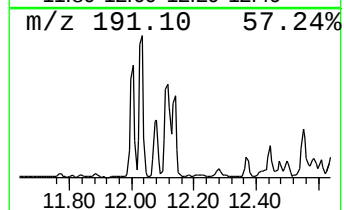
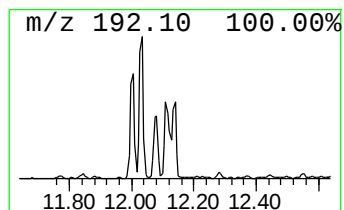
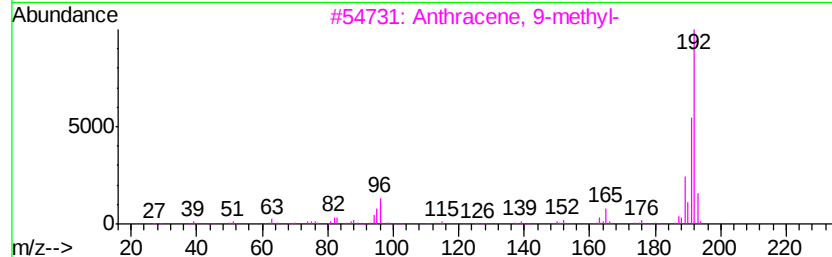
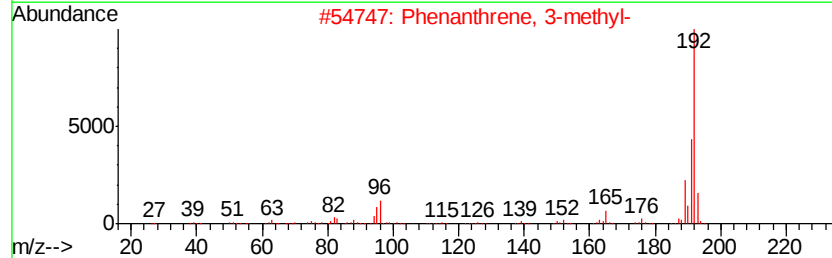
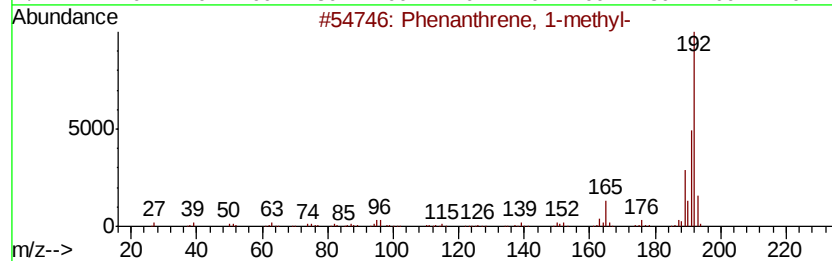
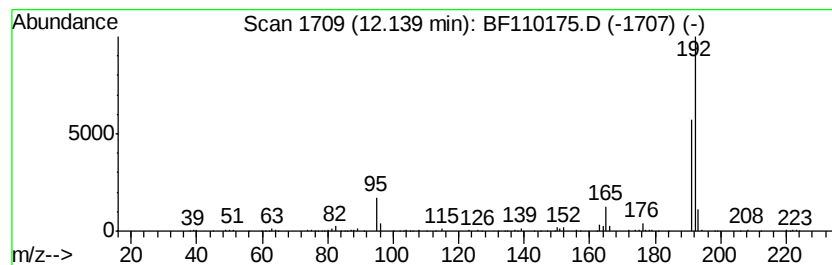
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 15

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.14 | 5.92 ng | 287758 | Phenanthrene-d10 | 11.50 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 93   |
| 2    |    | Phenanthrene, 3-methyl- | 192 | C15H12  | 000832-71-3 | 83   |
| 3    |    | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 80   |
| 4    |    | 1H-Indene, 1-phenyl-    | 192 | C15H12  | 001961-96-2 | 76   |
| 5    |    | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 74   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\  
Data File : BF110175.D  
Acq On : 25 Oct 2018 22:02  
Operator : JU/SJ  
Sample : J5625-09  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DW-05

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

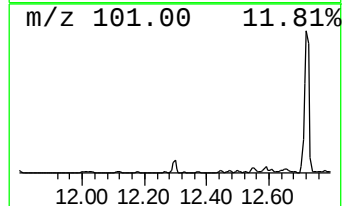
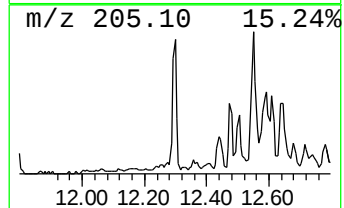
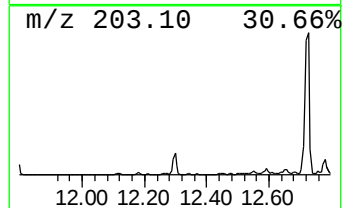
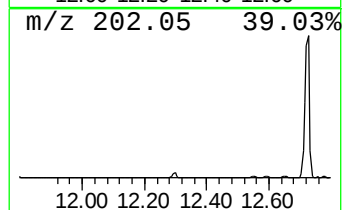
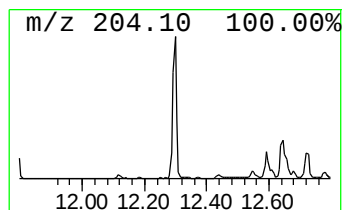
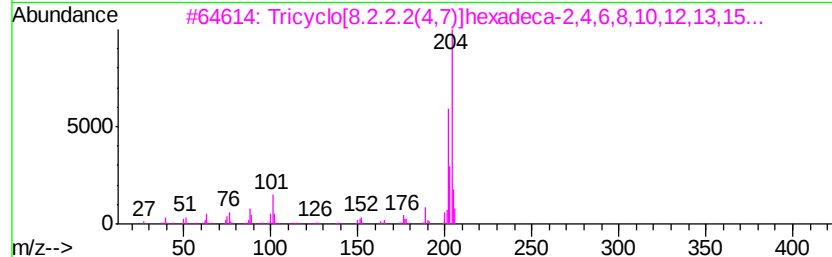
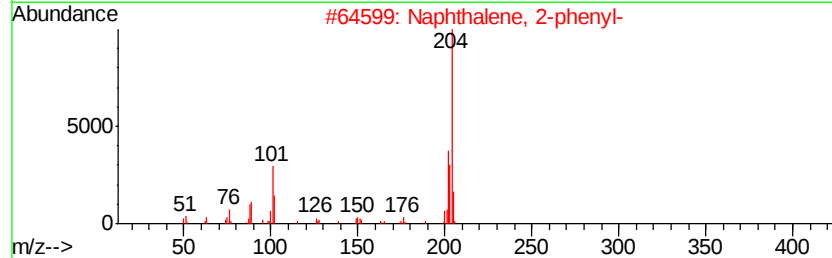
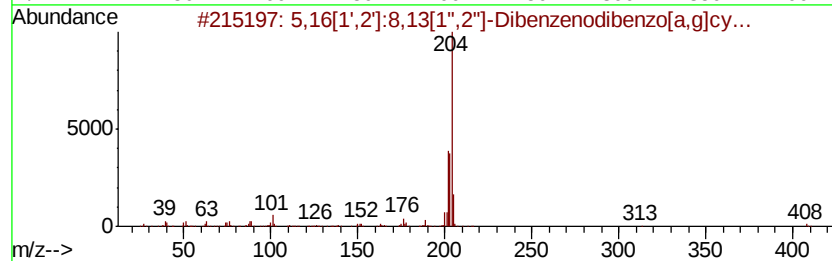
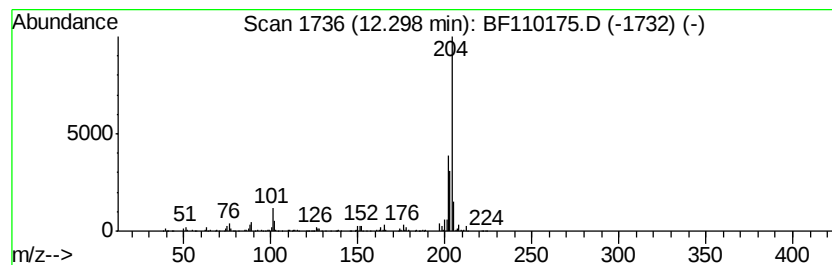
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.30 | 7.38 ng | 358820 | Phenanthrene-d10 | 11.50 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24    | 005672-97-9 | 86   |
| 2    |    | Naphthalene, 2-phenyl-              | 204 | C16H12    | 000612-94-2 | 86   |
| 3    |    | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12    | 006572-60-7 | 62   |
| 4    |    | [1,1'-Biphenyl]-2-ol, 5-chloro-     | 204 | C12H9ClO  | 000607-12-5 | 47   |
| 5    |    | 9,10-Bis(bromomethyl)anthracene     | 362 | C16H12Br2 | 034373-96-1 | 47   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\  
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Sample : J5625-09  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DW-05

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

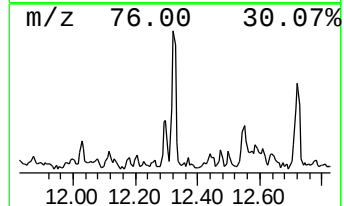
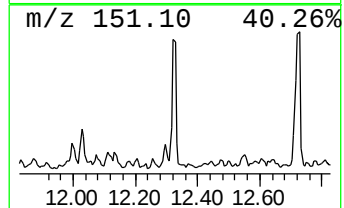
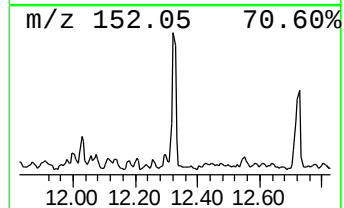
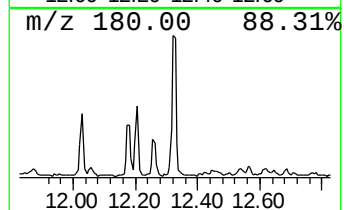
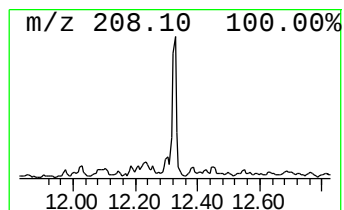
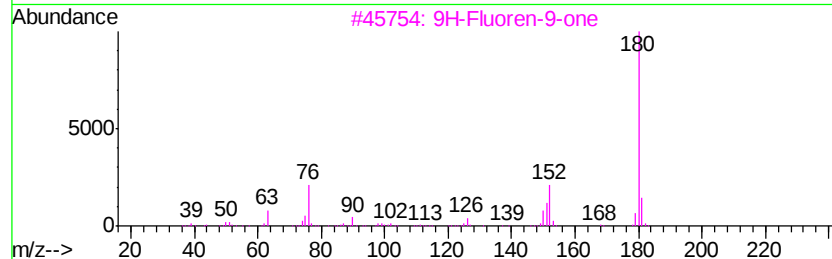
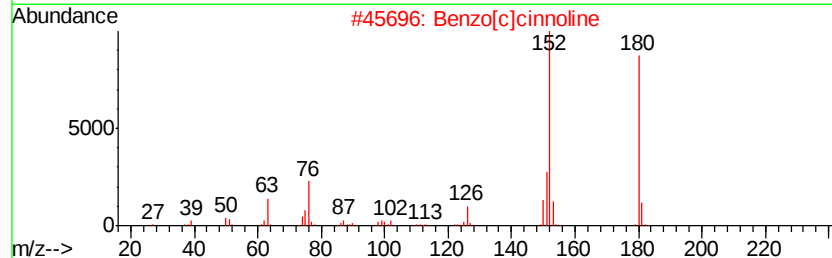
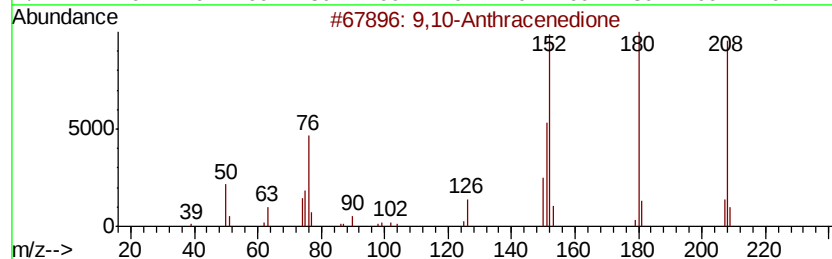
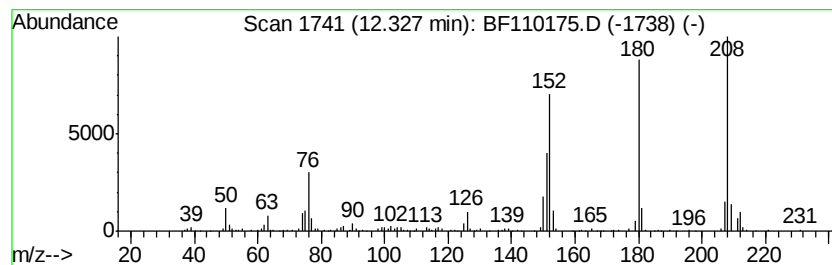
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 9,10-Anthracenedione Concentration Rank 20

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.33 | 4.76 ng | 231448 | Phenanthrene-d10 | 11.50 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm  | CAS#        | Qual |
|------|----|---|----------------------------------|-----|----------|-------------|------|
| 1    |    |   | 9,10-Anthracenedione             | 208 | C14H8O2  | 000084-65-1 | 97   |
| 2    |    |   | Benzo[c]cinnoline                | 180 | C12H8N2  | 000230-17-1 | 55   |
| 3    |    |   | 9H-Fluoren-9-one                 | 180 | C13H8O   | 000486-25-9 | 52   |
| 4    |    |   | 5,6-Dimethyl-1,10-phenanthroline | 208 | C14H12N2 | 003002-81-1 | 49   |
| 5    |    |   | 1H-Phenalen-1-one                | 180 | C13H8O   | 000548-39-0 | 49   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\  
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Sample : J5625-09  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DW-05

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

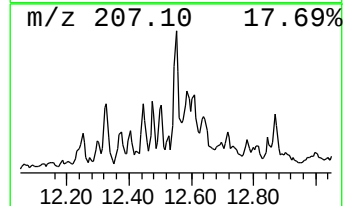
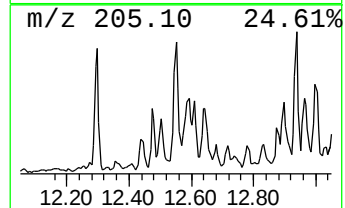
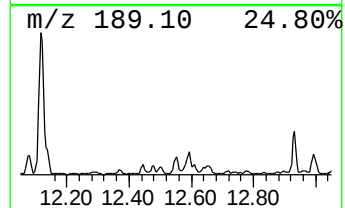
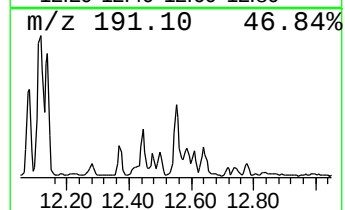
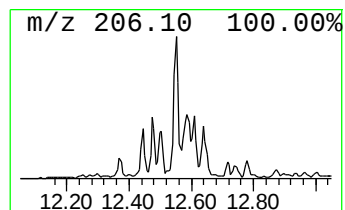
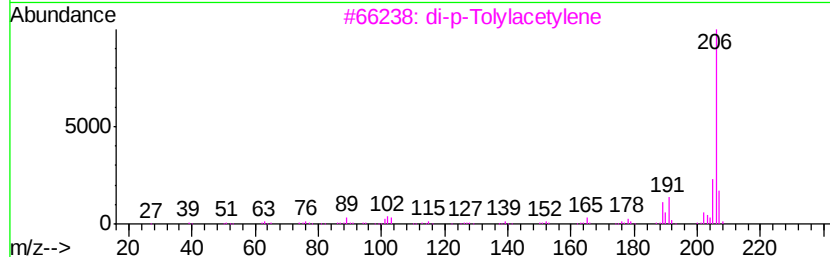
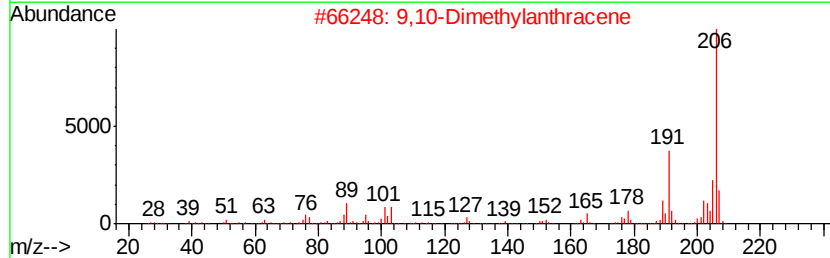
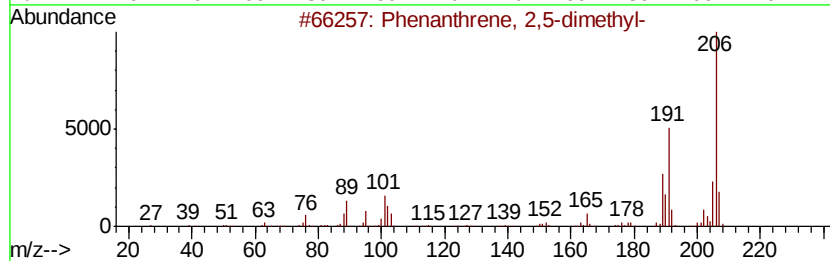
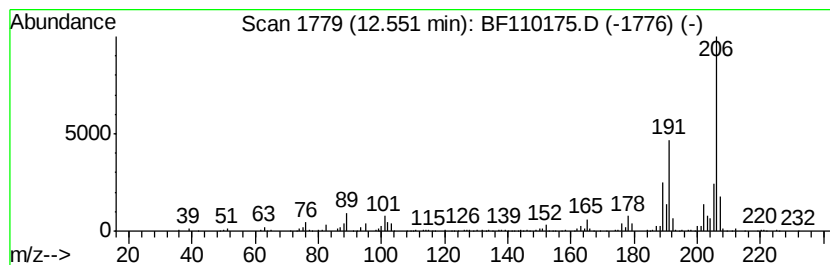
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.55 | 8.56 ng | 416554 | Phenanthrene-d10 | 11.50 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2,5-dimethyl- | 206 | C16H14  | 003674-66-6 | 98   |
| 2    |    |   | 9,10-Dimethylantracene      | 206 | C16H14  | 000781-43-1 | 93   |
| 3    |    |   | di-p-Tolylacetylene         | 206 | C16H14  | 002789-88-0 | 93   |
| 4    |    |   | Phenanthrene, 2,3-dimethyl- | 206 | C16H14  | 003674-65-5 | 93   |
| 5    |    |   | Phenanthrene, 1,7-dimethyl- | 206 | C16H14  | 000483-87-4 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\  
Data File : BF110175.D  
Acq On : 25 Oct 2018 22:02  
Operator : JU/SJ  
Sample : J5625-09  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DW-05

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

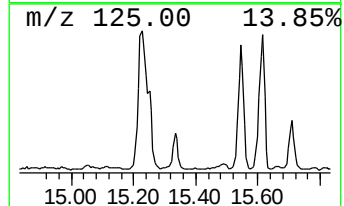
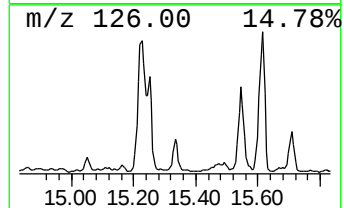
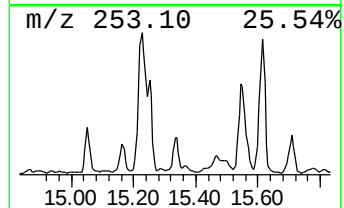
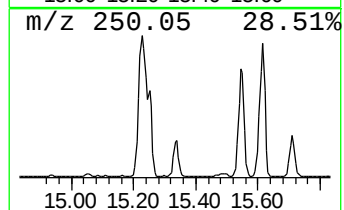
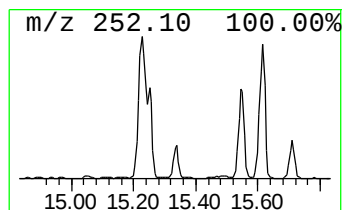
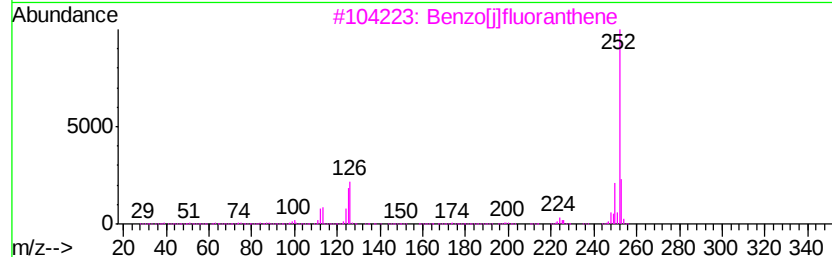
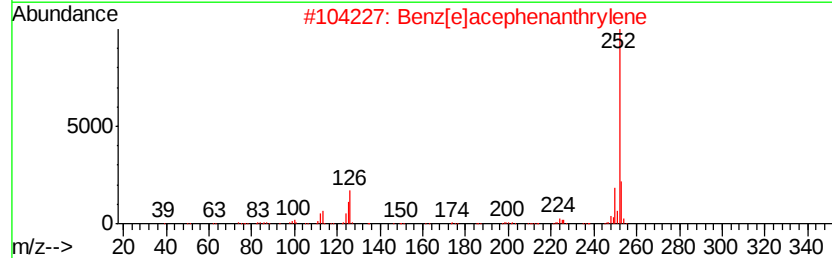
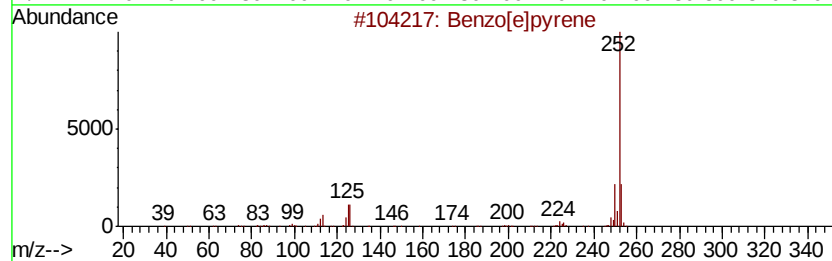
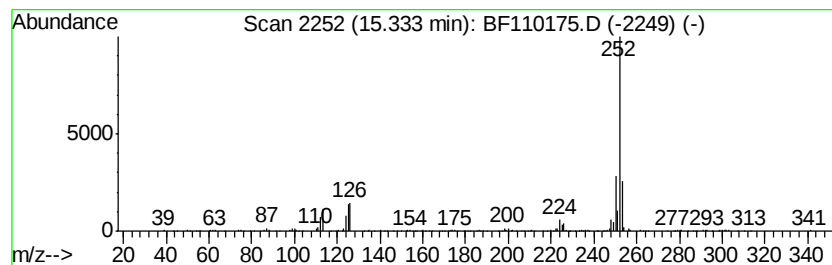
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 Benzo[e]pyrene Concentration Rank 18

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.33 | 5.34 ng | 262352 | Perylene-d12     | 15.68 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzo[e]pyrene            | 252 | C20H12  | 000192-97-2 | 98   |
| 2    |    | Benzo[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 96   |
| 3    |    | Benzo[i]fluoranthene      | 252 | C20H12  | 000205-82-3 | 96   |
| 4    |    | Perylene                  | 252 | C20H12  | 000198-55-0 | 96   |
| 5    |    | Benzo[k]fluoranthene      | 252 | C20H12  | 000207-08-9 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\  
Data File : BF110175.D  
Acq On : 25 Oct 2018 22:02  
Operator : JU/SJ  
Sample : J5625-09  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DW-05

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

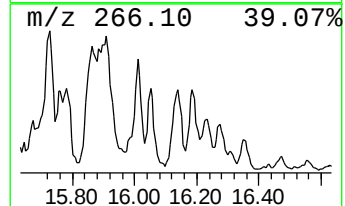
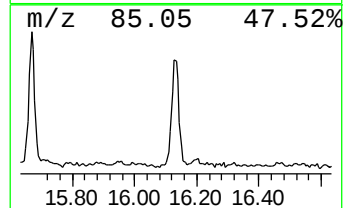
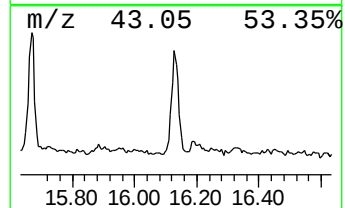
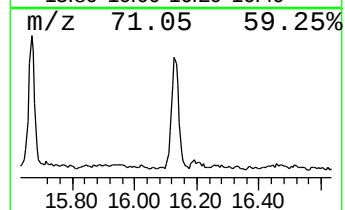
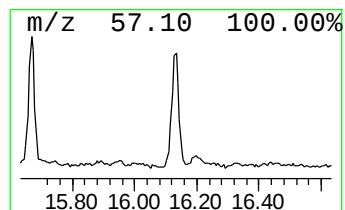
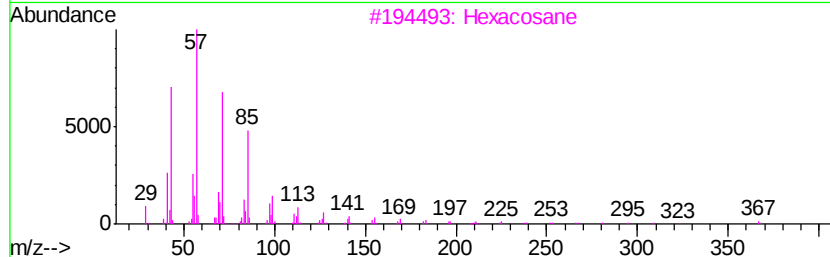
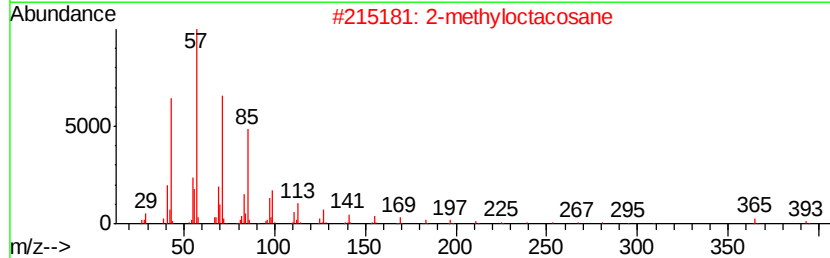
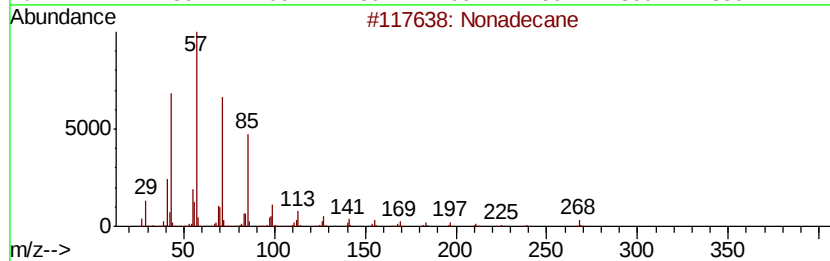
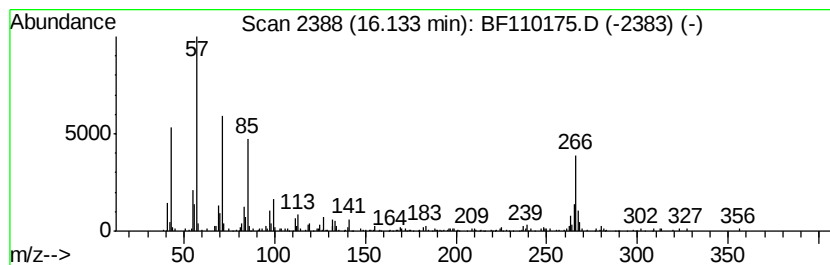
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Nonadecane Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.13 | 6.77 ng | 332174 | Perylene-d12     | 15.68 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------|-----|---------|--------------|------|
| 1    | 5  | Nonadecane         | 268 | C19H40  | 000629-92-5  | 89   |
| 2    |    | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 55   |
| 3    |    | Hexacosane         | 366 | C26H54  | 000630-01-3  | 55   |
| 4    |    | Tetracosane        | 338 | C24H50  | 000646-31-1  | 55   |
| 5    |    | Heneicosane        | 296 | C21H44  | 000629-94-7  | 49   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF102518\  
 Data File : BF110175.D  
 Acq On : 25 Oct 2018 22:02  
 Operator : JU/SJ  
 Sample : J5625-09  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DW-05

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF102318.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... | 2.32  | 12.3    | ng    | 608902   | 1                     | 6.97  | 988719  | 20.0 |
| unknown6.74          | 6.74  | 71.4    | ng    | 3531600  | 1                     | 6.97  | 988719  | 20.0 |
| Naphthalene, 1,6-... | 9.59  | 5.0     | ng    | 314031   | 3                     | 10.01 | 1261480 | 20.0 |
| Naphthalene, 2,7-... | 9.66  | 5.8     | ng    | 362436   | 3                     | 10.01 | 1261480 | 20.0 |
| Pentadecane, 2,6,... | 10.91 | 7.4     | ng    | 357976   | 4                     | 11.50 | 972793  | 20.0 |
| 9H-Fluorene, 2-me... | 11.10 | 6.7     | ng    | 325245   | 4                     | 11.50 | 972793  | 20.0 |
| Phenol, 3-(2-phen... | 11.34 | 6.3     | ng    | 308033   | 4                     | 11.50 | 972793  | 20.0 |
| Anthracene, 1-met... | 12.00 | 12.9    | ng    | 628222   | 4                     | 11.50 | 972793  | 20.0 |
| Anthracene, 9-met... | 12.03 | 14.1    | ng    | 687748   | 4                     | 11.50 | 972793  | 20.0 |
| Phenanthrene, 2-m... | 12.07 | 5.5     | ng    | 265518   | 4                     | 11.50 | 972793  | 20.0 |
| 4H-Cyclopenta[def... | 12.12 | 18.5    | ng    | 901626   | 4                     | 11.50 | 972793  | 20.0 |
| Phenanthrene, 1-m... | 12.14 | 5.9     | ng    | 287758   | 4                     | 11.50 | 972793  | 20.0 |
| 5,16[1',2']:8,13[... | 12.30 | 7.4     | ng    | 358820   | 4                     | 11.50 | 972793  | 20.0 |
| 9,10-Anthracenedione | 12.33 | 4.8     | ng    | 231448   | 4                     | 11.50 | 972793  | 20.0 |
| Phenanthrene, 2,5... | 12.55 | 8.6     | ng    | 416554   | 4                     | 11.50 | 972793  | 20.0 |
| Benzo[e]pyrene       | 15.33 | 5.3     | ng    | 262352   | 6                     | 15.68 | 981788  | 20.0 |
| Nonadecane           | 16.13 | 6.8     | ng    | 332174   | 6                     | 15.68 | 981788  | 20.0 |