

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030322\  
 Data File : BF127183.D  
 Acq On : 03 Mar 2022 20:56  
 Operator : CG\JU  
 Sample : N1713-03  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-235

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

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-BF021622.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF127183.D\data.ms

| 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         | 5.487       | 540           | 544         | 546          | rBV2     | 395546         | 600114        | 3.52%           | 0.325%        |
| 2         | 5.522       | 546           | 550         | 554          | rVB      | 1741592        | 2330693       | 13.67%          | 1.264%        |
| 3         | 6.169       | 656           | 660         | 663          | rVB      | 4375489        | 3841448       | 22.53%          | 2.083%        |
| 4         | 6.528       | 716           | 721         | 725          | rBV      | 2164143        | 2368923       | 13.90%          | 1.284%        |
| 5         | 6.587       | 726           | 731         | 734          | rBV      | 1427215        | 1305285       | 7.66%           | 0.708%        |
| 6         | 6.716       | 749           | 753         | 755          | rBV2     | 1116682        | 1149115       | 6.74%           | 0.623%        |
| 7         | 6.793       | 764           | 766         | 768          | rVB      | 992032         | 727126        | 4.27%           | 0.394%        |
| 8         | 6.893       | 779           | 783         | 785          | rVB      | 926380         | 802852        | 4.71%           | 0.435%        |
| 9         | 7.216       | 834           | 838         | 842          | rVB2     | 532358         | 740859        | 4.35%           | 0.402%        |
| 10        | 7.422       | 867           | 873         | 875          | rBV2     | 502925         | 607621        | 3.56%           | 0.329%        |
| 11        | 7.457       | 875           | 879         | 880          | rBV      | 1822832        | 1611117       | 9.45%           | 0.873%        |
| 12        | 7.475       | 880           | 882         | 886          | rVB      | 2083849        | 1746986       | 10.25%          | 0.947%        |
| 13        | 7.528       | 886           | 891         | 894          | rVB5     | 463565         | 595573        | 3.49%           | 0.323%        |
| 14        | 7.587       | 894           | 901         | 906          | rBV6     | 356373         | 860700        | 5.05%           | 0.467%        |
| 15        | 7.845       | 942           | 945         | 948          | rBV3     | 423384         | 550985        | 3.23%           | 0.299%        |
| 16        | 7.881       | 948           | 951         | 954          | rVV2     | 1039513        | 1395448       | 8.19%           | 0.757%        |
| 17        | 7.910       | 954           | 956         | 962          | rVV4     | 1079168        | 1506708       | 8.84%           | 0.817%        |
| 18        | 7.957       | 962           | 964         | 966          | rVV      | 742197         | 743867        | 4.36%           | 0.403%        |
| 19        | 7.987       | 966           | 969         | 971          | rVV2     | 1046710        | 1468181       | 8.61%           | 0.796%        |
| 20        | 8.010       | 971           | 973         | 977          | rVV4     | 1278303        | 1469920       | 8.62%           | 0.797%        |
| 21        | 8.092       | 981           | 987         | 989          | rBV2     | 1281380        | 1856622       | 10.89%          | 1.007%        |
| 22        | 8.116       | 989           | 991         | 993          | rVV      | 1180032        | 1205553       | 7.07%           | 0.654%        |
| 23        | 8.151       | 993           | 997         | 999          | rVV2     | 2922714        | 3389219       | 19.88%          | 1.837%        |
| 24        | 8.175       | 999           | 1001        | 1003         | rVV      | 1064247        | 993170        | 5.83%           | 0.538%        |
| 25        | 8.216       | 1003          | 1008        | 1012         | rVV3     | 5783682        | 8740503       | 51.27%          | 4.738%        |
| 26        | 8.257       | 1012          | 1015        | 1020         | rVB4     | 413235         | 622366        | 3.65%           | 0.337%        |
| 27        | 8.316       | 1021          | 1025        | 1027         | rBV2     | 1507417        | 1288803       | 7.56%           | 0.699%        |
| 28        | 8.457       | 1046          | 1049        | 1054         | rVB4     | 992874         | 1203474       | 7.06%           | 0.652%        |
| 29        | 8.510       | 1055          | 1058        | 1061         | rBV4     | 383418         | 579583        | 3.40%           | 0.314%        |
| 30        | 8.540       | 1061          | 1063        | 1064         | rVV      | 697041         | 568416        | 3.33%           | 0.308%        |
| 31        | 8.557       | 1064          | 1066        | 1068         | rVV2     | 857441         | 1023360       | 6.00%           | 0.555%        |
| 32        | 8.587       | 1068          | 1071        | 1073         | rVV3     | 1821049        | 2081947       | 12.21%          | 1.129%        |
| 33        | 8.675       | 1083          | 1086        | 1089         | rBV2     | 1030527        | 941714        | 5.52%           | 0.511%        |
| 34        | 8.757       | 1094          | 1100        | 1104         | rBV      | 3169199        | 3432526       | 20.13%          | 1.861%        |
| 35        | 8.792       | 1104          | 1106        | 1111         | rBV4     | 547660         | 709299        | 4.16%           | 0.385%        |
| 36        | 8.939       | 1127          | 1131        | 1132         | rBV      | 608070         | 599736        | 3.52%           | 0.325%        |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030322\  
 Data File : BF127183.D  
 Acq On : 03 Mar 2022 20:56  
 Operator : CG\JU  
 Sample : N1713-03  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-235

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

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-BF021622.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |       |      |      |      |      |        |        |       |        |
|----|-------|------|------|------|------|--------|--------|-------|--------|
| 37 | 8.998 | 1137 | 1141 | 1145 | rVV4 | 828878 | 965112 | 5.66% | 0.523% |
| 38 | 9.039 | 1145 | 1148 | 1149 | rVV2 | 556479 | 538942 | 3.16% | 0.292% |
| 39 | 9.057 | 1149 | 1151 | 1152 | rVV2 | 750380 | 626142 | 3.67% | 0.339% |
| 40 | 9.087 | 1152 | 1156 | 1158 | rVV3 | 587798 | 825745 | 4.84% | 0.448% |

|    |       |      |      |      |      |         |         |        |        |
|----|-------|------|------|------|------|---------|---------|--------|--------|
| 41 | 9.122 | 1158 | 1162 | 1164 | rVV3 | 897131  | 1110405 | 6.51%  | 0.602% |
| 42 | 9.163 | 1167 | 1169 | 1171 | rVV2 | 620254  | 574188  | 3.37%  | 0.311% |
| 43 | 9.187 | 1171 | 1173 | 1176 | rVV2 | 1289356 | 1030492 | 6.04%  | 0.559% |
| 44 | 9.251 | 1180 | 1184 | 1188 | rVB  | 1821595 | 1462476 | 8.58%  | 0.793% |
| 45 | 9.328 | 1192 | 1197 | 1202 | rBV  | 3881277 | 4284034 | 25.13% | 2.322% |

|    |       |      |      |      |      |         |         |        |        |
|----|-------|------|------|------|------|---------|---------|--------|--------|
| 46 | 9.404 | 1206 | 1210 | 1213 | rVB  | 1813612 | 1730094 | 10.15% | 0.938% |
| 47 | 9.457 | 1213 | 1219 | 1222 | rBV5 | 415636  | 680171  | 3.99%  | 0.369% |
| 48 | 9.563 | 1234 | 1237 | 1239 | rBV3 | 794501  | 879312  | 5.16%  | 0.477% |
| 49 | 9.645 | 1247 | 1251 | 1253 | rBV3 | 1161012 | 1457486 | 8.55%  | 0.790% |
| 50 | 9.857 | 1280 | 1287 | 1290 | rBV  | 3931496 | 3933215 | 23.07% | 2.132% |

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 51 | 9.934  | 1298 | 1300 | 1303 | rVB  | 785460  | 624678  | 3.66%  | 0.339% |
| 52 | 10.081 | 1321 | 1325 | 1328 | rVV3 | 755852  | 1091345 | 6.40%  | 0.592% |
| 53 | 10.175 | 1338 | 1341 | 1344 | rBV2 | 821357  | 902656  | 5.29%  | 0.489% |
| 54 | 10.216 | 1345 | 1348 | 1353 | rVB3 | 745914  | 1349181 | 7.91%  | 0.731% |
| 55 | 10.357 | 1367 | 1372 | 1374 | rBV  | 3644704 | 3135224 | 18.39% | 1.700% |

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 56 | 10.575 | 1403 | 1409 | 1411 | rBV  | 1335873 | 1724499 | 10.12% | 0.935% |
| 57 | 10.616 | 1413 | 1416 | 1419 | rVB2 | 714468  | 817217  | 4.79%  | 0.443% |
| 58 | 10.692 | 1427 | 1429 | 1432 | rVB2 | 1079614 | 943470  | 5.53%  | 0.511% |
| 59 | 10.728 | 1432 | 1435 | 1438 | rBV  | 1153630 | 958477  | 5.62%  | 0.520% |
| 60 | 10.833 | 1449 | 1453 | 1462 | rVB  | 2979478 | 4138297 | 24.27% | 2.243% |

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 61 | 11.098 | 1493 | 1498 | 1504 | rVB3 | 1852309 | 3229041 | 18.94% | 1.751% |
| 62 | 11.281 | 1525 | 1529 | 1531 | rVV  | 2497546 | 2238461 | 13.13% | 1.214% |
| 63 | 11.304 | 1531 | 1533 | 1536 | rVB  | 1014616 | 869281  | 5.10%  | 0.471% |
| 64 | 11.428 | 1549 | 1554 | 1556 | rBV  | 853947  | 865823  | 5.08%  | 0.469% |
| 65 | 11.457 | 1556 | 1559 | 1564 | rVV2 | 565650  | 878380  | 5.15%  | 0.476% |

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 66 | 11.704 | 1598 | 1601 | 1604 | rBV  | 2371382 | 1865014 | 10.94% | 1.011% |
| 67 | 11.804 | 1615 | 1618 | 1621 | rVB  | 1507503 | 1267584 | 7.44%  | 0.687% |
| 68 | 11.869 | 1626 | 1629 | 1634 | rBV3 | 310324  | 552576  | 3.24%  | 0.300% |
| 69 | 11.963 | 1639 | 1645 | 1648 | rVV  | 1683618 | 1962422 | 11.51% | 1.064% |
| 70 | 12.110 | 1667 | 1670 | 1673 | rBV  | 1816295 | 1601938 | 9.40%  | 0.868% |

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 71 | 12.157 | 1675 | 1678 | 1684 | rBV3 | 424207  | 659477  | 3.87%  | 0.358% |
| 72 | 12.251 | 1690 | 1694 | 1698 | rBV  | 1324980 | 1308156 | 7.67%  | 0.709% |
| 73 | 12.357 | 1706 | 1712 | 1715 | rBV5 | 453372  | 820295  | 4.81%  | 0.445% |
| 74 | 12.416 | 1715 | 1722 | 1727 | rVB3 | 1440677 | 2580524 | 15.14% | 1.399% |
| 75 | 12.498 | 1732 | 1736 | 1738 | rVV2 | 4430380 | 4914706 | 28.83% | 2.664% |

|    |        |      |      |      |     |         |         |        |        |
|----|--------|------|------|------|-----|---------|---------|--------|--------|
| 76 | 12.522 | 1738 | 1740 | 1746 | rVB | 4534469 | 3959595 | 23.23% | 2.147% |
|----|--------|------|------|------|-----|---------|---------|--------|--------|

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030322\  
 Data File : BF127183.D  
 Acq On : 03 Mar 2022 20:56  
 Operator : CG\JU  
 Sample : N1713-03  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-235

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

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-BF021622.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |          |         |        |
|-----|--------|------|------|------|------|---------|----------|---------|--------|
| 77  | 12.598 | 1750 | 1753 | 1758 | rVB  | 766922  | 718817   | 4.22%   | 0.390% |
| 78  | 12.675 | 1758 | 1766 | 1770 | rBV2 | 2070537 | 3535024  | 20.74%  | 1.916% |
| 79  | 12.875 | 1796 | 1800 | 1801 | rBV  | 824343  | 760086   | 4.46%   | 0.412% |
| 80  | 13.010 | 1817 | 1823 | 1826 | rBV  | 1086172 | 1491632  | 8.75%   | 0.809% |
| 81  | 13.122 | 1839 | 1842 | 1845 | rVB  | 1905320 | 1655174  | 9.71%   | 0.897% |
| 82  | 13.227 | 1855 | 1860 | 1863 | rBV  | 759142  | 888537   | 5.21%   | 0.482% |
| 83  | 13.345 | 1877 | 1880 | 1884 | rBV3 | 407919  | 624413   | 3.66%   | 0.339% |
| 84  | 13.427 | 1884 | 1894 | 1897 | rBV  | 7957813 | 17048344 | 100.00% | 9.242% |
| 85  | 13.522 | 1905 | 1910 | 1912 | rBV  | 596938  | 617392   | 3.62%   | 0.335% |
| 86  | 13.580 | 1914 | 1920 | 1927 | rBV3 | 1367777 | 2301305  | 13.50%  | 1.248% |
| 87  | 13.674 | 1932 | 1936 | 1937 | rBV  | 916760  | 1138744  | 6.68%   | 0.617% |
| 88  | 13.804 | 1955 | 1958 | 1963 | rVB2 | 865956  | 1077821  | 6.32%   | 0.584% |
| 89  | 13.933 | 1969 | 1980 | 1987 | rVV3 | 3788203 | 9301301  | 54.56%  | 5.043% |
| 90  | 14.080 | 1998 | 2005 | 2008 | rBV  | 3122947 | 6364849  | 37.33%  | 3.451% |
| 91  | 14.110 | 2008 | 2010 | 2014 | rVB  | 2197435 | 1798541  | 10.55%  | 0.975% |
| 92  | 14.239 | 2030 | 2032 | 2041 | rVB3 | 776508  | 1122050  | 6.58%   | 0.608% |
| 93  | 14.404 | 2058 | 2060 | 2066 | rVB3 | 374370  | 589439   | 3.46%   | 0.320% |
| 94  | 14.563 | 2085 | 2087 | 2095 | rVB4 | 815807  | 1221616  | 7.17%   | 0.662% |
| 95  | 14.898 | 2140 | 2144 | 2149 | rBV2 | 717435  | 942720   | 5.53%   | 0.511% |
| 96  | 16.345 | 2383 | 2390 | 2406 | rVB  | 790062  | 1629444  | 9.56%   | 0.883% |
| 97  | 16.698 | 2435 | 2450 | 2459 | rBV  | 2062840 | 5906704  | 34.65%  | 3.202% |
| 98  | 16.792 | 2460 | 2466 | 2472 | rVB  | 477338  | 886059   | 5.20%   | 0.480% |
| 99  | 17.362 | 2557 | 2563 | 2570 | rVB2 | 548539  | 1252714  | 7.35%   | 0.679% |
| 100 | 17.709 | 2616 | 2622 | 2635 | rVB5 | 186875  | 569334   | 3.34%   | 0.309% |

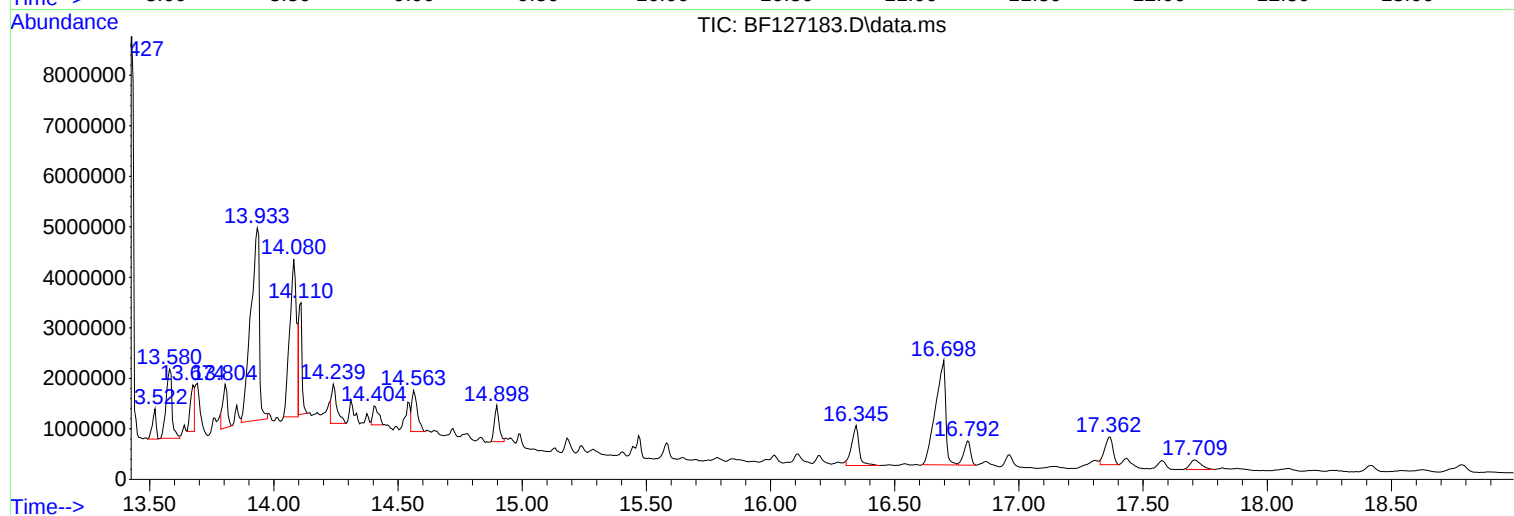
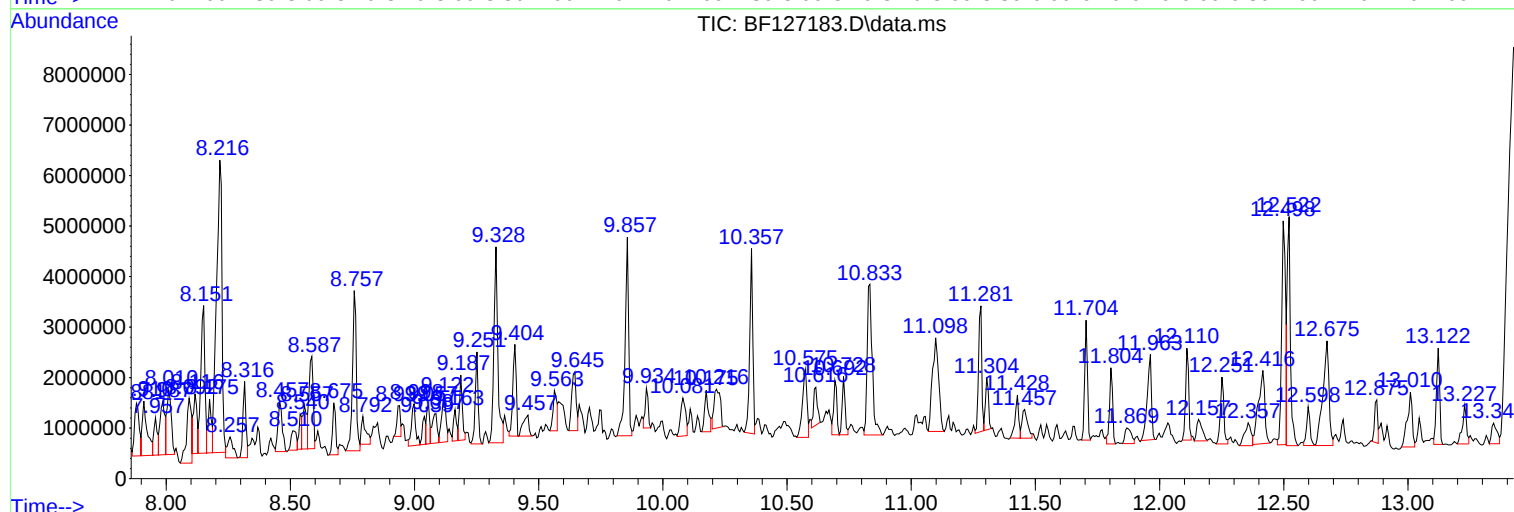
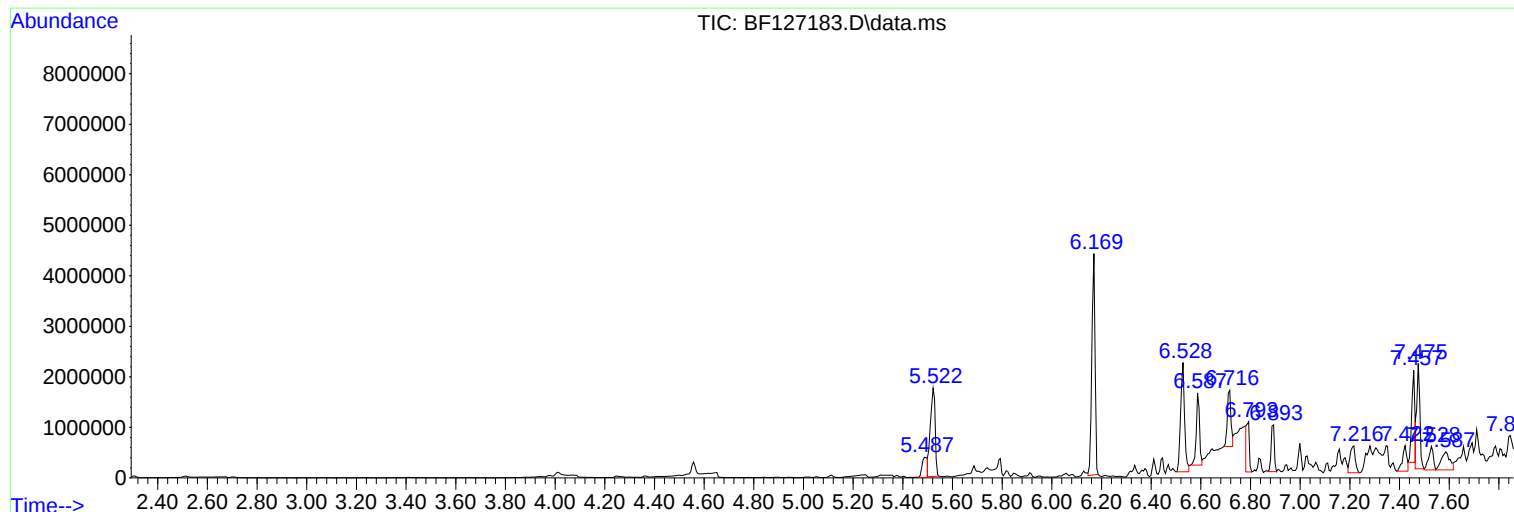
Sum of corrected areas: 184458003

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030322\  
Data File : BF127183.D  
Acq On : 03 Mar 2022 20:56  
Operator : CG\JU  
Sample : N1713-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-235

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030322\  
Data File : BF127183.D  
Acq On : 03 Mar 2022 20:56  
Operator : CG\JU  
Sample : N1713-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-235

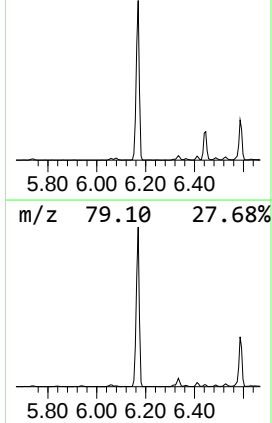
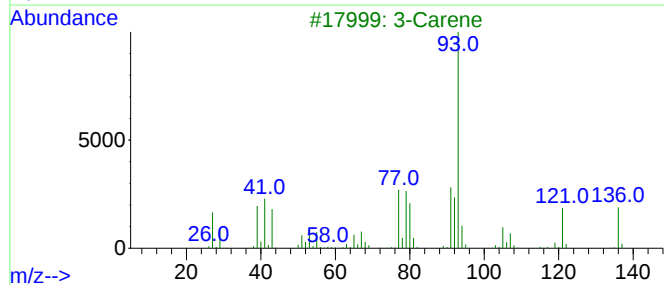
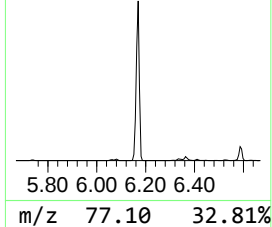
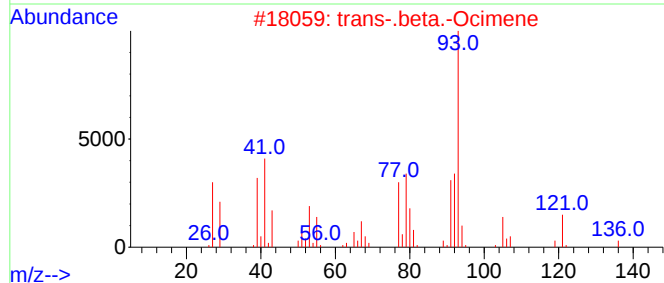
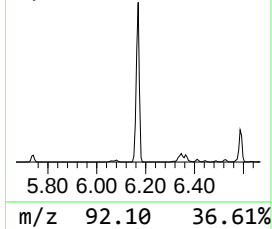
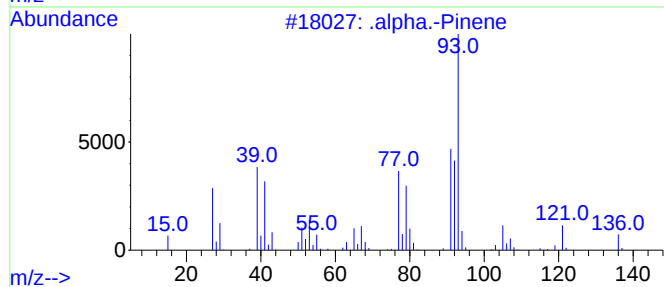
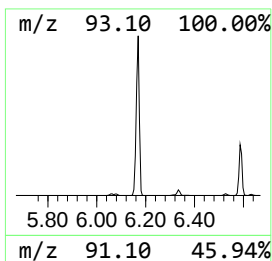
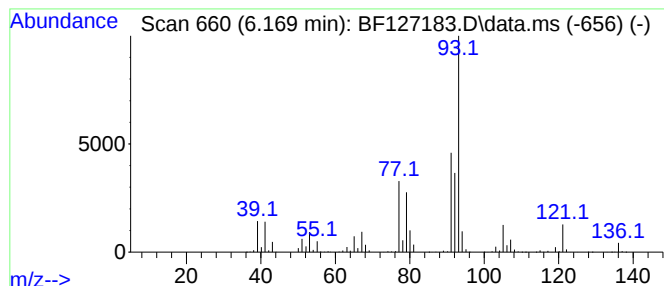
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 .alpha.-Pinene Concentration Rank 6

| R.T.  | EstConc  | Area    | Relative to ISTD       | R.T.  |
|-------|----------|---------|------------------------|-------|
| 6.169 | 95.69 ng | 3841450 | 1,4-Dichlorobenzene-d4 | 6.893 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | .alpha.-Pinene                      | 136 | C10H16  | 000080-56-8 | 95   |
| 2    |      | trans-.beta.-Ocimene                | 136 | C10H16  | 003779-61-1 | 94   |
| 3    |      | 3-Carene                            | 136 | C10H16  | 013466-78-9 | 91   |
| 4    |      | Bicyclo[3.1.1]hept-2-ene, 3,6,6-... | 136 | C10H16  | 004889-83-2 | 91   |
| 5    |      | (+)-3-Carene                        | 136 | C10H16  | 000498-15-7 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030322\  
Data File : BF127183.D  
Acq On : 03 Mar 2022 20:56  
Operator : CG\JU  
Sample : N1713-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-235

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

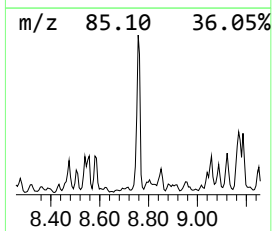
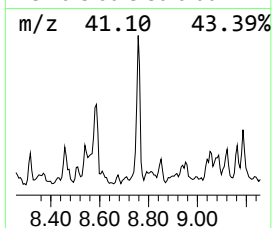
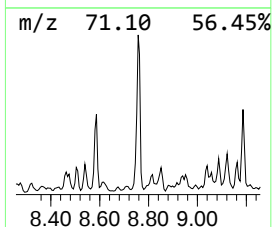
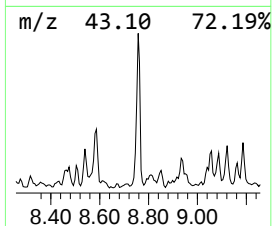
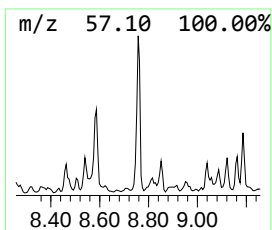
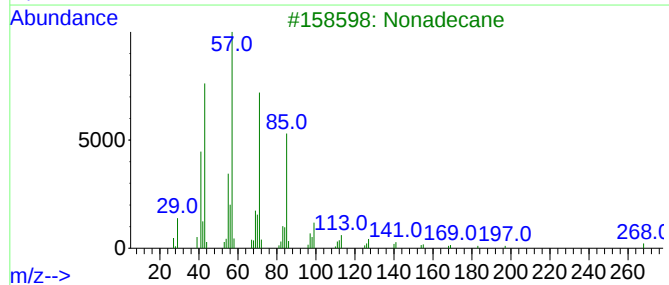
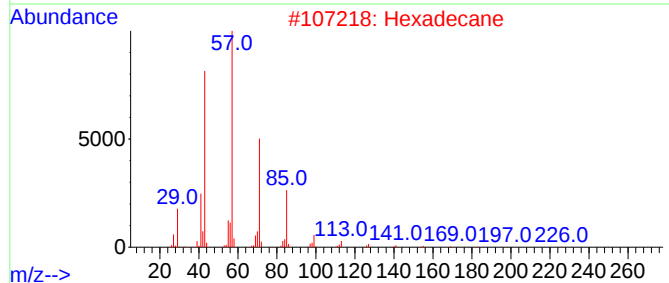
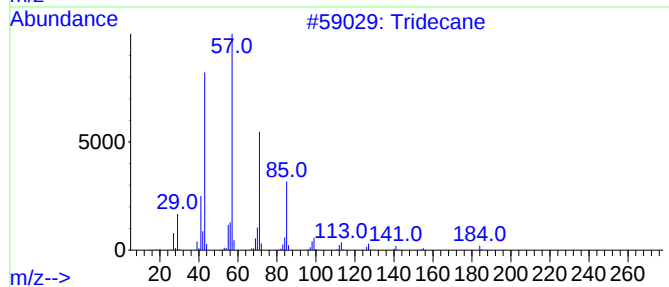
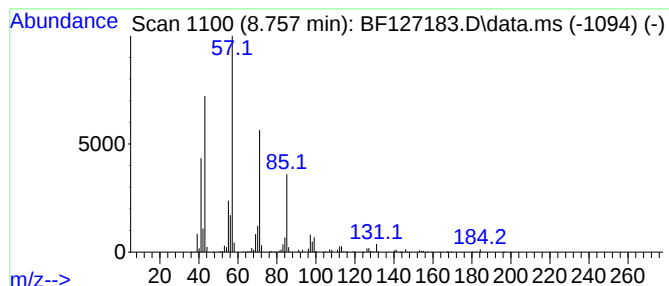
TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 2 Tridecane Concentration Rank 11

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 8.757 | 69.12 ng | 3432530 | Naphthalene-d8   | 8.175 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | Tridecane                | 184 | C13H28  | 000629-50-5 | 90   |
| 2    |    |   | Hexadecane               | 226 | C16H34  | 000544-76-3 | 86   |
| 3    |    |   | Nonadecane               | 268 | C19H40  | 000629-92-5 | 86   |
| 4    |    |   | Tetradecane              | 198 | C14H30  | 000629-59-4 | 86   |
| 5    |    |   | Decane, 2,3,5-trimethyl- | 184 | C13H28  | 062238-11-3 | 78   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030322\  
Data File : BF127183.D  
Acq On : 03 Mar 2022 20:56  
Operator : CG\JU  
Sample : N1713-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-235

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

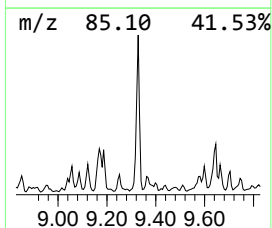
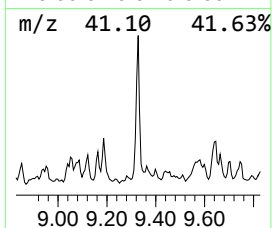
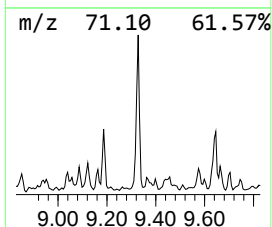
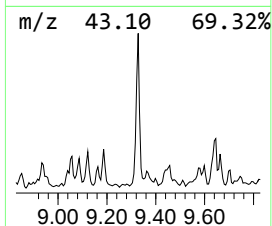
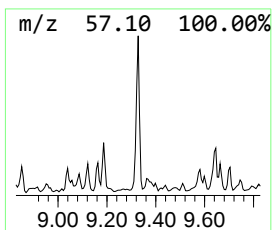
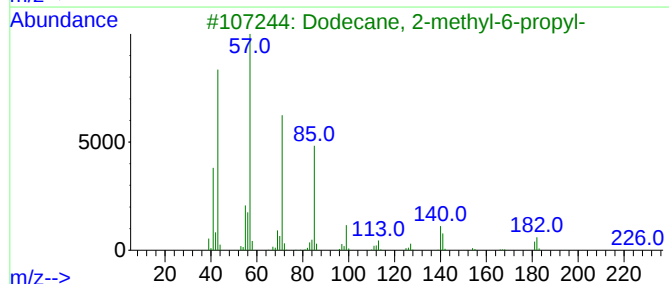
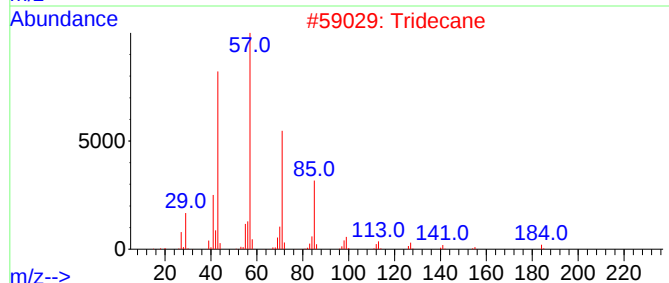
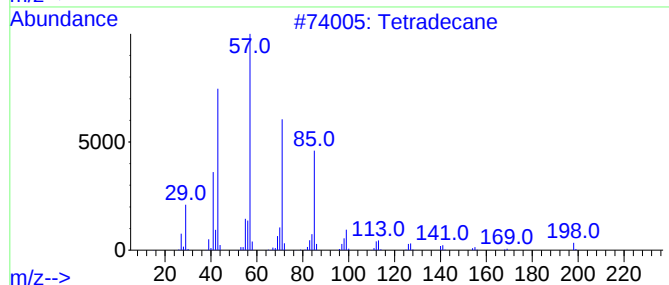
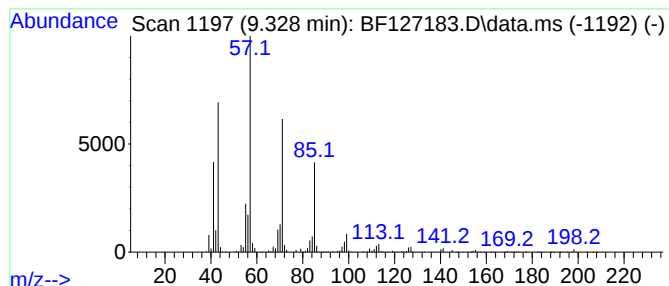
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 3 Tetradecane Concentration Rank 1

| R.T.  | EstConc   | Area    | Relative to ISTD | R.T.  |
|-------|-----------|---------|------------------|-------|
| 9.328 | 137.16 ng | 4284030 | Acenaphthene-d10 | 9.934 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|----|---|------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Tetradecane                        | 198 | C14H30   | 000629-59-4  | 87   |
| 2    |    |   | Tridecane                          | 184 | C13H28   | 000629-50-5  | 86   |
| 3    |    |   | Dodecane, 2-methyl-6-propyl-       | 226 | C16H34   | 055045-08-4  | 86   |
| 4    |    |   | Carbonic acid, eicosyl vinyl ester | 368 | C23H44O3 | 1000382-54-3 | 80   |
| 5    |    |   | Hexadecane                         | 226 | C16H34   | 000544-76-3  | 80   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030322\  
Data File : BF127183.D  
Acq On : 03 Mar 2022 20:56  
Operator : CG\JU  
Sample : N1713-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-235

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

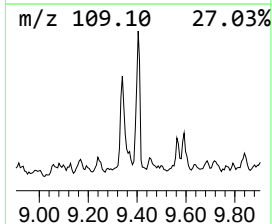
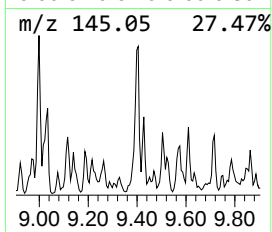
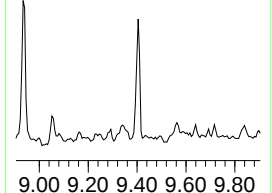
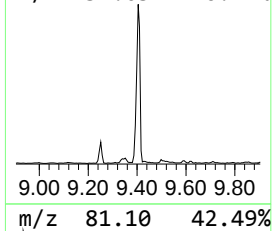
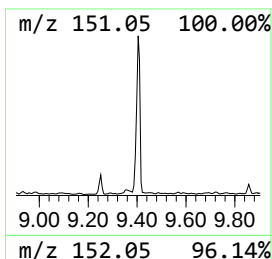
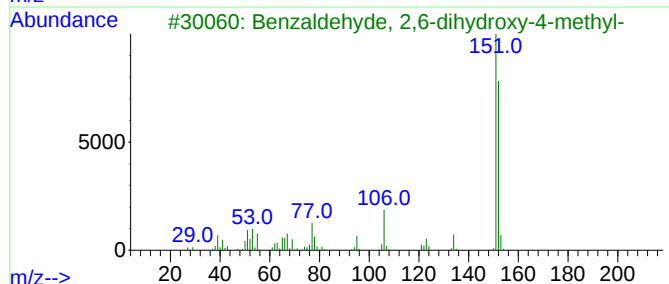
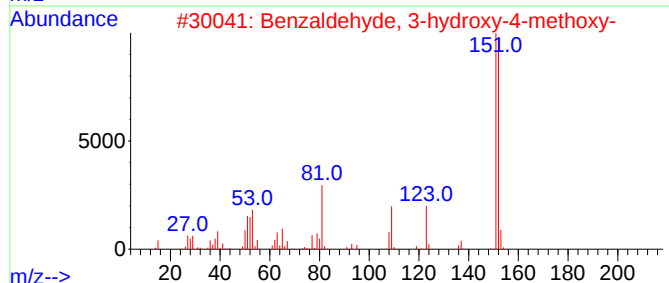
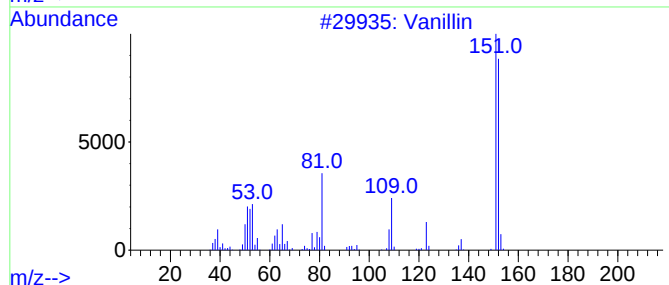
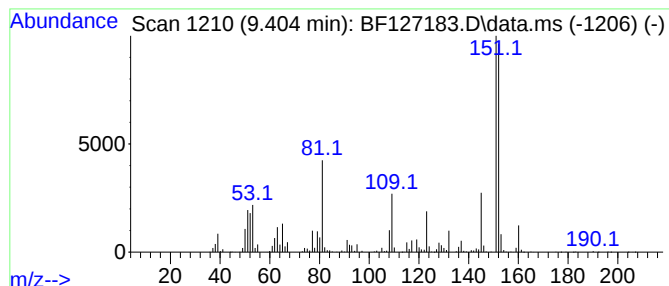
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 4 Vanillin Concentration Rank 13

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 9.404 | 55.39 ng | 1730090 | Acenaphthene-d10 | 9.934 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Vanillin                            | 152 | C8H8O3  | 000121-33-5  | 97   |
| 2    |    |   | Benzaldehyde, 3-hydroxy-4-methoxy-  | 152 | C8H8O3  | 000621-59-0  | 96   |
| 3    |    |   | Benzaldehyde, 2,6-dihydroxy-4-me... | 152 | C8H8O3  | 000526-37-4  | 53   |
| 4    |    |   | 3-Methoxy-4-hydroxy mandelonitrile  | 179 | C9H9NO3 | 1000425-21-5 | 53   |
| 5    |    |   | Benzaldehyde, 2-hydroxy-4-methoxy-  | 152 | C8H8O3  | 000673-22-3  | 52   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030322\  
Data File : BF127183.D  
Acq On : 03 Mar 2022 20:56  
Operator : CG\JU  
Sample : N1713-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-235

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

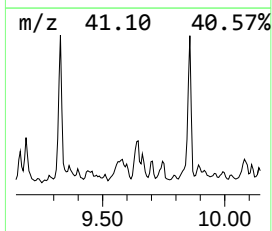
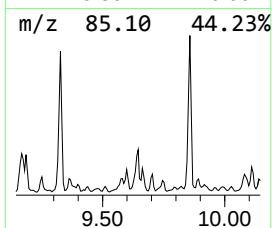
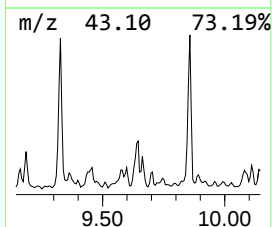
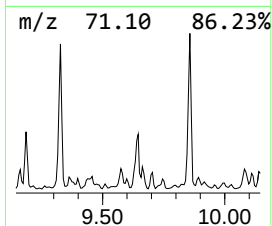
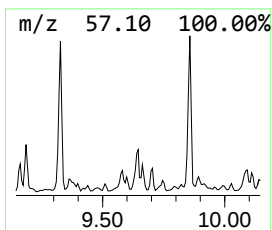
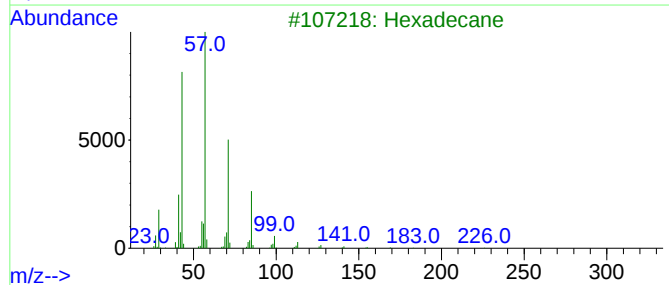
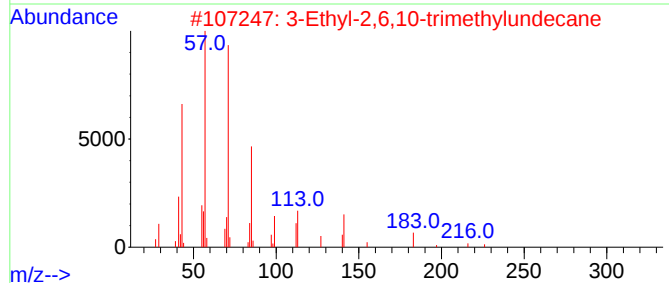
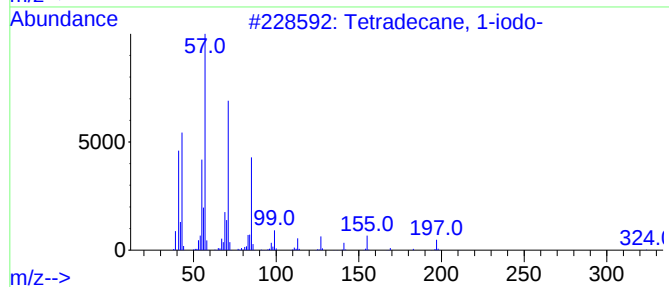
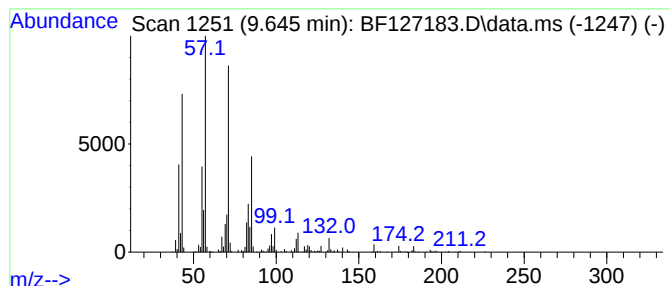
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 5 Tetradecane, 1-iodo- Concentration Rank 17

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 9.645 | 46.66 ng | 1457490 | Acenaphthene-d10 | 9.934 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#         | Qual |
|------|----|---|----------------------------------|-----|---------|--------------|------|
| 1    |    |   | Tetradecane, 1-iodo-             | 324 | C14H29I | 019218-94-1  | 80   |
| 2    |    |   | 3-Ethyl-2,6,10-trimethylundecane | 226 | C16H34  | 1000432-25-9 | 80   |
| 3    |    |   | Hexadecane                       | 226 | C16H34  | 000544-76-3  | 76   |
| 4    |    |   | Nonadecane                       | 268 | C19H40  | 000629-92-5  | 72   |
| 5    |    |   | Pentadecane, 7-methyl-           | 226 | C16H34  | 006165-40-8  | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030322\  
Data File : BF127183.D  
Acq On : 03 Mar 2022 20:56  
Operator : CG\JU  
Sample : N1713-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-235

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

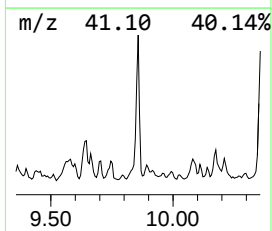
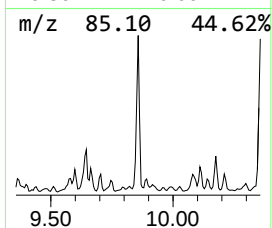
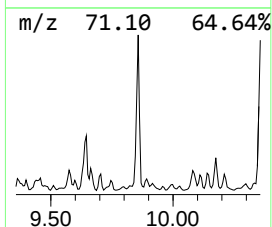
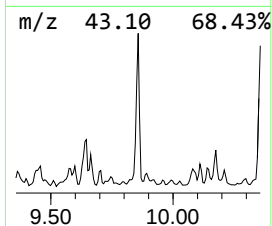
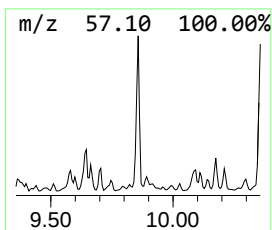
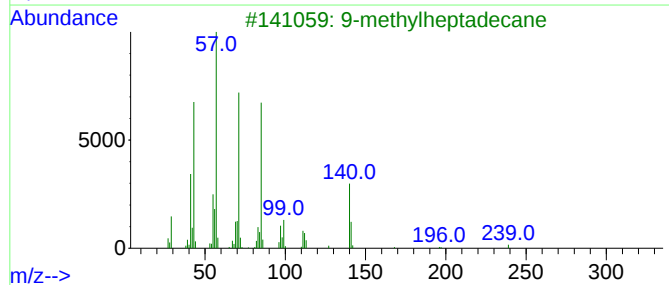
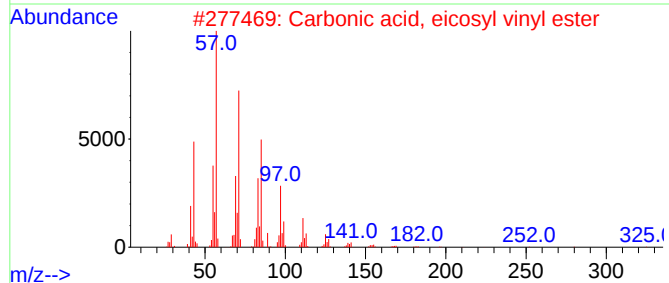
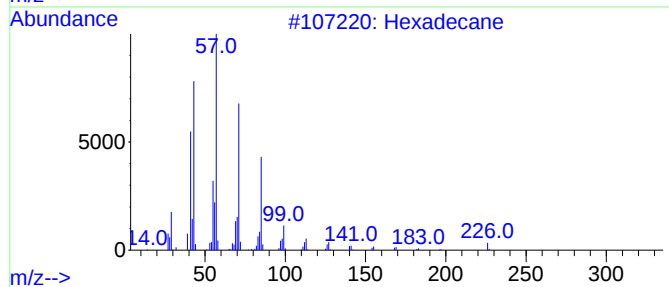
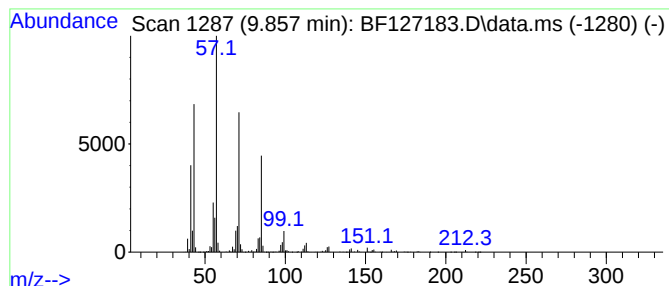
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 6 Hexadecane Concentration Rank 2

| R.T.  | EstConc   | Area    | Relative to ISTD | R.T.  |
|-------|-----------|---------|------------------|-------|
| 9.857 | 125.93 ng | 3933220 | Acenaphthene-d10 | 9.934 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|----|---|------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Hexadecane                         | 226 | C16H34   | 000544-76-3  | 90   |
| 2    |    |   | Carbonic acid, eicosyl vinyl ester | 368 | C23H44O3 | 1000382-54-3 | 87   |
| 3    |    |   | 9-methylheptadecane                | 254 | C18H38   | 026741-18-4  | 86   |
| 4    |    |   | Tetradecane                        | 198 | C14H30   | 000629-59-4  | 86   |
| 5    |    |   | Nonadecane                         | 268 | C19H40   | 000629-92-5  | 86   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030322\  
Data File : BF127183.D  
Acq On : 03 Mar 2022 20:56  
Operator : CG\JU  
Sample : N1713-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-235

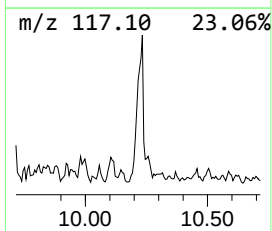
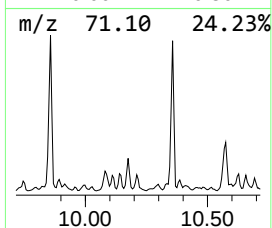
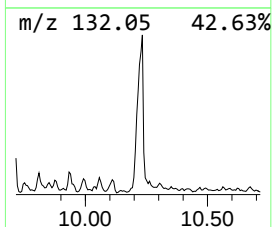
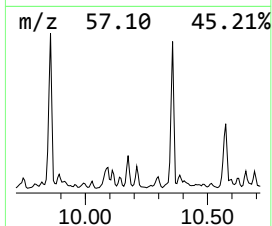
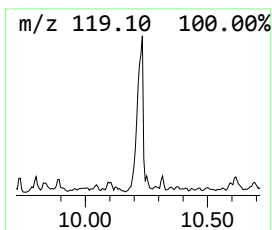
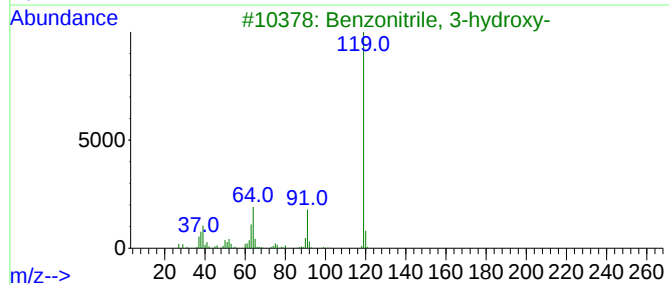
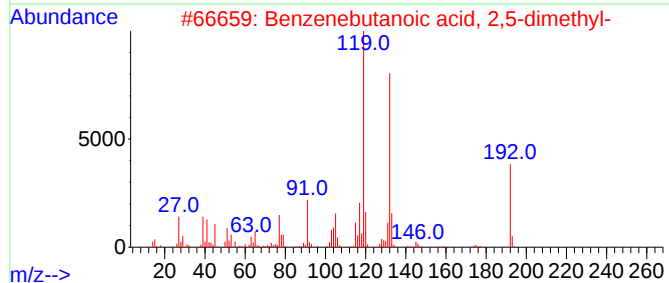
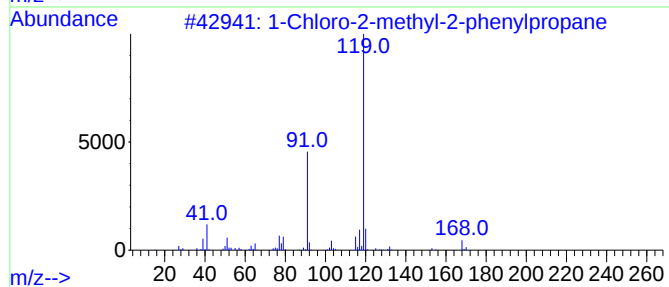
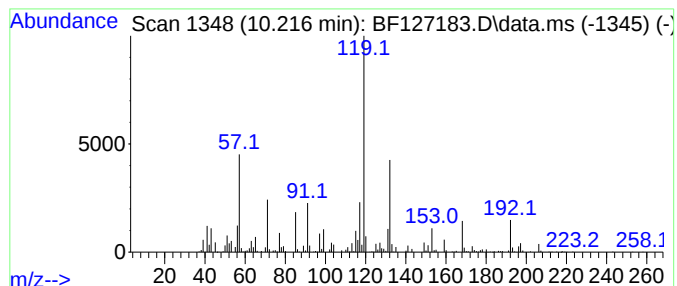
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 unknown10.216 Concentration Rank 19

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.  |
|--------|----------|---------|------------------|-------|
| 10.216 | 43.20 ng | 1349180 | Acenaphthene-d10 | 9.934 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 1-Chloro-2-methyl-2-phenylpropane   | 168 | C10H13Cl | 000515-40-2 | 35   |
| 2    |    |   | Benzenebutanoic acid, 2,5-dimethyl- | 192 | C12H16O2 | 001453-06-1 | 30   |
| 3    |    |   | Benzonitrile, 3-hydroxy-            | 119 | C7H5NO   | 000873-62-1 | 30   |
| 4    |    |   | Ethyl (4-methylbenzoyl)acetate      | 206 | C12H14O3 | 027835-00-3 | 30   |
| 5    |    |   | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14   | 000535-77-3 | 30   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030322\  
Data File : BF127183.D  
Acq On : 03 Mar 2022 20:56  
Operator : CG\JU  
Sample : N1713-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-235

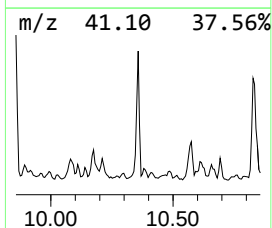
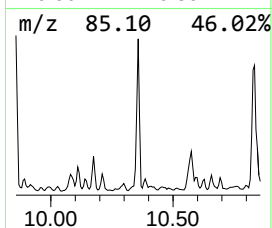
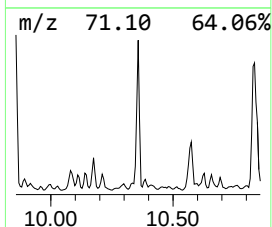
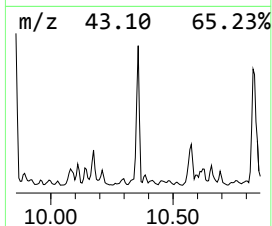
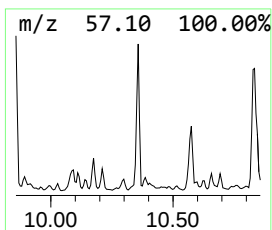
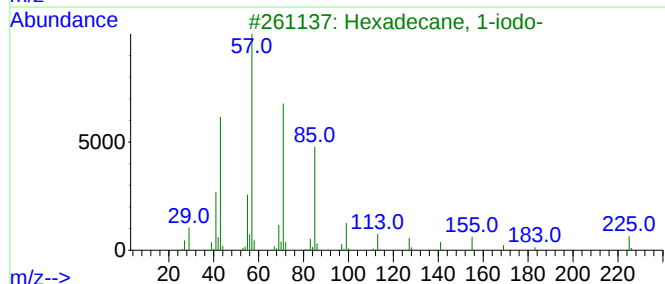
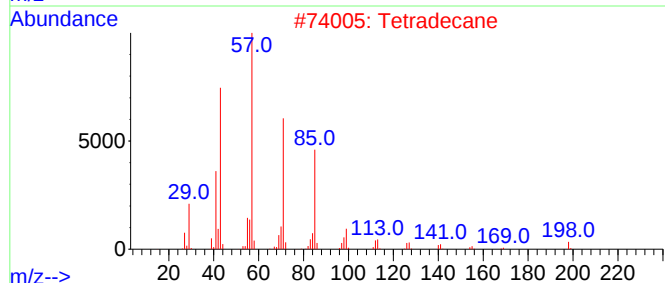
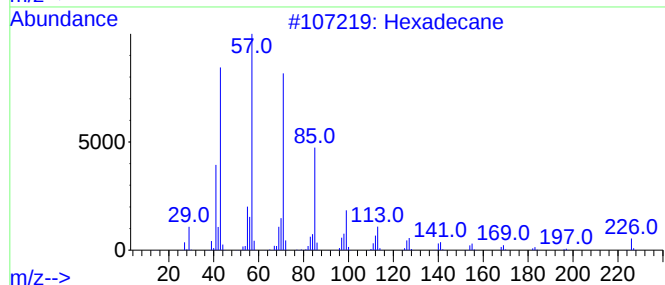
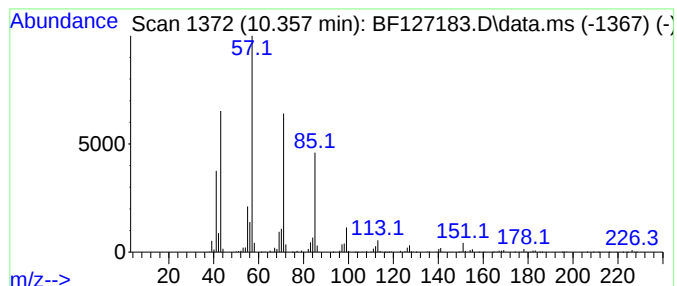
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Hexadecane, 1-iodo- Concentration Rank 5

| R.T.   | EstConc   | Area    | Relative to ISTD | R.T.  |
|--------|-----------|---------|------------------|-------|
| 10.357 | 100.38 ng | 3135220 | Acenaphthene-d10 | 9.934 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Hexadecane                   | 226 | C16H34  | 000544-76-3 | 94   |
| 2    |    |   | Tetradecane                  | 198 | C14H30  | 000629-59-4 | 86   |
| 3    |    |   | Hexadecane, 1-iodo-          | 352 | C16H33I | 000544-77-4 | 86   |
| 4    |    |   | Pentadecane, 7-methyl-       | 226 | C16H34  | 006165-40-8 | 81   |
| 5    |    |   | Dodecane, 2-methyl-6-propyl- | 226 | C16H34  | 055045-08-4 | 80   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030322\  
Data File : BF127183.D  
Acq On : 03 Mar 2022 20:56  
Operator : CG\JU  
Sample : N1713-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-235

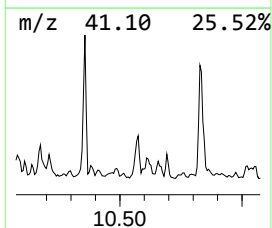
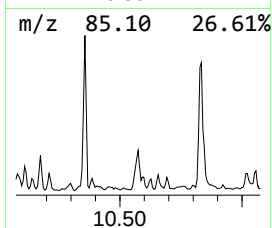
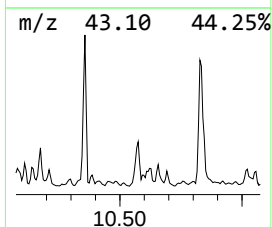
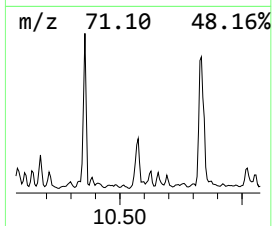
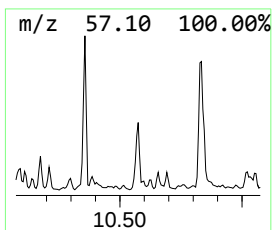
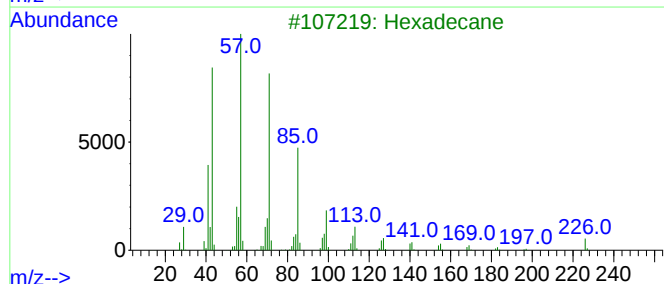
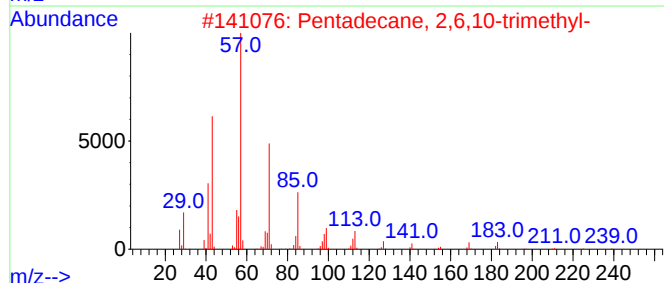
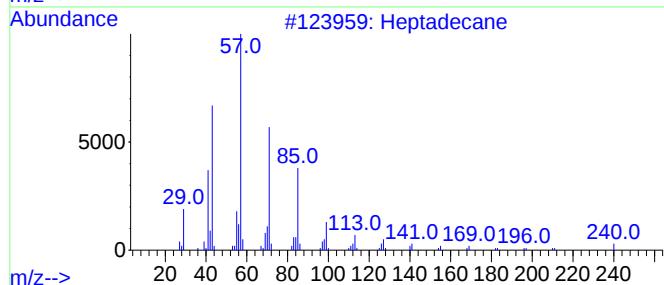
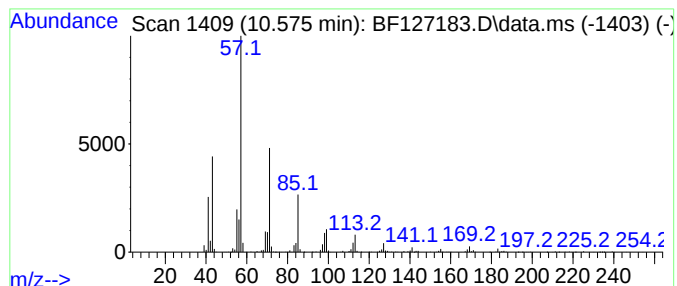
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 9 Heptadecane Concentration Rank 14

| R.T.      | EstConc                             | Area    | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|---------|------------------|-------------|------|
| 10.575    | 55.21 ng                            | 1724500 | Acenaphthene-d10 | 9.934       |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm          | CAS#        | Qual |
| 1         | Heptadecane                         | 240     | C17H36           | 000629-78-7 | 90   |
| 2         | Pentadecane, 2,6,10-trimethyl-      | 254     | C18H38           | 003892-00-0 | 90   |
| 3         | Hexadecane                          | 226     | C16H34           | 000544-76-3 | 86   |
| 4         | Heptadecane, 2,6,10,15-tetramethyl- | 296     | C21H44           | 054833-48-6 | 83   |
| 5         | Heneicosane                         | 296     | C21H44           | 000629-94-7 | 80   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030322\  
Data File : BF127183.D  
Acq On : 03 Mar 2022 20:56  
Operator : CG\JU  
Sample : N1713-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

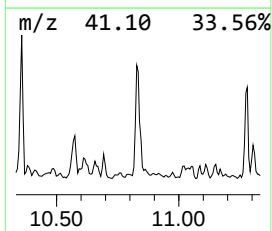
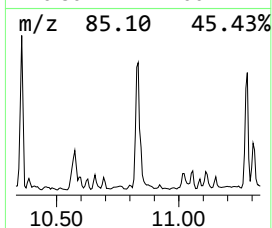
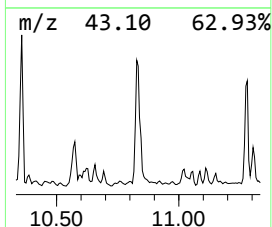
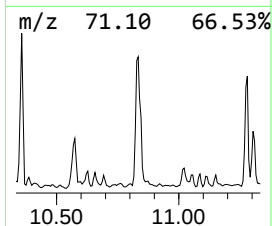
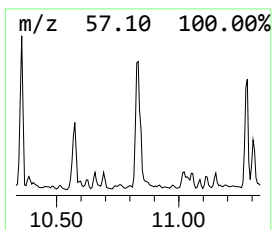
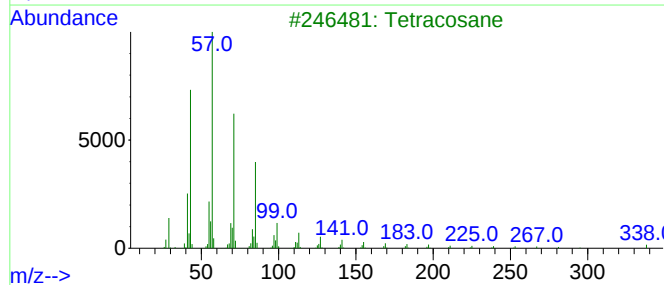
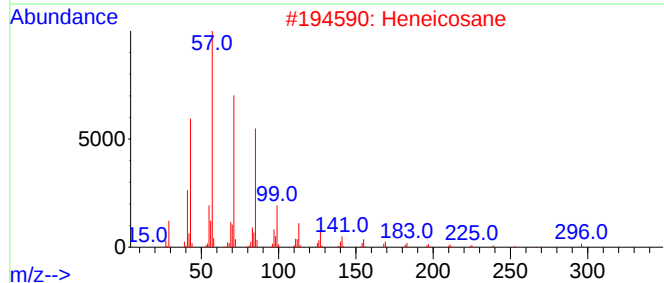
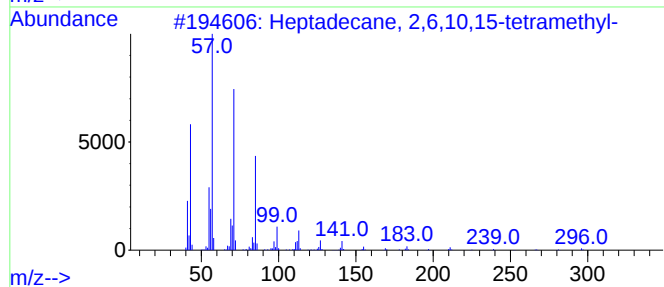
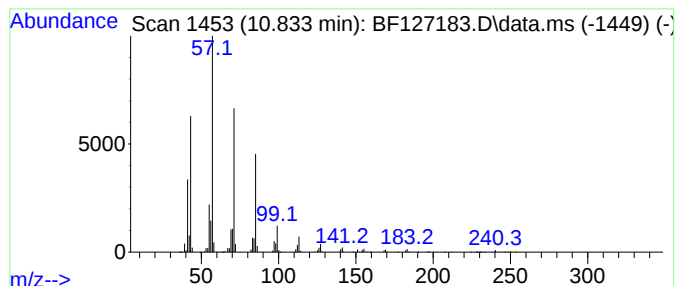
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-235

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Heptadecane, 2,6,10,15-tetr... Concentration Rank 7

| R.T.      | EstConc                             | Area    | Relative to ISTD |         | R.T.        |      |
|-----------|-------------------------------------|---------|------------------|---------|-------------|------|
| 10.834    | 95.59 ng                            | 4138300 | Phenanthrene-d10 |         | 11.428      |      |
| Hit# of 5 | Tentative ID                        |         | MW               | MolForm | CAS#        | Qual |
| 1         | Heptadecane, 2,6,10,15-tetramethyl- |         | 296              | C21H44  | 054833-48-6 | 91   |
| 2         | Heneicosane                         |         | 296              | C21H44  | 000629-94-7 | 90   |
| 3         | Tetracosane                         |         | 338              | C24H50  | 000646-31-1 | 90   |
| 4         | Hexadecane                          |         | 226              | C16H34  | 000544-76-3 | 90   |
| 5         | Heptadecane                         |         | 240              | C17H36  | 000629-78-7 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030322\  
Data File : BF127183.D  
Acq On : 03 Mar 2022 20:56  
Operator : CG\JU  
Sample : N1713-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-235

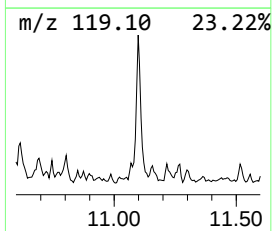
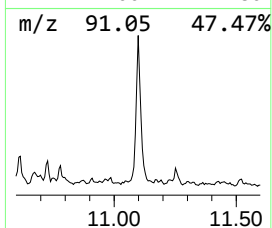
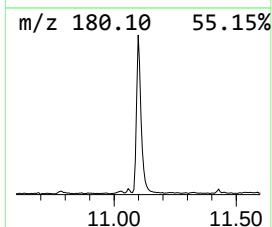
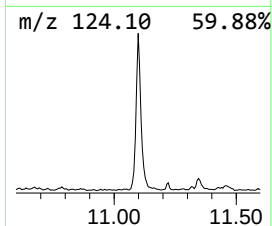
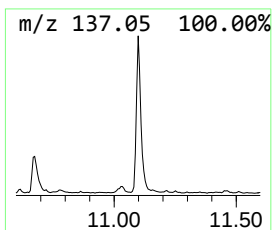
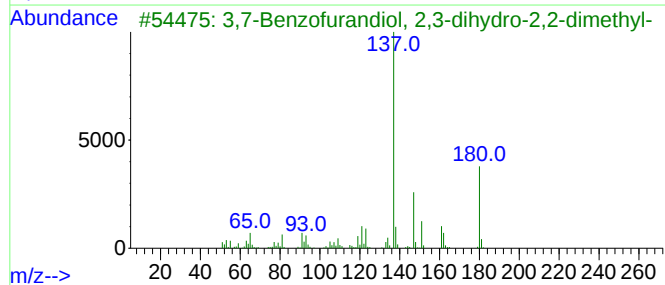
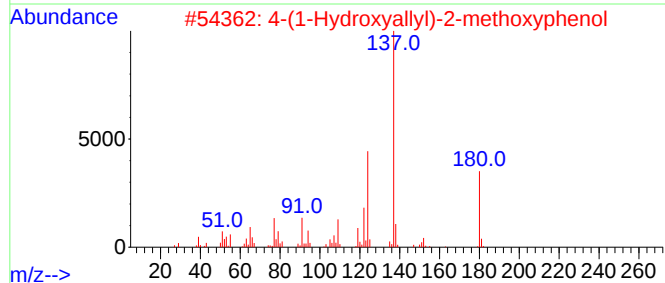
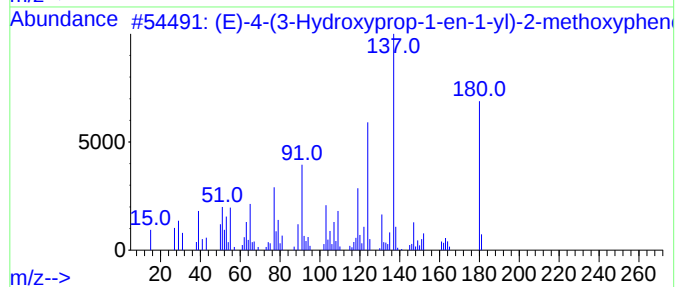
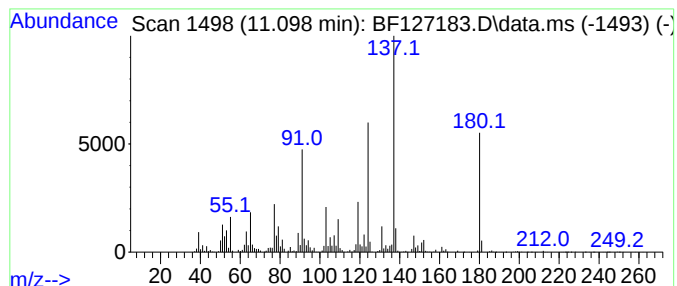
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 11 (E)-4-(3-Hydroxyprop-1-en-1-yl) Concentration Rank 10

| R.T.      | EstConc                             | Area    | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|---------|------------------|--------------|------|
| 11.098    | 74.59 ng                            | 3229040 | Phenanthrene-d10 | 11.428       |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm          | CAS#         | Qual |
| 1         | (E)-4-(3-Hydroxyprop-1-en-1-yl)-... | 180     | C10H12O3         | 032811-40-8  | 96   |
| 2         | 4-(1-Hydroxyallyl)-2-methoxyphenol  | 180     | C10H12O3         | 112465-50-6  | 64   |
| 3         | 3,7-Benzofurandiol, 2,3-dihydro-... | 180     | C10H12O3         | 017781-15-6  | 49   |
| 4         | 6-Methylnicotinic acid              | 137     | C7H7NO2          | 003222-47-7  | 38   |
| 5         | (+)-s-2-Phenethanamine, 1-methyl... | 271     | C17H21NO2        | 1000127-89-6 | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030322\  
Data File : BF127183.D  
Acq On : 03 Mar 2022 20:56  
Operator : CG\JU  
Sample : N1713-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-235

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

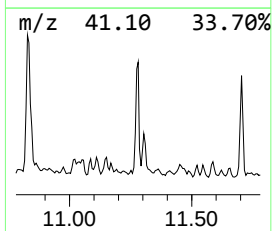
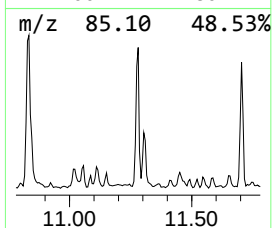
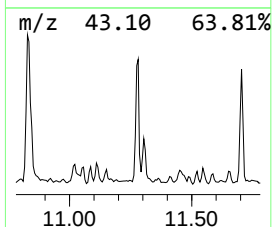
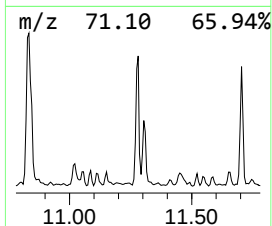
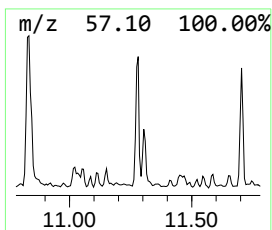
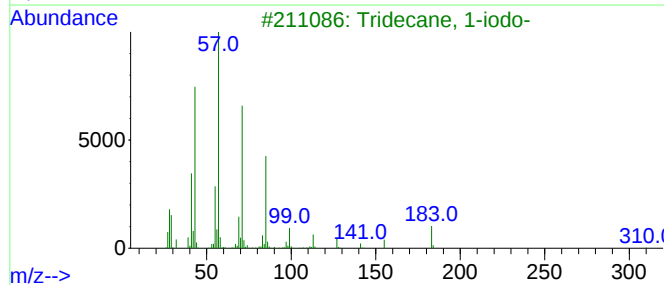
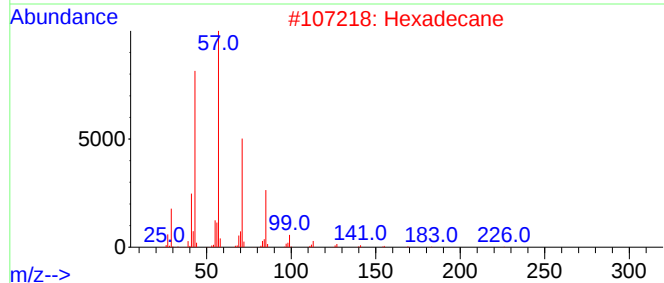
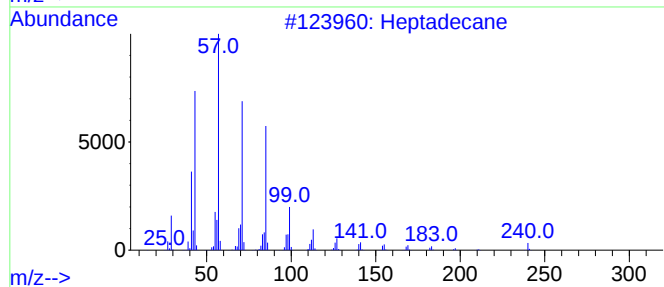
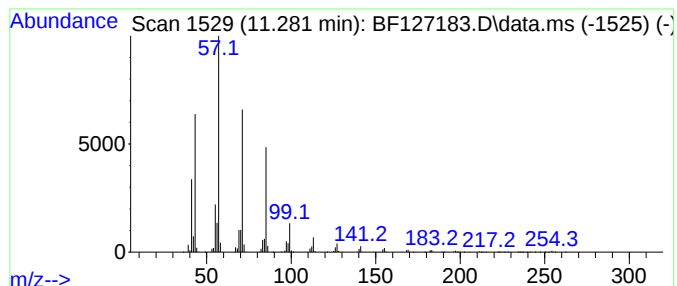
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 12 Tridecane, 1-iodo- Concentration Rank 16

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 11.281 | 51.71 ng | 2238460 | Phenanthrene-d10 | 11.428 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Heptadecane          | 240 | C17H36  | 000629-78-7 | 91   |
| 2    |    |   | Hexadecane           | 226 | C16H34  | 000544-76-3 | 90   |
| 3    |    |   | Tridecane, 1-iodo-   | 310 | C13H27I | 035599-77-0 | 90   |
| 4    |    |   | Tetradecane, 1-iodo- | 324 | C14H29I | 019218-94-1 | 86   |
| 5    |    |   | Hexadecane, 1-iodo-  | 352 | C16H33I | 000544-77-4 | 86   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030322\  
Data File : BF127183.D  
Acq On : 03 Mar 2022 20:56  
Operator : CG\JU  
Sample : N1713-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-235

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

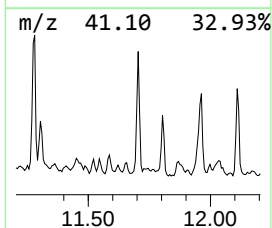
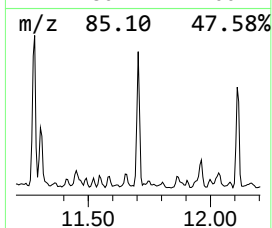
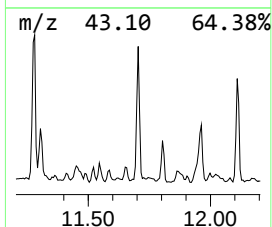
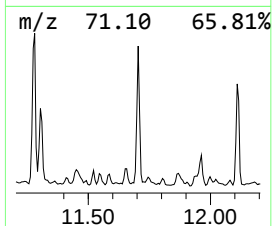
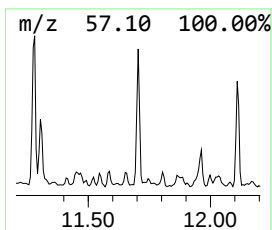
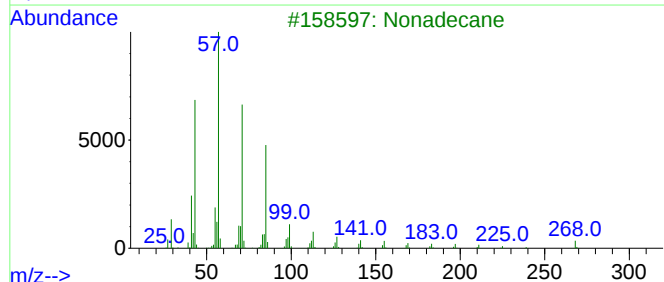
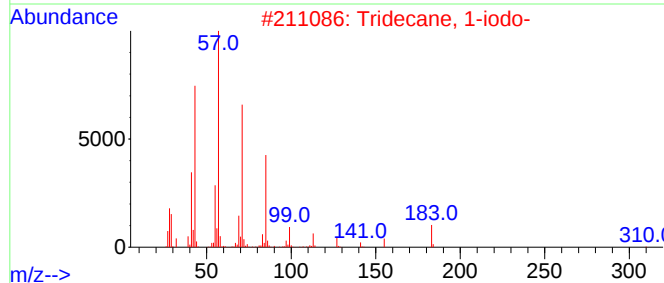
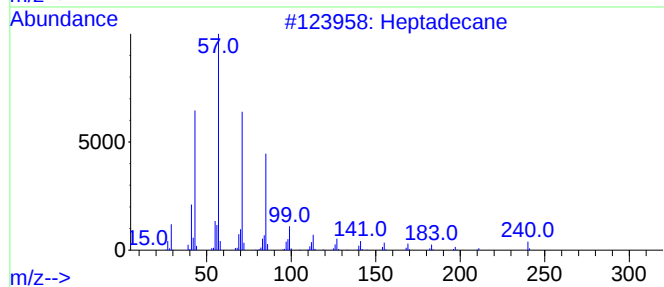
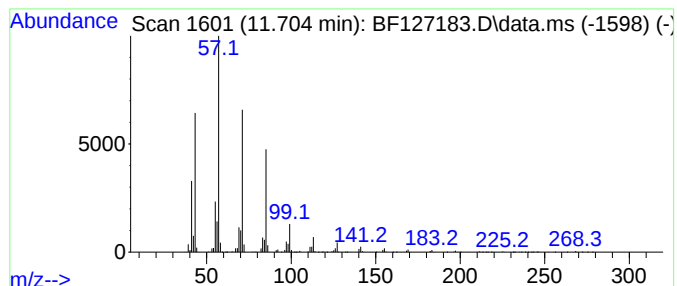
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 13 Nonadecane Concentration Rank 20

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 11.704 | 43.08 ng | 1865010 | Phenanthrene-d10 | 11.428 |

| Hit# | of | 5 | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------|-----|---------|-------------|------|
| 1    |    |   | Heptadecane        | 240 | C17H36  | 000629-78-7 | 91   |
| 2    |    |   | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 91   |
| 3    |    |   | Nonadecane         | 268 | C19H40  | 000629-92-5 | 91   |
| 4    |    |   | Tetracosane        | 338 | C24H50  | 000646-31-1 | 91   |
| 5    |    |   | Heneicosane        | 296 | C21H44  | 000629-94-7 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030322\  
Data File : BF127183.D  
Acq On : 03 Mar 2022 20:56  
Operator : CG\JU  
Sample : N1713-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-235

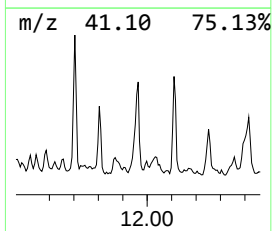
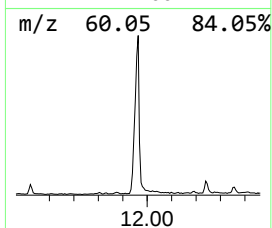
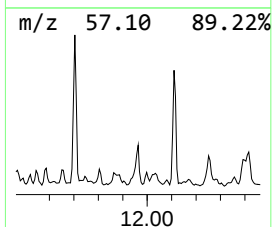
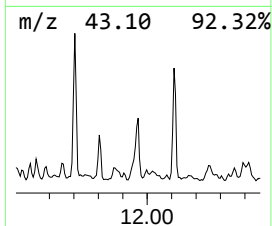
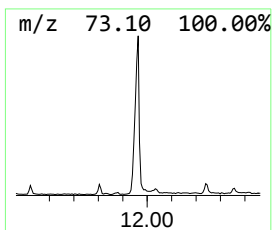
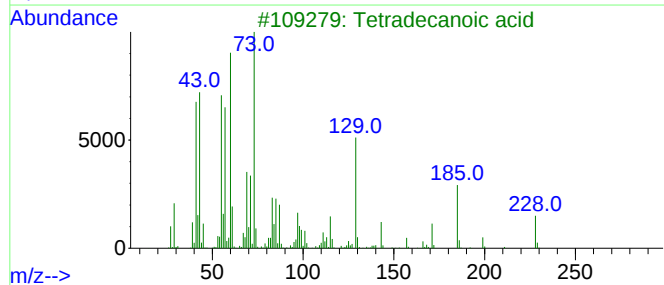
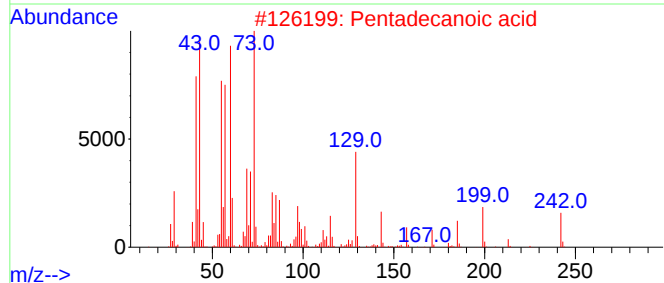
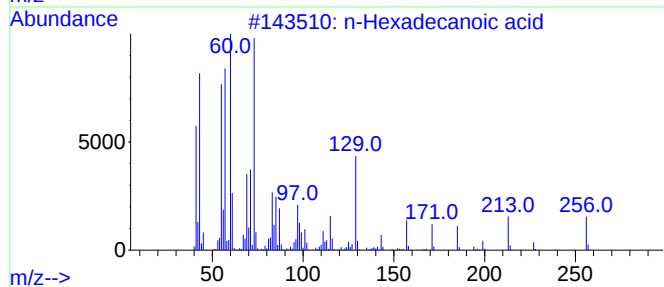
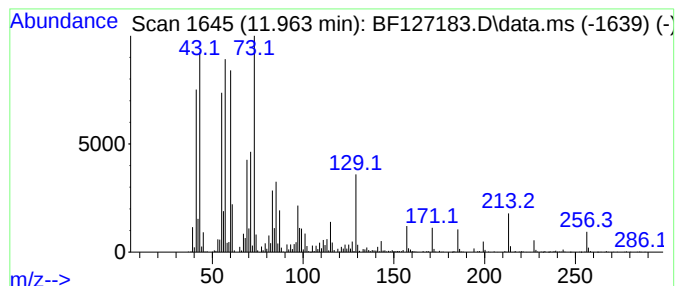
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 14 n-Hexadecanoic acid Concentration Rank 18

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 11.963 | 45.33 ng | 1962420 | Phenanthrene-d10 | 11.428 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-----------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid   | 256 | C16H32O2 | 000057-10-3 | 98   |
| 2    |    |   | Pentadecanoic acid    | 242 | C15H30O2 | 001002-84-2 | 87   |
| 3    |    |   | Tetradecanoic acid    | 228 | C14H28O2 | 000544-63-8 | 80   |
| 4    |    |   | Tridecanoic acid      | 214 | C13H26O2 | 000638-53-9 | 72   |
| 5    |    |   | 8-Methylnonanoic acid | 172 | C10H20O2 | 005963-14-4 | 60   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030322\  
Data File : BF127183.D  
Acq On : 03 Mar 2022 20:56  
Operator : CG\JU  
Sample : N1713-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-235

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

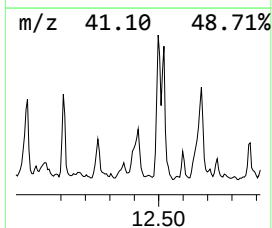
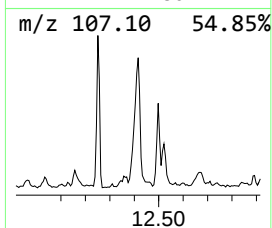
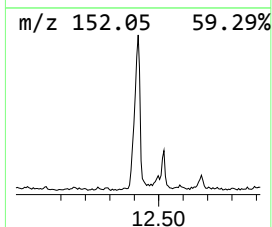
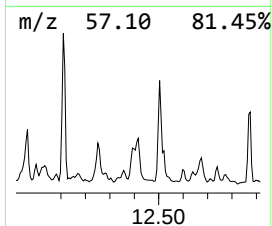
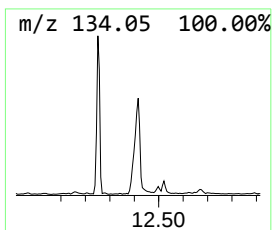
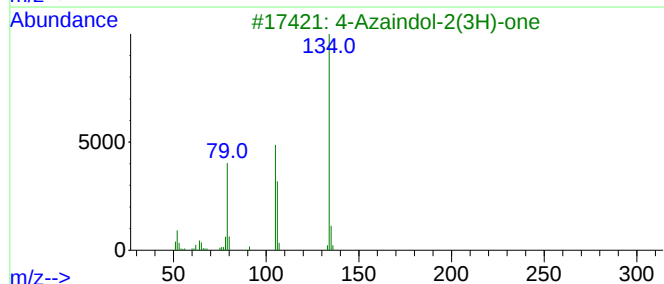
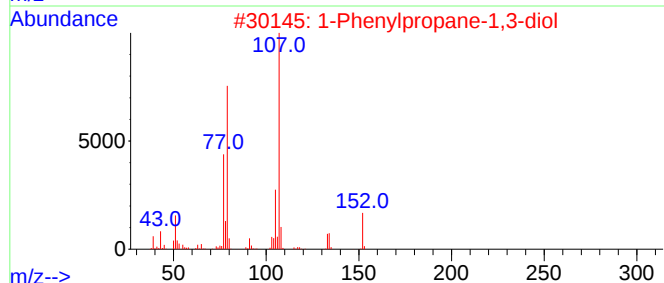
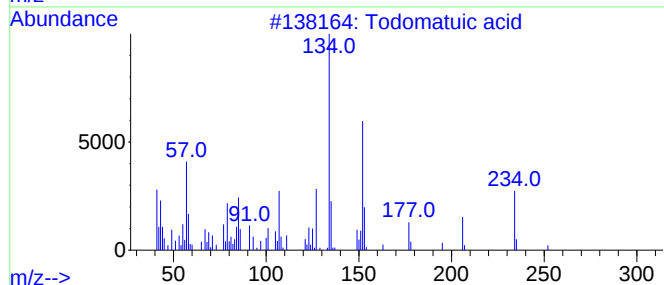
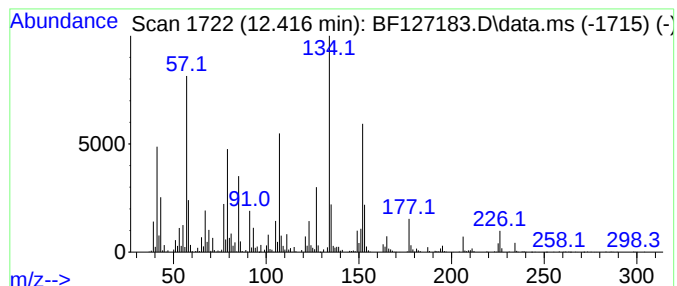
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 15 Todomatuic acid Concentration Rank 12

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 12.416 | 59.61 ng | 2580520 | Phenanthrene-d10 | 11.428 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|----------|-------------|------|
| 1    |    |   | Todomatuic acid                   | 252 | C15H24O3 | 017844-07-4 | 64   |
| 2    |    |   | 1-Phenylpropane-1,3-diol          | 152 | C9H12O2  | 004850-49-1 | 38   |
| 3    |    |   | 4-Azaindol-2(3H)-one              | 134 | C7H6N2O  | 032501-05-6 | 38   |
| 4    |    |   | 2-Benzoxazoline                   | 134 | C7H6N2O  | 004570-41-6 | 27   |
| 5    |    |   | Acetic acid, adamantan-2-yl ester | 194 | C12H18O2 | 019066-22-9 | 22   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030322\  
Data File : BF127183.D  
Acq On : 03 Mar 2022 20:56  
Operator : CG\JU  
Sample : N1713-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-235

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

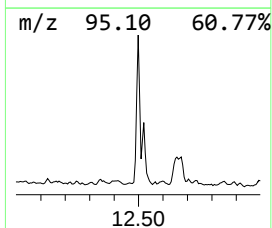
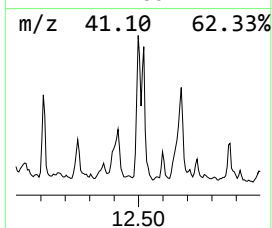
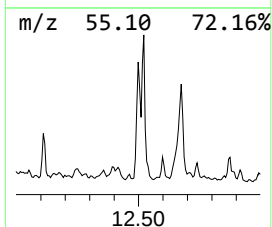
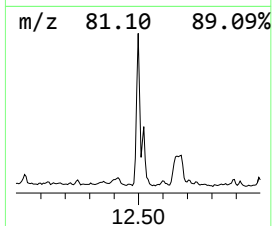
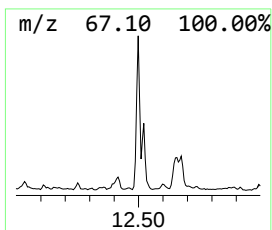
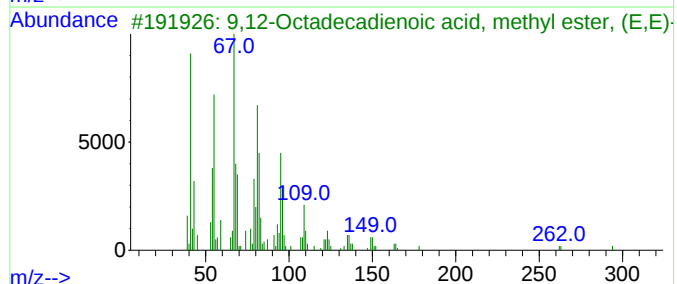
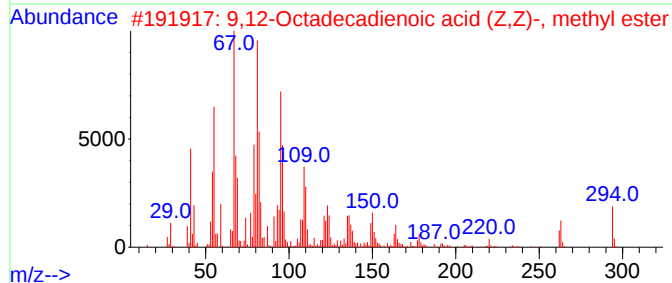
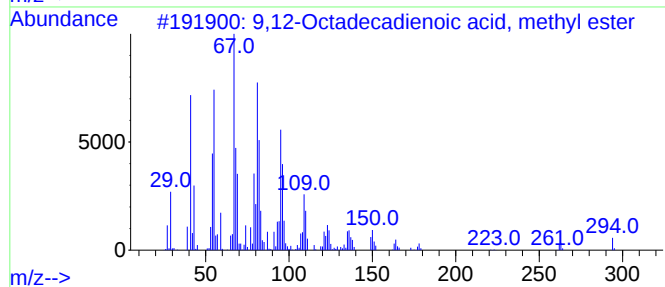
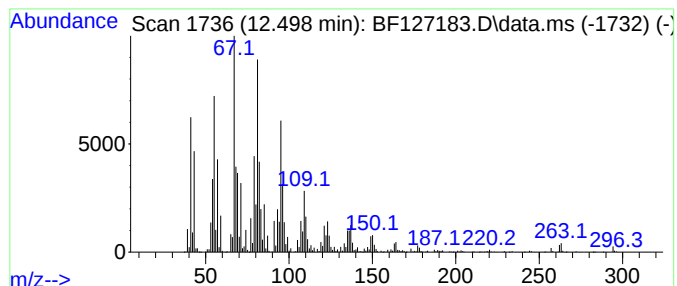
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 16 9,12-Octadecadienoic acid, ... Concentration Rank 4

| R.T.   | EstConc   | Area    | Relative to ISTD | R.T.   |
|--------|-----------|---------|------------------|--------|
| 12.498 | 113.53 ng | 4914710 | Phenanthrene-d10 | 11.428 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2     | 002462-85-3  | 99      |      |      |
| 2    | 9,12-Octadecadienoic acid (Z,Z)-... | 294 | C19H34O2     | 000112-63-0  | 99      |      |      |
| 3    | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2     | 002566-97-4  | 98      |      |      |
| 4    | Methyl 10-trans,12-cis-octadecad... | 294 | C19H34O2     | 1000336-44-2 | 96      |      |      |
| 5    | 10,13-Octadecadienoic acid, meth... | 294 | C19H34O2     | 056554-62-2  | 96      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030322\  
Data File : BF127183.D  
Acq On : 03 Mar 2022 20:56  
Operator : CG\JU  
Sample : N1713-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-235

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

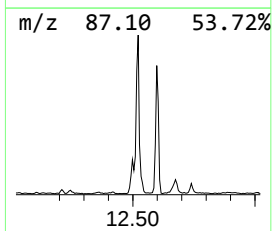
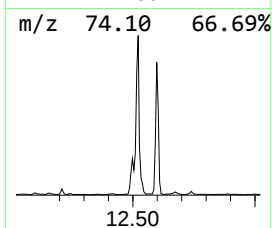
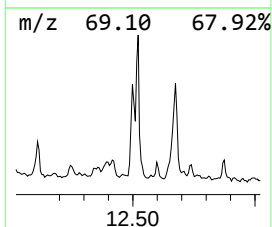
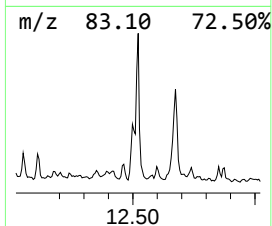
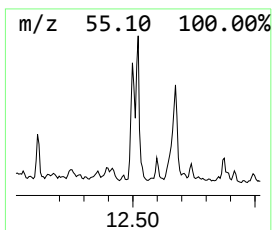
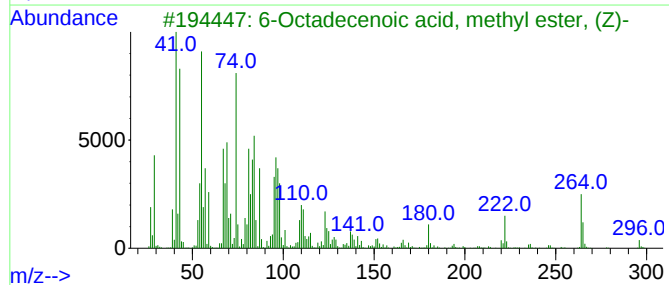
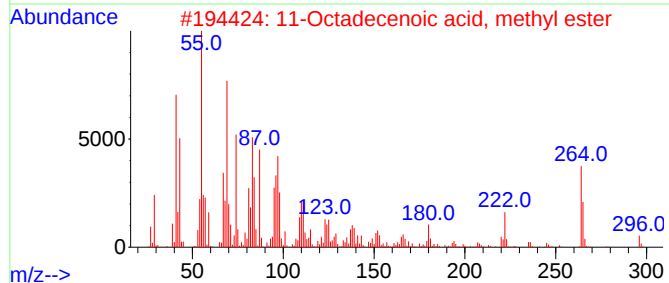
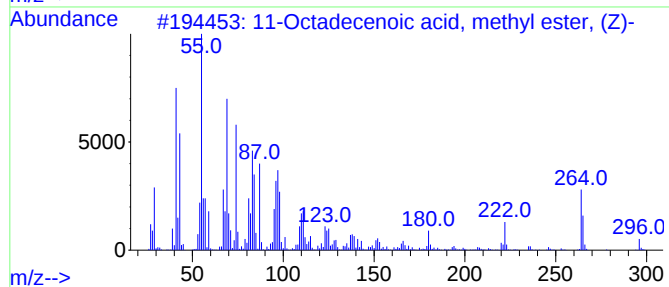
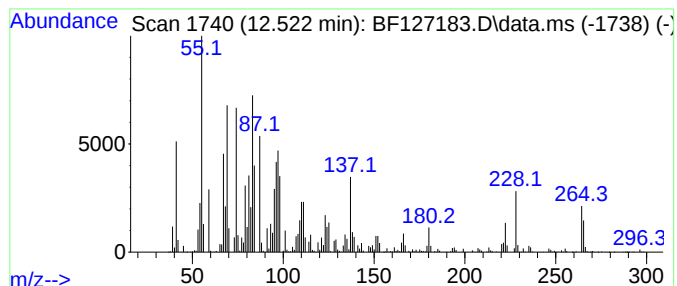
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 17 11-Octadecenoic acid, methyl... Concentration Rank 8

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 12.522 | 91.46 ng | 3959600 | Phenanthrene-d10 | 11.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | 11-Octadecenoic acid, methyl est... | 296 | C19H36O2 | 001937-63-9  | 99   |
| 2    |    |   | 11-Octadecenoic acid, methyl ester  | 296 | C19H36O2 | 052380-33-3  | 99   |
| 3    |    |   | 6-Octadecenoic acid, methyl este... | 296 | C19H36O2 | 002777-58-4  | 96   |
| 4    |    |   | 12-Octadecenoic acid, methyl ester  | 296 | C19H36O2 | 056554-46-2  | 95   |
| 5    |    |   | cis-13-Octadecenoic acid, methyl... | 296 | C19H36O2 | 1010333-58-3 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030322\  
Data File : BF127183.D  
Acq On : 03 Mar 2022 20:56  
Operator : CG\JU  
Sample : N1713-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

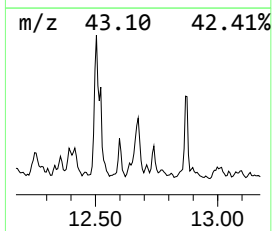
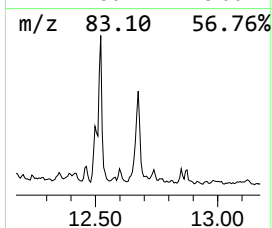
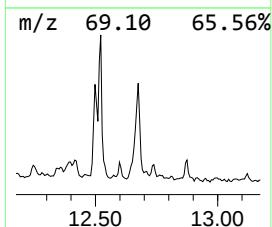
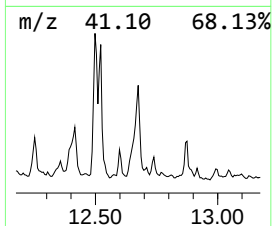
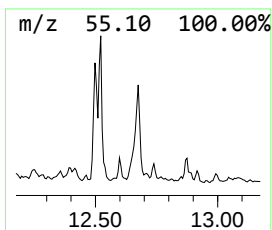
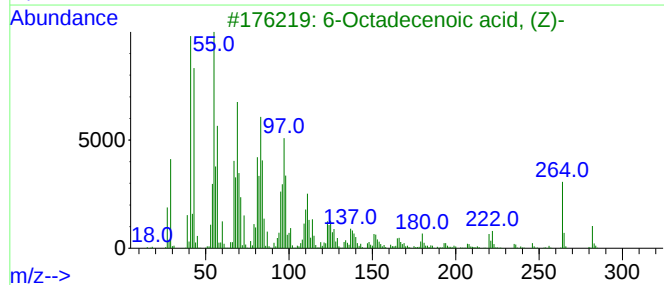
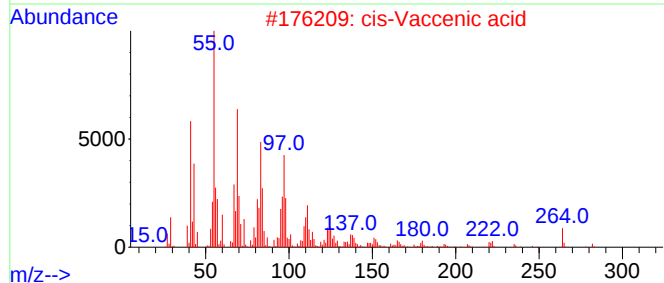
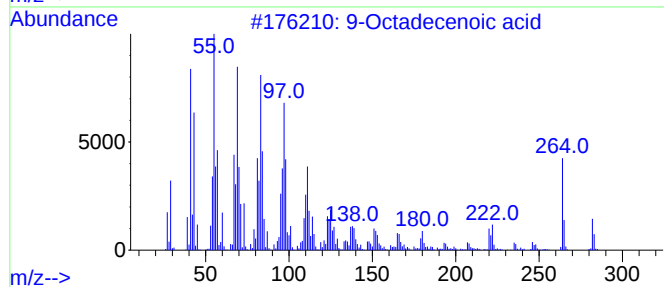
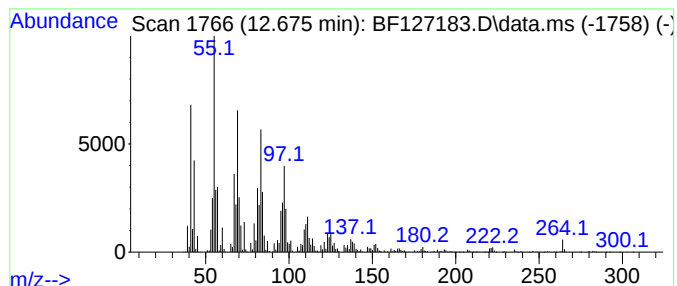
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-235

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 18 9-Octadecenoic acid Concentration Rank 9

| R.T.      | EstConc                    | Area    | Relative to ISTD | R.T.        |      |
|-----------|----------------------------|---------|------------------|-------------|------|
| 12.675    | 81.66 ng                   | 3535020 | Phenanthrene-d10 | 11.428      |      |
| Hit# of 5 | Tentative ID               | MW      | MolForm          | CAS#        | Qual |
| 1         | 9-Octadecenoic acid        | 282     | C18H34O2         | 002027-47-6 | 98   |
| 2         | cis-Vaccenic acid          | 282     | C18H34O2         | 000506-17-2 | 98   |
| 3         | 6-Octadecenoic acid, (Z)-  | 282     | C18H34O2         | 000593-39-5 | 97   |
| 4         | trans-13-Octadecenoic acid | 282     | C18H34O2         | 000693-71-0 | 97   |
| 5         | 9-Octadecenoic acid, (E)-  | 282     | C18H34O2         | 000112-79-8 | 96   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030322\  
Data File : BF127183.D  
Acq On : 03 Mar 2022 20:56  
Operator : CG\JU  
Sample : N1713-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-235

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

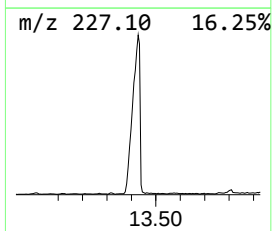
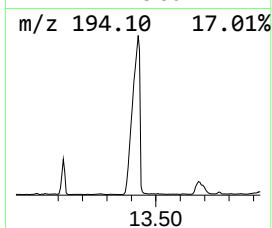
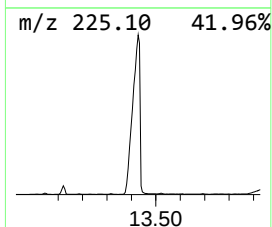
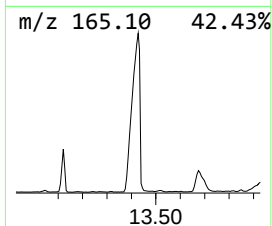
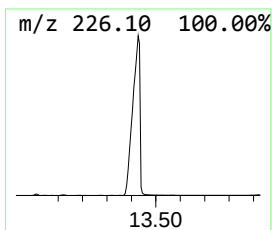
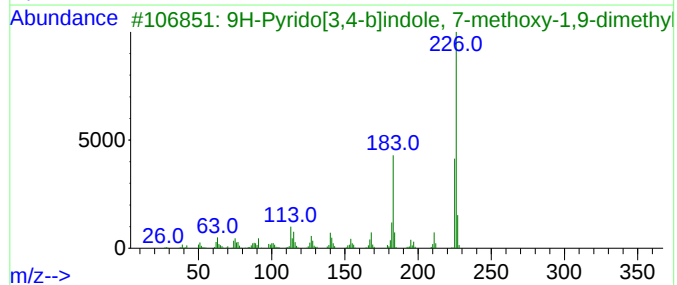
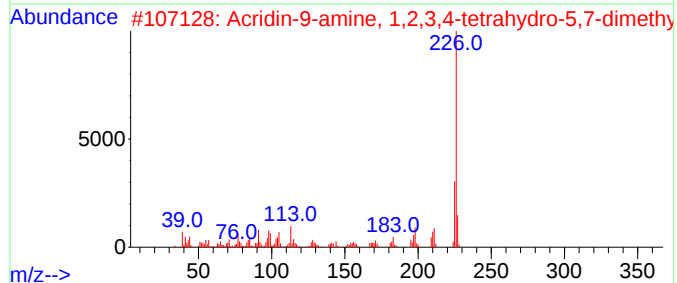
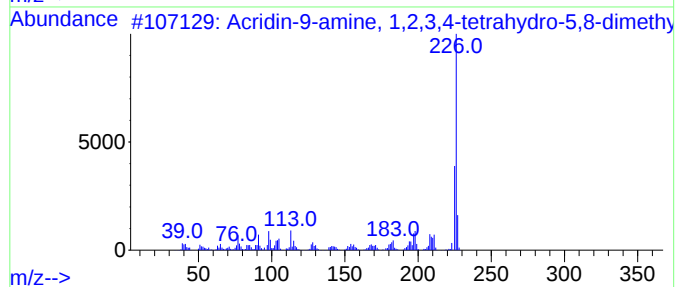
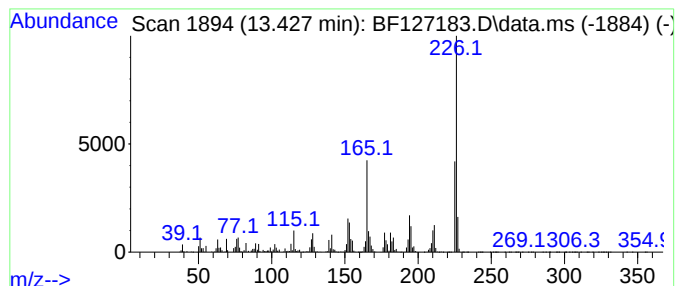
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 19 Acridin-9-amine, 1,2,3,4-te... Concentration Rank 15

| R.T.   | EstConc  | Area     | Relative to ISTD | R.T.   |
|--------|----------|----------|------------------|--------|
| 13.427 | 53.57 ng | 17048300 | Chrysene-d12     | 14.080 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Acridin-9-amine, 1,2,3,4-tetrahy... | 226 | C15H18N2   | 297758-19-1  | 70   |
| 2    |    |   | Acridin-9-amine, 1,2,3,4-tetrahy... | 226 | C15H18N2   | 1000300-57-6 | 58   |
| 3    |    |   | 9H-Pyrido[3,4-b]indole, 7-methox... | 226 | C14H14N2O  | 143502-37-8  | 52   |
| 4    |    |   | 9H-Xanthen-9-one, 1-methoxy-        | 226 | C14H10O3   | 006563-60-6  | 47   |
| 5    |    |   | Benzenamine, N-[(4-nitrophenyl)m... | 226 | C13H10N2O2 | 000785-80-8  | 46   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030322\  
Data File : BF127183.D  
Acq On : 03 Mar 2022 20:56  
Operator : CG\JU  
Sample : N1713-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-235

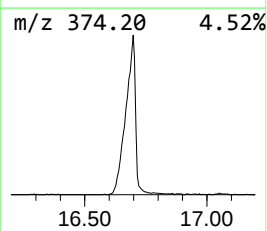
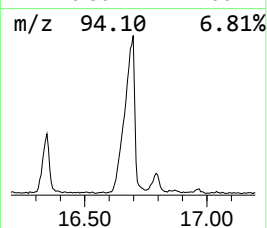
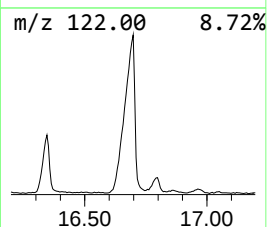
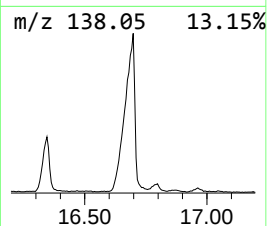
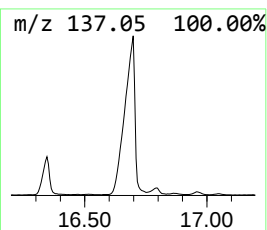
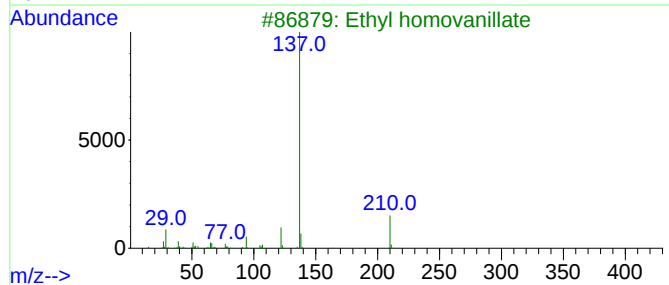
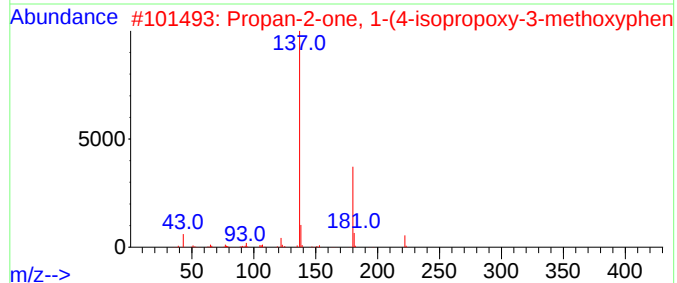
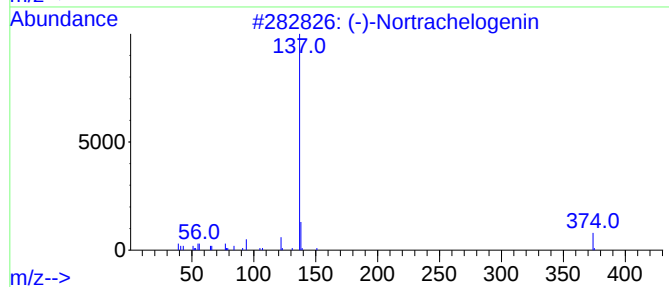
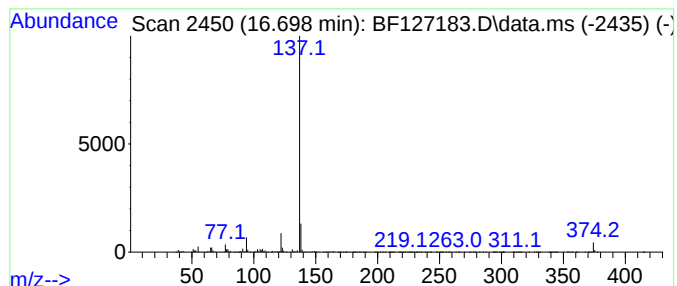
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 20 (-)-Nortrachelogenin Concentration Rank 3

| R.T.   | EstConc   | Area    | Relative to ISTD | R.T.   |
|--------|-----------|---------|------------------|--------|
| 16.698 | 125.31 ng | 5906700 | Perylene-d12     | 15.580 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|------|-------------------------------------|-----|----------|--------------|------|
| 1    |      | (-)-Nortrachelogenin                | 374 | C20H22O7 | 034444-37-6  | 91   |
| 2    |      | Propan-2-one, 1-(4-isopropoxy-3-... | 222 | C13H18O3 | 1000267-40-3 | 78   |
| 3    |      | Ethyl homovanillate                 | 210 | C11H14O4 | 060563-13-5  | 72   |
| 4    |      | (E)-1,7-bis(4-Hydroxy-3-methoxyp... | 356 | C21H24O5 | 128700-97-0  | 64   |
| 5    |      | 6-Amino-2,4-dimethylphenol          | 137 | C8H11NO  | 041458-65-5  | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030322\  
 Data File : BF127183.D  
 Acq On : 03 Mar 2022 20:56  
 Operator : CG\JU  
 Sample : N1713-03  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-235

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L  
 TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| .alpha.-Pinene     | 6.169  | 95.7    | ng    | 3841450  | 1                     | 6.893  | 802852  | 20.0 |
| Tridecane          | 8.757  | 69.1    | ng    | 3432530  | 2                     | 8.175  | 993170  | 20.0 |
| Tetradecane        | 9.328  | 137.2   | ng    | 4284030  | 3                     | 9.934  | 624678  | 20.0 |
| Vanillin           | 9.404  | 55.4    | ng    | 1730090  | 3                     | 9.934  | 624678  | 20.0 |
| Tetradecane, 1-... | 9.645  | 46.7    | ng    | 1457490  | 3                     | 9.934  | 624678  | 20.0 |
| Hexadecane         | 9.857  | 125.9   | ng    | 3933220  | 3                     | 9.934  | 624678  | 20.0 |
| unknown10.216      | 10.216 | 43.2    | ng    | 1349180  | 3                     | 9.934  | 624678  | 20.0 |
| Hexadecane, 1-i... | 10.357 | 100.4   | ng    | 3135220  | 3                     | 9.934  | 624678  | 20.0 |
| Heptadecane        | 10.575 | 55.2    | ng    | 1724500  | 3                     | 9.934  | 624678  | 20.0 |
| Heptadecane, 2,... | 10.834 | 95.6    | ng    | 4138300  | 4                     | 11.428 | 865823  | 20.0 |
| (E)-4-(3-Hydrox... | 11.098 | 74.6    | ng    | 3229040  | 4                     | 11.428 | 865823  | 20.0 |
| Tridecane, 1-iodo- | 11.281 | 51.7    | ng    | 2238460  | 4                     | 11.428 | 865823  | 20.0 |
| Nonadecane         | 11.704 | 43.1    | ng    | 1865010  | 4                     | 11.428 | 865823  | 20.0 |
| n-Hexadecanoic ... | 11.963 | 45.3    | ng    | 1962420  | 4                     | 11.428 | 865823  | 20.0 |
| Todomatuic acid    | 12.416 | 59.6    | ng    | 2580520  | 4                     | 11.428 | 865823  | 20.0 |
| 9,12-Octadecadi... | 12.498 | 113.5   | ng    | 4914710  | 4                     | 11.428 | 865823  | 20.0 |
| 11-Octadecenoic... | 12.522 | 91.5    | ng    | 3959600  | 4                     | 11.428 | 865823  | 20.0 |
| 9-Octadecenoic ... | 12.675 | 81.7    | ng    | 3535020  | 4                     | 11.428 | 865823  | 20.0 |
| Acridin-9-amine... | 13.427 | 53.6    | ng    | 17048300 | 5                     | 14.080 | 6364850 | 20.0 |
| (-)-Nortrachelo... | 16.698 | 125.3   | ng    | 5906700  | 6                     | 15.580 | 942720  | 20.0 |