

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\  
 Data File : BP001543.D  
 Acq On : 06 Jan 2020 22:42  
 Operator : JU  
 Sample : K6463-05  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 GP-5C-(5-6)

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\_P\METHODS\8270-BP010320.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         | 2.916       | 17            | 22          | 32           | rBV      | 24616          | 50343         | 1.51%           | 0.103%        |
| 2         | 2.999       | 32            | 36          | 43           | rVB      | 126013         | 162209        | 4.88%           | 0.333%        |
| 3         | 4.869       | 348           | 354         | 362          | rVB      | 189986         | 255533        | 7.69%           | 0.525%        |
| 4         | 5.316       | 423           | 430         | 440          | rBV      | 845729         | 1233736       | 37.11%          | 2.533%        |
| 5         | 6.887       | 691           | 697         | 709          | rVB      | 943358         | 1475336       | 44.38%          | 3.029%        |
| 6         | 7.228       | 749           | 755         | 769          | rVB      | 902666         | 1426667       | 42.92%          | 2.929%        |
| 7         | 7.510       | 798           | 803         | 811          | rVB4     | 17332          | 41967         | 1.26%           | 0.086%        |
| 8         | 7.681       | 826           | 832         | 841          | rVB      | 287795         | 454503        | 13.67%          | 0.933%        |
| 9         | 7.769       | 841           | 847         | 852          | rBV3     | 27817          | 57072         | 1.72%           | 0.117%        |
| 10        | 7.893       | 864           | 868         | 872          | rBV2     | 33663          | 41961         | 1.26%           | 0.086%        |
| 11        | 7.998       | 876           | 886         | 892          | rBV      | 672467         | 1105932       | 33.27%          | 2.271%        |
| 12        | 8.134       | 905           | 909         | 915          | rBV2     | 32516          | 44662         | 1.34%           | 0.092%        |
| 13        | 8.246       | 924           | 928         | 932          | rVB2     | 22930          | 34321         | 1.03%           | 0.070%        |
| 14        | 8.387       | 945           | 952         | 957          | rBV2     | 26322          | 47581         | 1.43%           | 0.098%        |
| 15        | 8.504       | 966           | 972         | 976          | rBV7     | 23651          | 44026         | 1.32%           | 0.090%        |
| 16        | 8.569       | 976           | 983         | 986          | rBV7     | 19433          | 39429         | 1.19%           | 0.081%        |
| 17        | 8.828       | 1009          | 1027        | 1033         | rBV      | 574394         | 1087738       | 32.72%          | 2.233%        |
| 18        | 8.887       | 1033          | 1037        | 1041         | rVV2     | 29184          | 41362         | 1.24%           | 0.085%        |
| 19        | 9.010       | 1053          | 1058        | 1060         | rBV3     | 39683          | 66562         | 2.00%           | 0.137%        |
| 20        | 9.046       | 1060          | 1064        | 1069         | rVB4     | 51000          | 102033        | 3.07%           | 0.209%        |
| 21        | 9.163       | 1080          | 1084        | 1091         | rVB4     | 37687          | 76733         | 2.31%           | 0.158%        |
| 22        | 9.340       | 1108          | 1114        | 1118         | rBV2     | 78576          | 144274        | 4.34%           | 0.296%        |
| 23        | 9.393       | 1118          | 1123        | 1130         | rVB3     | 91644          | 154159        | 4.64%           | 0.317%        |
| 24        | 9.463       | 1131          | 1135        | 1142         | rBV2     | 35079          | 59666         | 1.79%           | 0.123%        |
| 25        | 9.581       | 1146          | 1155        | 1157         | rBV3     | 69597          | 135458        | 4.07%           | 0.278%        |
| 26        | 9.651       | 1163          | 1167        | 1168         | rBV      | 50561          | 64019         | 1.93%           | 0.131%        |
| 27        | 9.728       | 1175          | 1180        | 1183         | rBV      | 25560          | 42501         | 1.28%           | 0.087%        |
| 28        | 9.940       | 1212          | 1216        | 1220         | rVB2     | 55101          | 84409         | 2.54%           | 0.173%        |
| 29        | 9.981       | 1220          | 1223        | 1228         | rVB2     | 39930          | 55144         | 1.66%           | 0.113%        |
| 30        | 10.075      | 1233          | 1239        | 1244         | rBV3     | 69315          | 138333        | 4.16%           | 0.284%        |
| 31        | 10.340      | 1281          | 1284        | 1287         | rBV4     | 56711          | 81167         | 2.44%           | 0.167%        |
| 32        | 10.381      | 1287          | 1291        | 1295         | rVB      | 94018          | 132425        | 3.98%           | 0.272%        |
| 33        | 10.457      | 1295          | 1304        | 1312         | rVB      | 361899         | 816972        | 24.58%          | 1.677%        |
| 34        | 10.528      | 1312          | 1316        | 1318         | rBV3     | 47692          | 72055         | 2.17%           | 0.148%        |

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 BNA\_P  
 ClientSampleId :  
 GP-5C-(5-6)

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\_P\METHODS\8270-BP010320.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 10.551 | 1318 | 1320 | 1324 | rVB2 | 44064   | 53334   | 1.60%  | 0.110% |
| 36 | 10.657 | 1333 | 1338 | 1343 | rBV  | 345411  | 507269  | 15.26% | 1.041% |
| 37 | 10.722 | 1346 | 1349 | 1352 | rVV3 | 81918   | 137177  | 4.13%  | 0.282% |
| 38 | 10.763 | 1352 | 1356 | 1364 | rVB7 | 103758  | 285057  | 8.58%  | 0.585% |
| 39 | 10.881 | 1370 | 1376 | 1380 | rBV3 | 110061  | 233467  | 7.02%  | 0.479% |
| 40 | 10.975 | 1388 | 1392 | 1395 | rBV4 | 76199   | 113217  | 3.41%  | 0.232% |
| 41 | 11.051 | 1401 | 1405 | 1412 | rBV2 | 95643   | 148058  | 4.45%  | 0.304% |
| 42 | 11.157 | 1418 | 1423 | 1425 | rBV  | 166905  | 263529  | 7.93%  | 0.541% |
| 43 | 11.181 | 1425 | 1427 | 1431 | rVB  | 169182  | 211301  | 6.36%  | 0.434% |
| 44 | 11.222 | 1431 | 1434 | 1437 | rBV2 | 51106   | 68271   | 2.05%  | 0.140% |
| 45 | 11.269 | 1438 | 1442 | 1446 | rVV2 | 94864   | 159181  | 4.79%  | 0.327% |
| 46 | 11.328 | 1448 | 1452 | 1459 | rVB4 | 87377   | 176698  | 5.32%  | 0.363% |
| 47 | 11.422 | 1464 | 1468 | 1474 | rVB5 | 116594  | 197430  | 5.94%  | 0.405% |
| 48 | 11.522 | 1480 | 1485 | 1490 | rBV  | 715852  | 1192489 | 35.87% | 2.448% |
| 49 | 11.663 | 1507 | 1509 | 1514 | rVB3 | 77739   | 96132   | 2.89%  | 0.197% |
| 50 | 11.769 | 1524 | 1527 | 1531 | rBV3 | 63815   | 92200   | 2.77%  | 0.189% |
| 51 | 11.892 | 1544 | 1548 | 1551 | rBV2 | 214359  | 334761  | 10.07% | 0.687% |
| 52 | 11.934 | 1552 | 1555 | 1561 | rVB5 | 126321  | 246682  | 7.42%  | 0.506% |
| 53 | 12.098 | 1580 | 1583 | 1585 | rBV3 | 97652   | 123372  | 3.71%  | 0.253% |
| 54 | 12.145 | 1585 | 1591 | 1598 | rVB  | 380432  | 895223  | 26.93% | 1.838% |
| 55 | 12.216 | 1599 | 1603 | 1605 | rBV3 | 135207  | 196835  | 5.92%  | 0.404% |
| 56 | 12.245 | 1606 | 1608 | 1611 | rVB2 | 90813   | 91903   | 2.76%  | 0.189% |
| 57 | 12.287 | 1612 | 1615 | 1618 | rBV3 | 79274   | 102900  | 3.10%  | 0.211% |
| 58 | 12.381 | 1623 | 1631 | 1634 | rBV5 | 211962  | 563171  | 16.94% | 1.156% |
| 59 | 12.522 | 1651 | 1655 | 1659 | rBV2 | 175875  | 249276  | 7.50%  | 0.512% |
| 60 | 12.569 | 1659 | 1663 | 1666 | rVV2 | 140584  | 208441  | 6.27%  | 0.428% |
| 61 | 12.610 | 1666 | 1670 | 1678 | rVV3 | 405841  | 768483  | 23.12% | 1.578% |
| 62 | 12.757 | 1691 | 1695 | 1705 | rVB3 | 184643  | 380617  | 11.45% | 0.781% |
| 63 | 12.839 | 1705 | 1709 | 1713 | rVV3 | 166973  | 249854  | 7.52%  | 0.513% |
| 64 | 12.892 | 1713 | 1718 | 1722 | rVV  | 1208749 | 1786067 | 53.73% | 3.667% |
| 65 | 12.945 | 1722 | 1727 | 1736 | rVB  | 1161587 | 1871408 | 56.30% | 3.842% |
| 66 | 13.151 | 1758 | 1762 | 1765 | rBV2 | 170576  | 256384  | 7.71%  | 0.526% |
| 67 | 13.204 | 1767 | 1771 | 1774 | rVV  | 514867  | 697896  | 20.99% | 1.433% |
| 68 | 13.275 | 1779 | 1783 | 1786 | rBV2 | 344550  | 526163  | 15.83% | 1.080% |
| 69 | 13.528 | 1823 | 1826 | 1829 | rVB  | 158299  | 181655  | 5.46%  | 0.373% |
| 70 | 13.581 | 1831 | 1835 | 1839 | rVV  | 202501  | 319971  | 9.63%  | 0.657% |
| 71 | 13.692 | 1849 | 1854 | 1859 | rVB3 | 267217  | 471755  | 14.19% | 0.969% |

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 ALS Vial : 15 Sample Multiplier: 1

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 ClientSampleId :  
 GP-5C-(5-6)

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\_P\METHODS\8270-BP010320.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 72  | 13.757 | 1861 | 1865 | 1869 | rBV2 | 272213  | 411712  | 12.39%  | 0.845% |
| 73  | 13.851 | 1874 | 1881 | 1886 | rVV2 | 1835302 | 3324261 | 100.00% | 6.825% |
| 74  | 13.904 | 1887 | 1890 | 1896 | rVB  | 315212  | 509706  | 15.33%  | 1.046% |
| 75  | 14.057 | 1913 | 1916 | 1919 | rVB  | 279753  | 311009  | 9.36%   | 0.639% |
| 76  | 14.204 | 1938 | 1941 | 1945 | rVB  | 322556  | 402946  | 12.12%  | 0.827% |
| 77  | 14.251 | 1946 | 1949 | 1954 | rBV6 | 183747  | 295474  | 8.89%   | 0.607% |
| 78  | 14.328 | 1956 | 1962 | 1968 | rBV4 | 697873  | 1417161 | 42.63%  | 2.910% |
| 79  | 14.451 | 1980 | 1983 | 1985 | rBV  | 162961  | 211118  | 6.35%   | 0.433% |
| 80  | 14.533 | 1993 | 1997 | 1998 | rBV3 | 182166  | 252687  | 7.60%   | 0.519% |
| 81  | 14.604 | 2006 | 2009 | 2016 | rVB  | 308648  | 452986  | 13.63%  | 0.930% |
| 82  | 14.704 | 2023 | 2026 | 2030 | rVB2 | 210648  | 252805  | 7.60%   | 0.519% |
| 83  | 14.775 | 2035 | 2038 | 2042 | rBV  | 342081  | 416282  | 12.52%  | 0.855% |
| 84  | 14.892 | 2053 | 2058 | 2063 | rVB  | 866468  | 1254045 | 37.72%  | 2.575% |
| 85  | 15.128 | 2094 | 2098 | 2104 | rVB  | 481124  | 770120  | 23.17%  | 1.581% |
| 86  | 15.292 | 2124 | 2126 | 2128 | rBV  | 184954  | 200595  | 6.03%   | 0.412% |
| 87  | 15.439 | 2148 | 2151 | 2154 | rBV3 | 282095  | 314998  | 9.48%   | 0.647% |
| 88  | 15.639 | 2178 | 2185 | 2190 | rVB  | 1675692 | 2589734 | 77.90%  | 5.317% |
| 89  | 15.828 | 2213 | 2217 | 2224 | rVB2 | 1190631 | 1740108 | 52.35%  | 3.573% |
| 90  | 16.122 | 2263 | 2267 | 2273 | rVB  | 1892310 | 2733230 | 82.22%  | 5.612% |
| 91  | 16.210 | 2280 | 2282 | 2286 | rBV2 | 156069  | 148927  | 4.48%   | 0.306% |
| 92  | 16.498 | 2328 | 2331 | 2336 | rVB  | 283995  | 387063  | 11.64%  | 0.795% |
| 93  | 16.945 | 2402 | 2407 | 2413 | rVB  | 1037974 | 1625254 | 48.89%  | 3.337% |
| 94  | 17.086 | 2427 | 2431 | 2435 | rVB  | 460627  | 622052  | 18.71%  | 1.277% |
| 95  | 17.557 | 2507 | 2511 | 2516 | rVB  | 297326  | 459745  | 13.83%  | 0.944% |
| 96  | 18.016 | 2586 | 2589 | 2593 | rBV3 | 165163  | 215876  | 6.49%   | 0.443% |
| 97  | 19.110 | 2772 | 2775 | 2778 | rVB  | 186715  | 221689  | 6.67%   | 0.455% |
| 98  | 19.457 | 2831 | 2834 | 2838 | rVB  | 319799  | 352533  | 10.60%  | 0.724% |
| 99  | 19.668 | 2865 | 2870 | 2875 | rBV  | 1624713 | 1927407 | 57.98%  | 3.957% |
| 100 | 21.186 | 3125 | 3128 | 3131 | rVB  | 483260  | 557047  | 16.76%  | 1.144% |

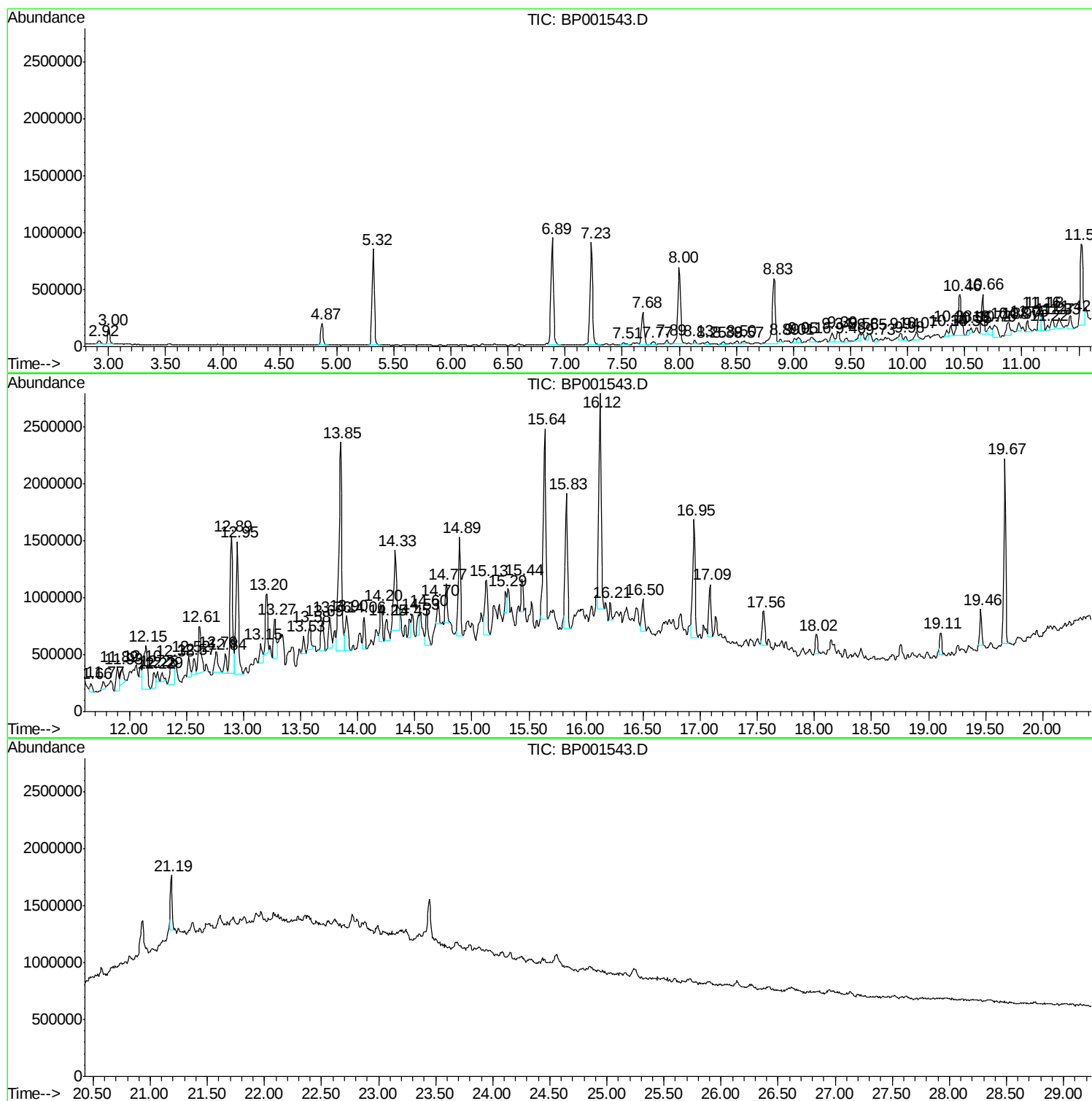
Sum of corrected areas: 48706485

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Instrument :  
BNA\_P  
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GP-5C-(5-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.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 P\DATA\BP010620\  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

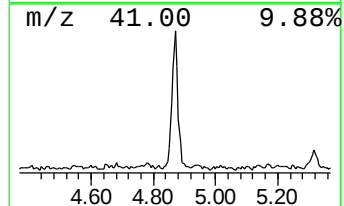
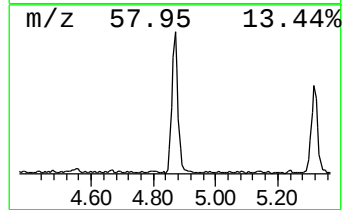
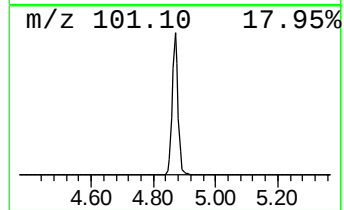
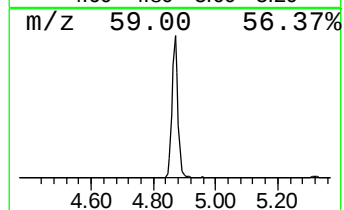
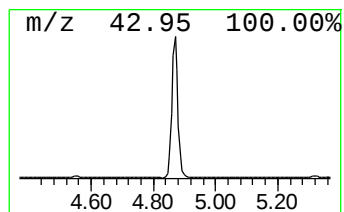
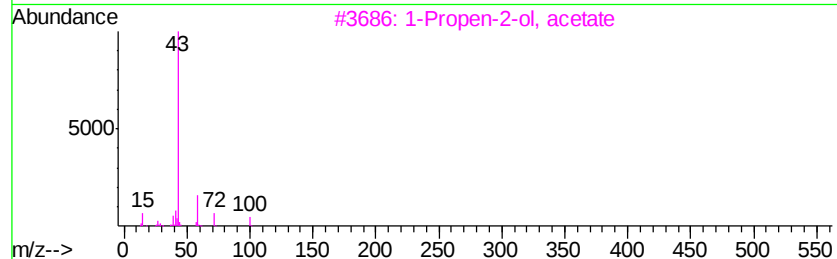
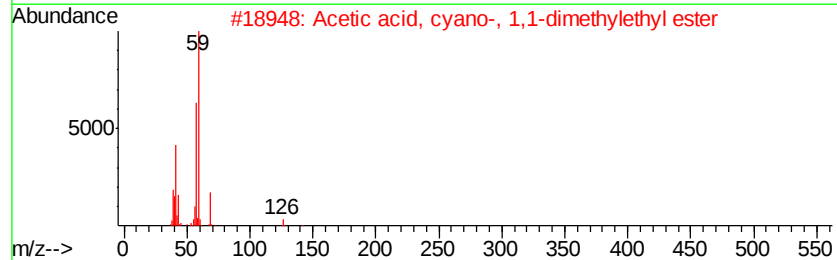
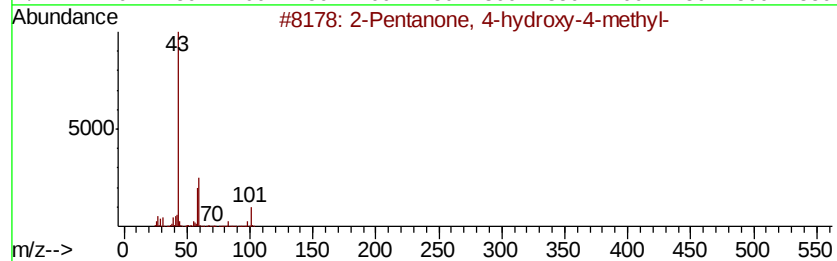
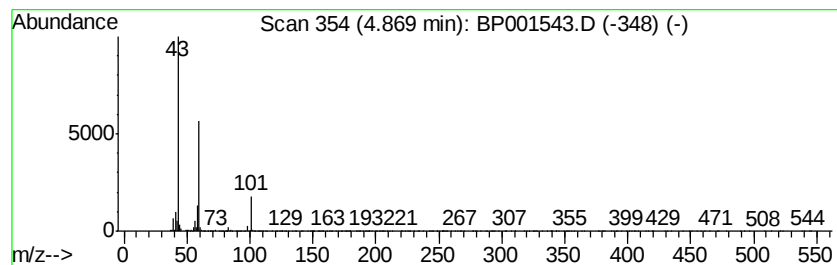
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 15

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.87 | 11.24 ng | 255533 | 1,4-Dichlorobenzene-d4 | 7.68 |

| Hit# of | 5                                    | Tentative ID | MW       | MolForm     | CAS# | Qual |
|---------|--------------------------------------|--------------|----------|-------------|------|------|
| 1       | 2-Pentanone, 4-hydroxy-4-methyl-     | 116          | C6H12O2  | 000123-42-2 | 50   |      |
| 2       | Acetic acid, cyano-, 1,1-dimethyl... | 141          | C7H11NO2 | 001116-98-9 | 25   |      |
| 3       | 1-Propen-2-ol, acetate               | 100          | C5H8O2   | 000108-22-5 | 10   |      |
| 4       | 2,3-Butanedione, monooxime           | 101          | C4H7NO2  | 000057-71-6 | 9    |      |
| 5       | 3-Hexanol                            | 102          | C6H14O   | 000623-37-0 | 9    |      |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

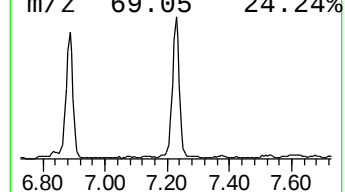
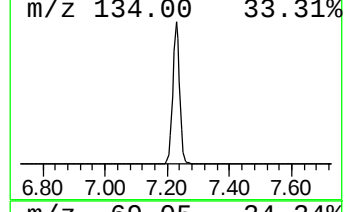
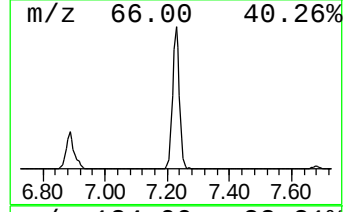
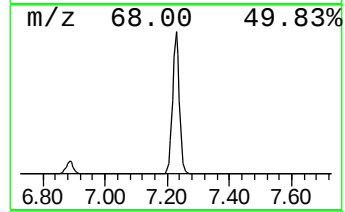
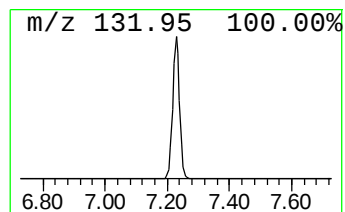
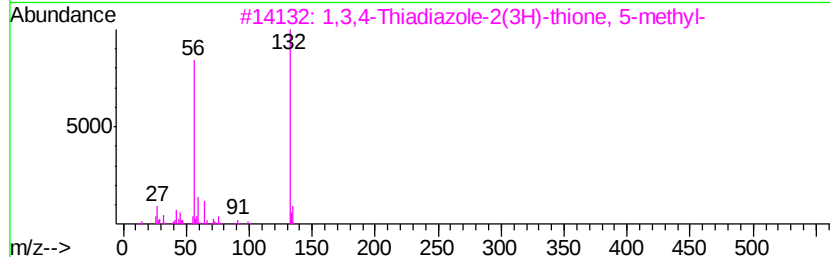
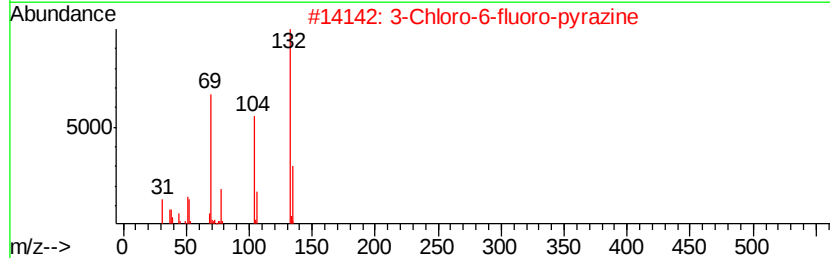
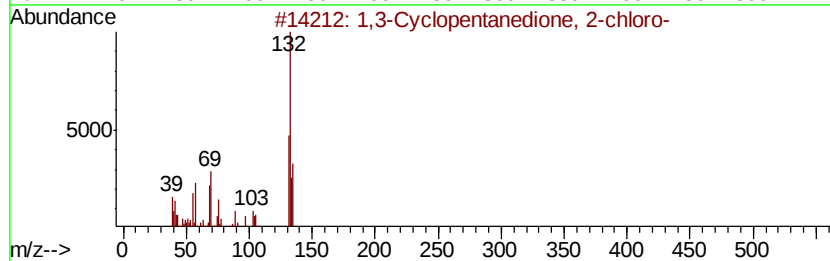
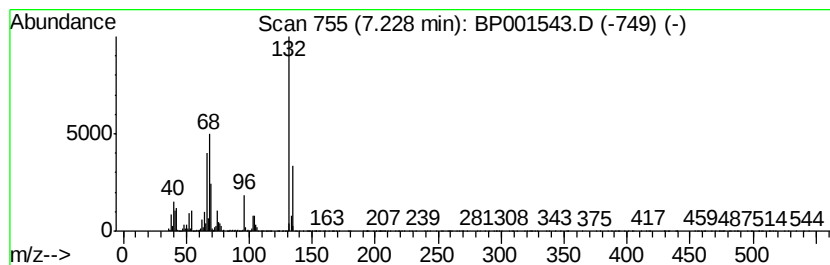
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown7.23 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.23 | 62.78 ng | 1426670 | 1,4-Dichlorobenzene-d4 | 7.68 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 1,3-Cyclopentanedione, 2-chloro-    | 132 | C5H5ClO2  | 014203-19-1  | 22   |
| 2    |    | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 14   |
| 3    |    | 1,3,4-Thiadiazole-2(3H)-thione, ... | 132 | C3H4N2S2  | 029490-19-5  | 14   |
| 4    |    | 1,2,4-Trifluorobenzene              | 132 | C6H3F3    | 000367-23-7  | 10   |
| 5    |    | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\  
Data File : BP001543.D  
Acq On : 06 Jan 2020 22:42  
Operator : JU  
Sample : K6463-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
GP-5C-(5-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

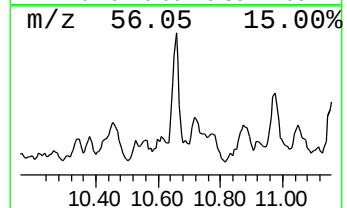
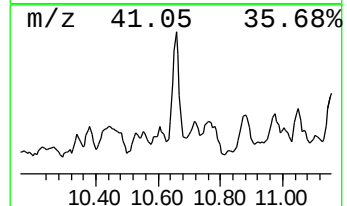
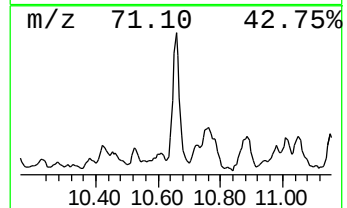
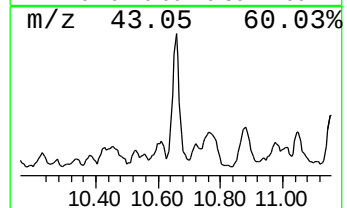
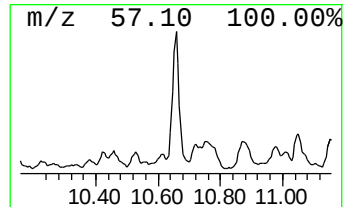
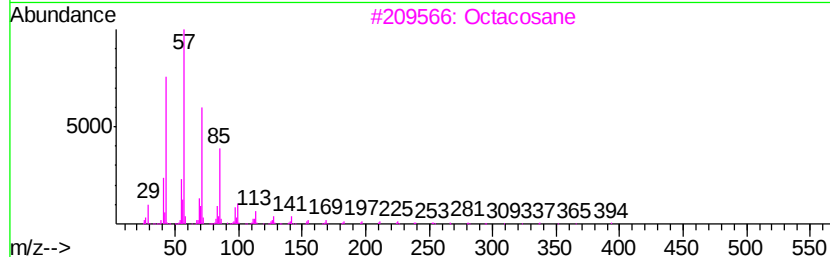
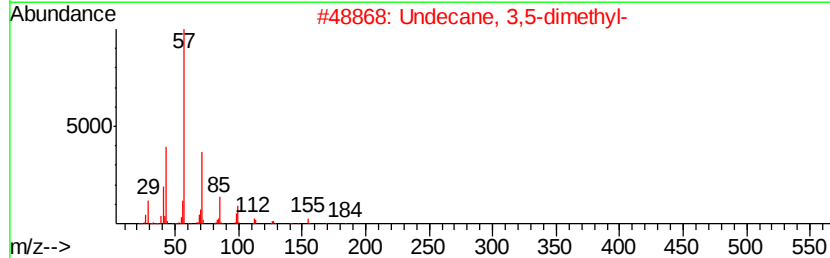
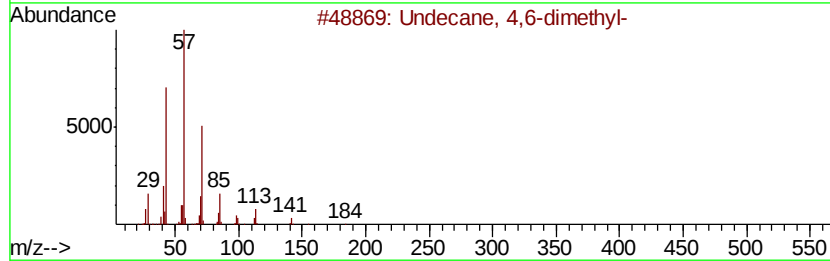
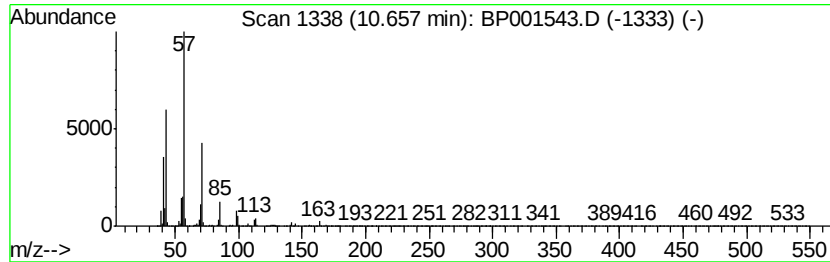
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Undecane, 4,6-dimethyl- Concentration Rank 14

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 10.66 | 12.42 ng | 507269 | Naphthalene-d8   | 10.46 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Undecane, 4,6-dimethyl-             | 184 | C13H28  | 017312-82-2 | 91   |
| 2    |    | Undecane, 3,5-dimethyl-             | 184 | C13H28  | 017312-81-1 | 91   |
| 3    |    | Octacosane                          | 394 | C28H58  | 000630-02-4 | 83   |
| 4    |    | Heptadecane, 2,6,10,14-tetramethyl- | 296 | C21H44  | 018344-37-1 | 83   |
| 5    |    | Undecane, 2,6-dimethyl-             | 184 | C13H28  | 017301-23-4 | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\  
Data File : BP001543.D  
Acq On : 06 Jan 2020 22:42  
Operator : JU  
Sample : K6463-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
GP-5C-(5-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

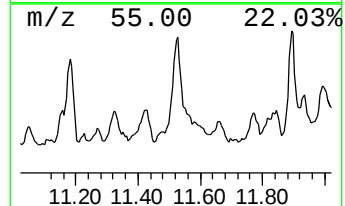
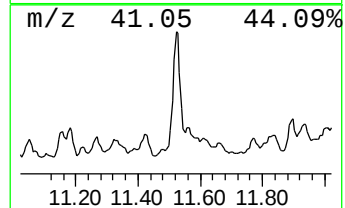
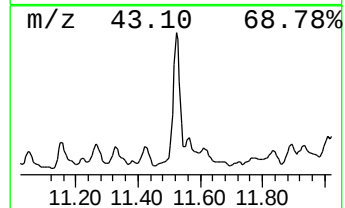
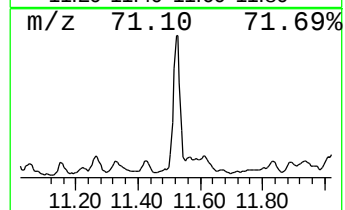
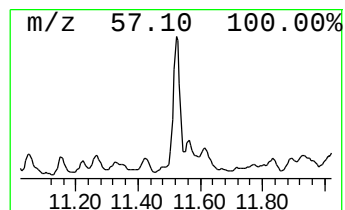
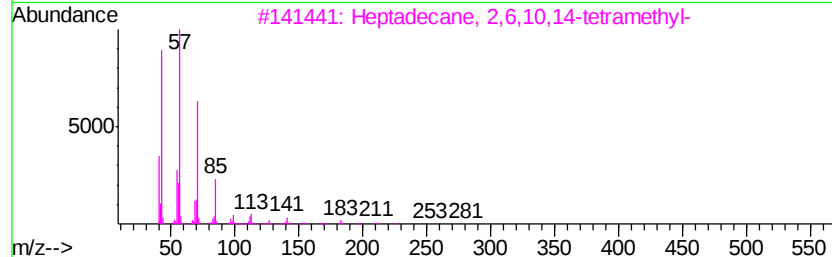
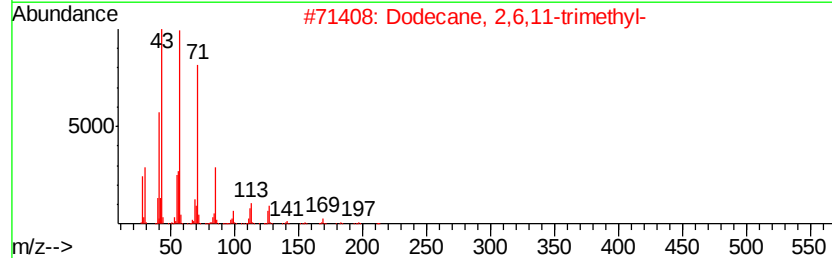
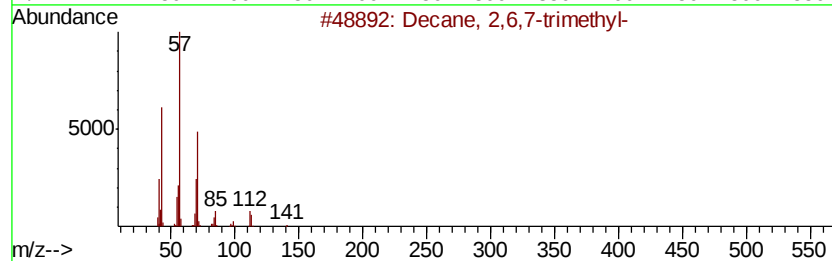
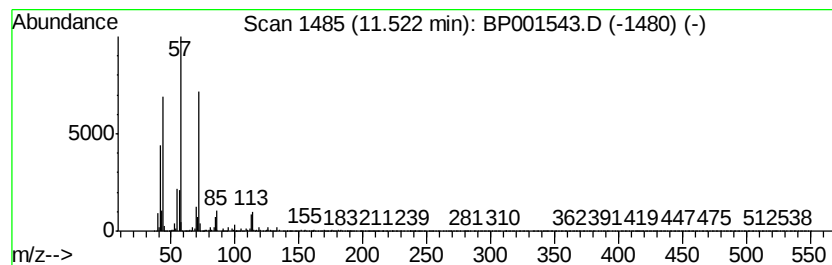
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Decane, 2,6,7-trimethyl- Concentration Rank 7

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.52 | 29.19 ng | 1192490 | Naphthalene-d8   | 10.46 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Decane, 2,6,7-trimethyl-            | 184 | C13H28   | 062108-25-2  | 90   |
| 2    |    | Dodecane, 2,6,11-trimethyl-         | 212 | C15H32   | 031295-56-4  | 78   |
| 3    |    | Heptadecane, 2,6,10,14-tetramethyl- | 296 | C21H44   | 018344-37-1  | 74   |
| 4    |    | Carbonic acid, neopentyl 2-ethyl... | 244 | C14H28O3 | 1000357-85-7 | 72   |
| 5    |    | Octane, 2-bromo-                    | 192 | C8H17Br  | 000557-35-7  | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\  
Data File : BP001543.D  
Acq On : 06 Jan 2020 22:42  
Operator : JU  
Sample : K6463-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
GP-5C-(5-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

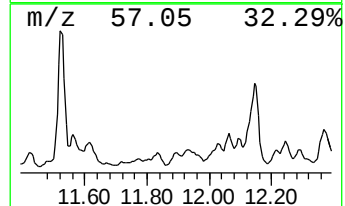
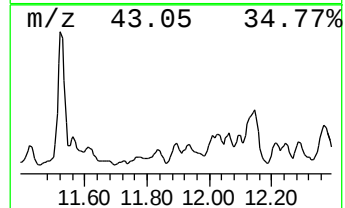
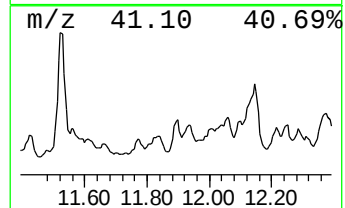
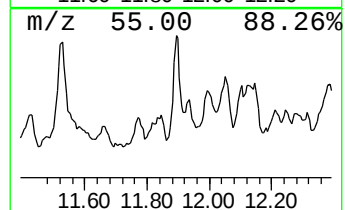
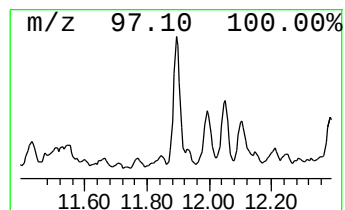
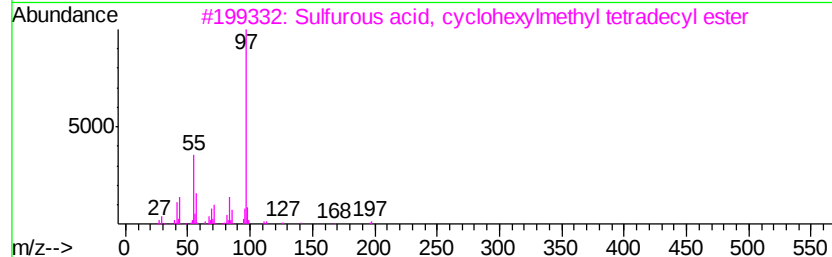
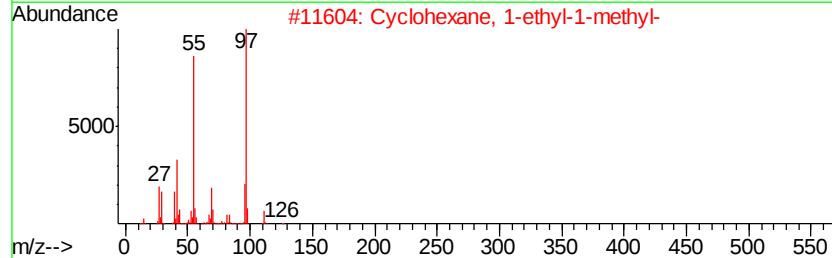
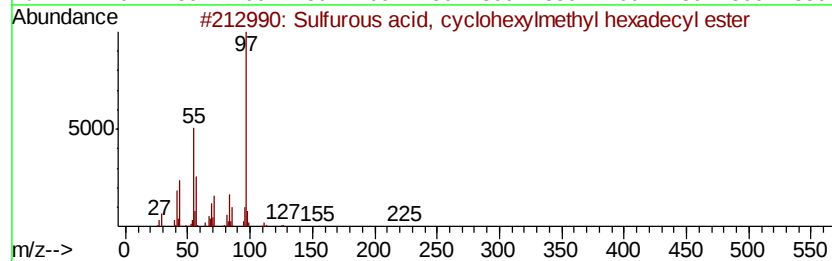
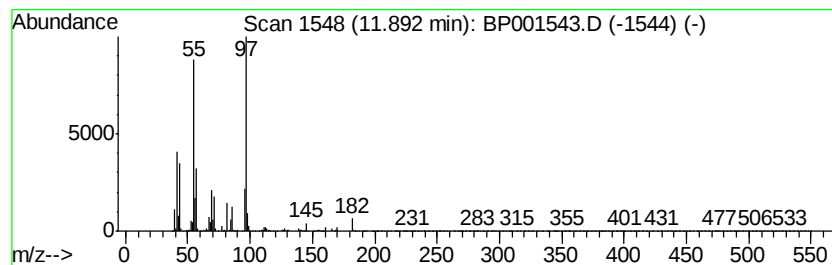
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Sulfurous acid, cyclohexylm... Concentration Rank 19

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.89 | 8.20 ng | 334761 | Naphthalene-d8   | 10.46 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Sulfurous acid, cvclohexvlmethvl... | 402 | C23H46O3S | 1000309-22-4 | 72   |
| 2    |    | Cyclohexane, 1-ethyl-1-methyl-      | 126 | C9H18     | 004926-90-3  | 68   |
| 3    |    | Sulfurous acid, cvclohexvlmethvl... | 374 | C21H42O3S | 1000309-22-2 | 64   |
| 4    |    | Sulfurous acid, cvclohexvlmethvl... | 304 | C16H32O3S | 1000309-21-8 | 64   |
| 5    |    | Ethanone, 1-(1-methylcyclohexyl)-   | 140 | C9H16O    | 002890-62-2  | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\  
Data File : BP001543.D  
Acq On : 06 Jan 2020 22:42  
Operator : JU  
Sample : K6463-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
GP-5C-(5-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

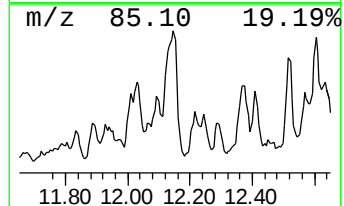
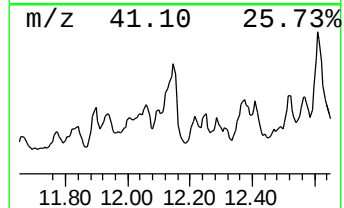
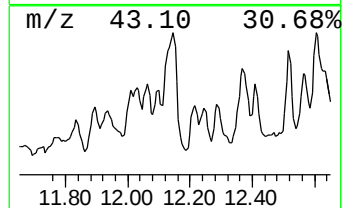
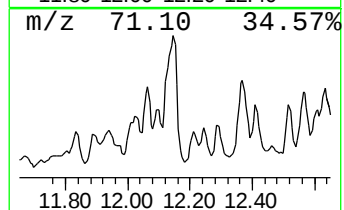
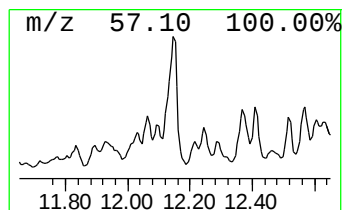
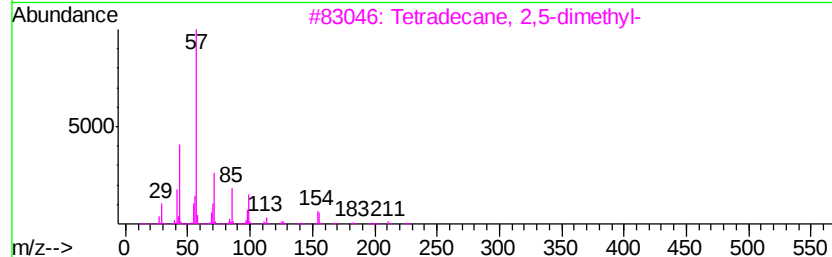
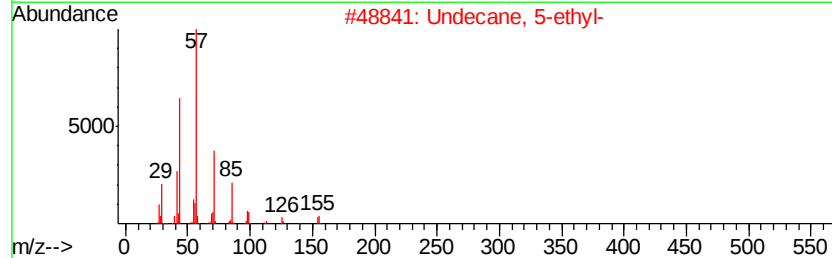
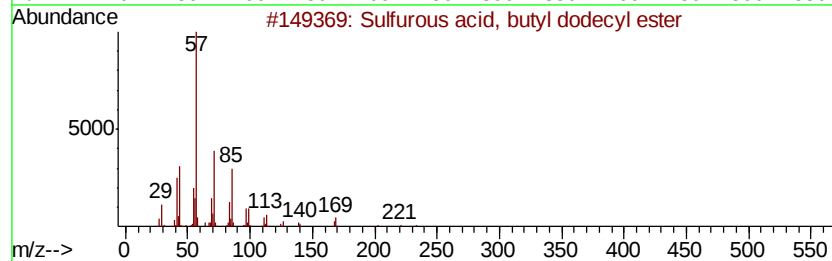
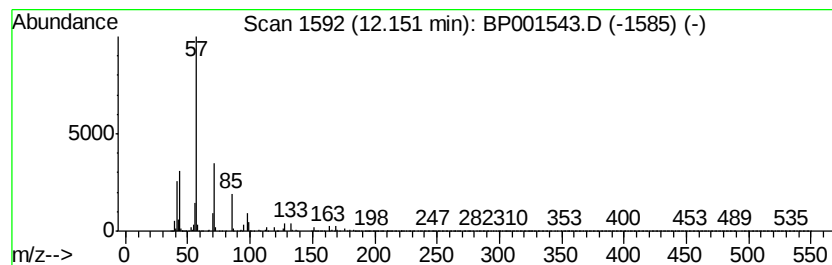
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Sulfurous acid, butyl dodec... Concentration Rank 9

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 12.15 | 21.92 ng | 895223 | Naphthalene-d8   | 10.46 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Sulfurous acid, butyl dodecyl ester | 306 | C16H34O3S | 1000309-17-9 | 72   |
| 2    |    | Undecane, 5-ethyl-                  | 184 | C13H28    | 017453-94-0  | 72   |
| 3    |    | Tetradecane, 2,5-dimethyl-          | 226 | C16H34    | 056292-69-4  | 64   |
| 4    |    | Octane, 2,4,6-trimethyl-            | 156 | C11H24    | 062016-37-9  | 64   |
| 5    |    | Dodecane                            | 170 | C12H26    | 000112-40-3  | 53   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\  
Data File : BP001543.D  
Acq On : 06 Jan 2020 22:42  
Operator : JU  
Sample : K6463-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
GP-5C-(5-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

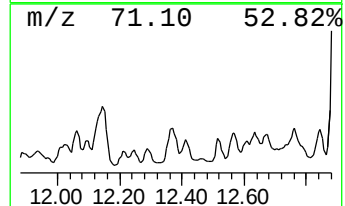
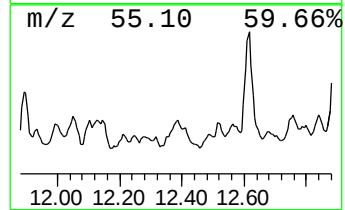
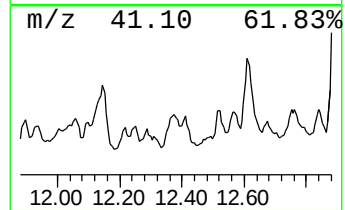
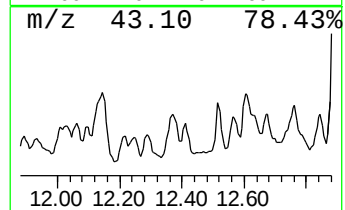
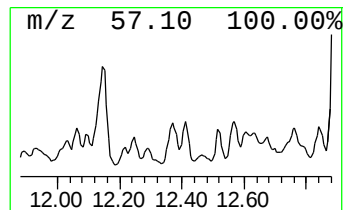
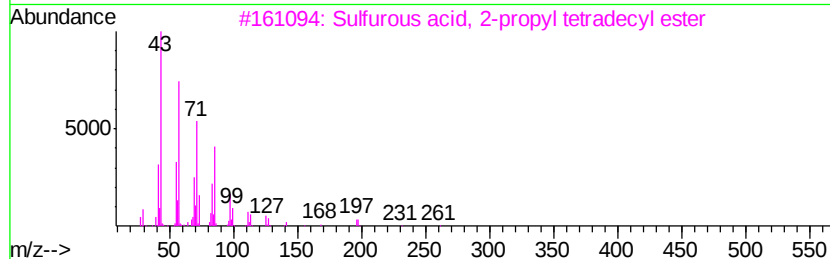
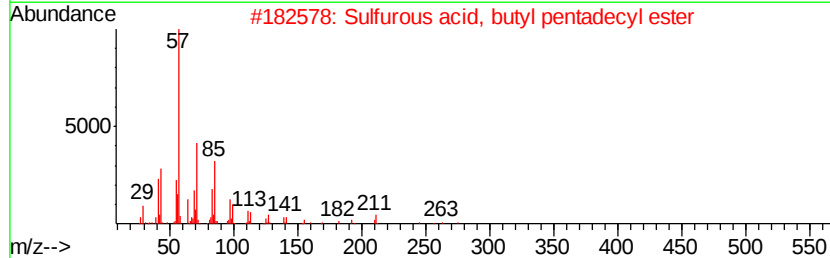
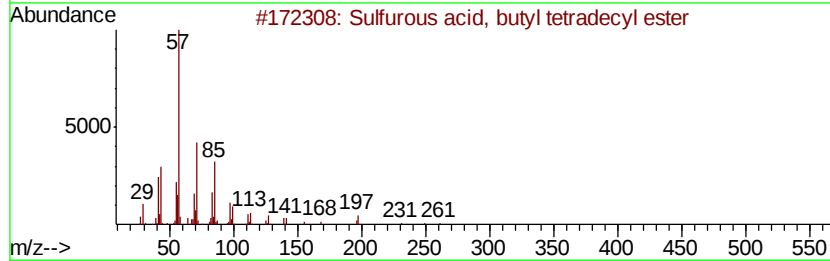
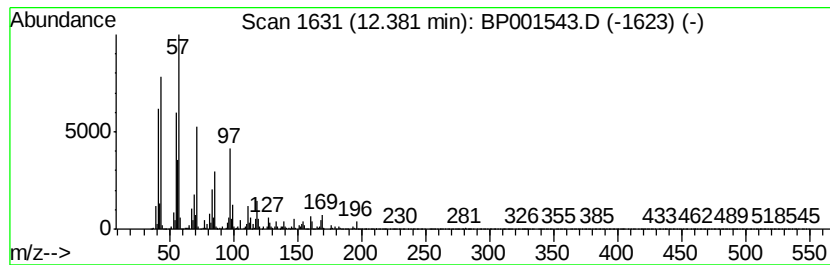
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Sulfurous acid, butyl tetra... Concentration Rank 12

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 12.38 | 13.79 ng | 563171 | Naphthalene-d8   | 10.46 |

| Hit# | of | Tentative ID                         | MW  | MolForm   | CAS#         | Qual |
|------|----|--------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Sulfurous acid, butyl tetradecyl...  | 334 | C18H38O3S | 1000309-18-1 | 58   |
| 2    |    | Sulfurous acid, butyl pentadecyl...  | 348 | C19H40O3S | 1000309-18-2 | 58   |
| 3    |    | Sulfurous acid, 2-propyl tetradec... | 320 | C17H36O3S | 1000309-12-5 | 52   |
| 4    |    | Tridecane, 7-hexyl-                  | 268 | C19H40    | 007225-66-3  | 50   |
| 5    |    | Sulfurous acid, pentadecyl 2-pro...  | 334 | C18H38O3S | 1000309-12-6 | 50   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\  
Data File : BP001543.D  
Acq On : 06 Jan 2020 22:42  
Operator : JU  
Sample : K6463-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
GP-5C-(5-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

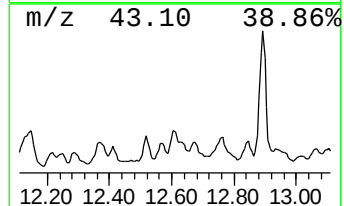
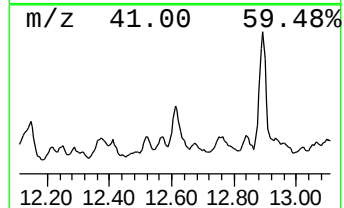
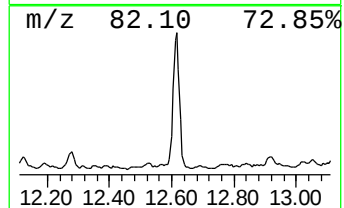
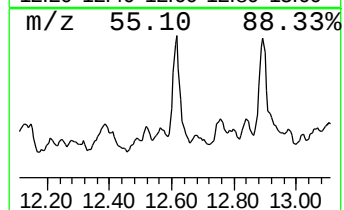
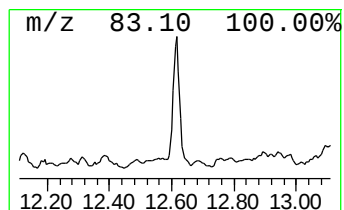
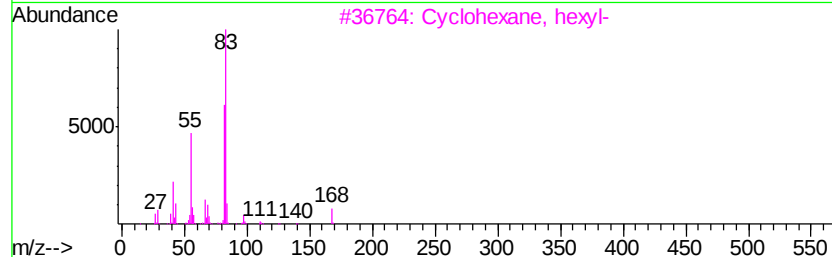
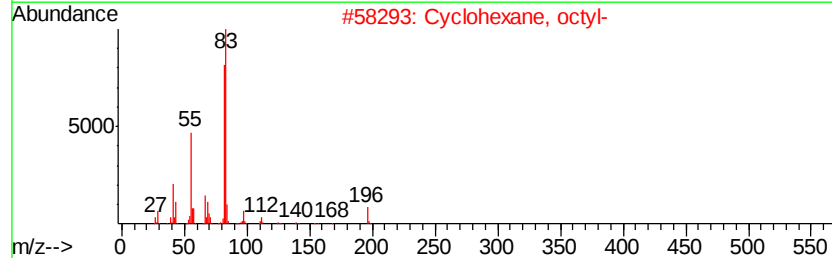
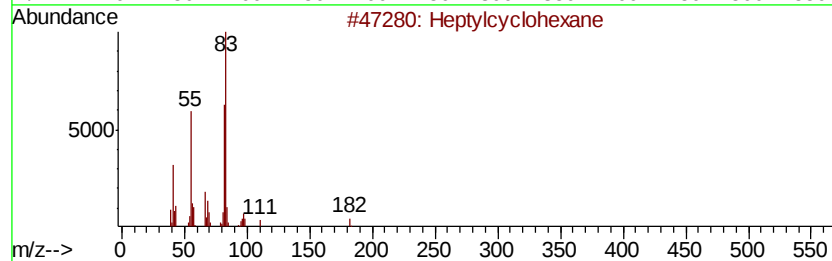
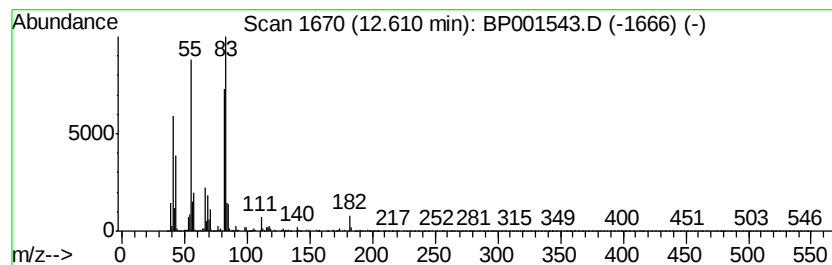
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Heptylcyclohexane Concentration Rank 17

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 12.61 | 10.85 ng | 768483 | Acenaphthene-d10 | 14.33 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptylcyclohexane             | 182 | C13H26  | 005617-41-4 | 90   |
| 2    |    | Cyclohexane, octyl-           | 196 | C14H28  | 001795-15-9 | 80   |
| 3    |    | Cyclohexane, hexyl-           | 168 | C12H24  | 004292-75-5 | 72   |
| 4    |    | Cyclohexane, butyl-           | 140 | C10H20  | 001678-93-9 | 72   |
| 5    |    | Cyclohexane, (1-methylethyl)- | 126 | C9H18   | 000696-29-7 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\  
Data File : BP001543.D  
Acq On : 06 Jan 2020 22:42  
Operator : JU  
Sample : K6463-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
GP-5C-(5-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

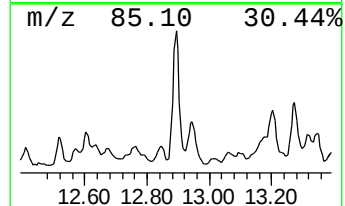
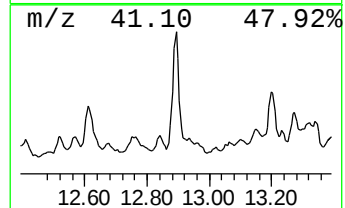
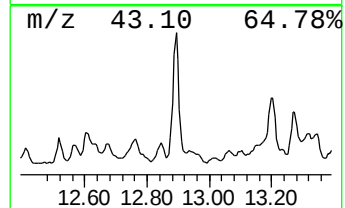
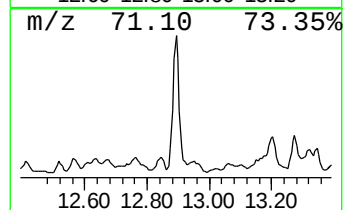
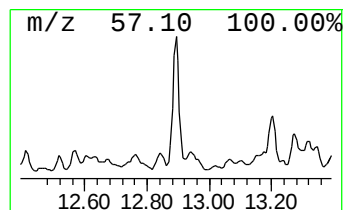
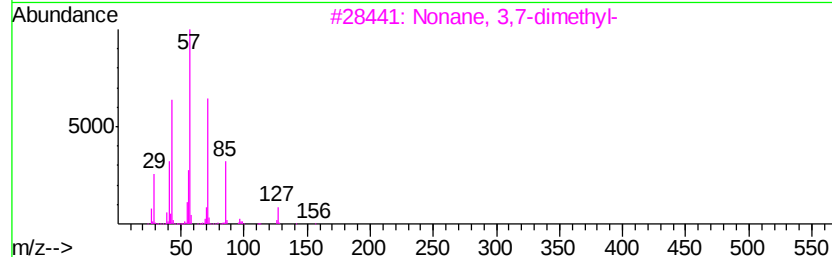
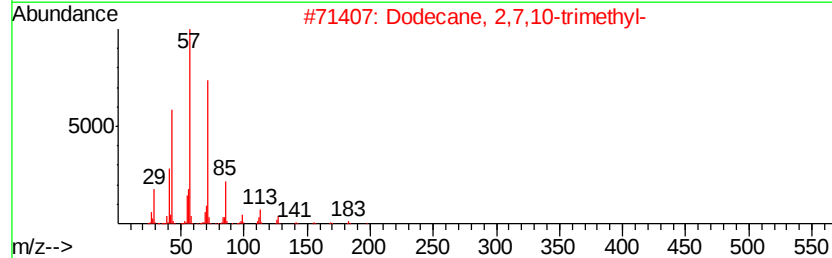
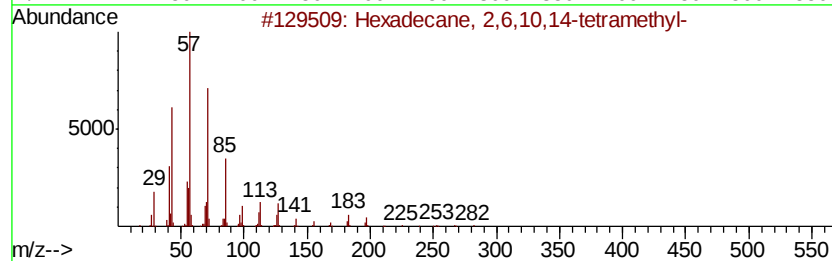
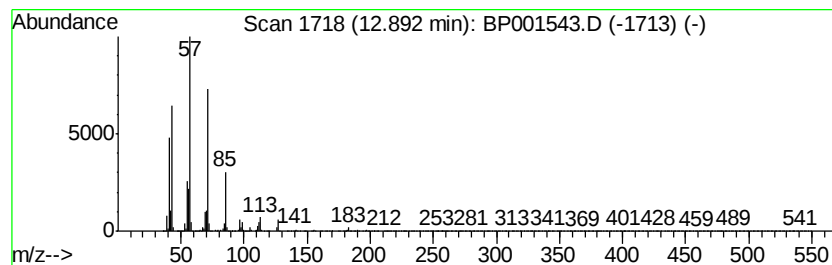
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Hexadecane, 2,6,10,14-tetra... Concentration Rank 8

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 12.89 | 25.21 ng | 1786070 | Acenaphthene-d10 | 14.33 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42  | 000638-36-8 | 94   |
| 2    |    | Dodecane, 2,7,10-trimethyl-        | 212 | C15H32  | 074645-98-0 | 91   |
| 3    |    | Nonane, 3,7-dimethyl-              | 156 | C11H24  | 017302-32-8 | 87   |
| 4    |    | Dodecane, 2,6,11-trimethyl-        | 212 | C15H32  | 031295-56-4 | 86   |
| 5    |    | Dodecane, 2,6,10-trimethyl-        | 212 | C15H32  | 003891-98-3 | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\  
Data File : BP001543.D  
Acq On : 06 Jan 2020 22:42  
Operator : JU  
Sample : K6463-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
GP-5C-(5-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

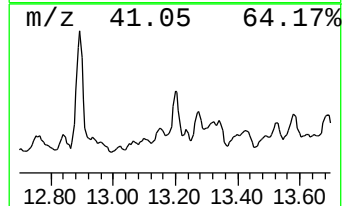
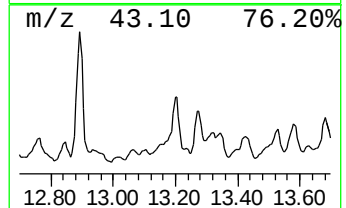
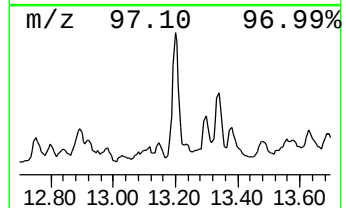
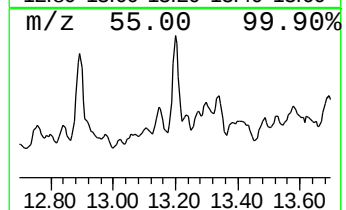
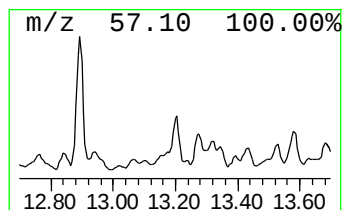
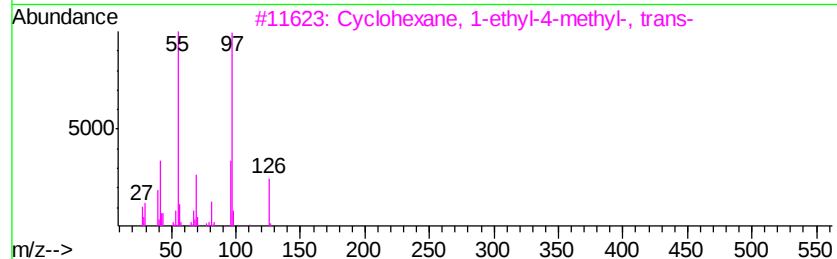
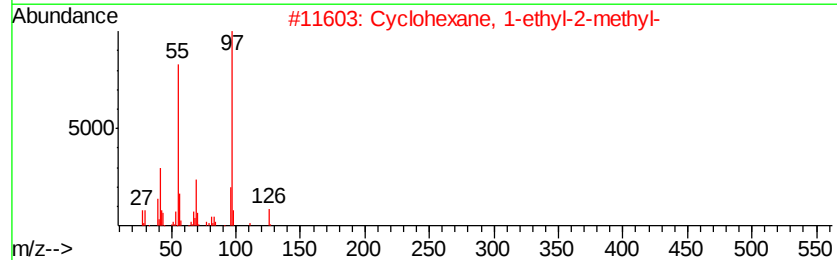
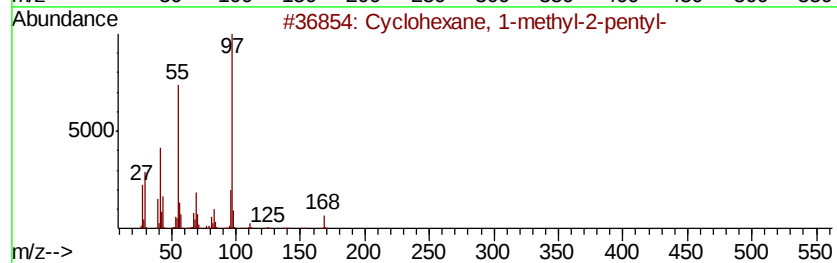
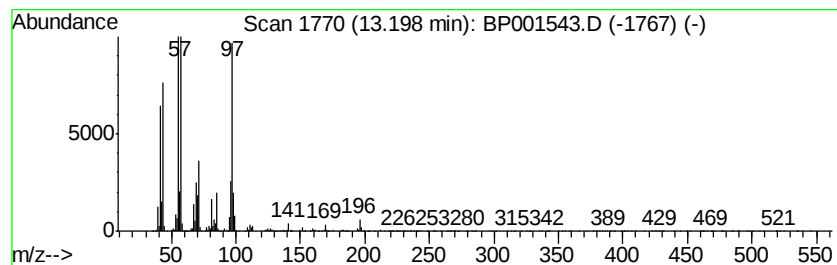
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 unknown13.20 Concentration Rank 18

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.20 | 9.85 ng | 697896 | Acenaphthene-d10 | 14.33 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Cyclohexane, 1-methyl-2-pentyl-     | 168 | C12H24  | 054411-01-7  | 47   |
| 2    |    |   | Cyclohexane, 1-ethyl-2-methyl-      | 126 | C9H18   | 003728-54-9  | 43   |
| 3    |    |   | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18   | 006236-88-0  | 43   |
| 4    |    |   | Cyclopentane, (1-methylbutyl)-      | 140 | C10H20  | 004737-43-3  | 43   |
| 5    |    |   | 1H-Pyrazol-4-amine, 3-methyl-       | 97  | C4H7N3  | 1000338-28-2 | 38   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\  
Data File : BP001543.D  
Acq On : 06 Jan 2020 22:42  
Operator : JU  
Sample : K6463-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
GP-5C-(5-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

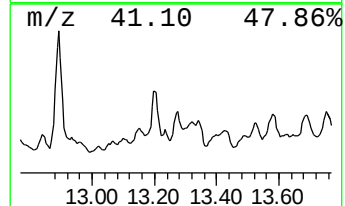
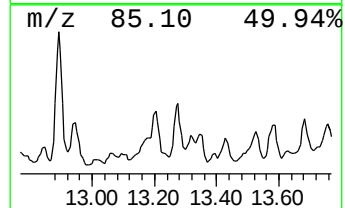
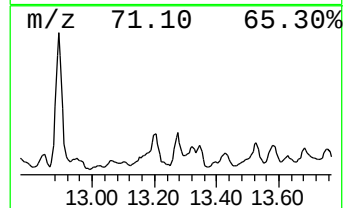
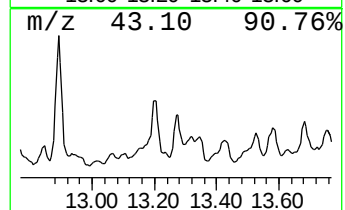
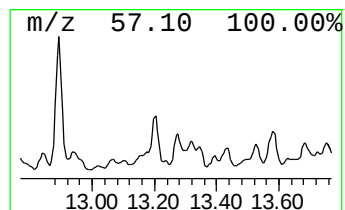
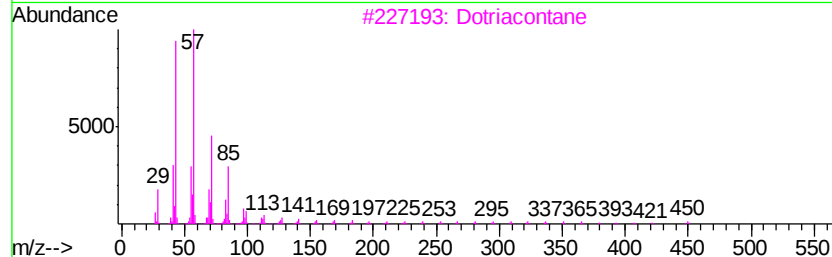
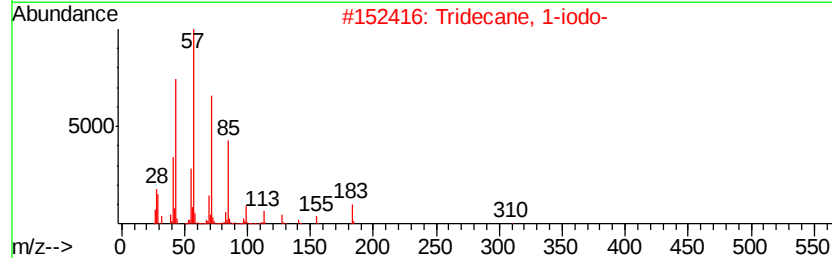
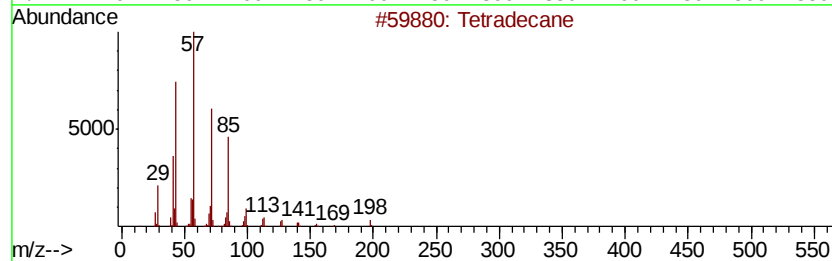
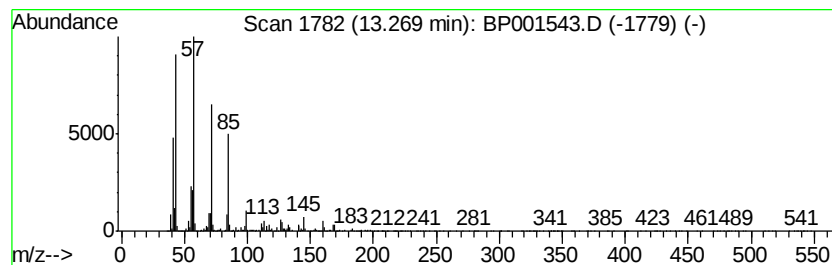
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 Tetradecane Concentration Rank 20

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.27 | 7.43 ng | 526163 | Acenaphthene-d10 | 14.33 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm  | CAS#        | Qual |
|------|----|---|------------------------|-----|----------|-------------|------|
| 1    |    |   | Tetradecane            | 198 | C14H30   | 000629-59-4 | 80   |
| 2    |    |   | Tridecane, 1-iodo-     | 310 | C13H27I  | 035599-77-0 | 74   |
| 3    |    |   | Dotriacontane          | 451 | C32H66   | 000544-85-4 | 68   |
| 4    |    |   | Heptacosane, 1-chloro- | 414 | C27H55Cl | 062016-79-9 | 64   |
| 5    |    |   | Tetracosane            | 338 | C24H50   | 000646-31-1 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\  
Data File : BP001543.D  
Acq On : 06 Jan 2020 22:42  
Operator : JU  
Sample : K6463-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
GP-5C-(5-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

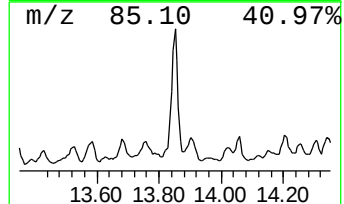
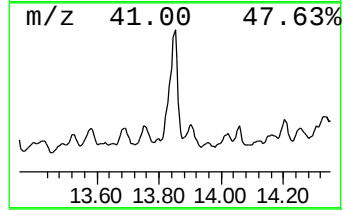
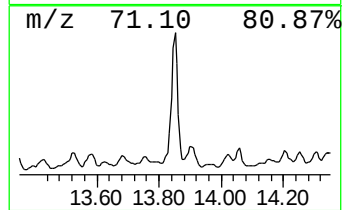
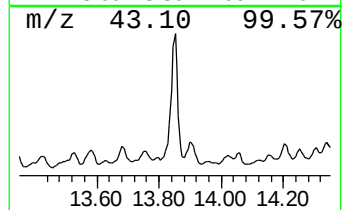
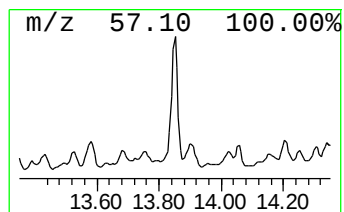
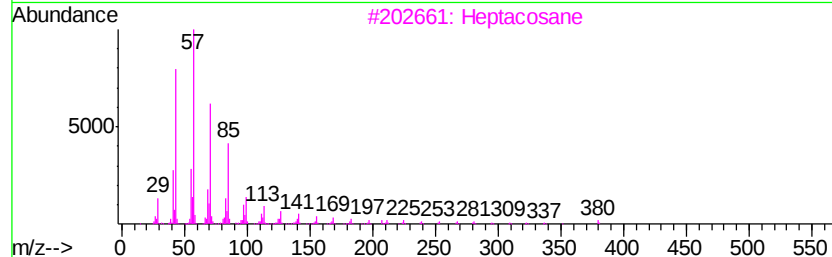
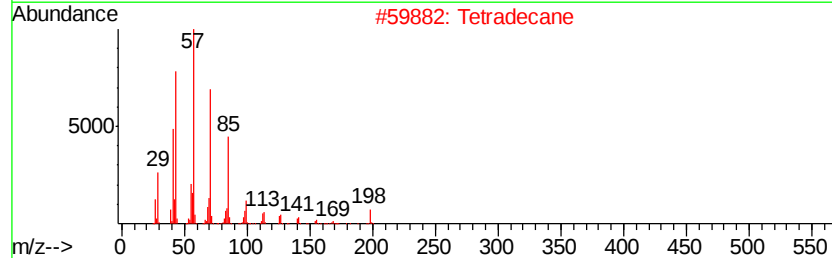
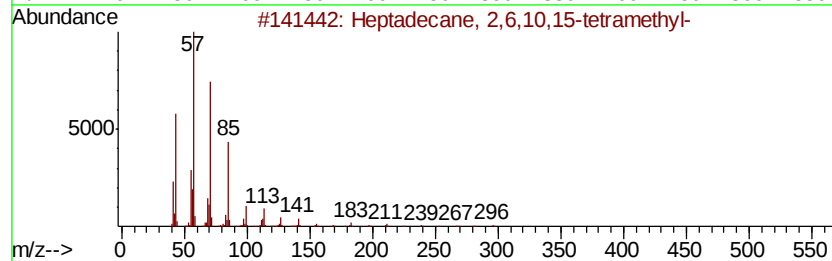
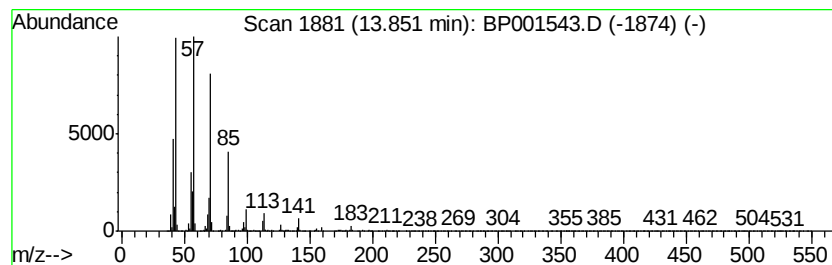
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 Heptadecane, 2,6,10,15-tetr... Concentration Rank 5

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 13.85 | 46.91 ng | 3324260 | Acenaphthene-d10 | 14.33 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 90   |
| 2    |    | Tetradecane                         | 198 | C14H30  | 000629-59-4 | 90   |
| 3    |    | Heptacosane                         | 380 | C27H56  | 000593-49-7 | 90   |
| 4    |    | Decane, 5-propyl-                   | 184 | C13H28  | 017312-62-8 | 87   |
| 5    |    | Tridecane                           | 184 | C13H28  | 000629-50-5 | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\  
Data File : BP001543.D  
Acq On : 06 Jan 2020 22:42  
Operator : JU  
Sample : K6463-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
GP-5C-(5-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

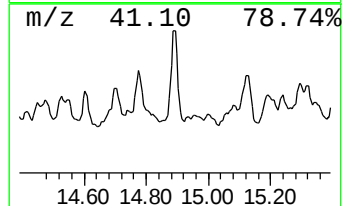
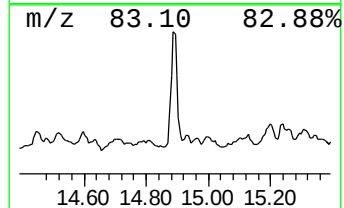
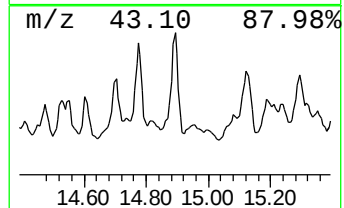
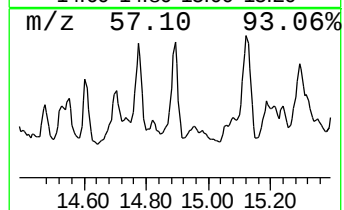
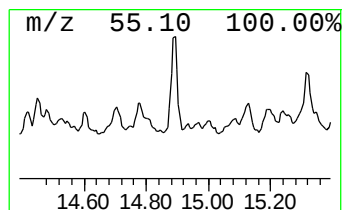
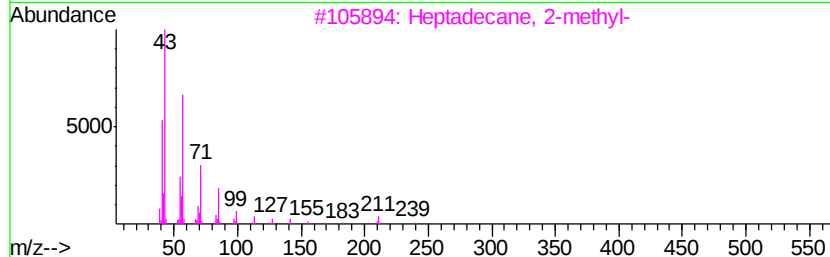
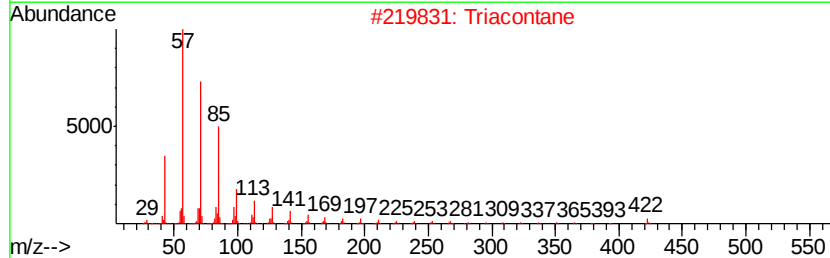
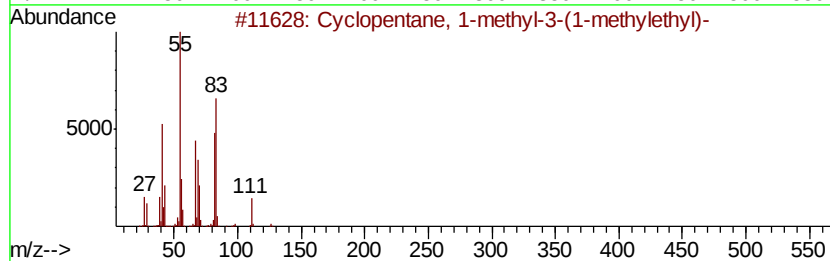
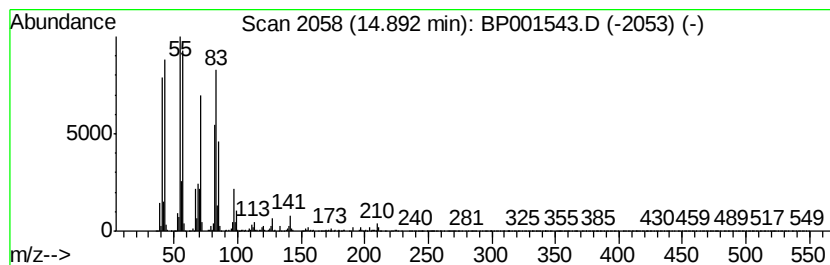
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 unknown14.89 Concentration Rank 10

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 14.89 | 17.70 ng | 1254050 | Acenaphthene-d10 | 14.33 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclopentane, 1-methyl-3-(1-meth... | 126 | C9H18   | 053771-88-3 | 45   |
| 2    |    | Triacontane                         | 422 | C30H62  | 000638-68-6 | 44   |
| 3    |    | Heptadecane, 2-methyl-              | 254 | C18H38  | 001560-89-0 | 38   |
| 4    |    | Dodecane, 2-methyl-6-propyl-        | 226 | C16H34  | 055045-08-4 | 35   |
| 5    |    | Dodecane, 4-methyl-                 | 184 | C13H28  | 006117-97-1 | 35   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\  
Data File : BP001543.D  
Acq On : 06 Jan 2020 22:42  
Operator : JU  
Sample : K6463-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
GP-5C-(5-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

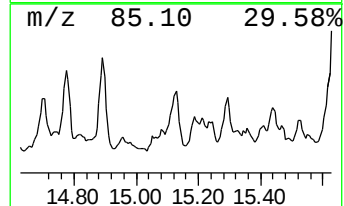
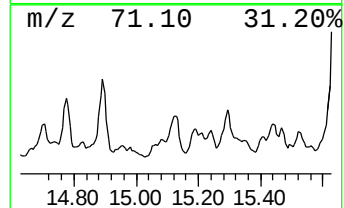
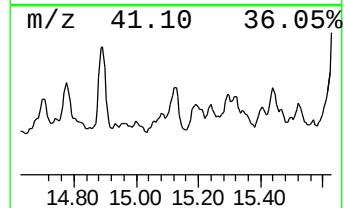
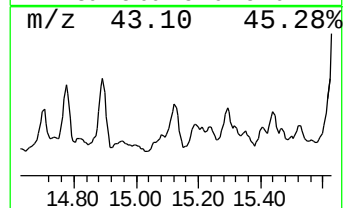
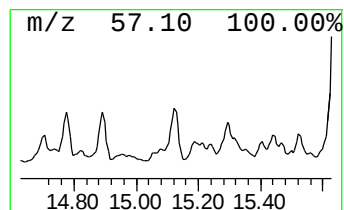
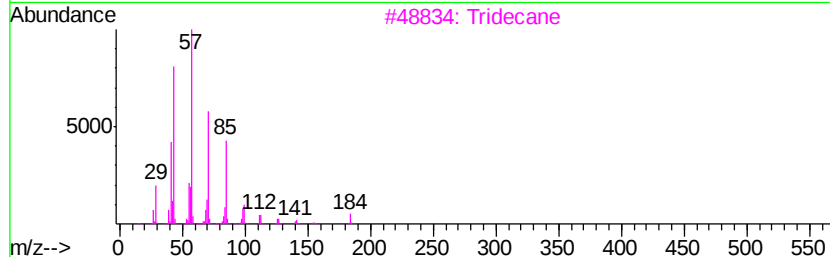
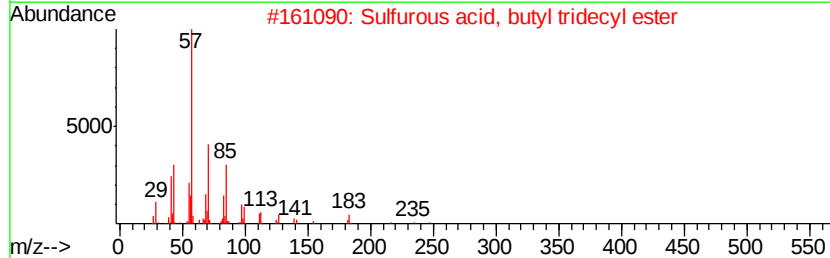
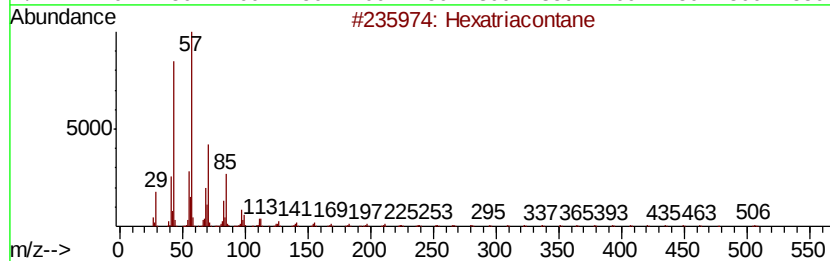
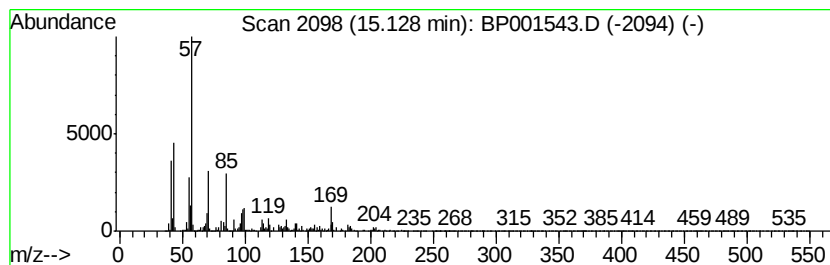
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 Hexatriacontane Concentration Rank 16

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 15.13 | 10.87 ng | 770120 | Acenaphthene-d10 | 14.33 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Hexatriacontane                     | 507 | C36H74    | 000630-06-8  | 58   |
| 2    |    | Sulfurous acid, butyl tridecyl e... | 320 | C17H36O3S | 1000309-18-0 | 53   |
| 3    |    | Tridecane                           | 184 | C13H28    | 000629-50-5  | 53   |
| 4    |    | Decane, 2,6,8-trimethyl-            | 184 | C13H28    | 062108-26-3  | 52   |
| 5    |    | 3,5-Dimethyldodecane                | 198 | C14H30    | 107770-99-0  | 47   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\  
Data File : BP001543.D  
Acq On : 06 Jan 2020 22:42  
Operator : JU  
Sample : K6463-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
GP-5C-(5-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

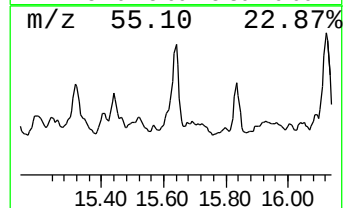
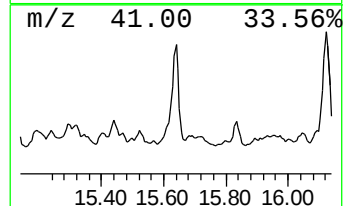
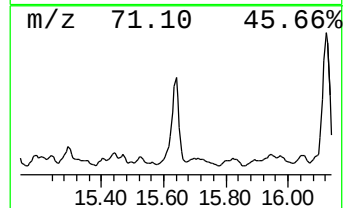
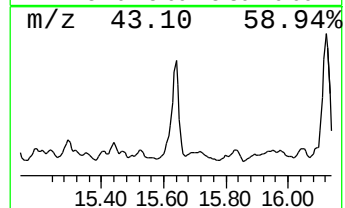
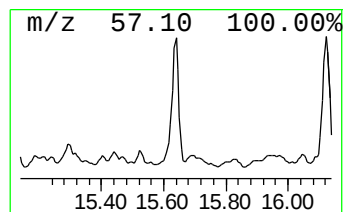
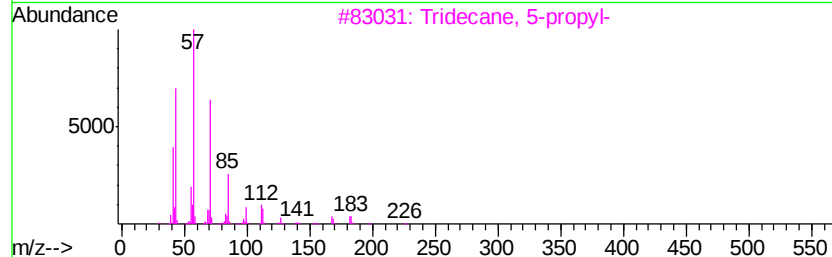
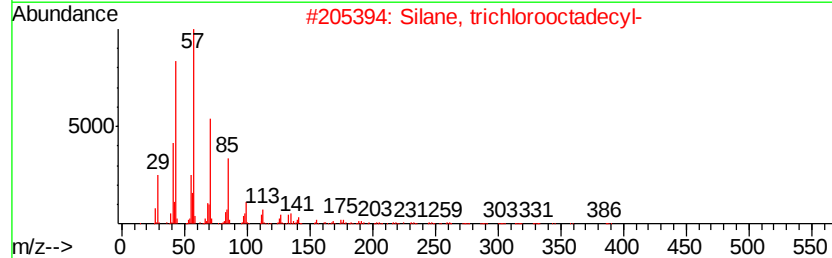
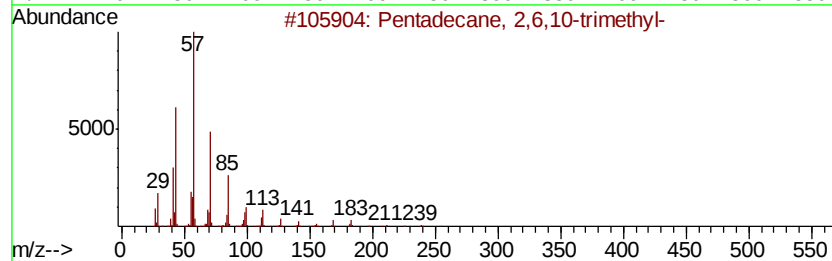
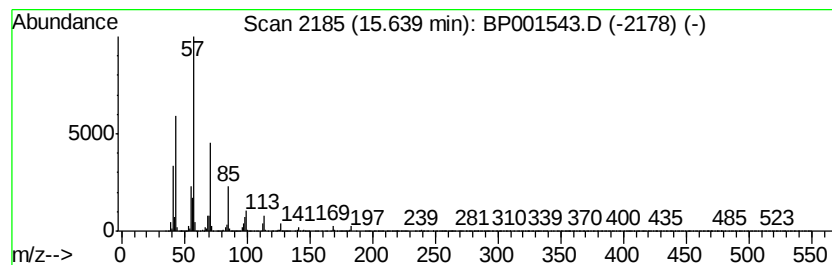
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 16 Pentadecane, 2,6,10-trimethyl- Concentration Rank 6

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 15.64 | 36.55 ng | 2589730 | Acenaphthene-d10 | 14.33 |

| Hit# | of | Tentative ID                   | MW  | MolForm     | CAS#        | Qual |
|------|----|--------------------------------|-----|-------------|-------------|------|
| 1    | 5  | Pentadecane, 2,6,10-trimethyl- | 254 | C18H38      | 003892-00-0 | 94   |
| 2    |    | Silane, trichlorooctadecyl-    | 386 | C18H37Cl3Si | 000112-04-9 | 90   |
| 3    |    | Tridecane, 5-propyl-           | 226 | C16H34      | 055045-11-9 | 87   |
| 4    |    | 1-Iodo-2-methylundecane        | 296 | C12H25I     | 073105-67-6 | 81   |
| 5    |    | Heneicosane                    | 296 | C21H44      | 000629-94-7 | 81   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\  
Data File : BP001543.D  
Acq On : 06 Jan 2020 22:42  
Operator : JU  
Sample : K6463-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
GP-5C-(5-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

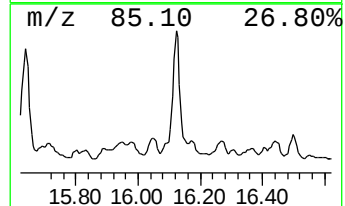
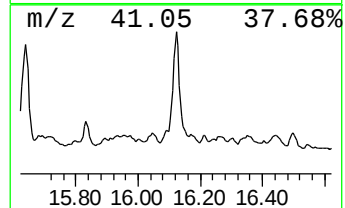
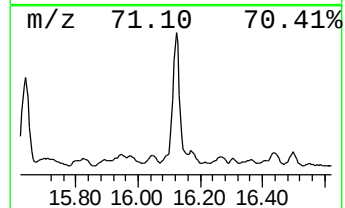
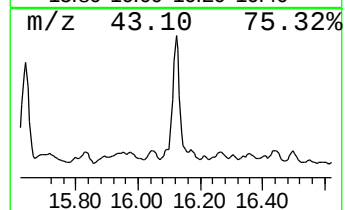
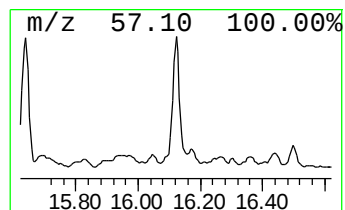
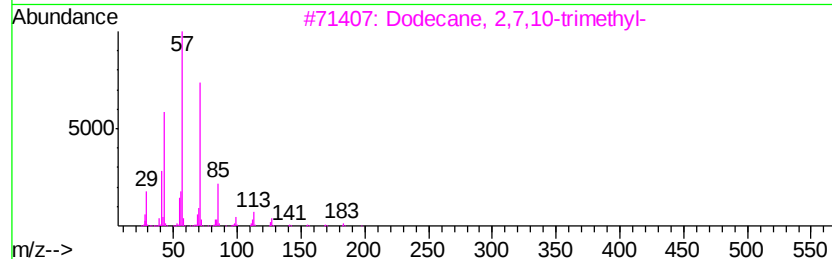
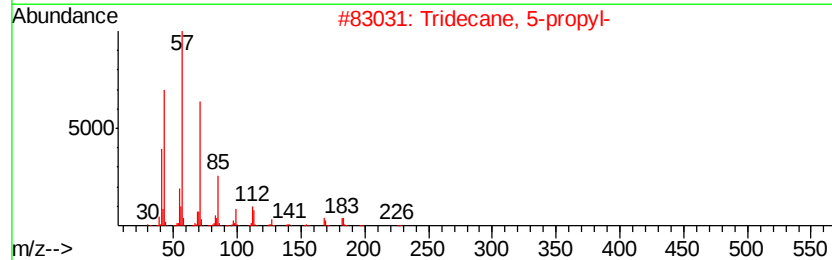
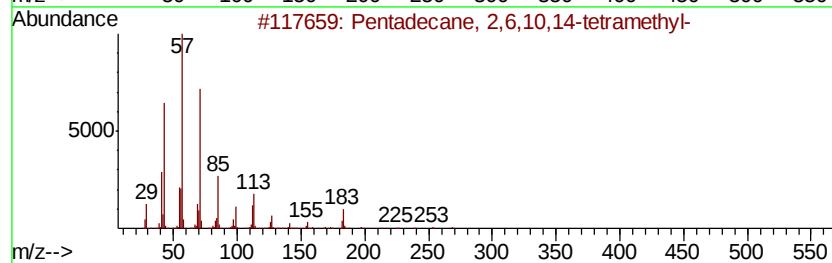
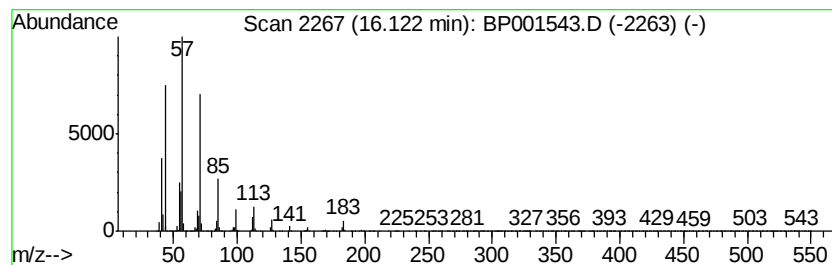
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 Pentadecane, 2,6,10,14-tetr... Concentration Rank 1

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 16.12 | 87.88 ng | 2733230 | Phenanthrene-d10 | 17.09 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentadecane, 2,6,10,14-tetramethyl- | 268 | C19H40  | 001921-70-6 | 90   |
| 2    |    | Tridecane, 5-propyl-                | 226 | C16H34  | 055045-11-9 | 87   |
| 3    |    | Dodecane, 2,7,10-trimethyl-         | 212 | C15H32  | 074645-98-0 | 86   |
| 4    |    | Octadecane, 2,6-dimethyl-           | 282 | C20H42  | 075163-97-2 | 86   |
| 5    |    | Undecane, 6-ethyl-                  | 184 | C13H28  | 017312-60-6 | 81   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\  
Data File : BP001543.D  
Acq On : 06 Jan 2020 22:42  
Operator : JU  
Sample : K6463-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
GP-5C-(5-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

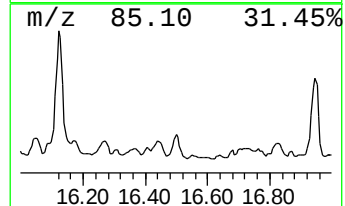
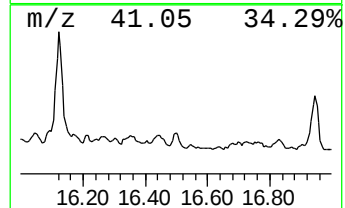
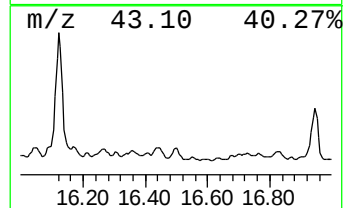
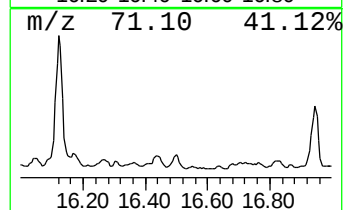
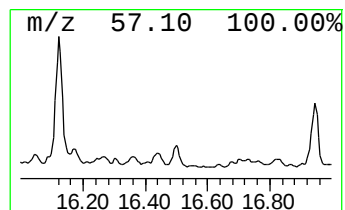
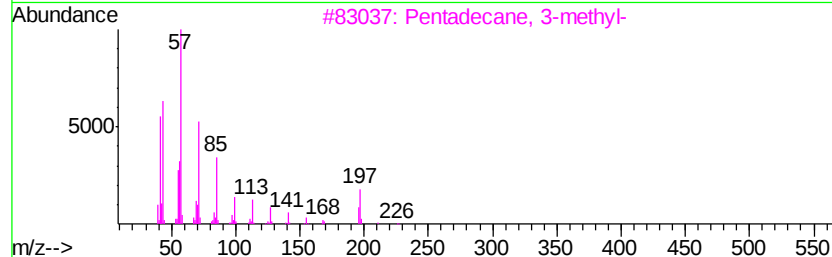
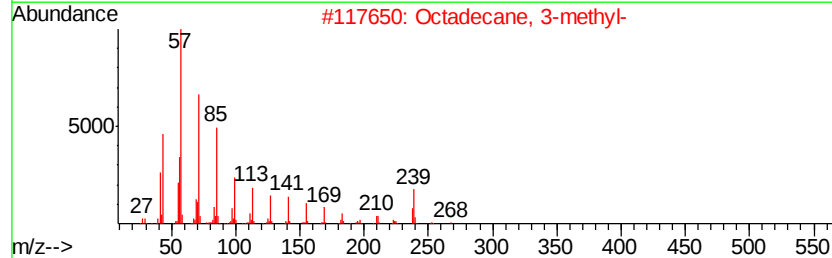
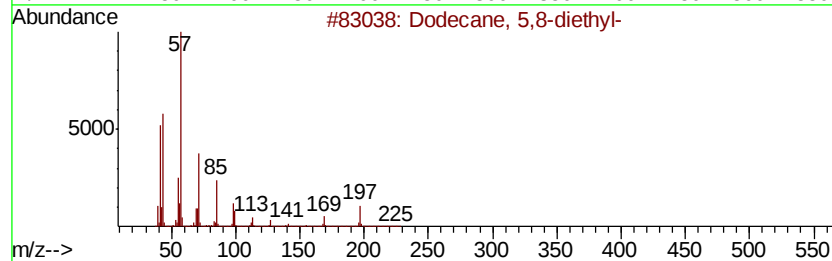
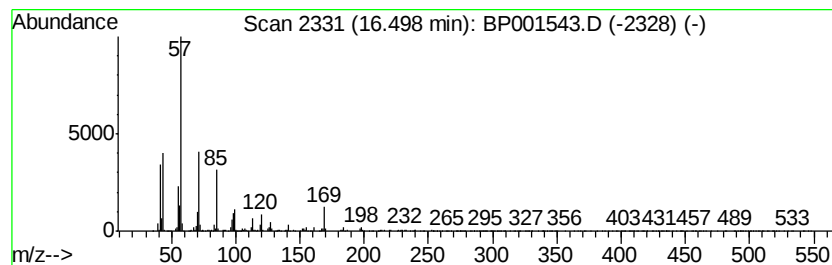
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 Dodecane, 5,8-diethyl- Concentration Rank 13

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 16.50 | 12.44 ng | 387063 | Phenanthrene-d10 | 17.09 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Dodecane, 5,8-diethyl- | 226 | C16H34  | 024251-86-3 | 86   |
| 2    |    | Octadecane, 3-methyl-  | 268 | C19H40  | 006561-44-0 | 83   |
| 3    |    | Pentadecane, 3-methyl- | 226 | C16H34  | 002882-96-4 | 83   |
| 4    |    | Eicosane               | 282 | C20H42  | 000112-95-8 | 80   |
| 5    |    | Tridecane, 2-methyl-   | 198 | C14H30  | 001560-96-9 | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\  
Data File : BP001543.D  
Acq On : 06 Jan 2020 22:42  
Operator : JU  
Sample : K6463-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
GP-5C-(5-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

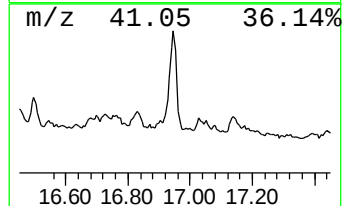
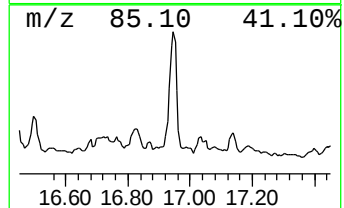
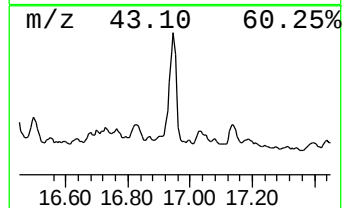
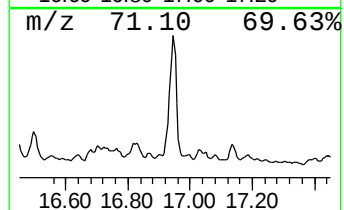
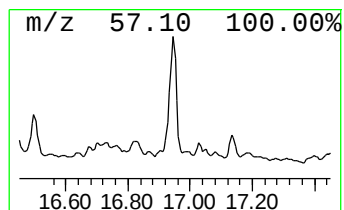
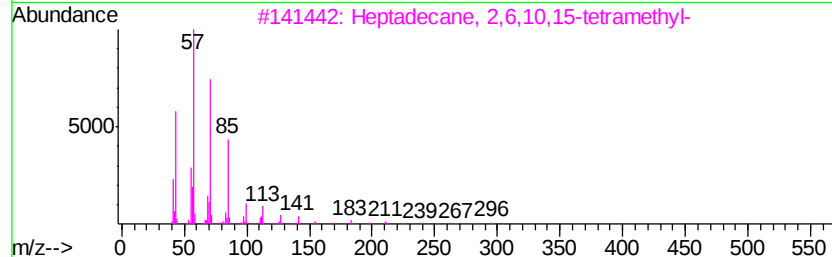
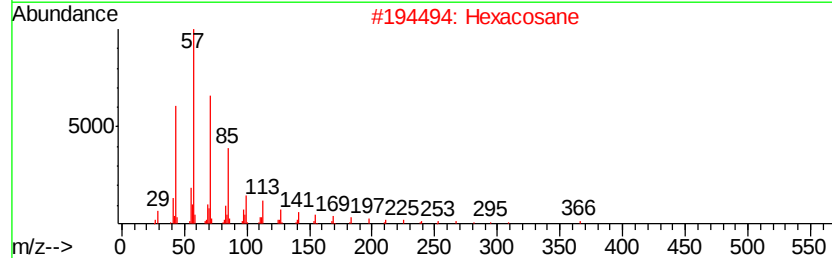
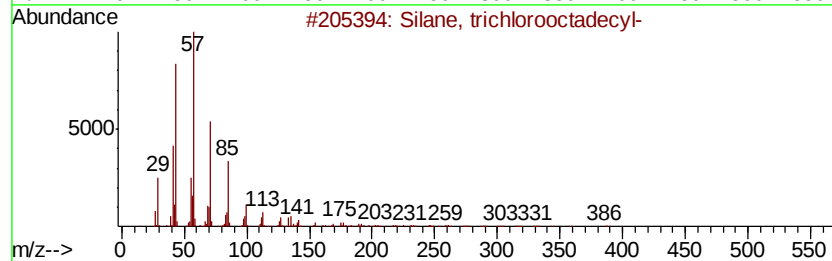
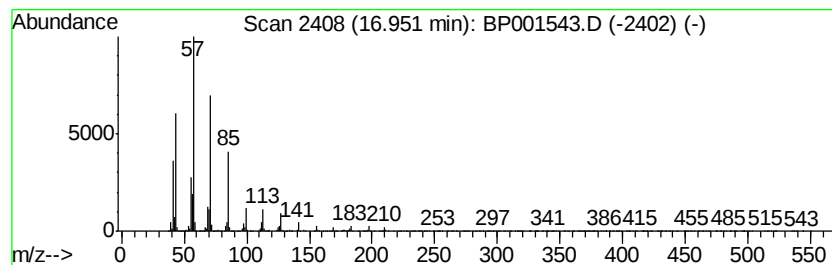
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 19 Silane, trichlorooctadecyl- Concentration Rank 3

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 16.95 | 52.25 ng | 1625250 | Phenanthrene-d10 | 17.09 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|-------------------------------------|-----|-------------|-------------|------|
| 1    | 5  | Silane, trichlorooctadecyl-         | 386 | C18H37Cl3Si | 000112-04-9 | 93   |
| 2    |    | Hexacosane                          | 366 | C26H54      | 000630-01-3 | 93   |
| 3    |    | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44      | 054833-48-6 | 91   |
| 4    |    | Heptadecane, 9-octyl-               | 352 | C25H52      | 007225-64-1 | 90   |
| 5    |    | Tetracosane                         | 338 | C24H50      | 000646-31-1 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\  
Data File : BP001543.D  
Acq On : 06 Jan 2020 22:42  
Operator : JU  
Sample : K6463-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
GP-5C-(5-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

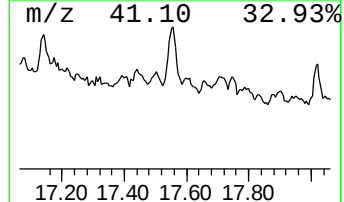
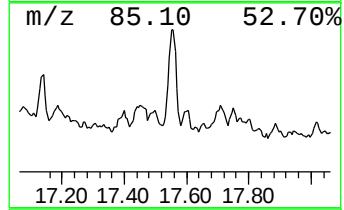
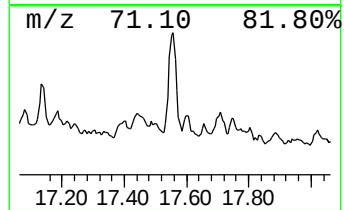
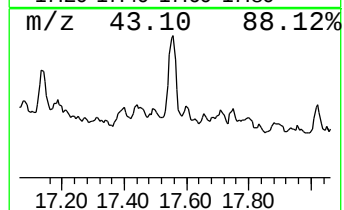
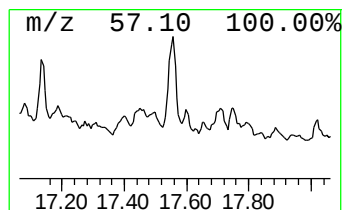
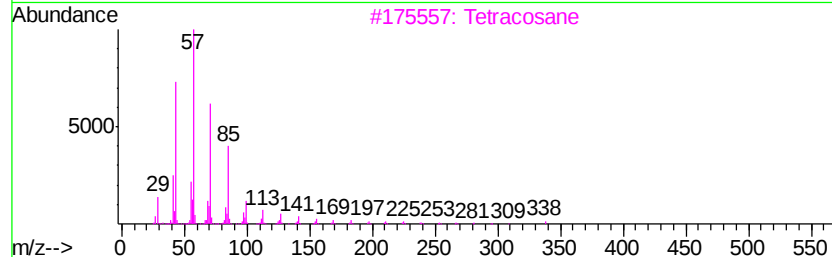
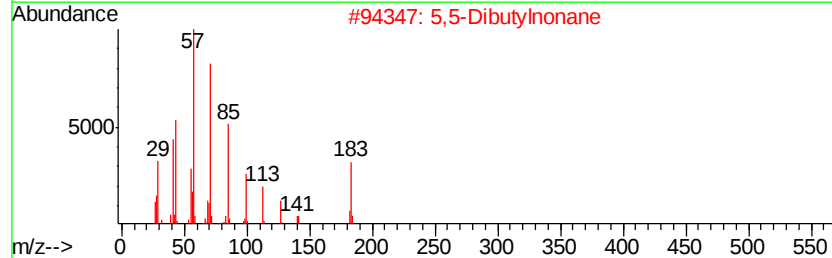
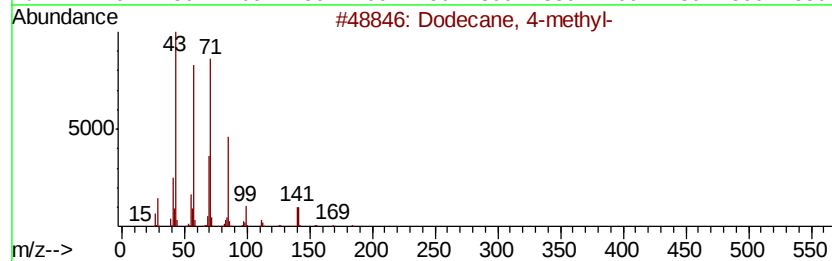
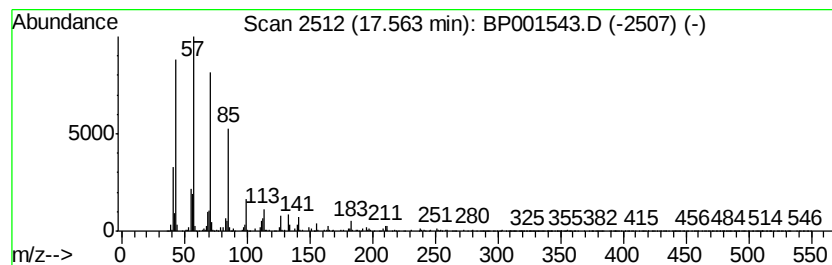
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Dodecane, 4-methyl- Concentration Rank 11

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 17.56 | 14.78 ng | 459745 | Phenanthrene-d10 | 17.09 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Dodecane, 4-methyl-    | 184 | C13H28  | 006117-97-1 | 91   |
| 2    |    | 5,5-Dibutylnonane      | 240 | C17H36  | 006008-17-9 | 91   |
| 3    |    | Tetracosane            | 338 | C24H50  | 000646-31-1 | 90   |
| 4    |    | Heptadecane, 9-octyl-  | 352 | C25H52  | 007225-64-1 | 90   |
| 5    |    | Tetradecane, 3-methyl- | 212 | C15H32  | 018435-22-8 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_P\DATA\BP010620\  
 Data File : BP001543.D  
 Acq On : 06 Jan 2020 22:42  
 Operator : JU  
 Sample : K6463-05  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 GP-5C-(5-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP010320.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 |
| 2-Pentanone, 4-hy... | 4.87  | 11.2    | ng    | 255533   | 1                     | 7.68  | 454503  | 20.0 |
| unknown7.23          | 7.23  | 62.8    | ng    | 1426670  | 1                     | 7.68  | 454503  | 20.0 |
| Undecane, 4,6-dim... | 10.66 | 12.4    | ng    | 507269   | 2                     | 10.46 | 816972  | 20.0 |
| Decane, 2,6,7-tri... | 11.52 | 29.2    | ng    | 1192490  | 2                     | 10.46 | 816972  | 20.0 |
| Sulfurous acid, c... | 11.89 | 8.2     | ng    | 334761   | 2                     | 10.46 | 816972  | 20.0 |
| Sulfurous acid, b... | 12.15 | 21.9    | ng    | 895223   | 2                     | 10.46 | 816972  | 20.0 |
| Sulfurous acid, b... | 12.38 | 13.8    | ng    | 563171   | 2                     | 10.46 | 816972  | 20.0 |
| Heptylcyclohexane    | 12.61 | 10.9    | ng    | 768483   | 3                     | 14.33 | 1417160 | 20.0 |
| Hexadecane, 2,6,1... | 12.89 | 25.2    | ng    | 1786070  | 3                     | 14.33 | 1417160 | 20.0 |
| unknown13.20         | 13.20 | 9.8     | ng    | 697896   | 3                     | 14.33 | 1417160 | 20.0 |
| Tetradecane          | 13.27 | 7.4     | ng    | 526163   | 3                     | 14.33 | 1417160 | 20.0 |
| Heptadecane, 2,6,... | 13.85 | 46.9    | ng    | 3324260  | 3                     | 14.33 | 1417160 | 20.0 |
| unknown14.89         | 14.89 | 17.7    | ng    | 1254050  | 3                     | 14.33 | 1417160 | 20.0 |
| Hexatriacontane      | 15.13 | 10.9    | ng    | 770120   | 3                     | 14.33 | 1417160 | 20.0 |
| Pentadecane, 2,6,... | 15.64 | 36.5    | ng    | 2589730  | 3                     | 14.33 | 1417160 | 20.0 |
| Pentadecane, 2,6,... | 16.12 | 87.9    | ng    | 2733230  | 4                     | 17.09 | 622052  | 20.0 |
| Dodecane, 5,8-die... | 16.50 | 12.4    | ng    | 387063   | 4                     | 17.09 | 622052  | 20.0 |
| Silane, trichloro... | 16.95 | 52.3    | ng    | 1625250  | 4                     | 17.09 | 622052  | 20.0 |
| Dodecane, 4-methyl-  | 17.56 | 14.8    | ng    | 459745   | 4                     | 17.09 | 622052  | 20.0 |