

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052223\  
 Data File : BG057502.D  
 Acq On : 22 May 2023 20:44  
 Operator : CG/JU  
 Sample : 02840-02  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-1

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\_G\Methods\8270-BG042723.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG057502.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         | 5.385       | 308           | 314         | 323          | rBB      | 22473          | 34963         | 3.98%           | 0.474%        |
| 2         | 5.873       | 391           | 397         | 407          | rBV      | 195691         | 327260        | 37.27%          | 4.439%        |
| 3         | 7.500       | 667           | 674         | 684          | rBV      | 208676         | 369660        | 42.09%          | 5.014%        |
| 4         | 8.358       | 813           | 820         | 826          | rBV      | 65689          | 116536        | 13.27%          | 1.581%        |
| 5         | 9.462       | 997           | 1008        | 1012         | rBV4     | 7456           | 20179         | 2.30%           | 0.274%        |
| 6         | 9.533       | 1012          | 1020        | 1029         | rVV      | 127336         | 237598        | 27.06%          | 3.223%        |
| 7         | 9.897       | 1075          | 1082        | 1087         | rBV7     | 4028           | 8839          | 1.01%           | 0.120%        |
| 8         | 9.979       | 1090          | 1096        | 1100         | rBV6     | 5941           | 11114         | 1.27%           | 0.151%        |
| 9         | 10.096      | 1111          | 1116        | 1124         | rVB5     | 9701           | 18988         | 2.16%           | 0.258%        |
| 10        | 10.214      | 1128          | 1136        | 1140         | rBV6     | 6795           | 16166         | 1.84%           | 0.219%        |
| 11        | 10.279      | 1140          | 1147        | 1151         | rBV5     | 5966           | 11270         | 1.28%           | 0.153%        |
| 12        | 10.355      | 1156          | 1160        | 1164         | rBV2     | 8872           | 12362         | 1.41%           | 0.168%        |
| 13        | 10.484      | 1176          | 1182        | 1187         | rBV7     | 4014           | 11328         | 1.29%           | 0.154%        |
| 14        | 10.749      | 1218          | 1227        | 1233         | rBV8     | 5054           | 14823         | 1.69%           | 0.201%        |
| 15        | 10.878      | 1242          | 1249        | 1253         | rVB9     | 7418           | 14045         | 1.60%           | 0.190%        |
| 16        | 10.948      | 1256          | 1261        | 1266         | rBV6     | 5604           | 11644         | 1.33%           | 0.158%        |
| 17        | 11.013      | 1269          | 1272        | 1276         | rVV5     | 6137           | 10162         | 1.16%           | 0.138%        |
| 18        | 11.060      | 1277          | 1280        | 1285         | rVV7     | 8051           | 13981         | 1.59%           | 0.190%        |
| 19        | 11.124      | 1285          | 1291        | 1292         | rVV5     | 7459           | 13082         | 1.49%           | 0.177%        |
| 20        | 11.195      | 1296          | 1303        | 1316         | rVV      | 93694          | 192594        | 21.93%          | 2.612%        |
| 21        | 11.307      | 1317          | 1322        | 1328         | rVB5     | 15141          | 27809         | 3.17%           | 0.377%        |
| 22        | 11.383      | 1329          | 1335        | 1342         | rBV5     | 11464          | 27021         | 3.08%           | 0.366%        |
| 23        | 11.524      | 1354          | 1359        | 1364         | rBV8     | 7174           | 15307         | 1.74%           | 0.208%        |
| 24        | 11.594      | 1366          | 1371        | 1376         | rBV8     | 7345           | 17569         | 2.00%           | 0.238%        |
| 25        | 11.665      | 1379          | 1383        | 1388         | rVB3     | 17543          | 25440         | 2.90%           | 0.345%        |
| 26        | 11.865      | 1409          | 1417        | 1422         | rBV8     | 16064          | 31563         | 3.59%           | 0.428%        |
| 27        | 11.994      | 1435          | 1439        | 1441         | rBV3     | 7410           | 11221         | 1.28%           | 0.152%        |
| 28        | 12.158      | 1461          | 1467        | 1471         | rBV      | 93317          | 146694        | 16.70%          | 1.990%        |
| 29        | 12.211      | 1471          | 1476        | 1480         | rVV4     | 19814          | 40147         | 4.57%           | 0.545%        |
| 30        | 12.258      | 1480          | 1484        | 1489         | rVB6     | 10294          | 18451         | 2.10%           | 0.250%        |
| 31        | 12.352      | 1496          | 1500        | 1506         | rVB6     | 14459          | 23523         | 2.68%           | 0.319%        |
| 32        | 12.434      | 1506          | 1514        | 1519         | rBV6     | 19118          | 45390         | 5.17%           | 0.616%        |
| 33        | 12.534      | 1528          | 1531        | 1535         | rBV3     | 9687           | 12371         | 1.41%           | 0.168%        |
| 34        | 12.740      | 1562          | 1566        | 1567         | rBV4     | 12557          | 16162         | 1.84%           | 0.219%        |
| 35        | 12.893      | 1587          | 1592        | 1597         | rVB9     | 14350          | 28212         | 3.21%           | 0.383%        |
| 36        | 12.957      | 1597          | 1603        | 1605         | rBV6     | 14975          | 28541         | 3.25%           | 0.387%        |

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 Sample : 02840-02  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-1

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\_G\Methods\8270-BG042723.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 13.181 | 1635 | 1641 | 1646 | rBV8 | 13616  | 30571  | 3.48%  | 0.415% |
| 38 | 13.239 | 1646 | 1651 | 1657 | rVB3 | 24450  | 44347  | 5.05%  | 0.601% |
| 39 | 13.421 | 1679 | 1682 | 1686 | rVB5 | 16268  | 20848  | 2.37%  | 0.283% |
| 40 | 13.474 | 1686 | 1691 | 1698 | rBV  | 120172 | 179240 | 20.41% | 2.431% |
| 41 | 13.592 | 1705 | 1711 | 1721 | rVB  | 367774 | 551659 | 62.82% | 7.482% |
| 42 | 13.768 | 1733 | 1741 | 1749 | rBV8 | 38854  | 100875 | 11.49% | 1.368% |
| 43 | 13.838 | 1749 | 1753 | 1758 | rBV8 | 16479  | 30124  | 3.43%  | 0.409% |
| 44 | 13.997 | 1777 | 1780 | 1784 | rVB5 | 10041  | 14503  | 1.65%  | 0.197% |
| 45 | 14.279 | 1826 | 1828 | 1831 | rVB4 | 11424  | 11543  | 1.31%  | 0.157% |
| 46 | 14.402 | 1842 | 1849 | 1854 | rBV3 | 153185 | 277224 | 31.57% | 3.760% |
| 47 | 14.449 | 1854 | 1857 | 1864 | rVB7 | 19900  | 43061  | 4.90%  | 0.584% |
| 48 | 14.608 | 1882 | 1884 | 1888 | rVB2 | 17669  | 20384  | 2.32%  | 0.276% |
| 49 | 14.702 | 1897 | 1900 | 1904 | rVB5 | 23442  | 33315  | 3.79%  | 0.452% |
| 50 | 14.790 | 1911 | 1915 | 1917 | rBV2 | 21627  | 31477  | 3.58%  | 0.427% |
| 51 | 14.896 | 1928 | 1933 | 1935 | rBV6 | 15452  | 26169  | 2.98%  | 0.355% |
| 52 | 14.931 | 1936 | 1939 | 1940 | rVV3 | 17669  | 21307  | 2.43%  | 0.289% |
| 53 | 14.966 | 1940 | 1945 | 1951 | rVB  | 137187 | 230118 | 26.20% | 3.121% |
| 54 | 15.025 | 1952 | 1955 | 1958 | rBV4 | 12907  | 15809  | 1.80%  | 0.214% |
| 55 | 15.154 | 1974 | 1977 | 1987 | rVB7 | 15587  | 30329  | 3.45%  | 0.411% |
| 56 | 15.254 | 1989 | 1994 | 1999 | rBV7 | 15268  | 36523  | 4.16%  | 0.495% |
| 57 | 15.307 | 2000 | 2003 | 2008 | rVB  | 22467  | 28203  | 3.21%  | 0.383% |
| 58 | 15.360 | 2008 | 2012 | 2016 | rVB5 | 21335  | 34839  | 3.97%  | 0.473% |
| 59 | 15.425 | 2020 | 2023 | 2026 | rBV2 | 35771  | 46900  | 5.34%  | 0.636% |
| 60 | 15.495 | 2033 | 2035 | 2039 | rVB3 | 17667  | 20096  | 2.29%  | 0.273% |
| 61 | 15.571 | 2044 | 2048 | 2053 | rBV7 | 18306  | 33335  | 3.80%  | 0.452% |
| 62 | 15.754 | 2075 | 2079 | 2085 | rVB2 | 48102  | 75674  | 8.62%  | 1.026% |
| 63 | 15.818 | 2085 | 2090 | 2095 | rBV4 | 16296  | 29190  | 3.32%  | 0.396% |
| 64 | 16.159 | 2141 | 2148 | 2153 | rBV  | 99843  | 176816 | 20.13% | 2.398% |
| 65 | 16.200 | 2153 | 2155 | 2160 | rVB5 | 17354  | 21205  | 2.41%  | 0.288% |
| 66 | 16.259 | 2162 | 2165 | 2169 | rVV5 | 14810  | 19833  | 2.26%  | 0.269% |
| 67 | 16.306 | 2169 | 2173 | 2178 | rVV2 | 37887  | 50545  | 5.76%  | 0.686% |
| 68 | 16.382 | 2182 | 2186 | 2192 | rVB5 | 24611  | 38884  | 4.43%  | 0.527% |
| 69 | 16.453 | 2192 | 2198 | 2204 | rBV  | 280932 | 446620 | 50.86% | 6.058% |
| 70 | 16.641 | 2221 | 2230 | 2242 | rBV  | 176102 | 348586 | 39.69% | 4.728% |
| 71 | 16.952 | 2281 | 2283 | 2288 | rVB6 | 11472  | 13521  | 1.54%  | 0.183% |
| 72 | 17.187 | 2320 | 2323 | 2325 | rBV3 | 8908   | 11979  | 1.36%  | 0.162% |
| 73 | 17.404 | 2357 | 2360 | 2365 | rVV  | 36842  | 40937  | 4.66%  | 0.555% |
| 74 | 17.457 | 2365 | 2369 | 2373 | rVB  | 65441  | 91116  | 10.38% | 1.236% |
| 75 | 17.710 | 2406 | 2412 | 2417 | rBV  | 188808 | 293536 | 33.42% | 3.981% |
| 76 | 18.062 | 2469 | 2472 | 2475 | rBV  | 15970  | 18104  | 2.06%  | 0.246% |

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Instrument :  
 BNA\_G  
 ClientSampleId :  
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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\_G\Methods\8270-BG042723.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |         |         |
|----|--------|------|------|------|------|--------|--------|---------|---------|
| 77 | 18.144 | 2482 | 2486 | 2491 | rVB2 | 38612  | 52505  | 5.98%   | 0.712%  |
| 78 | 18.579 | 2557 | 2560 | 2562 | rBV4 | 9010   | 11713  | 1.33%   | 0.159%  |
| 79 | 18.826 | 2598 | 2602 | 2607 | rVB2 | 30867  | 40569  | 4.62%   | 0.550%  |
| 80 | 19.278 | 2675 | 2679 | 2686 | rVB8 | 14342  | 29442  | 3.35%   | 0.399%  |
| 81 | 19.443 | 2704 | 2707 | 2710 | rBV  | 21190  | 22175  | 2.53%   | 0.301%  |
| 82 | 19.742 | 2754 | 2758 | 2762 | rVB2 | 10544  | 13731  | 1.56%   | 0.186%  |
| 83 | 20.007 | 2799 | 2803 | 2807 | rVB3 | 17451  | 24450  | 2.78%   | 0.332%  |
| 84 | 20.101 | 2816 | 2819 | 2824 | rVB  | 14360  | 22556  | 2.57%   | 0.306%  |
| 85 | 20.277 | 2843 | 2849 | 2854 | rVB  | 699060 | 878194 | 100.00% | 11.911% |
| 86 | 20.535 | 2890 | 2893 | 2898 | rBV6 | 11249  | 16674  | 1.90%   | 0.226%  |
| 87 | 21.575 | 3065 | 3070 | 3079 | rBV6 | 14983  | 36421  | 4.15%   | 0.494%  |
| 88 | 22.016 | 3138 | 3145 | 3151 | rBV2 | 193405 | 335585 | 38.21%  | 4.552%  |
| 89 | 25.505 | 3730 | 3739 | 3750 | rVB2 | 105632 | 317528 | 36.16%  | 4.307%  |

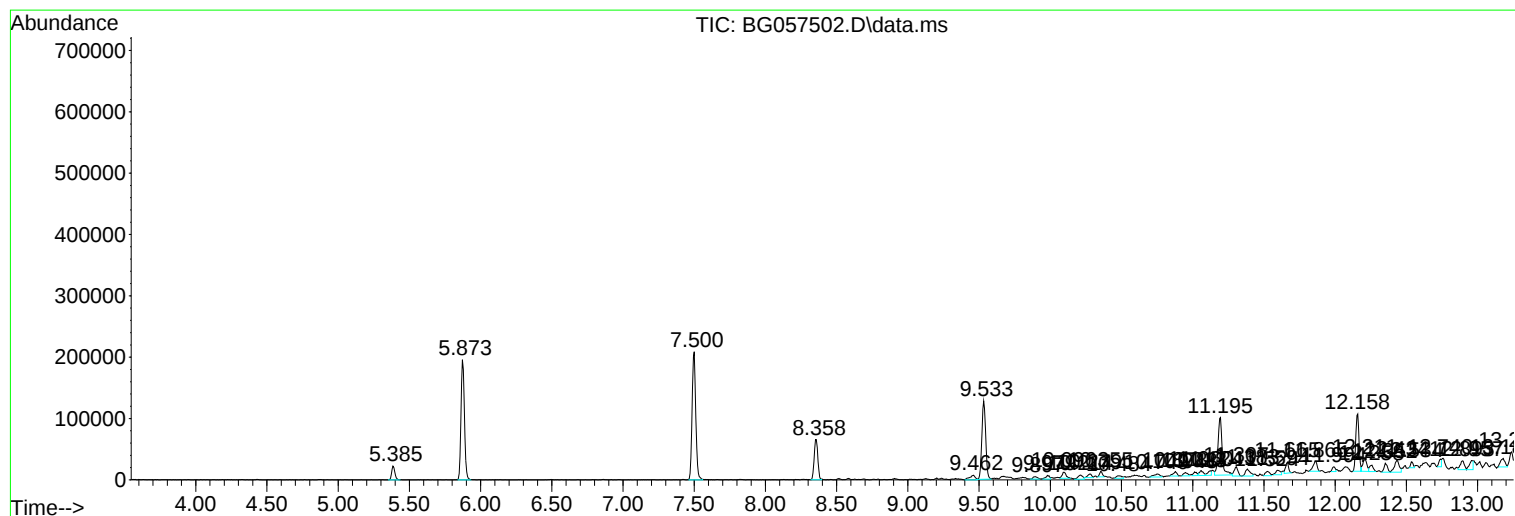
Sum of corrected areas: 7372903

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052223\  
Data File : BG057502.D  
Acq On : 22 May 2023 20:44  
Operator : CG/JU  
Sample : 02840-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042723.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\_G\Data\BG052223\  
Data File : BG057502.D  
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Sample : 02840-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

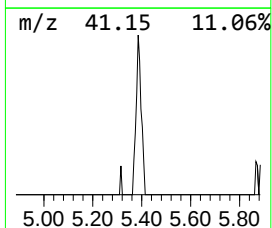
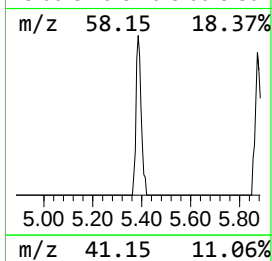
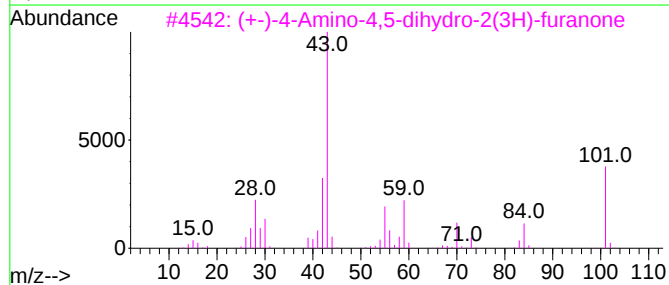
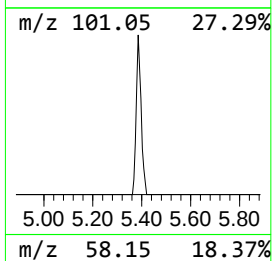
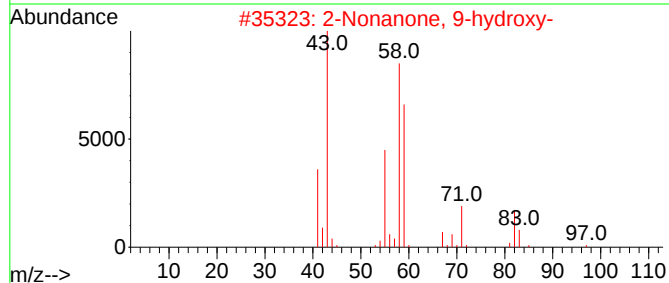
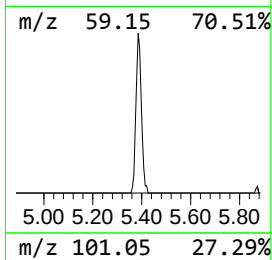
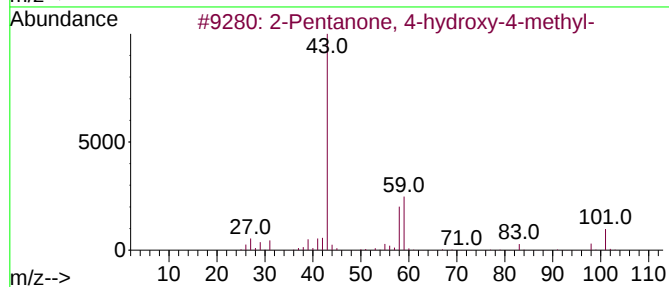
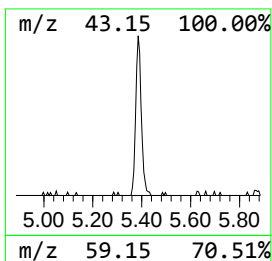
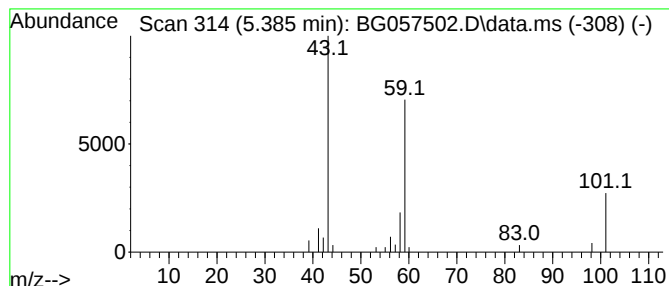
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 5.385 | 6.00 ng | 34963 | 1,4-Dichlorobenzene-d4 | 8.358 |

| Hit# | of                                 | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl-   | 116 | C6H12O2      | 000123-42-2 | 56      |      |      |
| 2    | 2-Nonanone, 9-hydroxy-             | 158 | C9H18O2      | 025368-56-3 | 33      |      |      |
| 3    | (+)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2      | 016504-58-8 | 25      |      |      |
| 4    | Butyl aldoxime, 3-methyl-, syn-    | 101 | C5H11NO      | 005780-40-5 | 17      |      |      |
| 5    | Guanidine                          | 59  | CH5N3        | 000113-00-8 | 9       |      |      |



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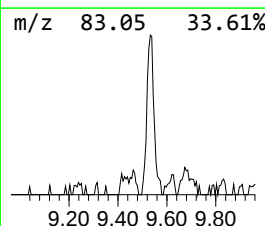
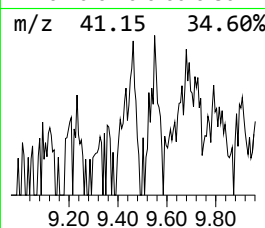
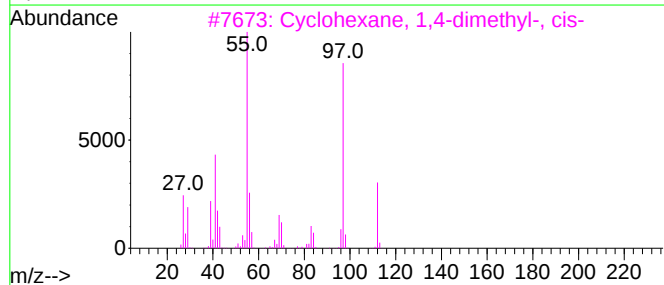
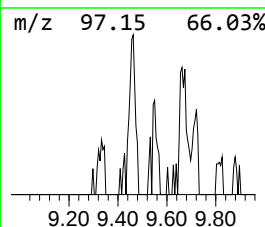
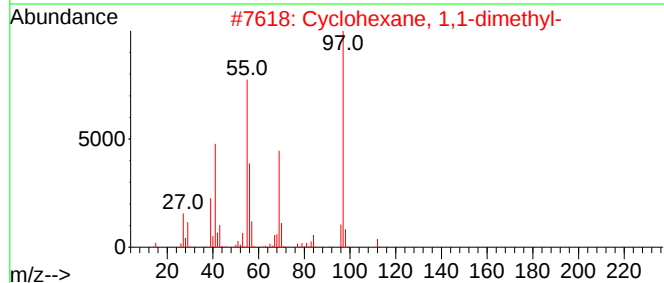
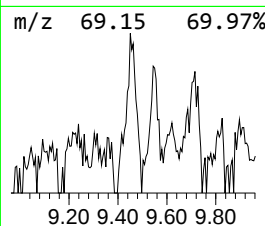
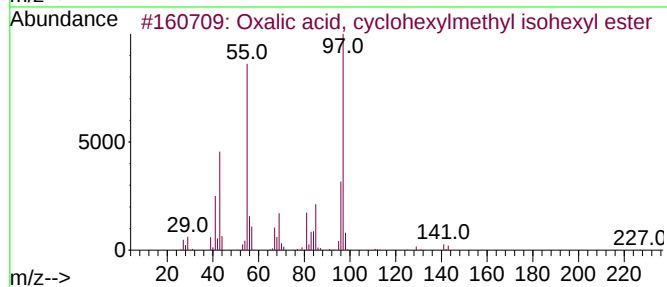
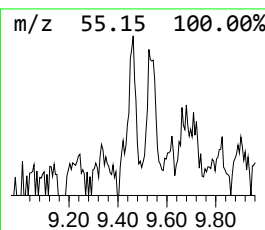
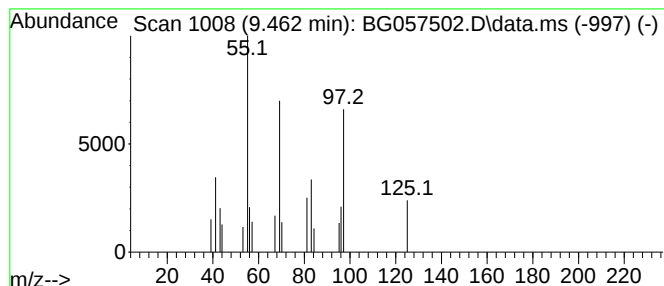
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Oxalic acid, cyclohexylmeth... Concentration Rank 17

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 9.462 | 3.46 ng | 20179 | 1,4-Dichlorobenzene-d4 | 8.358 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Oxalic acid, cyclohexylmethyl is... | 270 | C15H26O4 | 1000309-68-3 | 53   |
| 2    |    |   | Cyclohexane, 1,1-dimethyl-          | 112 | C8H16    | 000590-66-9  | 38   |
| 3    |    |   | Cyclohexane, 1,4-dimethyl-, cis-    | 112 | C8H16    | 000624-29-3  | 33   |
| 4    |    |   | Cycloheptanemethanol                | 128 | C8H16O   | 004448-75-3  | 32   |
| 5    |    |   | Cyclopentane, 2-isopropyl-1,3-di... | 140 | C10H20   | 032281-85-9  | 28   |



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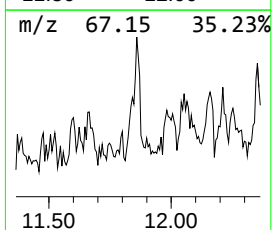
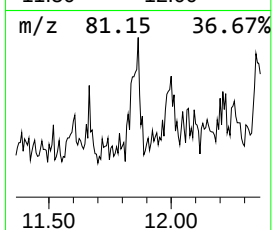
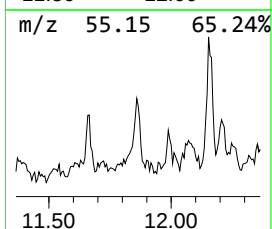
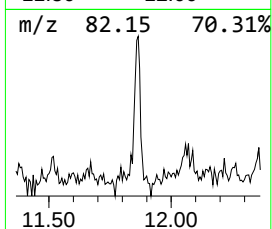
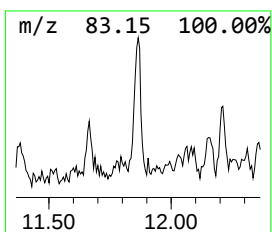
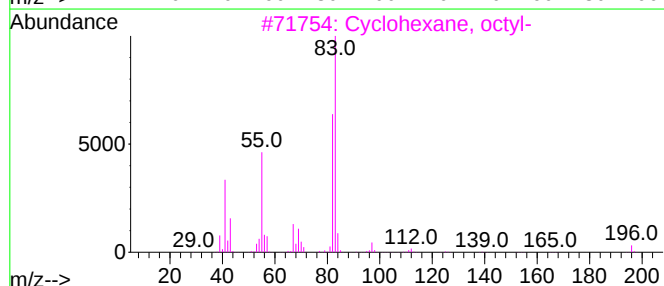
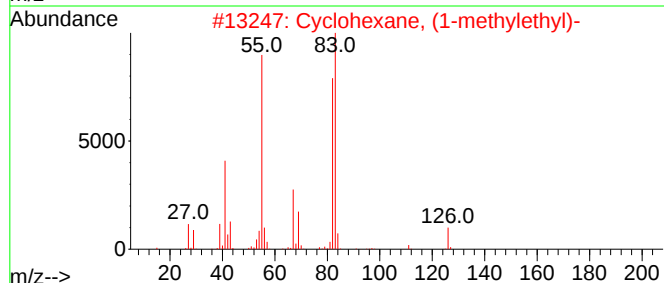
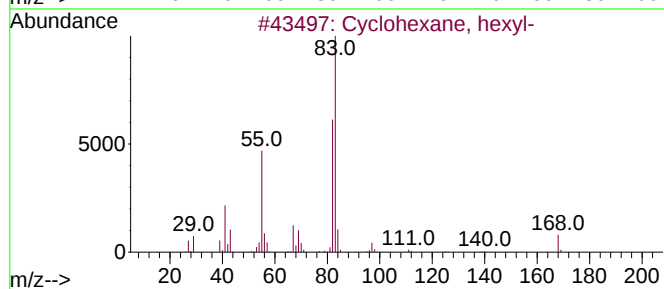
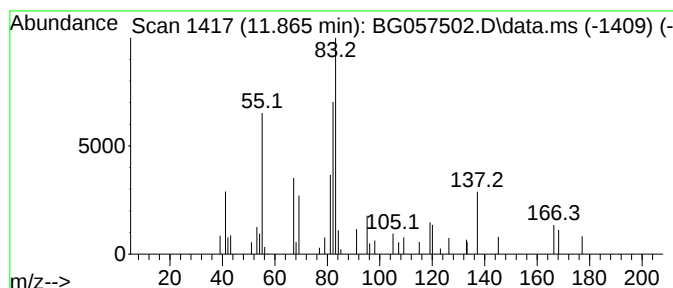
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TP-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 Cyclohexane, hexyl- Concentration Rank 18

| R.T.      | EstConc                            | Area  | Relative to ISTD | R.T.        |      |
|-----------|------------------------------------|-------|------------------|-------------|------|
| 11.865    | 3.28 ng                            | 31563 | Naphthalene-d8   | 11.195      |      |
| Hit# of 5 | Tentative ID                       | MW    | MolForm          | CAS#        | Qual |
| 1         | Cyclohexane, hexyl-                | 168   | C12H24           | 004292-75-5 | 50   |
| 2         | Cyclohexane, (1-methylethyl)-      | 126   | C9H18            | 000696-29-7 | 49   |
| 3         | Cyclohexane, octyl-                | 196   | C14H28           | 001795-15-9 | 47   |
| 4         | Cyclohexane, 1,1'-(1,4-butanedi... | 222   | C16H30           | 006165-44-2 | 47   |
| 5         | Cyclohexane, propyl-               | 126   | C9H18            | 001678-92-8 | 47   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052223\  
Data File : BG057502.D  
Acq On : 22 May 2023 20:44  
Operator : CG/JU  
Sample : 02840-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

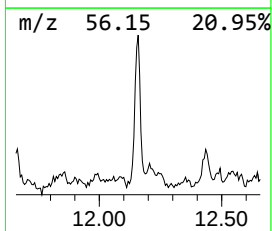
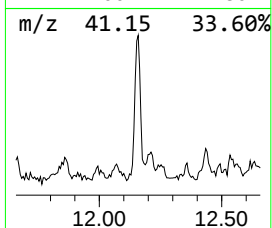
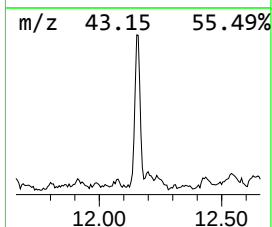
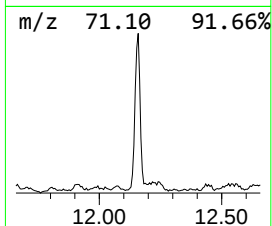
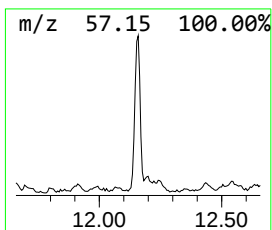
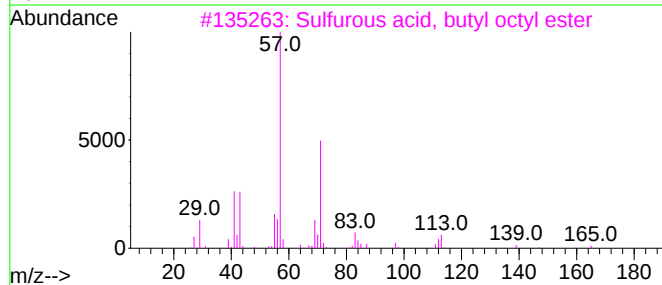
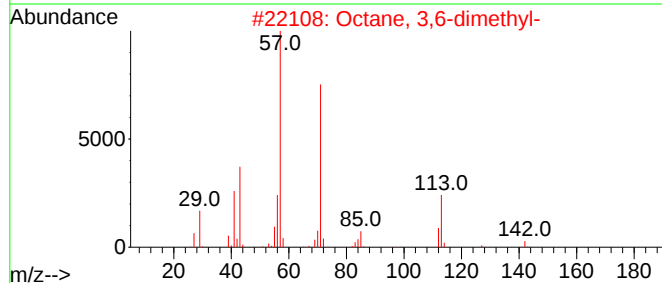
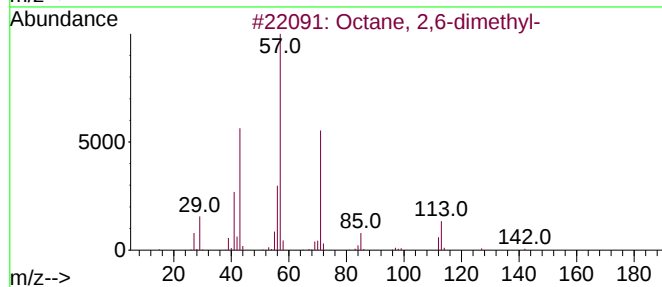
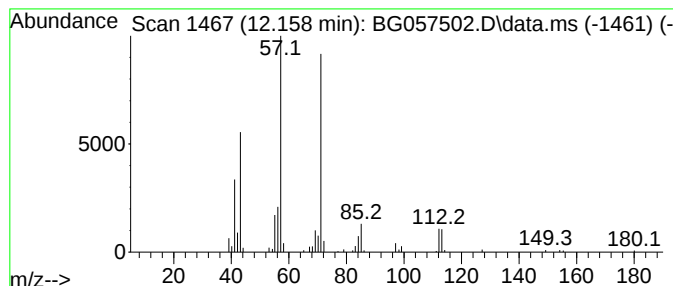
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 Octane, 2,6-dimethyl- Concentration Rank 5

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 12.158 | 15.23 ng | 146694 | Naphthalene-d8   | 11.195 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-----------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Octane, 2,6-dimethyl-             | 142 | C10H22    | 002051-30-1  | 90   |
| 2    |    |   | Octane, 3,6-dimethyl-             | 142 | C10H22    | 015869-94-0  | 78   |
| 3    |    |   | Sulfurous acid, butyl octyl ester | 250 | C12H26O3S | 1000309-17-5 | 72   |
| 4    |    |   | Decane, 2,6,7-trimethyl-          | 184 | C13H28    | 062108-25-2  | 59   |
| 5    |    |   | Octane, 2-bromo-                  | 192 | C8H17Br   | 000557-35-7  | 59   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052223\  
Data File : BG057502.D  
Acq On : 22 May 2023 20:44  
Operator : CG/JU  
Sample : 02840-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

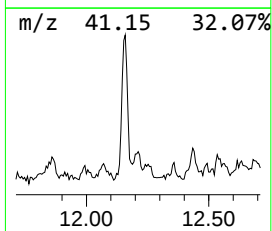
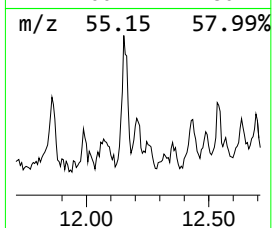
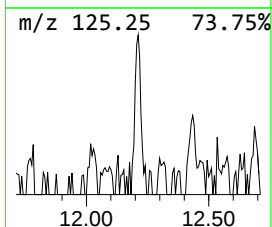
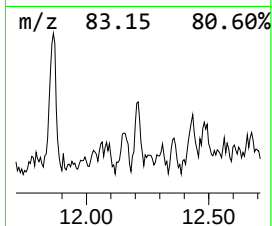
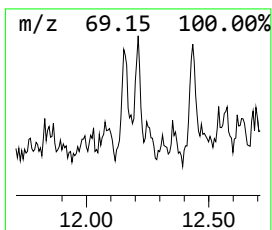
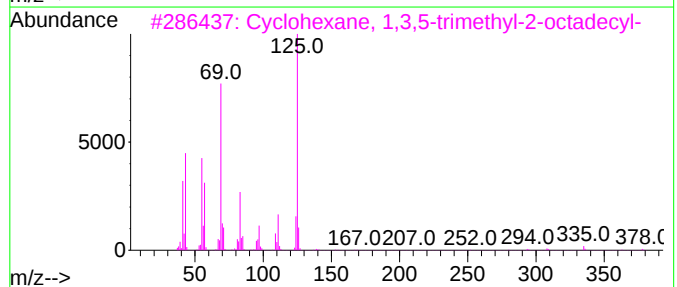
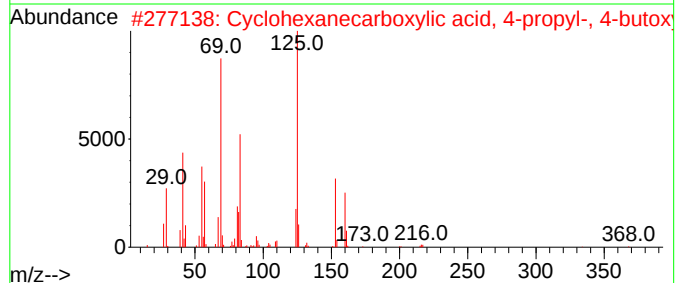
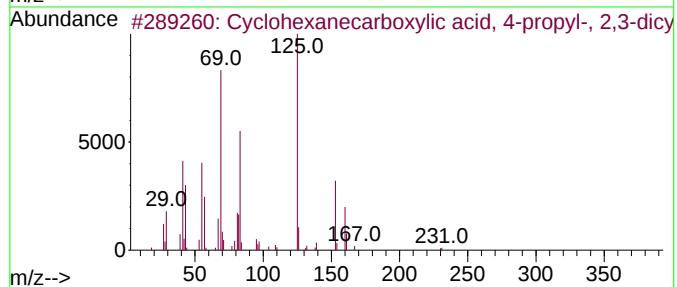
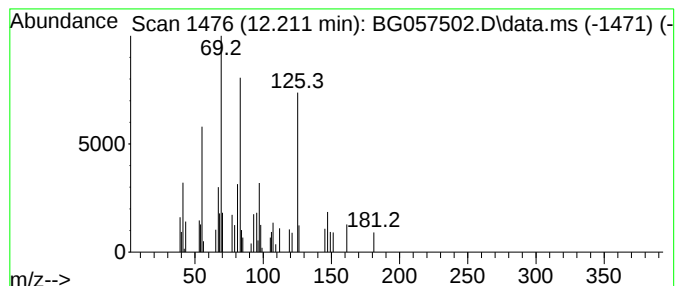
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Cyclohexanecarboxylic acid,... Concentration Rank 12

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 12.211 | 4.17 ng | 40147 | Naphthalene-d8   | 11.195 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Cyclohexanecarboxylic acid, 4-pr... | 382 | C23H30N2O3 | 075941-50-3  | 59   |
| 2    |    |   | Cyclohexanecarboxylic acid, 4-pr... | 368 | C22H28N2O3 | 075941-67-2  | 59   |
| 3    |    |   | Cyclohexane, 1,3,5-trimethyl-2-o... | 378 | C27H54     | 055282-34-3  | 47   |
| 4    |    |   | 2,2-Dimethyl-3-heptene trans        | 126 | C9H18      | 019550-75-5  | 43   |
| 5    |    |   | 2-Ethyl-1-pyrroline                 | 97  | C6H11N     | 1000422-81-4 | 18   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052223\  
Data File : BG057502.D  
Acq On : 22 May 2023 20:44  
Operator : CG/JU  
Sample : 02840-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

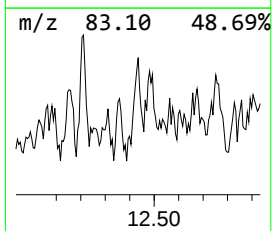
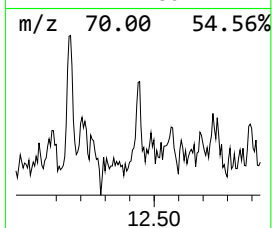
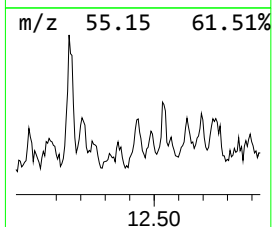
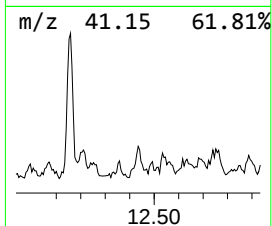
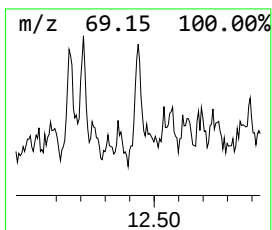
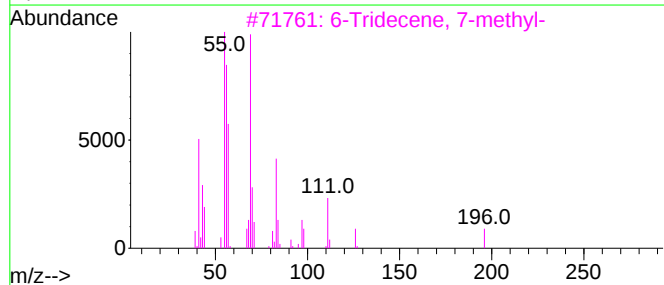
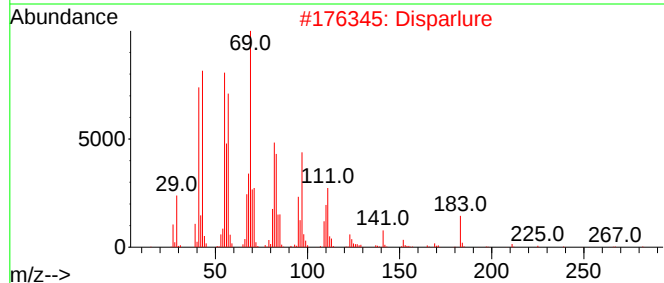
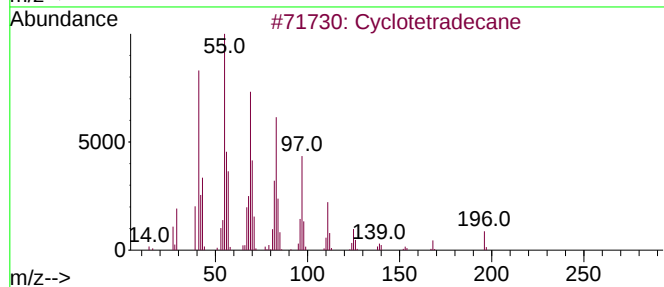
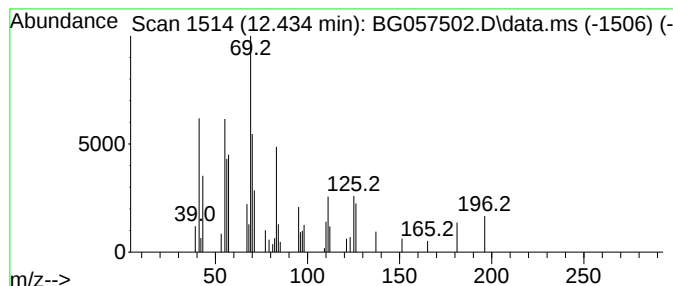
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 Cyclotetradecane Concentration Rank 10

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 12.435 | 4.71 ng | 45390 | Naphthalene-d8   | 11.195 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclotetradecane             | 196 | C14H28  | 000295-17-0 | 52   |
| 2    |    |   | Disparlure                   | 282 | C19H38O | 029804-22-6 | 52   |
| 3    |    |   | 6-Tridecene, 7-methyl-       | 196 | C14H28  | 024949-42-6 | 49   |
| 4    |    |   | 2,2-Dimethyl-3-heptene trans | 126 | C9H18   | 019550-75-5 | 46   |
| 5    |    |   | 1-Hexene, 3,3-dimethyl-      | 112 | C8H16   | 003404-77-1 | 45   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052223\  
Data File : BG057502.D  
Acq On : 22 May 2023 20:44  
Operator : CG/JU  
Sample : 02840-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

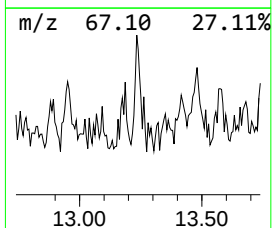
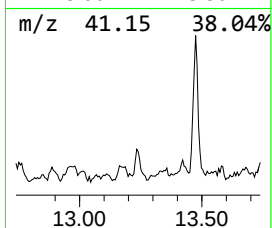
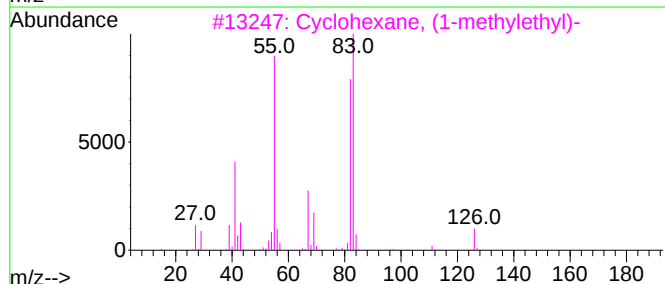
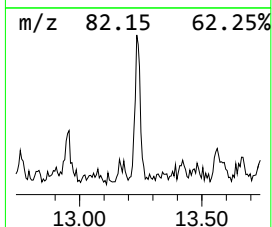
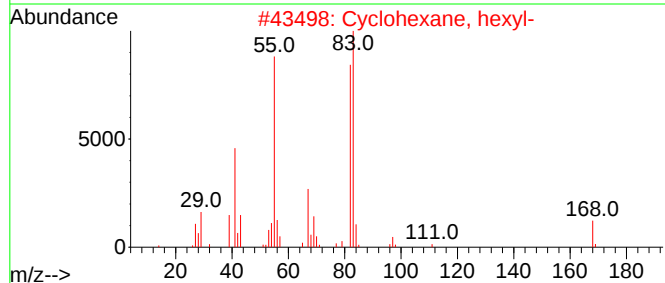
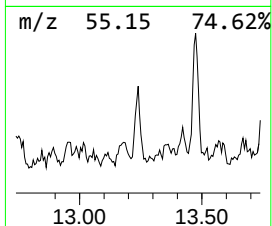
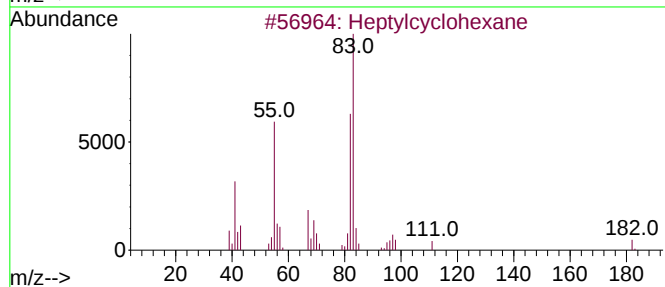
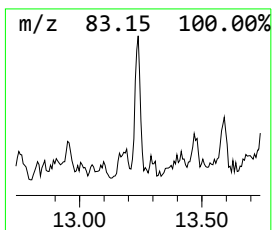
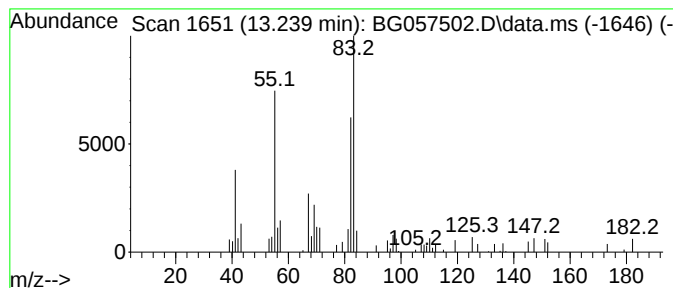
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 Heptylcyclohexane Concentration Rank 14

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 13.239 | 3.85 ng | 44347 | Acenaphthene-d10 | 14.966 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Heptylcyclohexane                   | 182 | C13H26  | 005617-41-4 | 90   |
| 2    |    |   | Cyclohexane, hexyl-                 | 168 | C12H24  | 004292-75-5 | 72   |
| 3    |    |   | Cyclohexane, (1-methylethyl)-       | 126 | C9H18   | 000696-29-7 | 72   |
| 4    |    |   | Cyclohexane, 1,1'-(1,4-butanediyl)- | 222 | C16H30  | 006165-44-2 | 72   |
| 5    |    |   | Cyclohexane, butyl-                 | 140 | C10H20  | 001678-93-9 | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052223\  
Data File : BG057502.D  
Acq On : 22 May 2023 20:44  
Operator : CG/JU  
Sample : 02840-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

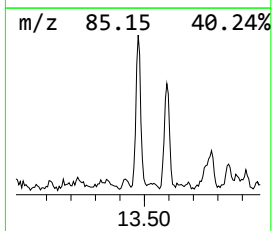
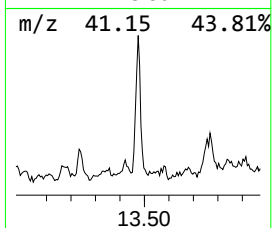
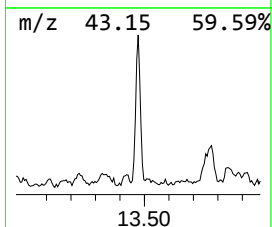
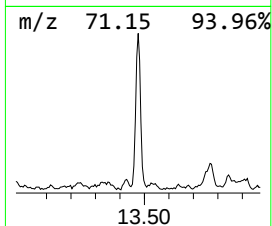
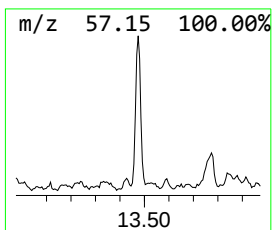
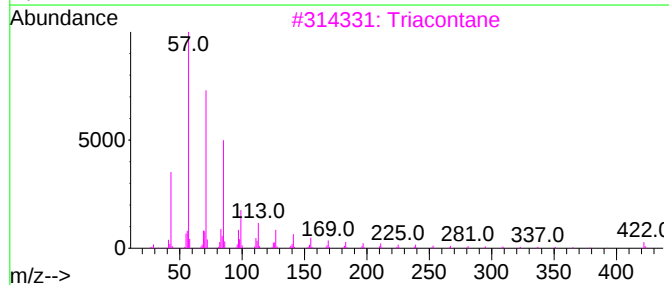
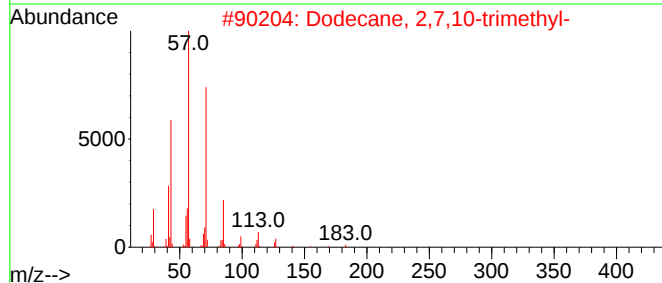
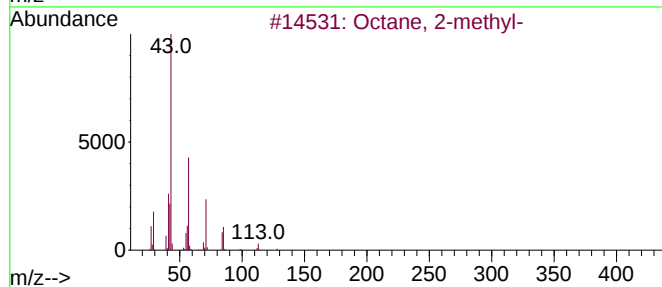
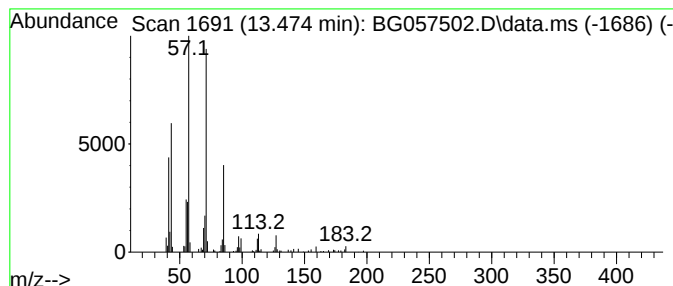
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 8 Octane, 2-methyl- Concentration Rank 3

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 13.474 | 15.58 ng | 179240 | Acenaphthene-d10 | 14.966 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm   | CAS#         | Qual |
|------|----|---|------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Octane, 2-methyl-                  | 128 | C9H20     | 003221-61-2  | 87   |
| 2    |    |   | Dodecane, 2,7,10-trimethyl-        | 212 | C15H32    | 074645-98-0  | 80   |
| 3    |    |   | Triacontane                        | 422 | C30H62    | 000638-68-6  | 72   |
| 4    |    |   | Dodecane, 2,6,10-trimethyl-        | 212 | C15H32    | 003891-98-3  | 59   |
| 5    |    |   | Sulfurous acid, hexyl pentyl ester | 236 | C11H24O3S | 1000309-14-1 | 58   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052223\  
Data File : BG057502.D  
Acq On : 22 May 2023 20:44  
Operator : CG/JU  
Sample : 02840-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

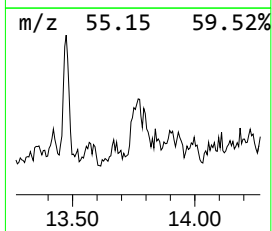
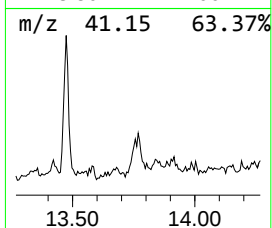
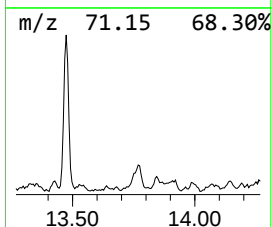
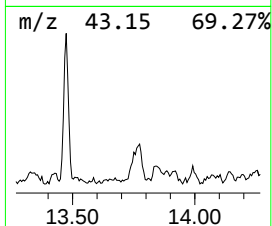
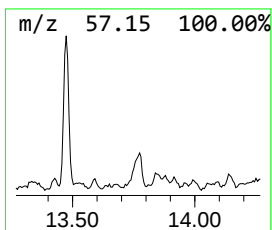
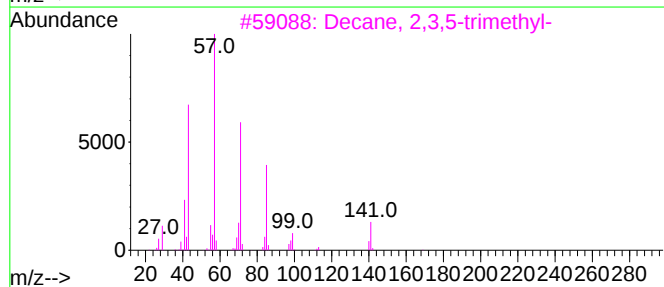
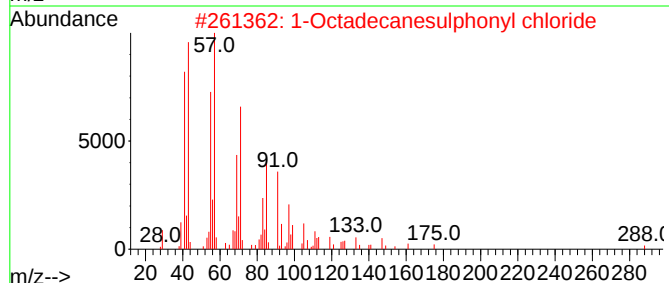
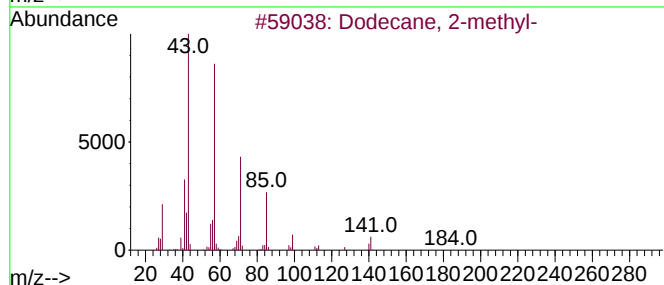
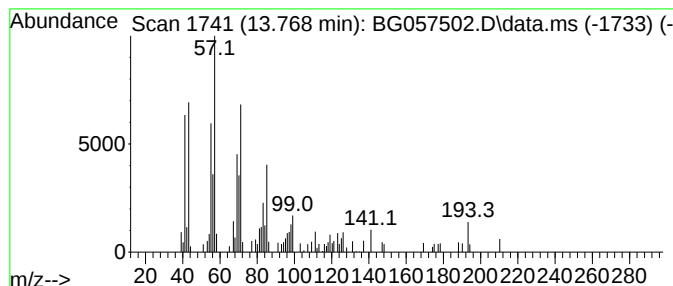
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 Dodecane, 2-methyl- Concentration Rank 6

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.768 | 8.77 ng | 100875 | Acenaphthene-d10 | 14.966 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm     | CAS#         | Qual |
|------|----|---|--------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Dodecane, 2-methyl-            | 184 | C13H28      | 001560-97-0  | 53   |
| 2    |    |   | 1-Octadecanesulphonyl chloride | 352 | C18H37ClO2S | 1000342-70-4 | 53   |
| 3    |    |   | Decane, 2,3,5-trimethyl-       | 184 | C13H28      | 062238-11-3  | 50   |
| 4    |    |   | Hexadecane                     | 226 | C16H34      | 000544-76-3  | 47   |
| 5    |    |   | Heptane, 3,4-dimethyl-         | 128 | C9H20       | 000922-28-1  | 47   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052223\  
Data File : BG057502.D  
Acq On : 22 May 2023 20:44  
Operator : CG/JU  
Sample : 02840-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

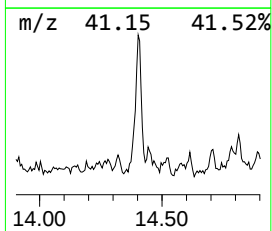
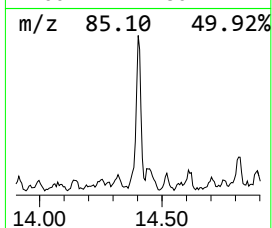
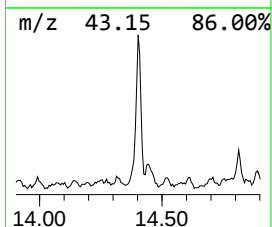
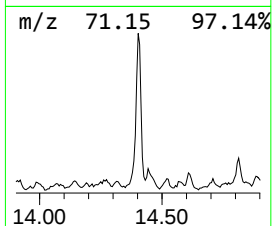
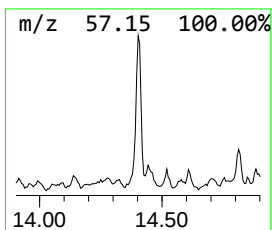
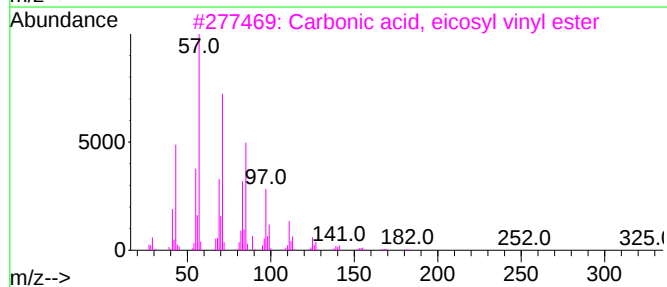
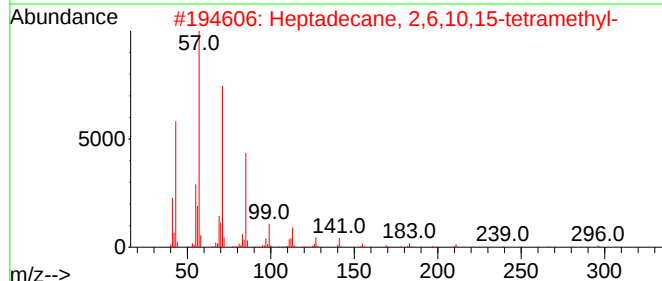
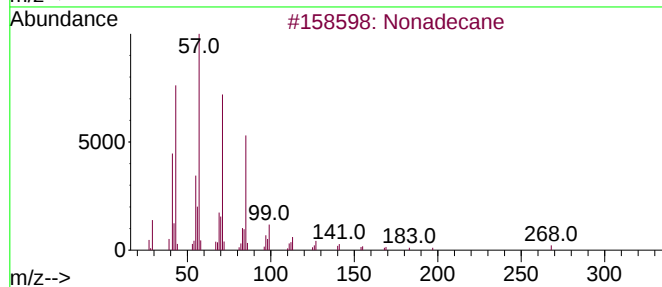
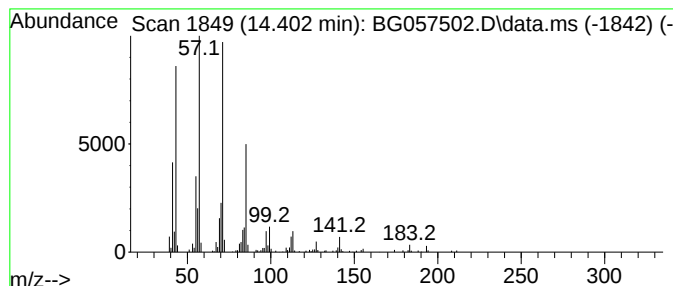
Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 10 Nonadecane Concentration Rank 1

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 14.402    | 24.09 ng                            | 277224 | Acenaphthene-d10 | 14.966       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Nonadecane                          | 268    | C19H40           | 000629-92-5  | 87   |
| 2         | Heptadecane, 2,6,10,15-tetramethyl- | 296    | C21H44           | 054833-48-6  | 87   |
| 3         | Carbonic acid, eicosyl vinyl ester  | 368    | C23H44O3         | 1000382-54-3 | 86   |
| 4         | Undecane, 2,6-dimethyl-             | 184    | C13H28           | 017301-23-4  | 80   |
| 5         | Decane, 5-propyl-                   | 184    | C13H28           | 017312-62-8  | 76   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052223\  
Data File : BG057502.D  
Acq On : 22 May 2023 20:44  
Operator : CG/JU  
Sample : 02840-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

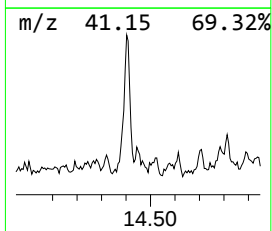
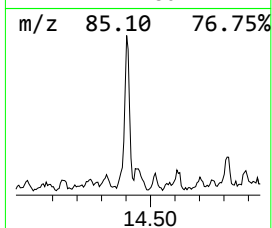
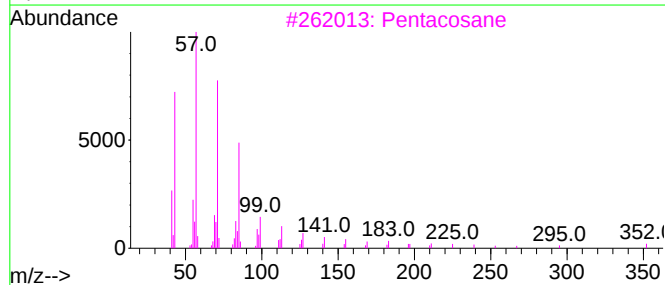
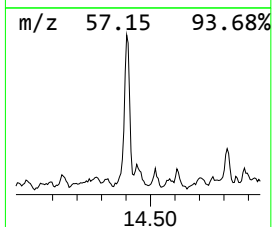
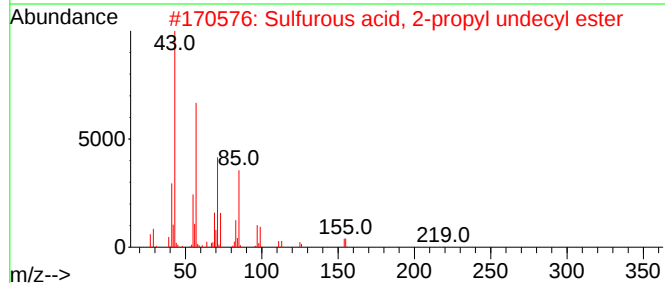
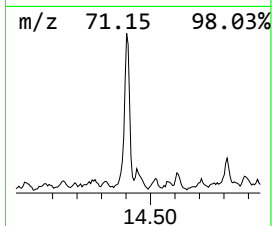
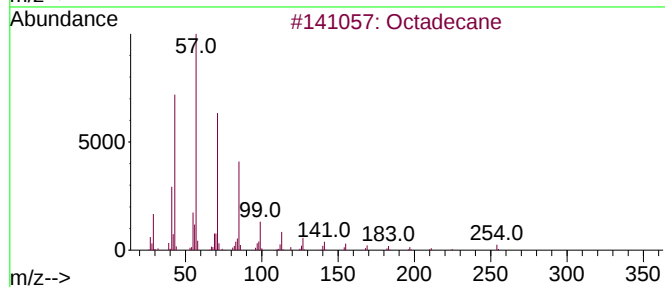
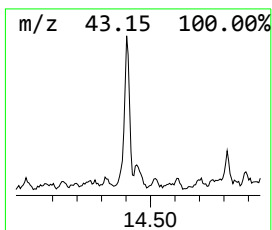
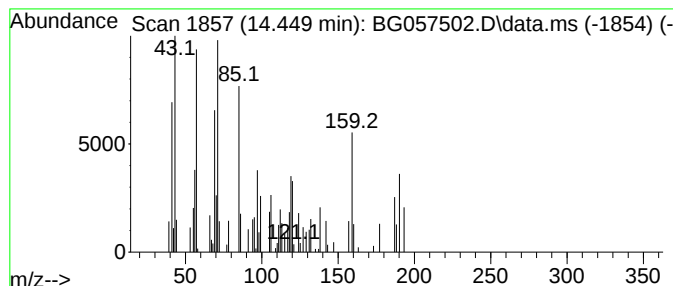
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 Octadecane Concentration Rank 15

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 14.449 | 3.74 ng | 43061 | Acenaphthene-d10 | 14.966 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|------|-------------------------------------|-----|-----------|--------------|------|
| 1    |      | Octadecane                          | 254 | C18H38    | 000593-45-3  | 38   |
| 2    |      | Sulfurous acid, 2-propyl undecyl... | 278 | C14H30O3S | 1000309-12-2 | 35   |
| 3    |      | Pentacosane                         | 352 | C25H52    | 000629-99-2  | 35   |
| 4    |      | Undecane, 2,3-dimethyl-             | 184 | C13H28    | 017312-77-5  | 35   |
| 5    |      | Sulfurous acid, butyl nonyl ester   | 264 | C13H28O3S | 1000309-17-6 | 35   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052223\  
Data File : BG057502.D  
Acq On : 22 May 2023 20:44  
Operator : CG/JU  
Sample : 02840-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

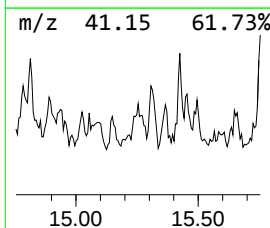
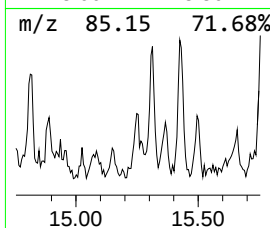
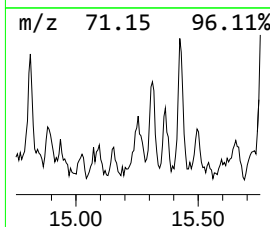
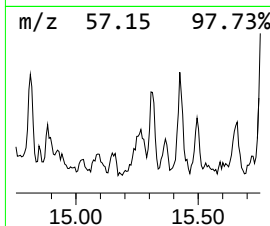
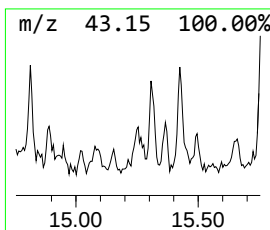
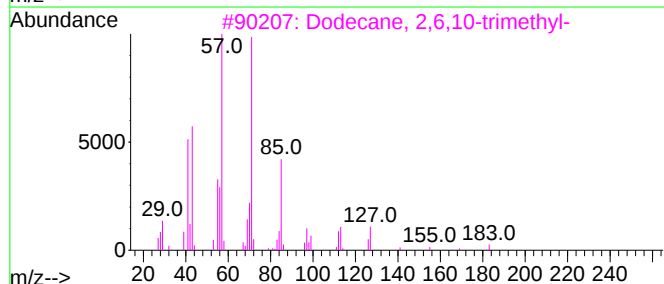
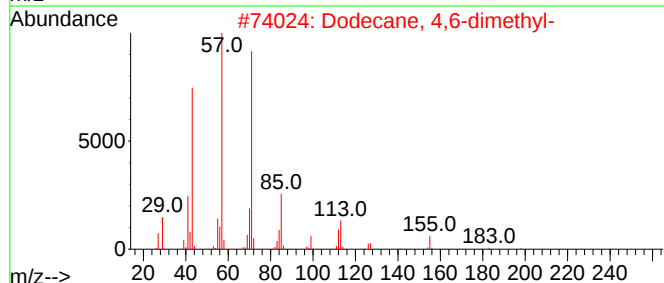
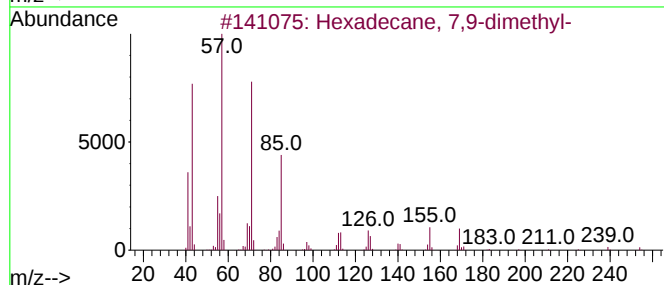
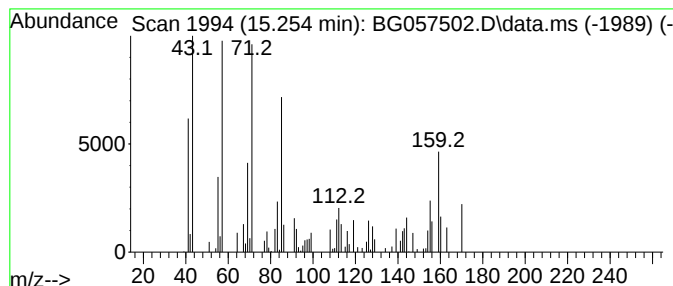
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 unknown15.254 Concentration Rank 19

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 15.254 | 3.17 ng | 36523 | Acenaphthene-d10 | 14.966 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Hexadecane, 7,9-dimethyl-   | 254 | C18H38  | 021164-95-4 | 47   |
| 2    |    |   | Dodecane, 4,6-dimethyl-     | 198 | C14H30  | 061141-72-8 | 43   |
| 3    |    |   | Dodecane, 2,6,10-trimethyl- | 212 | C15H32  | 003891-98-3 | 38   |
| 4    |    |   | 4-Heptanone, 2-methyl-      | 128 | C8H16O  | 000626-33-5 | 35   |
| 5    |    |   | 4-Octanone                  | 128 | C8H16O  | 000589-63-9 | 35   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052223\  
Data File : BG057502.D  
Acq On : 22 May 2023 20:44  
Operator : CG/JU  
Sample : 02840-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

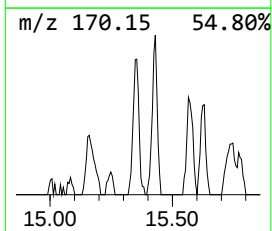
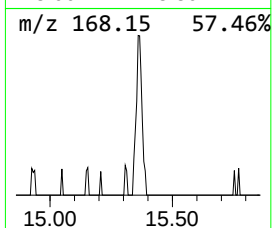
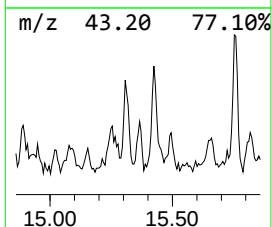
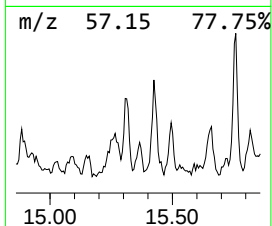
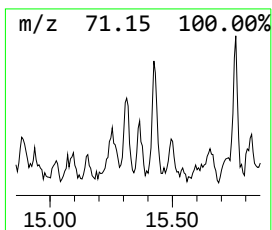
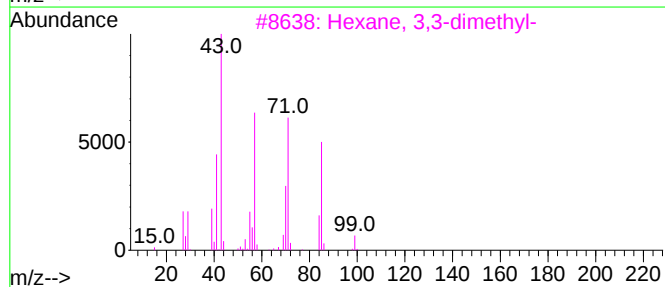
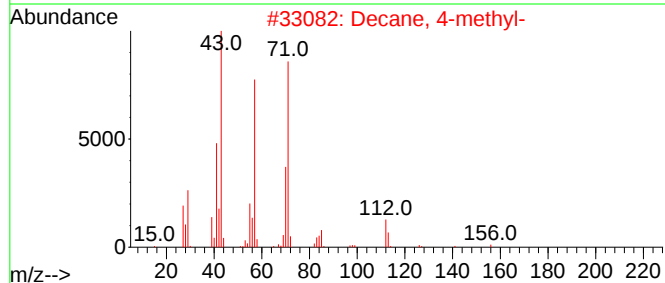
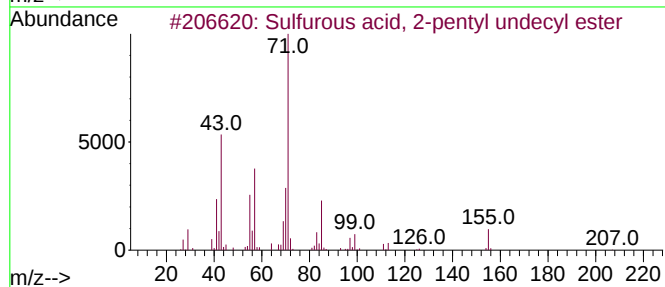
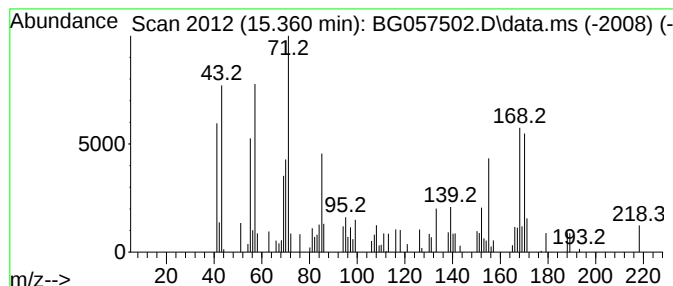
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 13 unknown15.360 Concentration Rank 20

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 15.360 | 3.03 ng | 34839 | Acenaphthene-d10 | 14.966 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Sulfurous acid, 2-pentyl undecyl... | 306 | C16H34O3S | 1000309-16-0 | 35   |
| 2    |    |   | Decane, 4-methyl-                   | 156 | C11H24    | 002847-72-5  | 22   |
| 3    |    |   | Hexane, 3,3-dimethyl-               | 114 | C8H18     | 000563-16-6  | 22   |
| 4    |    |   | Heptane, 3,3,5-trimethyl-           | 142 | C10H22    | 007154-80-5  | 22   |
| 5    |    |   | Pentane, 2-methyl-                  | 86  | C6H14     | 000107-83-5  | 14   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052223\  
Data File : BG057502.D  
Acq On : 22 May 2023 20:44  
Operator : CG/JU  
Sample : 02840-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

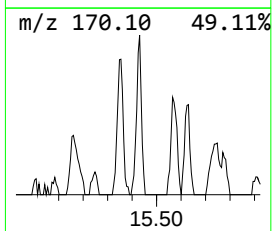
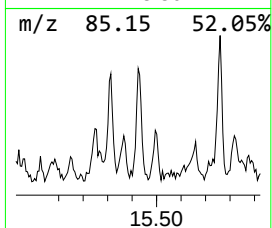
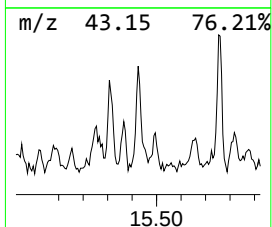
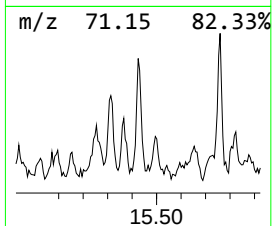
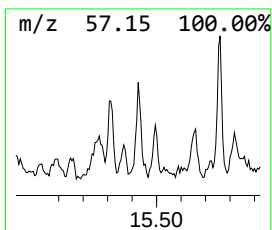
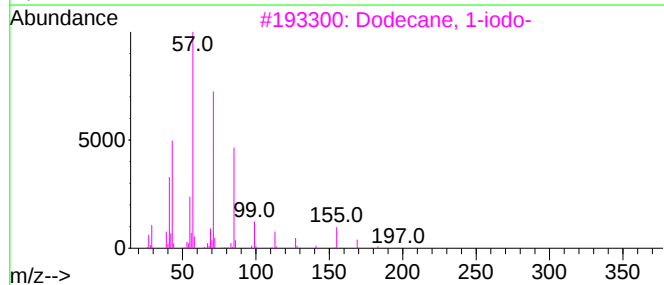
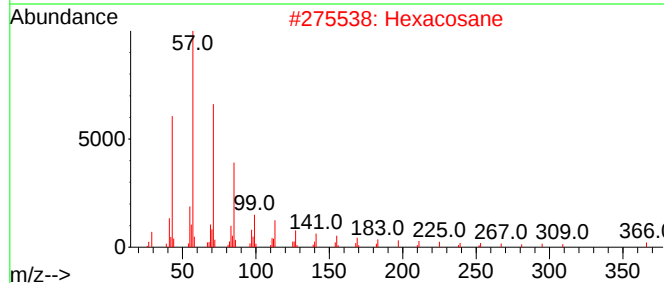
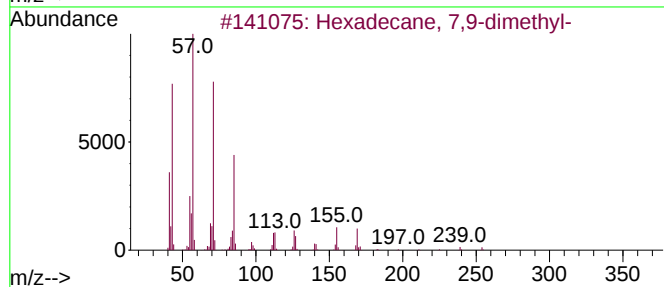
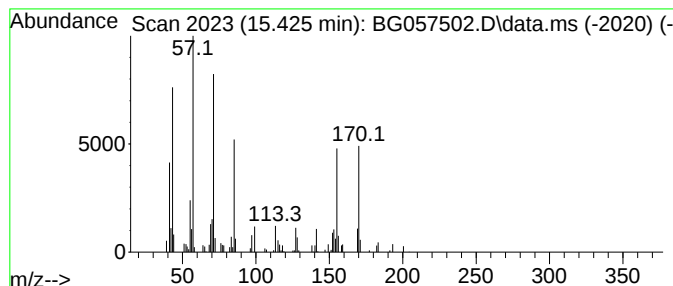
Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 14 Hexadecane, 7,9-dimethyl- Concentration Rank 13

| R.T.      | EstConc                            | Area  | Relative to ISTD |         | R.T.        |      |
|-----------|------------------------------------|-------|------------------|---------|-------------|------|
| 15.425    | 4.08 ng                            | 46900 | Acenaphthene-d10 |         | 14.966      |      |
| Hit# of 5 | Tentative ID                       |       | MW               | MolForm | CAS#        | Qual |
| 1         | Hexadecane, 7,9-dimethyl-          |       | 254              | C18H38  | 021164-95-4 | 52   |
| 2         | Hexacosane                         |       | 366              | C26H54  | 000630-01-3 | 47   |
| 3         | Dodecane, 1-iodo-                  |       | 296              | C12H25I | 004292-19-7 | 47   |
| 4         | Hexadecane, 2,6,10,14-tetramethyl- |       | 282              | C20H42  | 000638-36-8 | 46   |
| 5         | Tetradecane, 1-iodo-               |       | 324              | C14H29I | 019218-94-1 | 46   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052223\  
Data File : BG057502.D  
Acq On : 22 May 2023 20:44  
Operator : CG/JU  
Sample : 02840-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

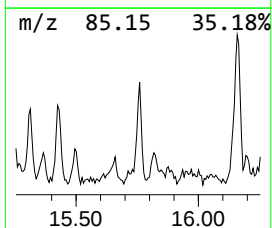
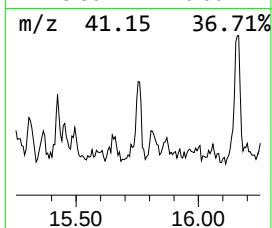
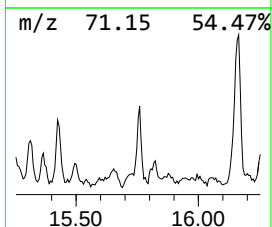
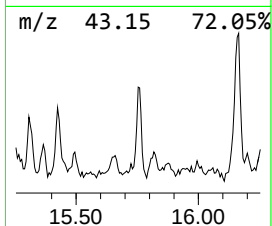
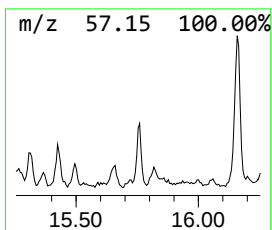
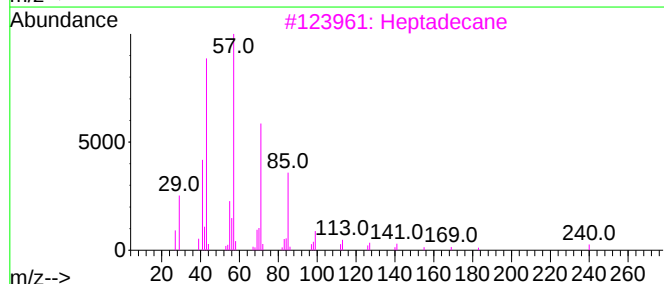
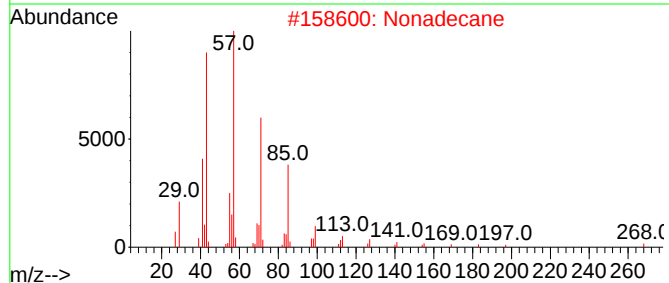
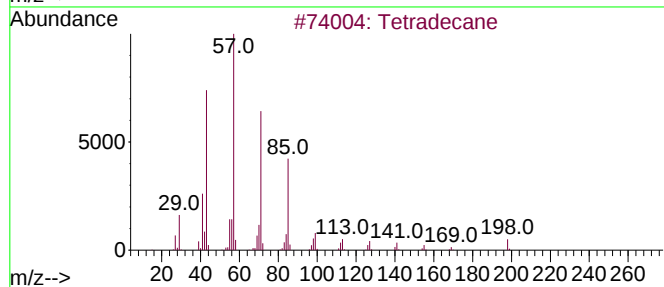
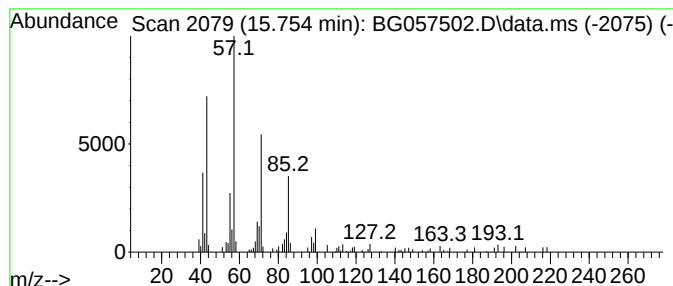
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 15 Tetradecane Concentration Rank 7

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 15.754 | 6.58 ng | 75674 | Acenaphthene-d10 | 14.966 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | Tetradecane              | 198 | C14H30  | 000629-59-4 | 86   |
| 2    |    |   | Nonadecane               | 268 | C19H40  | 000629-92-5 | 80   |
| 3    |    |   | Heptadecane              | 240 | C17H36  | 000629-78-7 | 80   |
| 4    |    |   | Pentadecane              | 212 | C15H32  | 000629-62-9 | 78   |
| 5    |    |   | Decane, 2,3,5-trimethyl- | 184 | C13H28  | 062238-11-3 | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052223\  
Data File : BG057502.D  
Acq On : 22 May 2023 20:44  
Operator : CG/JU  
Sample : 02840-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

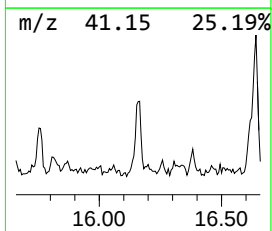
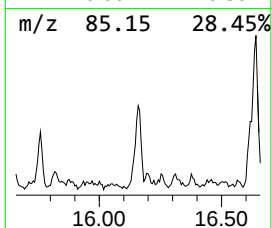
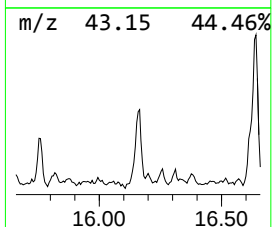
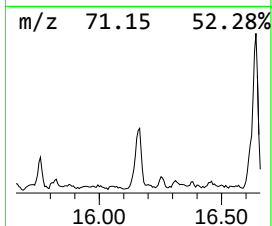
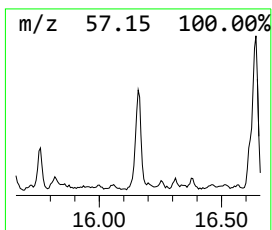
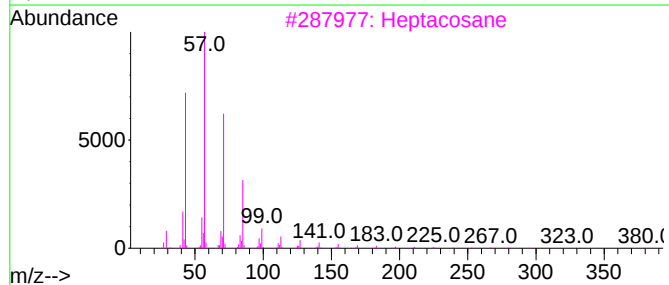
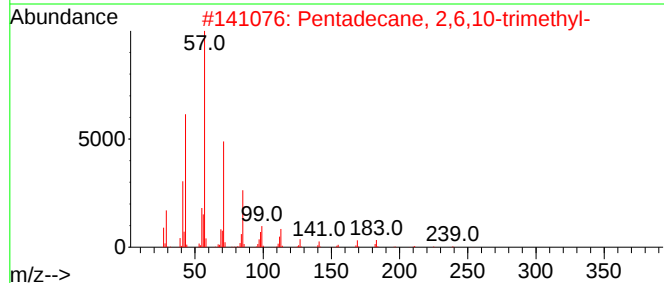
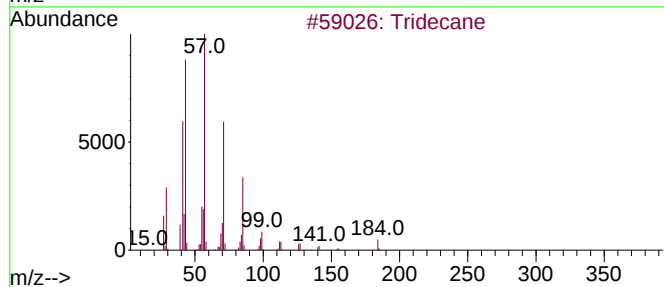
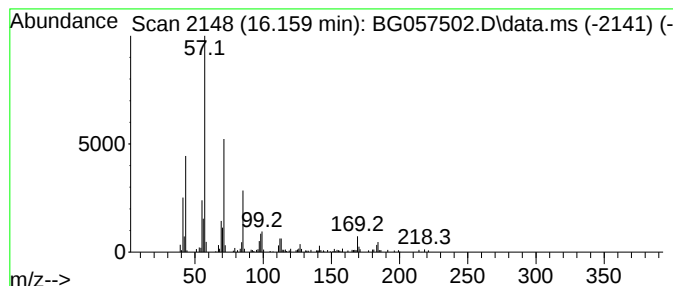
Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 16 Tridecane Concentration Rank 4

| R.T.      | EstConc                        | Area   | Relative to ISTD |         | R.T.        |      |
|-----------|--------------------------------|--------|------------------|---------|-------------|------|
| 16.159    | 15.37 ng                       | 176816 | Acenaphthene-d10 |         | 14.966      |      |
| Hit# of 5 | Tentative ID                   |        | MW               | MolForm | CAS#        | Qual |
| 1         | Tridecane                      |        | 184              | C13H28  | 000629-50-5 | 91   |
| 2         | Pentadecane, 2,6,10-trimethyl- |        | 254              | C18H38  | 003892-00-0 | 83   |
| 3         | Heptacosane                    |        | 380              | C27H56  | 000593-49-7 | 80   |
| 4         | 5-Ethyldecane                  |        | 170              | C12H26  | 017302-36-2 | 74   |
| 5         | Decane, 2-methyl-              |        | 156              | C11H24  | 006975-98-0 | 74   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052223\  
Data File : BG057502.D  
Acq On : 22 May 2023 20:44  
Operator : CG/JU  
Sample : 02840-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

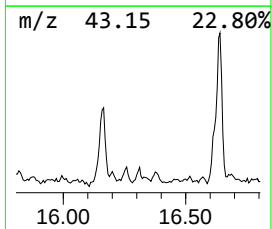
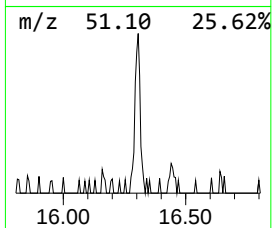
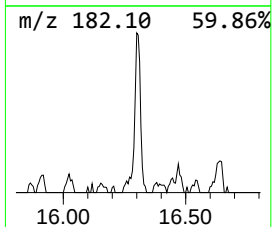
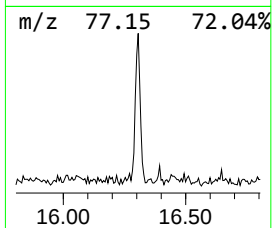
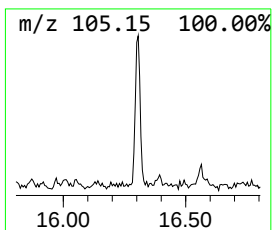
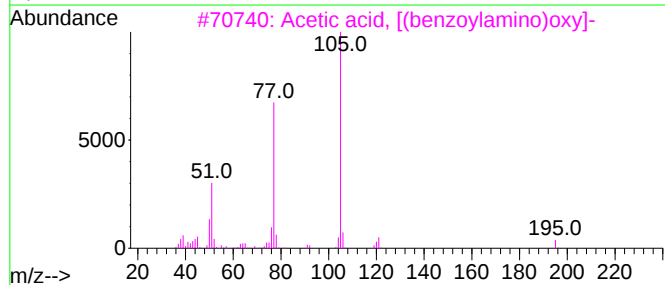
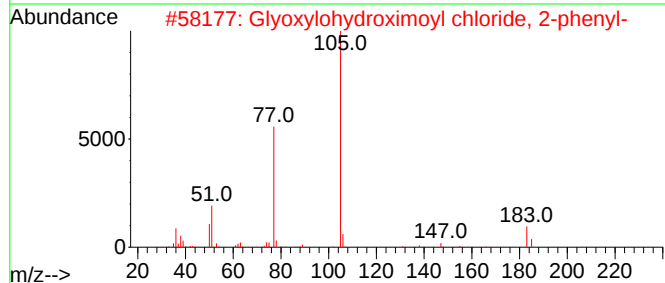
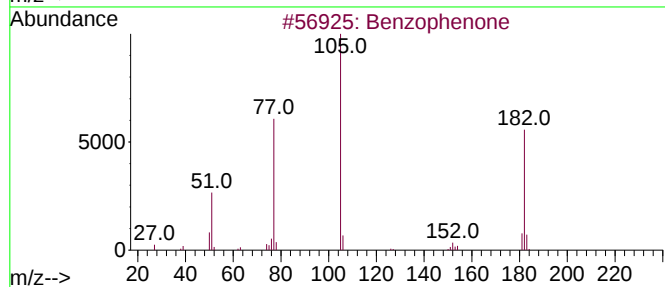
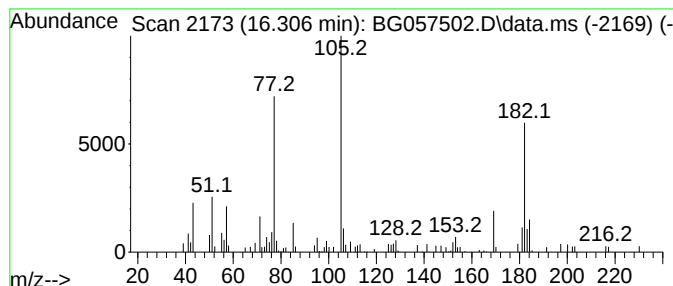
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 17 Benzophenone Concentration Rank 11

| R.T.      | EstConc                             | Area  | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|-------|------------------|-------------|------|
| 16.306    | 4.39 ng                             | 50545 | Acenaphthene-d10 | 14.966      |      |
| Hit# of 5 | Tentative ID                        | MW    | MolForm          | CAS#        | Qual |
| 1         | Benzophenone                        | 182   | C13H10O          | 000119-61-9 | 93   |
| 2         | Glyoxylohydroximoyl chloride, 2-... | 183   | C8H6ClNO2        | 004937-87-5 | 38   |
| 3         | Acetic acid, [(benzoylamino)oxy]-   | 195   | C9H9NO4          | 005251-93-4 | 35   |
| 4         | Benzaldehyde, p-chloro-, dimethy... | 182   | C9H11ClN2        | 022699-29-2 | 30   |
| 5         | Purin-6(1H)-one, 8-methylthio-      | 182   | C6H6N4OS         | 059008-14-9 | 30   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052223\  
Data File : BG057502.D  
Acq On : 22 May 2023 20:44  
Operator : CG/JU  
Sample : 02840-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

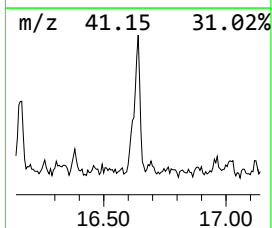
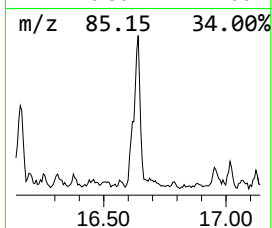
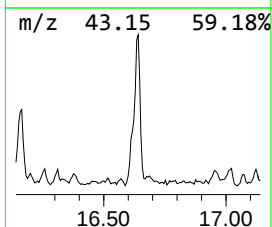
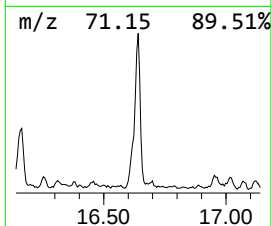
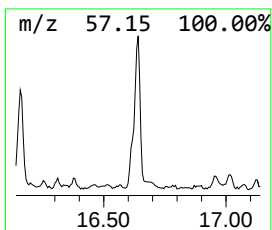
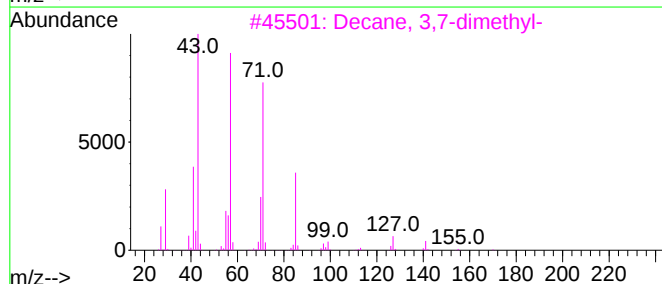
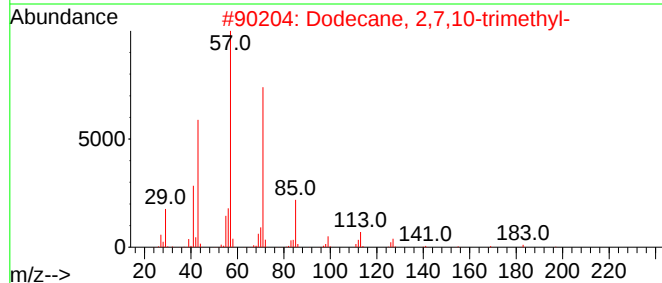
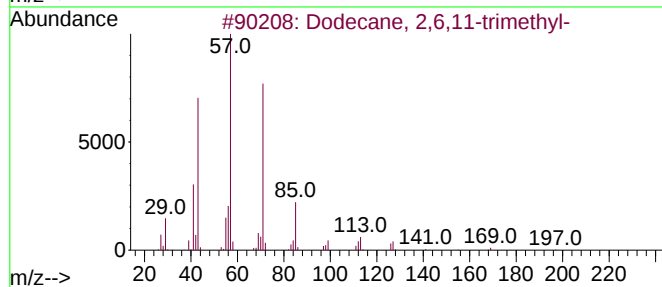
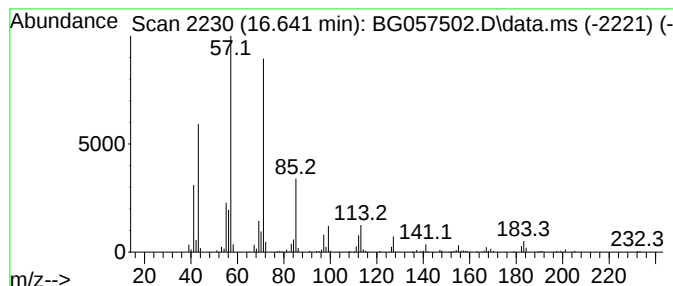
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 Dodecane, 2,6,11-trimethyl- Concentration Rank 2

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 16.640 | 23.75 ng | 348586 | Phenanthrene-d10 | 17.710 |

| Hit# | of 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|------|------------------------------------|-----|---------|-------------|------|
| 1    |      | Dodecane, 2,6,11-trimethyl-        | 212 | C15H32  | 031295-56-4 | 86   |
| 2    |      | Dodecane, 2,7,10-trimethyl-        | 212 | C15H32  | 074645-98-0 | 86   |
| 3    |      | Decane, 3,7-dimethyl-              | 170 | C12H26  | 017312-54-8 | 83   |
| 4    |      | Heptacosane                        | 380 | C27H56  | 000593-49-7 | 72   |
| 5    |      | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42  | 000638-36-8 | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052223\  
Data File : BG057502.D  
Acq On : 22 May 2023 20:44  
Operator : CG/JU  
Sample : 02840-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

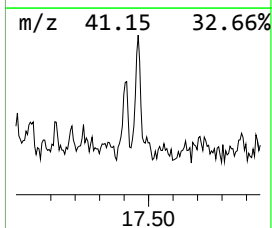
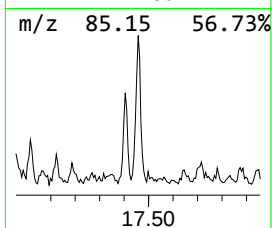
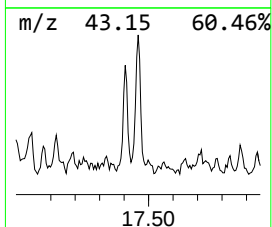
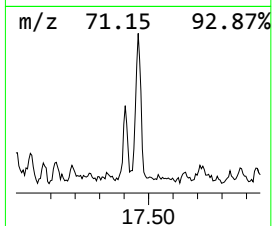
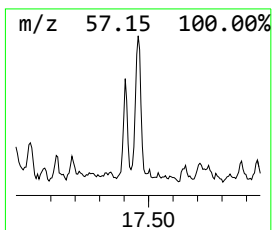
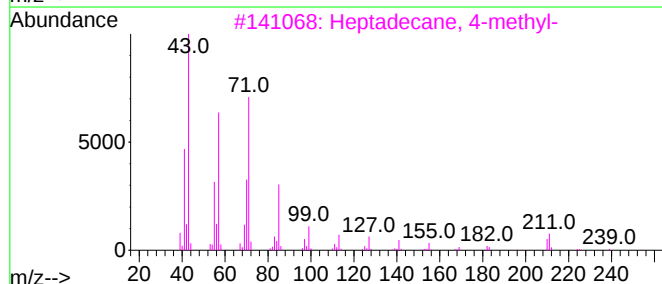
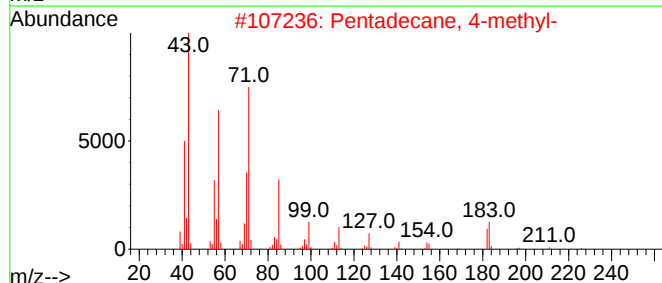
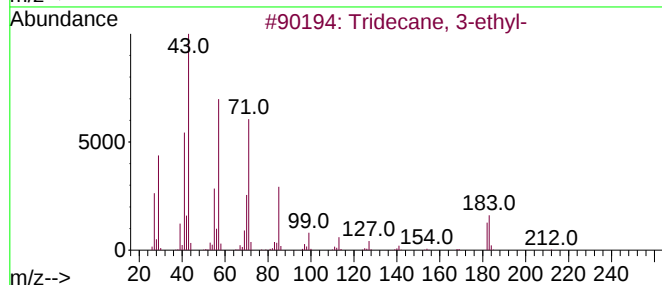
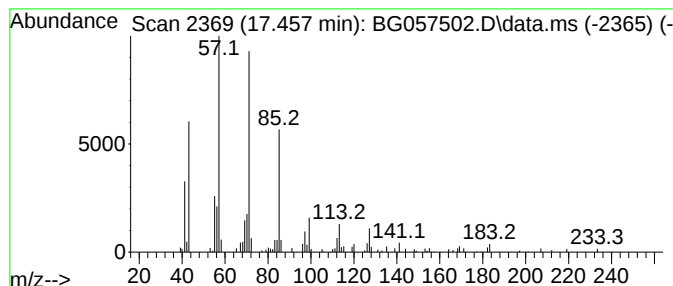
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 19 Tridecane, 3-ethyl- Concentration Rank 8

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 17.457 | 6.21 ng | 91116 | Phenanthrene-d10 | 17.710 |

| Hit# | of 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|------|------------------------------------|-----|---------|-------------|------|
| 1    |      | Tridecane, 3-ethyl-                | 212 | C15H32  | 013286-73-2 | 90   |
| 2    |      | Pentadecane, 4-methyl-             | 226 | C16H34  | 002801-87-8 | 90   |
| 3    |      | Heptadecane, 4-methyl-             | 254 | C18H38  | 026429-11-8 | 90   |
| 4    |      | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42  | 000638-36-8 | 87   |
| 5    |      | Hexadecane                         | 226 | C16H34  | 000544-76-3 | 86   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052223\  
Data File : BG057502.D  
Acq On : 22 May 2023 20:44  
Operator : CG/JU  
Sample : 02840-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

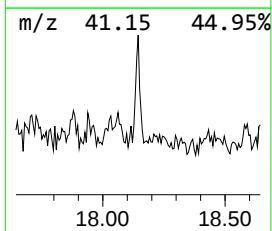
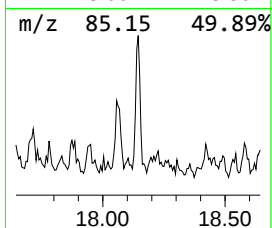
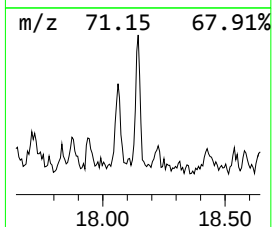
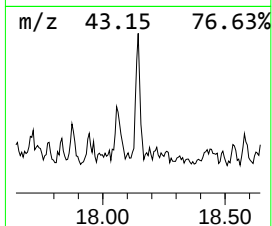
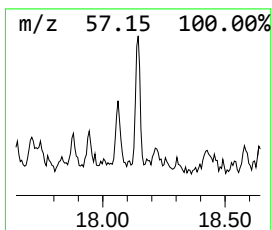
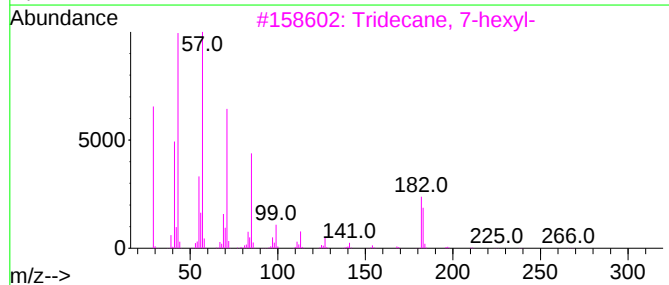
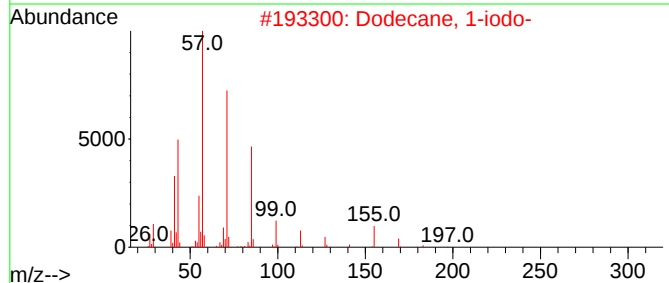
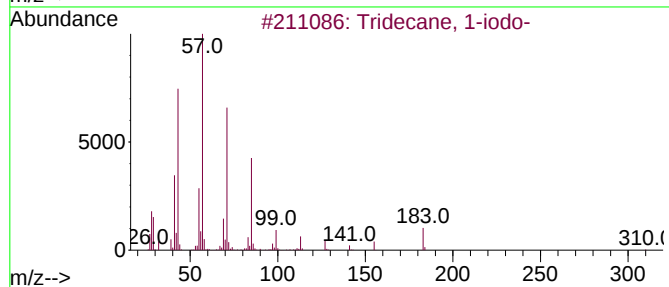
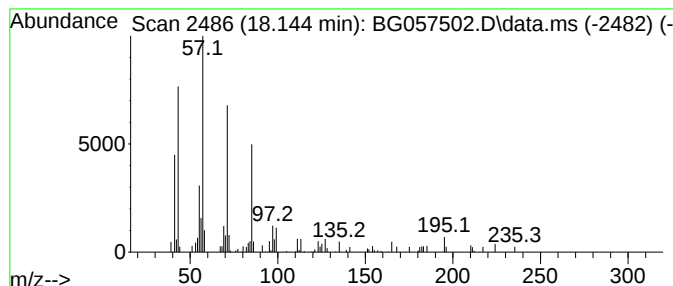
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Tridecane, 1-iodo- Concentration Rank 16

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 18.144 | 3.58 ng | 52505 | Phenanthrene-d10 | 17.710 |

| Hit# | of 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------------|-----|---------|-------------|------|
| 1    |      | Tridecane, 1-iodo-         | 310 | C13H27I | 035599-77-0 | 64   |
| 2    |      | Dodecane, 1-iodo-          | 296 | C12H25I | 004292-19-7 | 64   |
| 3    |      | Tridecane, 7-hexyl-        | 268 | C19H40  | 007225-66-3 | 64   |
| 4    |      | Tetradecane, 1-iodo-       | 324 | C14H29I | 019218-94-1 | 64   |
| 5    |      | Nonane, 5-methyl-5-propyl- | 184 | C13H28  | 017312-75-3 | 59   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052223\  
Data File : BG057502.D  
Acq On : 22 May 2023 20:44  
Operator : CG/JU  
Sample : 02840-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042723.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 |
| 2-Pentanone, 4-... | 5.385  | 6.0     | ng    | 34963    | 1                     | 8.358  | 116536 | 20.0 |
| Oxalic acid, cy... | 9.462  | 3.5     | ng    | 20179    | 1                     | 8.358  | 116536 | 20.0 |
| Cyclohexane, he... | 11.865 | 3.3     | ng    | 31563    | 2                     | 11.195 | 192594 | 20.0 |
| Octane, 2,6-dim... | 12.158 | 15.2    | ng    | 146694   | 2                     | 11.195 | 192594 | 20.0 |
| Cyclohexanecarb... | 12.211 | 4.2     | ng    | 40147    | 2                     | 11.195 | 192594 | 20.0 |
| Cyclotetradecane   | 12.435 | 4.7     | ng    | 45390    | 2                     | 11.195 | 192594 | 20.0 |
| Heptylcyclohexane  | 13.239 | 3.9     | ng    | 44347    | 3                     | 14.966 | 230118 | 20.0 |
| Octane, 2-methyl-  | 13.474 | 15.6    | ng    | 179240   | 3                     | 14.966 | 230118 | 20.0 |
| Dodecane, 2-met... | 13.768 | 8.8     | ng    | 100875   | 3                     | 14.966 | 230118 | 20.0 |
| Nonadecane         | 14.402 | 24.1    | ng    | 277224   | 3                     | 14.966 | 230118 | 20.0 |
| Octadecane         | 14.449 | 3.7     | ng    | 43061    | 3                     | 14.966 | 230118 | 20.0 |
| unknown15.254      | 15.254 | 3.2     | ng    | 36523    | 3                     | 14.966 | 230118 | 20.0 |
| unknown15.360      | 15.360 | 3.0     | ng    | 34839    | 3                     | 14.966 | 230118 | 20.0 |
| Hexadecane, 7,9... | 15.425 | 4.1     | ng    | 46900    | 3                     | 14.966 | 230118 | 20.0 |
| Tetradecane        | 15.754 | 6.6     | ng    | 75674    | 3                     | 14.966 | 230118 | 20.0 |
| Tridecane          | 16.159 | 15.4    | ng    | 176816   | 3                     | 14.966 | 230118 | 20.0 |
| Benzophenone       | 16.306 | 4.4     | ng    | 50545    | 3                     | 14.966 | 230118 | 20.0 |
| Dodecane, 2,6,1... | 16.640 | 23.8    | ng    | 348586   | 4                     | 17.710 | 293536 | 20.0 |
| Tridecane, 3-et... | 17.457 | 6.2     | ng    | 91116    | 4                     | 17.710 | 293536 | 20.0 |
| Tridecane, 1-iodo- | 18.144 | 3.6     | ng    | 52505    | 4                     | 17.710 | 293536 | 20.0 |