

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG061423\  
 Data File : BG057705.D  
 Acq On : 14 Jun 2023 13:01  
 Operator : CG/JU  
 Sample : 03152-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 RE137-CARBON-20230609

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-BG061323.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG057705.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         | 3.128       | 3             | 7           | 12           | rVV      | 55995          | 72571         | 11.62%          | 1.012%        |
| 2         | 3.169       | 12            | 14          | 23           | rVB3     | 10559          | 13612         | 2.18%           | 0.190%        |
| 3         | 3.357       | 41            | 46          | 62           | rVB      | 194459         | 331242        | 53.06%          | 4.618%        |
| 4         | 3.486       | 64            | 68          | 76           | rVB4     | 7544           | 12248         | 1.96%           | 0.171%        |
| 5         | 3.974       | 147           | 151         | 156          | rBV      | 14958          | 23006         | 3.69%           | 0.321%        |
| 6         | 4.232       | 188           | 195         | 206          | rBV      | 404235         | 624302        | 100.00%         | 8.703%        |
| 7         | 4.656       | 260           | 267         | 275          | rBV2     | 12407          | 22586         | 3.62%           | 0.315%        |
| 8         | 4.896       | 301           | 308         | 321          | rBV      | 341469         | 501955        | 80.40%          | 6.997%        |
| 9         | 5.043       | 328           | 333         | 340          | rVB      | 30702          | 45525         | 7.29%           | 0.635%        |
| 10        | 5.331       | 378           | 382         | 391          | rBV5     | 6978           | 13341         | 2.14%           | 0.186%        |
| 11        | 5.507       | 406           | 412         | 419          | rBV      | 168175         | 255219        | 40.88%          | 3.558%        |
| 12        | 5.983       | 489           | 493         | 498          | rVB3     | 5735           | 9601          | 1.54%           | 0.134%        |
| 13        | 6.095       | 506           | 512         | 518          | rBV2     | 4510           | 8249          | 1.32%           | 0.115%        |
| 14        | 6.336       | 547           | 553         | 561          | rBV      | 29699          | 46095         | 7.38%           | 0.643%        |
| 15        | 6.442       | 565           | 571         | 579          | rVB      | 11714          | 18805         | 3.01%           | 0.262%        |
| 16        | 6.765       | 622           | 626         | 631          | rVB2     | 5679           | 8222          | 1.32%           | 0.115%        |
| 17        | 7.035       | 666           | 672         | 675          | rBV      | 8530           | 13485         | 2.16%           | 0.188%        |
| 18        | 7.088       | 675           | 681         | 689          | rVB      | 175626         | 288334        | 46.19%          | 4.019%        |
| 19        | 7.317       | 714           | 720         | 726          | rBV      | 4754           | 7868          | 1.26%           | 0.110%        |
| 20        | 7.940       | 816           | 826         | 832          | rBV      | 132194         | 224366        | 35.94%          | 3.128%        |
| 21        | 8.093       | 848           | 852         | 857          | rVB2     | 6565           | 9730          | 1.56%           | 0.136%        |
| 22        | 9.097       | 1017          | 1023        | 1031         | rBV      | 91005          | 155081        | 24.84%          | 2.162%        |
| 23        | 9.332       | 1057          | 1063        | 1065         | rBV2     | 3602           | 6672          | 1.07%           | 0.093%        |
| 24        | 9.379       | 1067          | 1071        | 1079         | rVB      | 43362          | 71111         | 11.39%          | 0.991%        |
| 25        | 9.926       | 1159          | 1164        | 1168         | rVB4     | 4121           | 6880          | 1.10%           | 0.096%        |
| 26        | 10.043      | 1180          | 1184        | 1188         | rBV3     | 4140           | 6653          | 1.07%           | 0.093%        |
| 27        | 10.742      | 1293          | 1303        | 1310         | rBV      | 177155         | 318291        | 50.98%          | 4.437%        |
| 28        | 10.854      | 1316          | 1322        | 1328         | rVV      | 13826          | 22895         | 3.67%           | 0.319%        |
| 29        | 10.931      | 1330          | 1335        | 1341         | rVB2     | 3631           | 6829          | 1.09%           | 0.095%        |
| 30        | 11.941      | 1500          | 1507        | 1513         | rVB6     | 5224           | 10223         | 1.64%           | 0.143%        |
| 31        | 13.005      | 1680          | 1688        | 1693         | rBV6     | 4987           | 9729          | 1.56%           | 0.136%        |
| 32        | 13.193      | 1714          | 1720        | 1727         | rBV      | 238484         | 377789        | 60.51%          | 5.266%        |
| 33        | 13.281      | 1731          | 1735        | 1740         | rVV4     | 3990           | 7127          | 1.14%           | 0.099%        |
| 34        | 13.345      | 1742          | 1746        | 1750         | rVB5     | 5486           | 7861          | 1.26%           | 0.110%        |
| 35        | 13.486      | 1765          | 1770        | 1780         | rVB      | 24611          | 38102         | 6.10%           | 0.531%        |
| 36        | 13.868      | 1831          | 1835        | 1841         | rBV3     | 4344           | 7126          | 1.14%           | 0.099%        |

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Sample : 03152-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
RE137-CARBON-20230609

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\_G\Methods\8270-BG061323.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 14.573 | 1948 | 1955 | 1964 | rVB  | 279589 | 444476 | 71.20% | 6.196% |
| 38 | 15.925 | 2177 | 2185 | 2189 | rBV  | 58410  | 79100  | 12.67% | 1.103% |
| 39 | 16.054 | 2198 | 2207 | 2216 | rBV  | 169323 | 264866 | 42.43% | 3.692% |
| 40 | 16.512 | 2280 | 2285 | 2289 | rBV4 | 4886   | 7875   | 1.26%  | 0.110% |
| 41 | 17.064 | 2375 | 2379 | 2385 | rBV7 | 3270   | 6991   | 1.12%  | 0.097% |
| 42 | 17.311 | 2415 | 2421 | 2429 | rVB  | 392529 | 596353 | 95.52% | 8.313% |
| 43 | 18.204 | 2568 | 2573 | 2582 | rBV2 | 44651  | 67678  | 10.84% | 0.943% |
| 44 | 18.281 | 2582 | 2586 | 2590 | rVB  | 9430   | 13230  | 2.12%  | 0.184% |
| 45 | 19.479 | 2786 | 2790 | 2796 | rVB6 | 15456  | 18323  | 2.93%  | 0.255% |
| 46 | 19.932 | 2861 | 2867 | 2872 | rBV  | 473432 | 614075 | 98.36% | 8.560% |
| 47 | 20.243 | 2918 | 2920 | 2925 | rVB3 | 5645   | 7173   | 1.15%  | 0.100% |
| 48 | 20.743 | 3002 | 3005 | 3008 | rVB2 | 7403   | 7595   | 1.22%  | 0.106% |
| 49 | 21.230 | 3084 | 3088 | 3096 | rBV3 | 73833  | 116497 | 18.66% | 1.624% |
| 50 | 21.307 | 3098 | 3101 | 3107 | rVB  | 17695  | 22743  | 3.64%  | 0.317% |
| 51 | 21.477 | 3126 | 3130 | 3134 | rVB5 | 6623   | 9911   | 1.59%  | 0.138% |
| 52 | 21.571 | 3140 | 3146 | 3155 | rVB  | 371816 | 590397 | 94.57% | 8.230% |
| 53 | 21.783 | 3178 | 3182 | 3189 | rVB3 | 10154  | 13247  | 2.12%  | 0.185% |
| 54 | 22.388 | 3281 | 3285 | 3292 | rVB6 | 7900   | 13326  | 2.13%  | 0.186% |
| 55 | 22.746 | 3342 | 3346 | 3350 | rVB5 | 7433   | 10729  | 1.72%  | 0.150% |
| 56 | 23.069 | 3396 | 3401 | 3411 | rVB6 | 8620   | 22078  | 3.54%  | 0.308% |
| 57 | 23.862 | 3532 | 3536 | 3544 | rVB6 | 5992   | 13946  | 2.23%  | 0.194% |
| 58 | 24.732 | 3673 | 3684 | 3695 | rBV  | 215848 | 609567 | 97.64% | 8.497% |
| 59 | 26.036 | 3903 | 3906 | 3917 | rVB9 | 7509   | 20639  | 3.31%  | 0.288% |

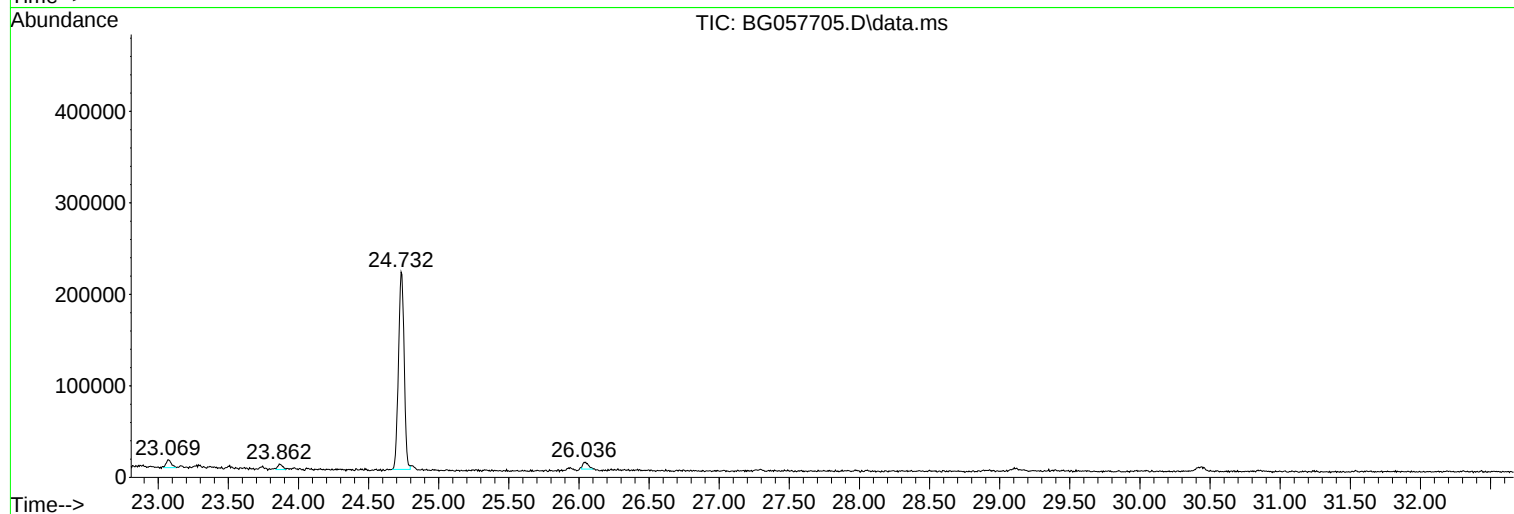
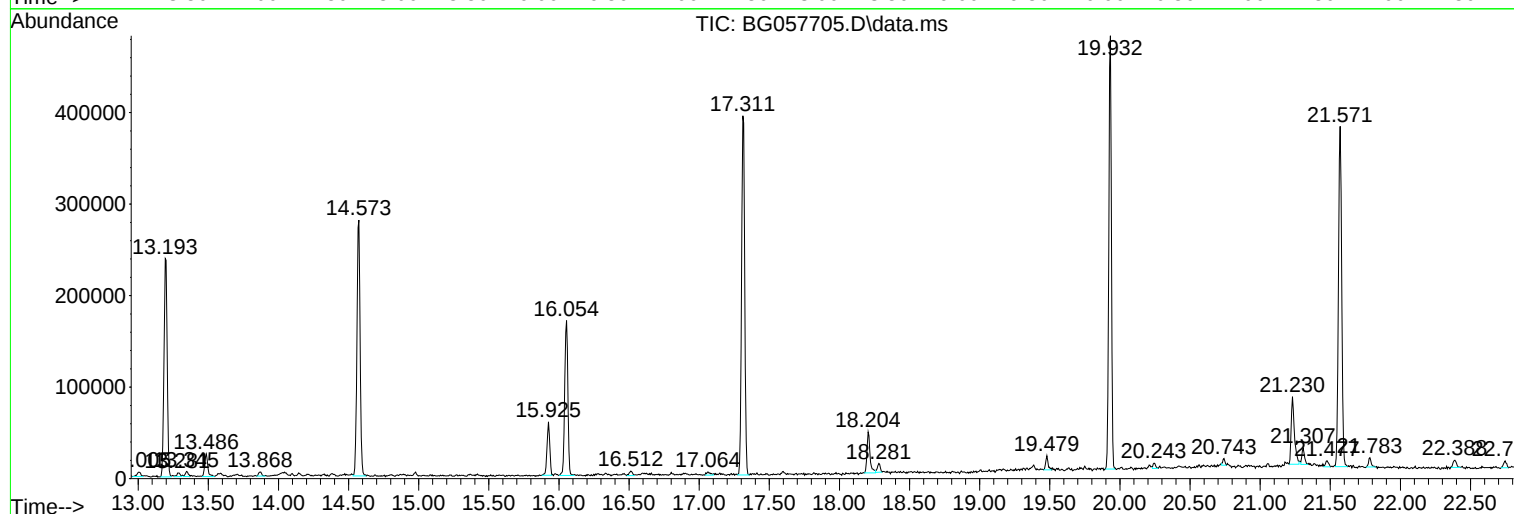
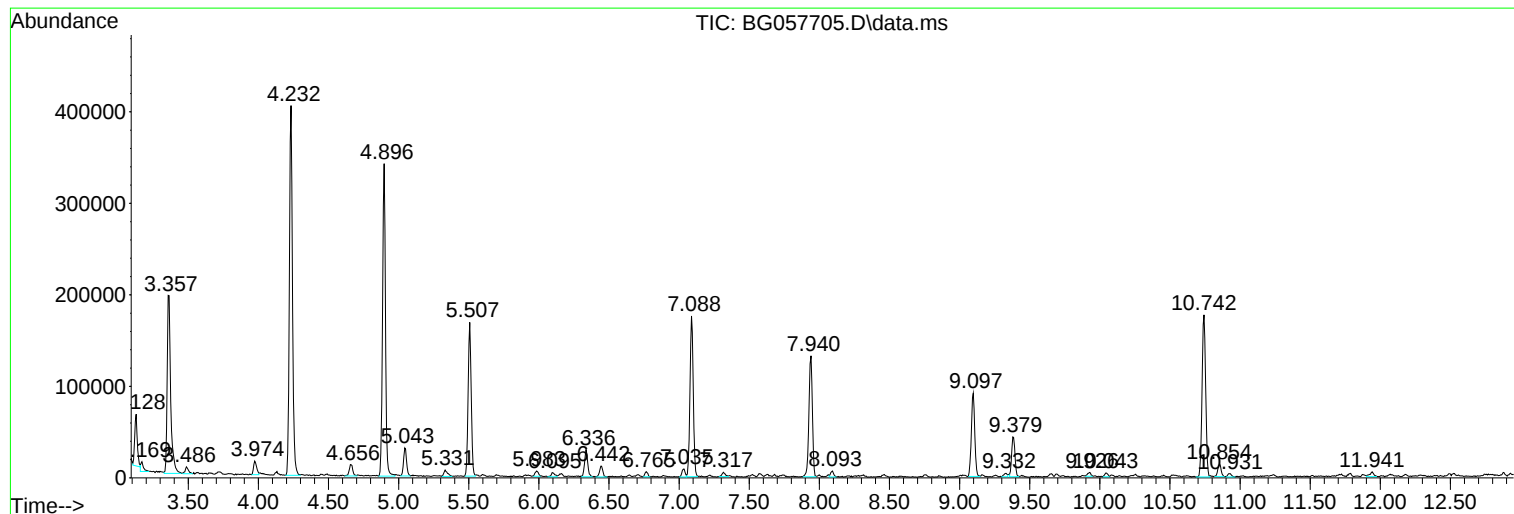
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Sample : 03152-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
RE137-CARBON-20230609

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG061323.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\BG061423\  
Data File : BG057705.D  
Acq On : 14 Jun 2023 13:01  
Operator : CG/JU  
Sample : 03152-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
RE137-CARBON-20230609

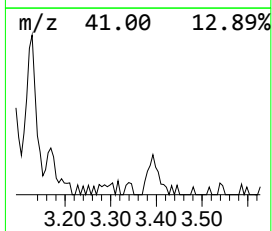
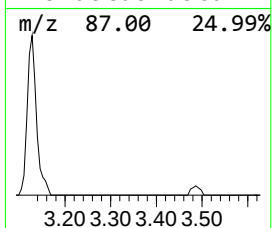
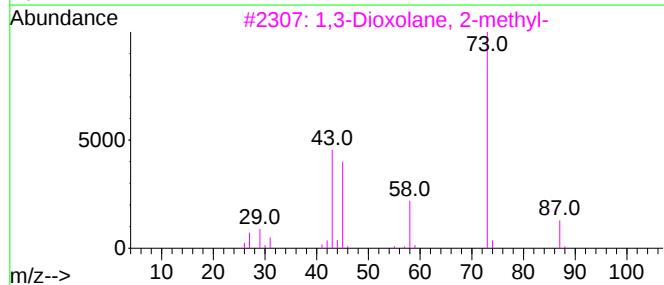
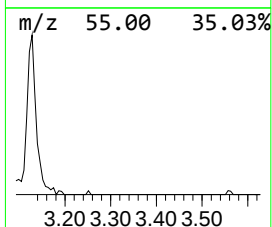
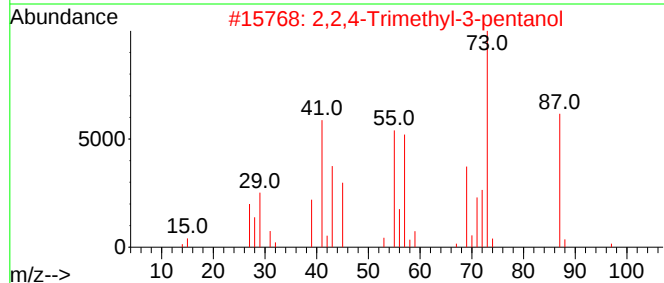
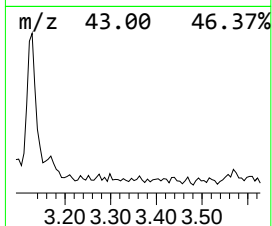
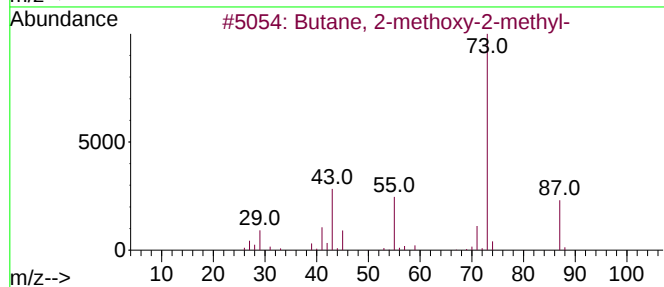
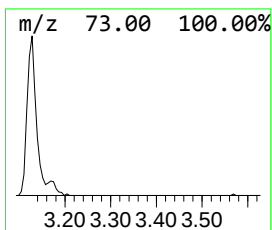
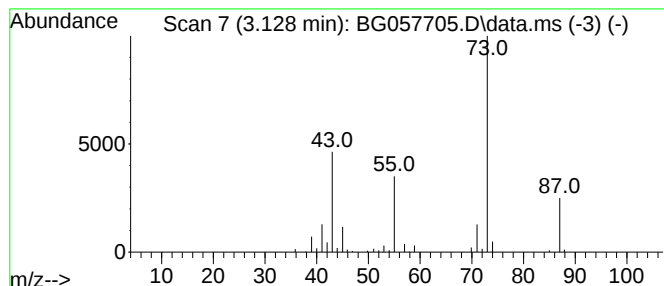
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG061323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 3.128 | 6.47 ng | 72571 | 1,4-Dichlorobenzene-d4 | 7.940 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    |   | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 40   |
| 3    |    |   | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 38   |
| 4    |    |   | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 38   |
| 5    |    |   | Silane, ethyltrimethyl-     | 102 | C5H14Si | 003439-38-1 | 38   |



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Sample : 03152-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
RE137-CARBON-20230609

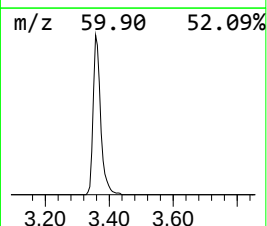
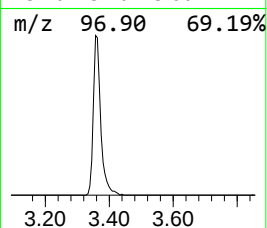
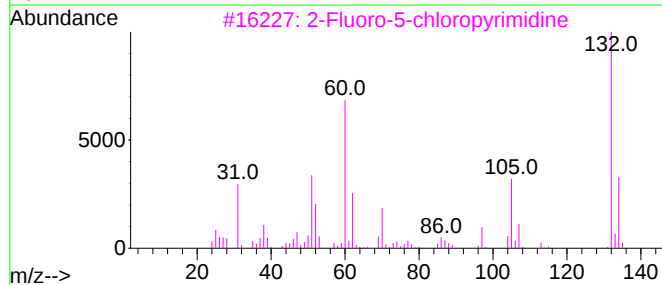
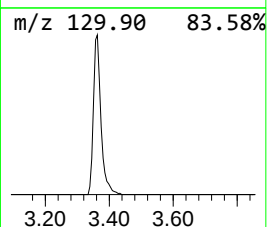
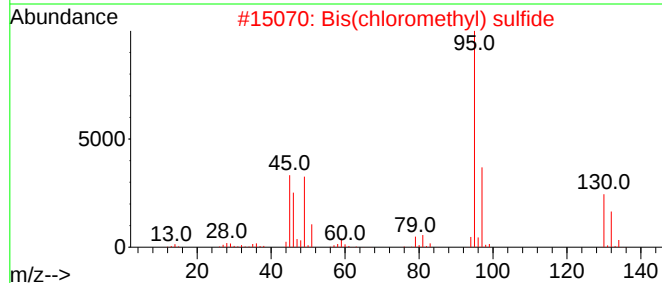
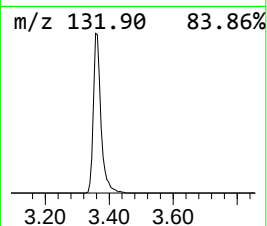
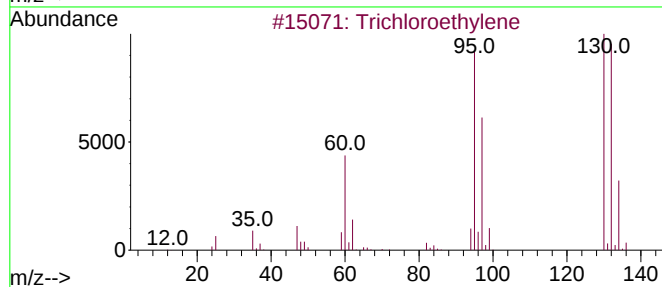
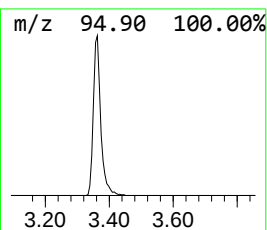
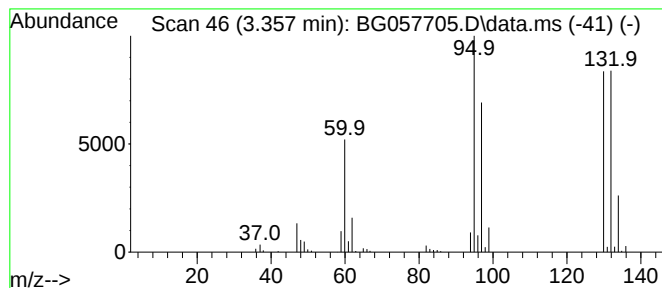
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG061323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Trichloroethylene Concentration Rank 3

| R.T.  | EstConc  | Area   | Relative to ISTD       | R.T.  |
|-------|----------|--------|------------------------|-------|
| 3.357 | 29.53 ng | 331242 | 1,4-Dichlorobenzene-d4 | 7.940 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Trichloroethylene                   | 130 | C2HCl3    | 000079-01-6 | 98   |
| 2    |    |   | Bis(chloromethyl) sulfide           | 130 | C2H4Cl2S  | 003592-44-7 | 49   |
| 3    |    |   | 2-Fluoro-5-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-37-3 | 25   |
| 4    |    |   | Benzene, 1-chloro-4-fluoro-         | 130 | C6H4ClF   | 000352-33-0 | 22   |
| 5    |    |   | 1H-Tetrazaborole, 5-chloro-4,5-d... | 132 | C2H6BClN4 | 021960-49-6 | 22   |



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Sample : 03152-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
RE137-CARBON-20230609

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG061323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

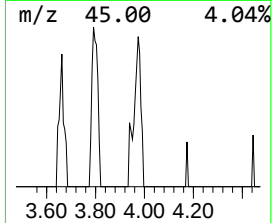
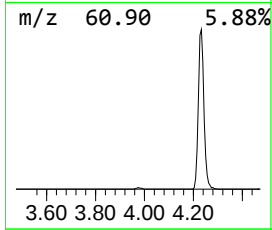
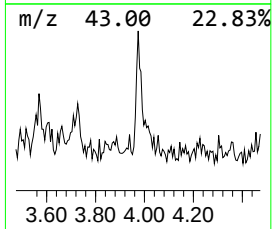
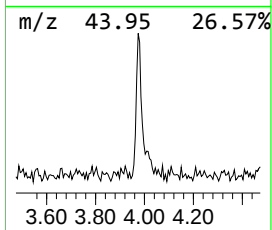
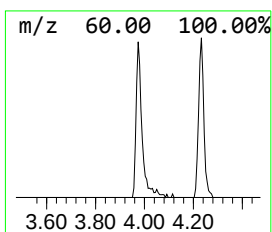
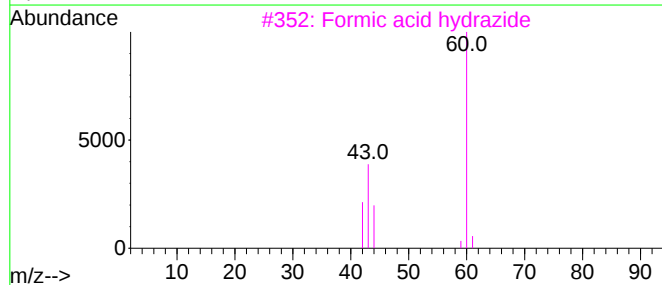
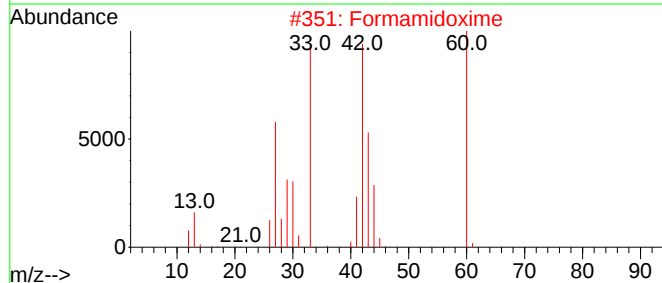
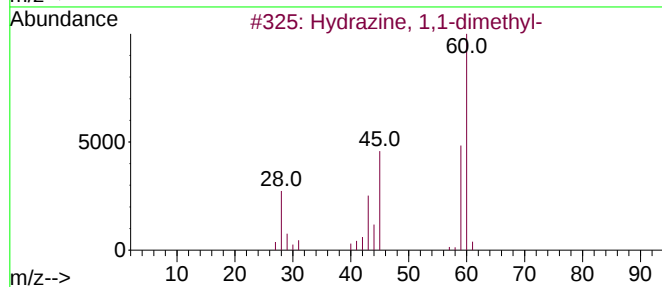
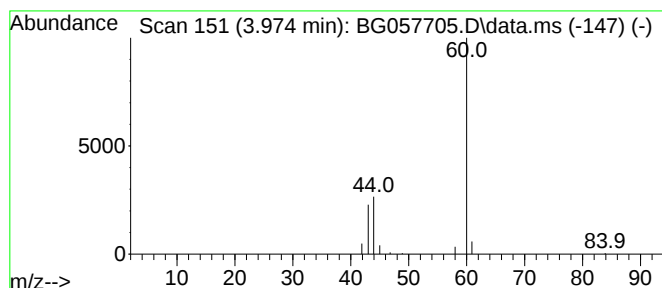
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown3.974 Concentration Rank 11

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 3.974 | 2.05 ng | 23006 | 1,4-Dichlorobenzene-d4 | 7.940 |

| Hit# | of | 5 | Tentative ID             | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|----|---------|-------------|------|
| 1    |    |   | Hydrazine, 1,1-dimethyl- | 60 | C2H8N2  | 000057-14-7 | 9    |
| 2    |    |   | Formamidoxime            | 60 | CH4N2O  | 000624-82-8 | 7    |
| 3    |    |   | Formic acid hydrazide    | 60 | CH4N2O  | 000624-84-0 | 7    |
| 4    |    |   | Urea                     | 60 | CH4N2O  | 000057-13-6 | 5    |
| 5    |    |   | Methyl formate           | 60 | C2H4O2  | 000107-31-3 | 4    |



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Sample : 03152-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
RE137-CARBON-20230609

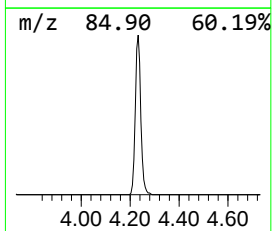
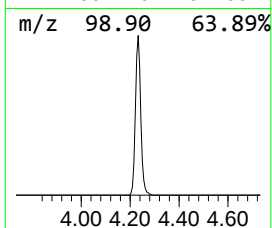
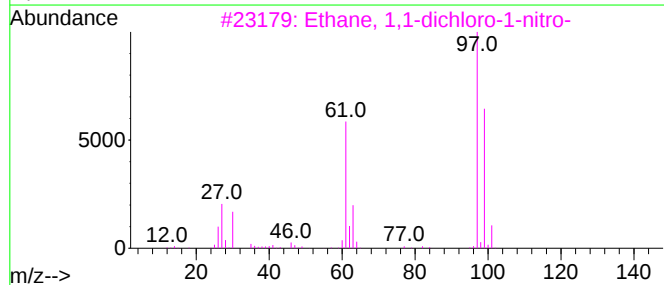
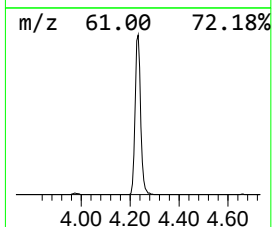
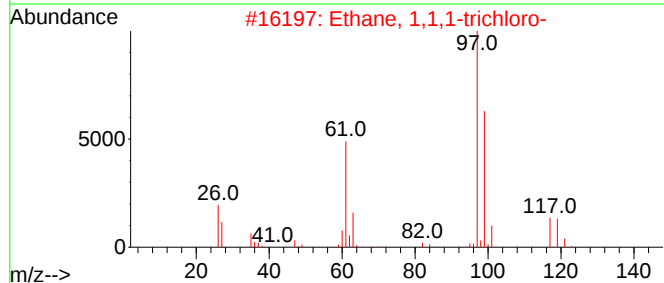
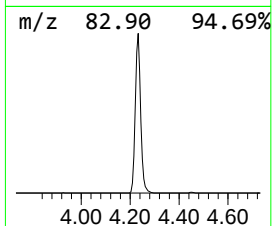
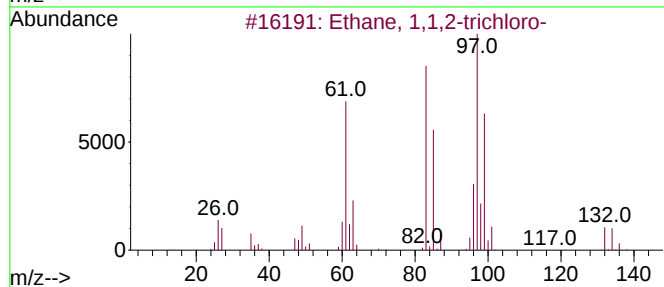
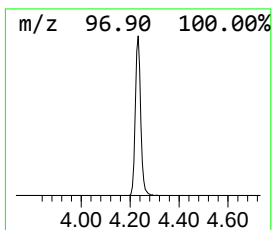
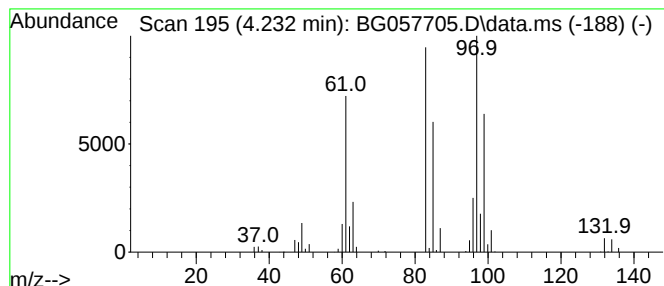
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 Ethane, 1,1,2-trichloro- Concentration Rank 1

| R.T.  | EstConc  | Area   | Relative to ISTD       | R.T.  |
|-------|----------|--------|------------------------|-------|
| 4.232 | 55.65 ng | 624302 | 1,4-Dichlorobenzene-d4 | 7.940 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm    | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|------------|-------------|------|
| 1    |    |   | Ethane, 1,1,2-trichloro-          | 132 | C2H3Cl3    | 000079-00-5 | 98   |
| 2    |    |   | Ethane, 1,1,1-trichloro-          | 132 | C2H3Cl3    | 000071-55-6 | 43   |
| 3    |    |   | Ethane, 1,1-dichloro-1-nitro-     | 143 | C2H3Cl2NO2 | 000594-72-9 | 43   |
| 4    |    |   | Propanoyl chloride, 2,2-dichloro- | 160 | C3H3Cl3O   | 026073-26-7 | 32   |
| 5    |    |   | Propane, 1,2,2-trichloro-         | 146 | C3H5Cl3    | 003175-23-3 | 25   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG061423\  
Data File : BG057705.D  
Acq On : 14 Jun 2023 13:01  
Operator : CG/JU  
Sample : 03152-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
RE137-CARBON-20230609

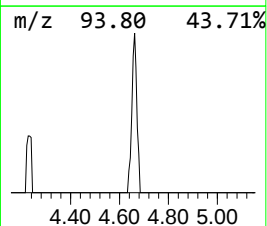
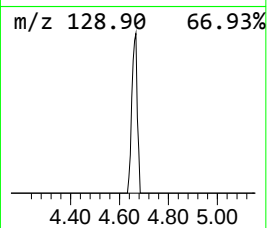
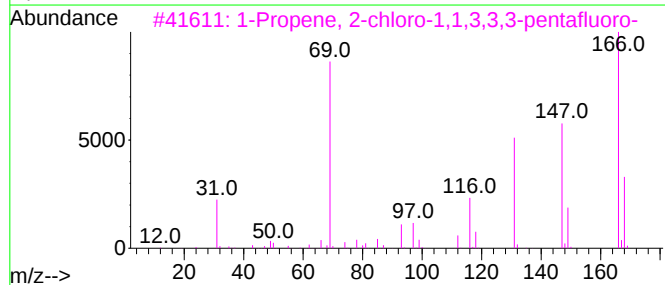
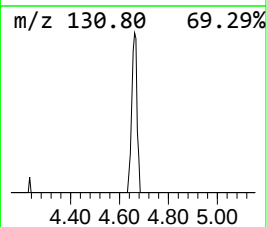
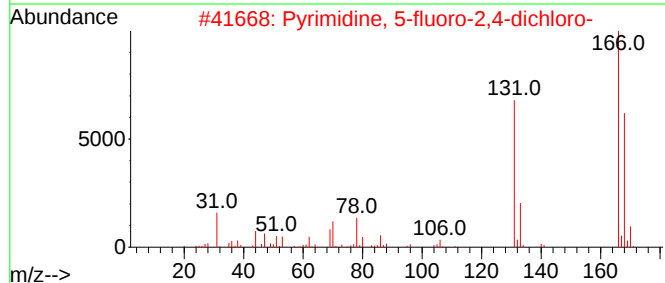
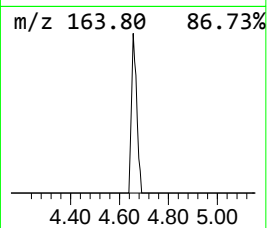
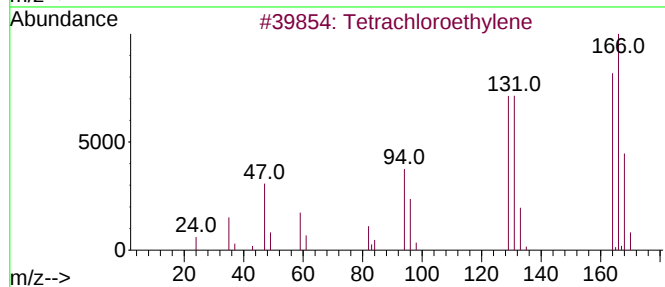
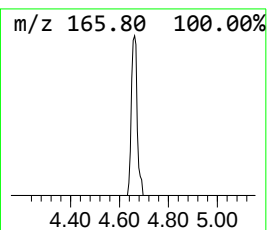
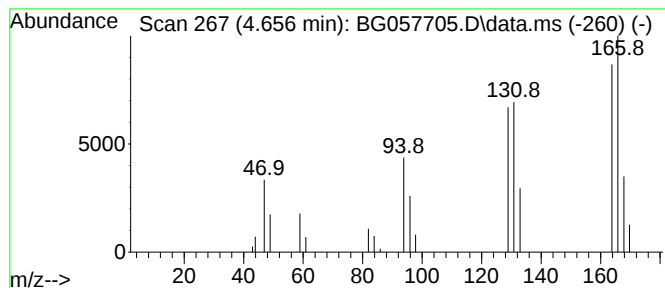
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 Tetrachloroethylene Concentration Rank 12

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 4.656 | 2.01 ng | 22586 | 1,4-Dichlorobenzene-d4 | 7.940 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Tetrachloroethylene                 | 164 | C2Cl4     | 000127-18-4 | 96   |
| 2    |    |   | Pyrimidine, 5-fluoro-2,4-dichloro-  | 166 | C4HC12FN2 | 002927-71-1 | 16   |
| 3    |    |   | 1-Propene, 2-chloro-1,1,3,3,3-pe... | 166 | C3ClF5    | 002804-50-4 | 9    |
| 4    |    |   | 4,5-Dichlorocyclopent-4-ene-1,3-... | 164 | C5H2Cl2O2 | 003229-28-5 | 9    |
| 5    |    |   | 4,6-Dichloro-2-fluoropyrimidine     | 166 | C4HC12FN2 | 003824-45-1 | 9    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG061423\  
Data File : BG057705.D  
Acq On : 14 Jun 2023 13:01  
Operator : CG/JU  
Sample : 03152-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
RE137-CARBON-20230609

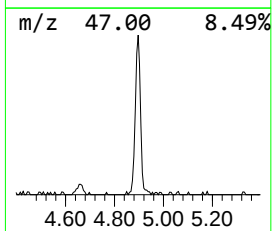
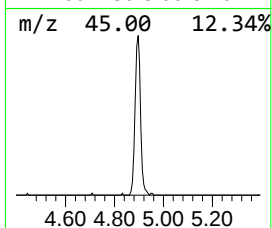
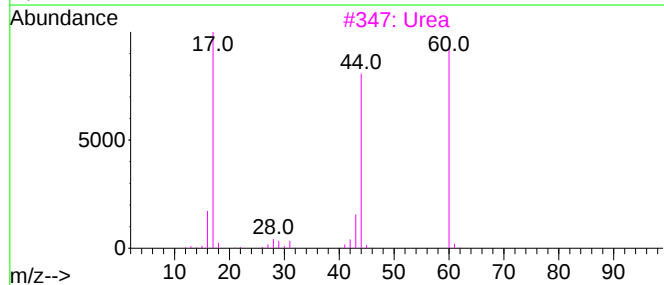
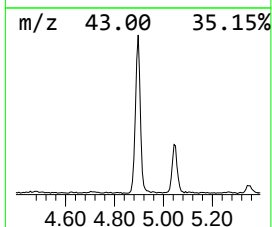
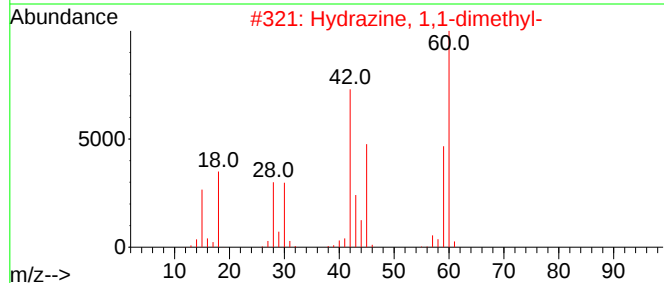
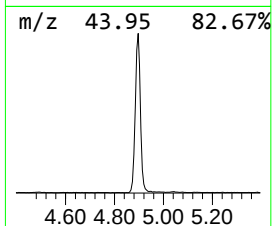
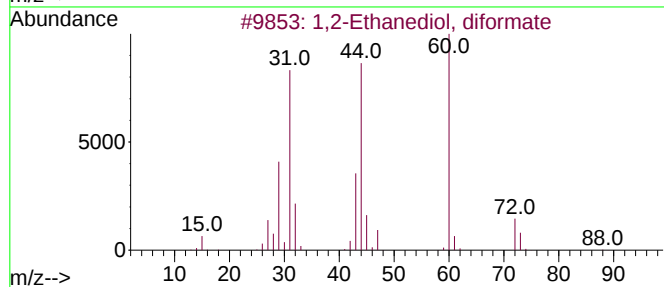
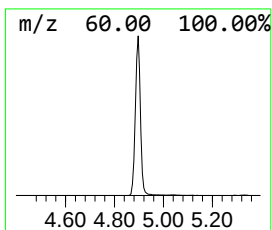
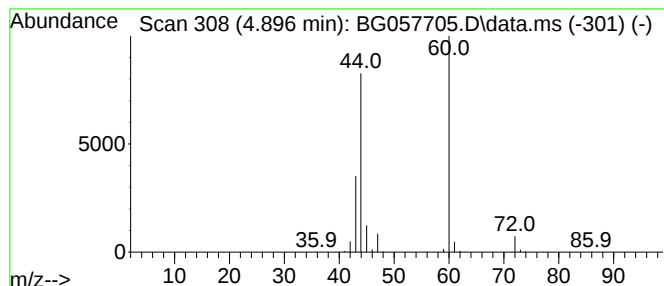
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 unknown4.896 Concentration Rank 2

| R.T.  | EstConc  | Area   | Relative to ISTD       | R.T.  |
|-------|----------|--------|------------------------|-------|
| 4.896 | 44.74 ng | 501955 | 1,4-Dichlorobenzene-d4 | 7.940 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1,2-Ethanediol, diformate           | 118 | C4H6O4  | 000629-15-2 | 37   |
| 2    |    |   | Hydrazine, 1,1-dimethyl-            | 60  | C2H8N2  | 000057-14-7 | 9    |
| 3    |    |   | Urea                                | 60  | CH4N2O  | 000057-13-6 | 9    |
| 4    |    |   | Propanedioic acid, propyl-          | 146 | C6H10O4 | 000616-62-6 | 9    |
| 5    |    |   | Acetic acid, hydroxy[(1-oxo-2-pr... | 145 | C5H7NO4 | 006737-24-2 | 9    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG061423\  
Data File : BG057705.D  
Acq On : 14 Jun 2023 13:01  
Operator : CG/JU  
Sample : 03152-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
RE137-CARBON-20230609

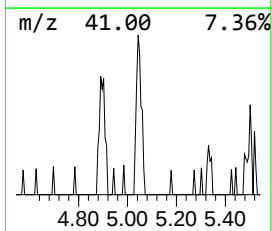
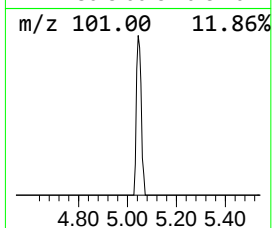
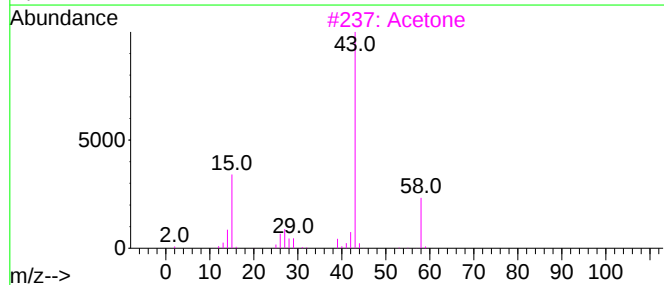
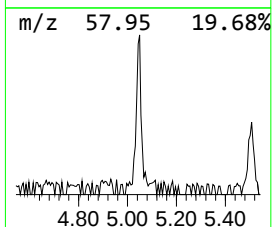
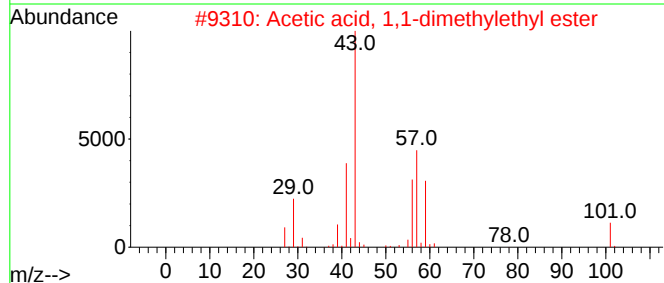
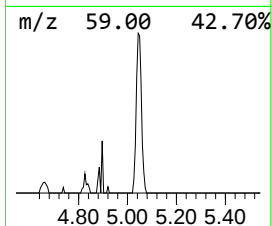
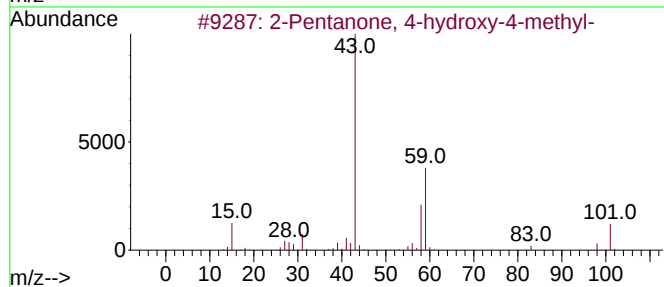
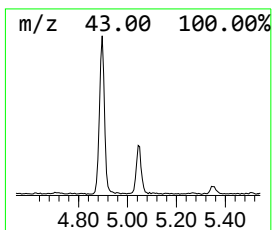
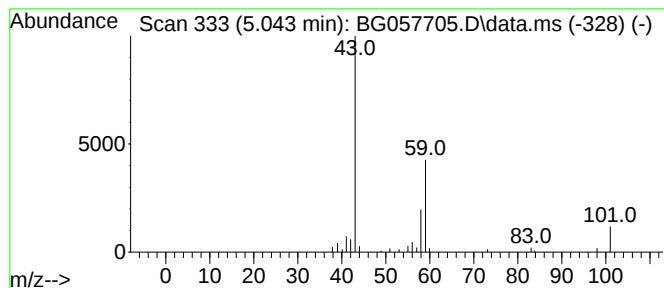
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 5.043 | 4.06 ng | 45525 | 1,4-Dichlorobenzene-d4 | 7.940 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 78   |
| 2    |      | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 36   |
| 3    |      | Acetone                             | 58  | C3H6O   | 000067-64-1 | 16   |
| 4    |      | 2,3-Butanedione, monooxime          | 101 | C4H7NO2 | 000057-71-6 | 14   |
| 5    |      | N-(n-Propyl)acetamide               | 101 | C5H11NO | 005331-48-6 | 9    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG061423\  
Data File : BG057705.D  
Acq On : 14 Jun 2023 13:01  
Operator : CG/JU  
Sample : 03152-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
RE137-CARBON-20230609

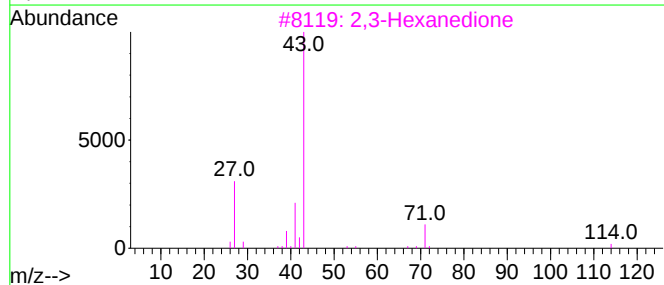
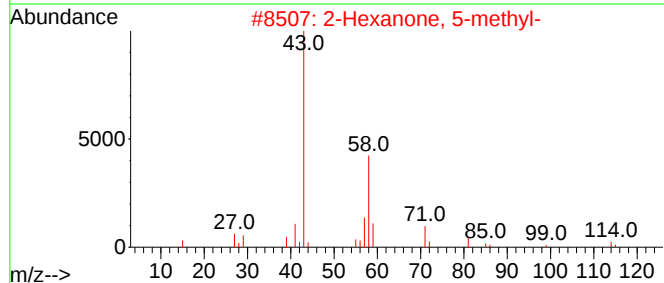
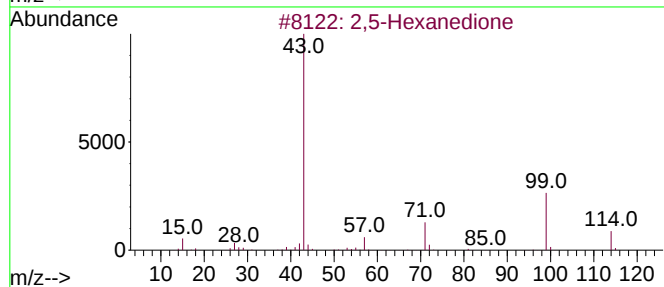
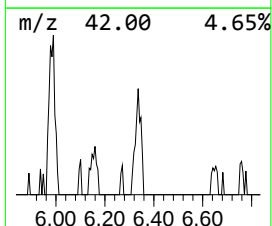
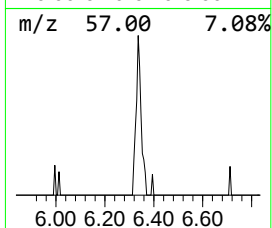
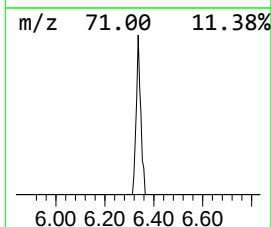
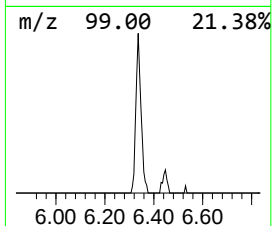
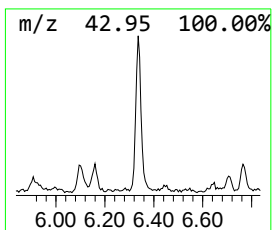
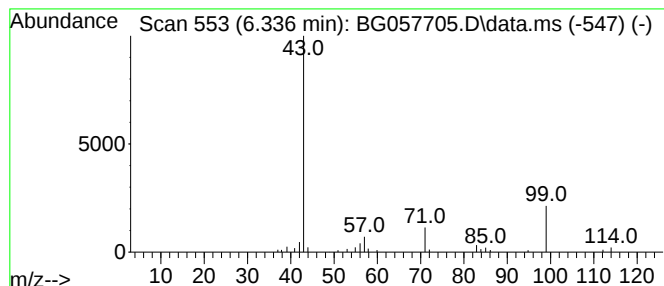
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 8 2,5-Hexanedione Concentration Rank 6

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 6.336 | 4.11 ng | 46095 | 1,4-Dichlorobenzene-d4 | 7.940 |

| Hit# | of 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|------|-----------------------|-----|---------|-------------|------|
| 1    |      | 2,5-Hexanedione       | 114 | C6H10O2 | 000110-13-4 | 64   |
| 2    |      | 2-Hexanone, 5-methyl- | 114 | C7H14O  | 000110-12-3 | 37   |
| 3    |      | 2,3-Hexanedione       | 114 | C6H10O2 | 003848-24-6 | 35   |
| 4    |      | 2-Hexanone, 4-methyl- | 114 | C7H14O  | 000105-42-0 | 25   |
| 5    |      | 2-Pentanone, 3-ethyl- | 114 | C7H14O  | 006137-03-7 | 23   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG061423\  
Data File : BG057705.D  
Acq On : 14 Jun 2023 13:01  
Operator : CG/JU  
Sample : 03152-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
RE137-CARBON-20230609

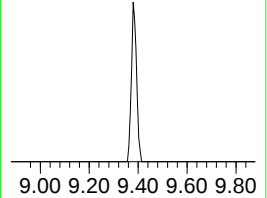
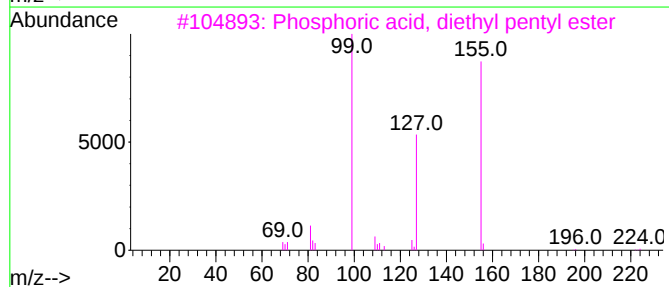
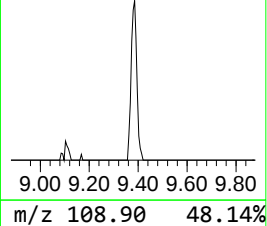
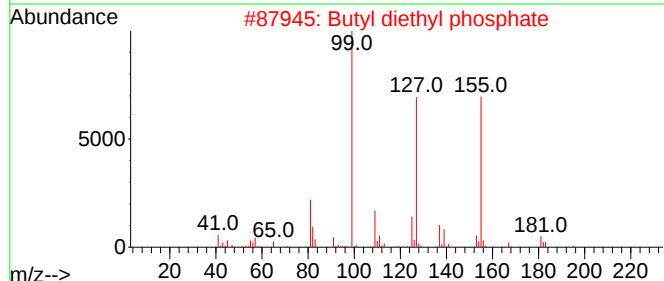
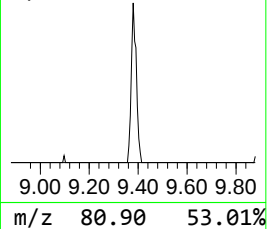
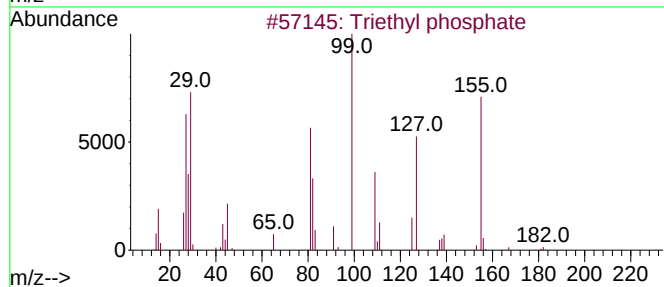
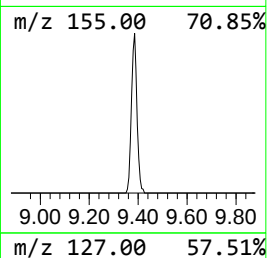
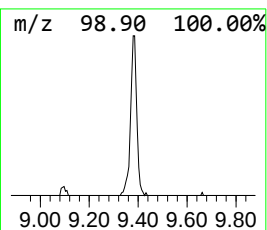
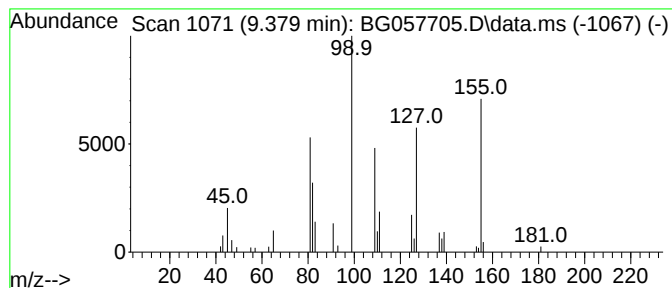
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 9 Triethyl phosphate Concentration Rank 5

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.   |
|-------|---------|-------|------------------|--------|
| 9.379 | 4.47 ng | 71111 | Naphthalene-d8   | 10.743 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Triethyl phosphate                  | 182 | C6H15O4P | 000078-40-0  | 80   |
| 2    |    |   | Butyl diethyl phosphate             | 210 | C8H19O4P | 1000298-58-0 | 64   |
| 3    |    |   | Phosphoric acid, diethyl pentyl ... | 224 | C9H21O4P | 020195-08-8  | 36   |
| 4    |    |   | 2H-Pyran-2-carboxylic acid, 6-et... | 200 | C10H16O4 | 013687-98-4  | 22   |
| 5    |    |   | Benzene, 2-fluoro-1-methyl-4-nitro- | 155 | C7H6FN02 | 001427-07-2  | 12   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG061423\  
Data File : BG057705.D  
Acq On : 14 Jun 2023 13:01  
Operator : CG/JU  
Sample : 03152-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
RE137-CARBON-20230609

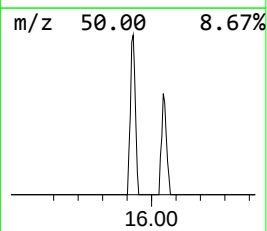
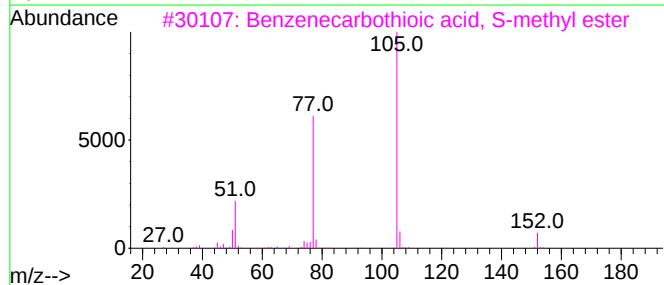
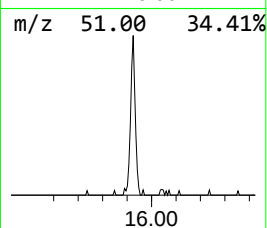
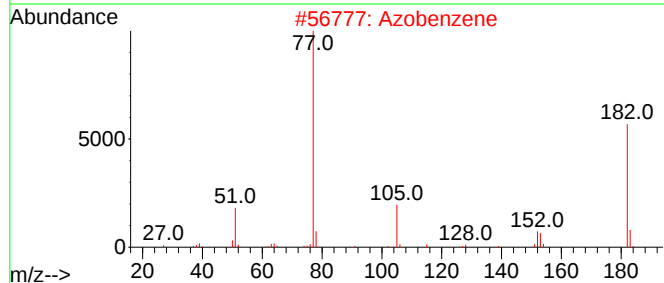
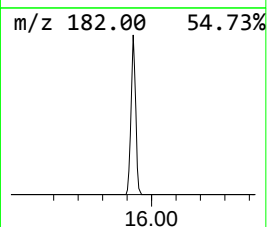
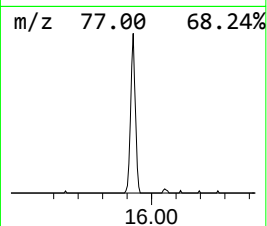
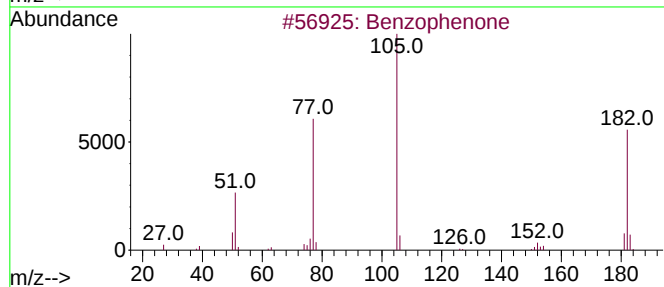
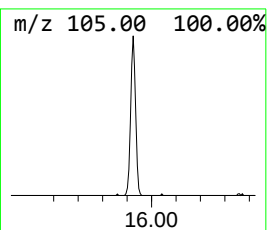
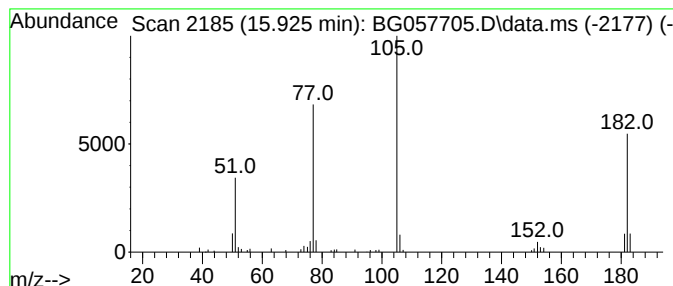
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 10 Benzophenone Concentration Rank 9

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 15.925 | 3.56 ng | 79100 | Acenaphthene-d10 | 14.573 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Benzophenone                        | 182 | C13H10O  | 000119-61-9 | 96   |
| 2    |    |   | Azobenzene                          | 182 | C12H10N2 | 000103-33-3 | 64   |
| 3    |    |   | Benzenecarbothioic acid, S-methy... | 152 | C8H8OS   | 005925-68-8 | 47   |
| 4    |    |   | 1-Propanone, 2-bromo-1-phenyl-      | 212 | C9H9BrO  | 002114-00-3 | 47   |
| 5    |    |   | 2-Phenyl-4-ethylidene-2-oxazolin... | 187 | C11H9NO2 | 037791-41-6 | 47   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG061423\  
Data File : BG057705.D  
Acq On : 14 Jun 2023 13:01  
Operator : CG/JU  
Sample : 03152-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
RE137-CARBON-20230609

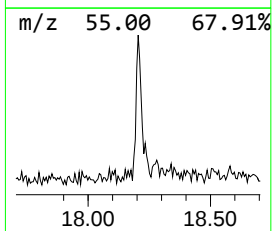
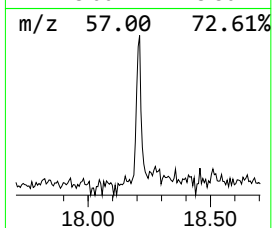
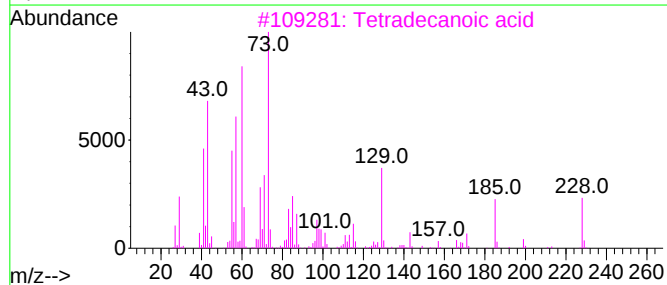
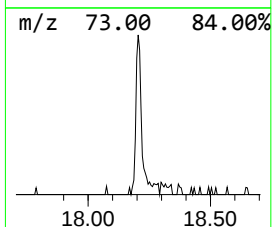
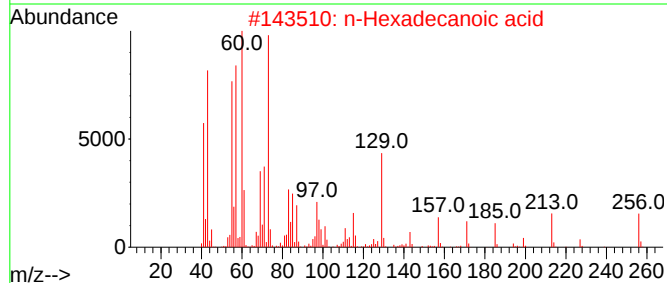
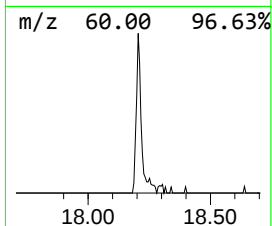
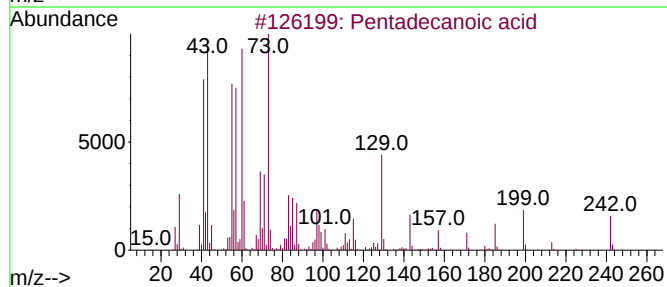
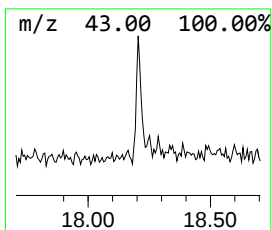
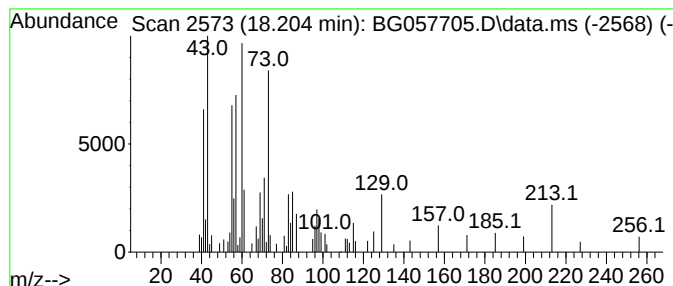
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG061323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 Pentadecanoic acid Concentration Rank 10

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 18.204 | 2.27 ng | 67678 | Phenanthrene-d10 | 17.311 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 68   |
| 2    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 64   |
| 3    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 53   |
| 4    |    |   | Dodecanoic acid     | 200 | C12H24O2 | 000143-07-7 | 53   |
| 5    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG061423\  
Data File : BG057705.D  
Acq On : 14 Jun 2023 13:01  
Operator : CG/JU  
Sample : 03152-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
RE137-CARBON-20230609

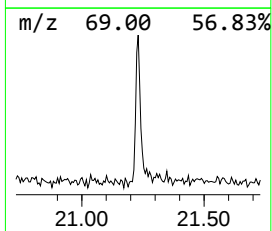
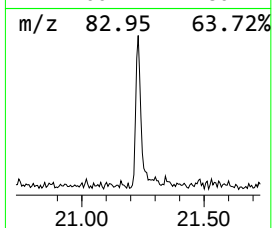
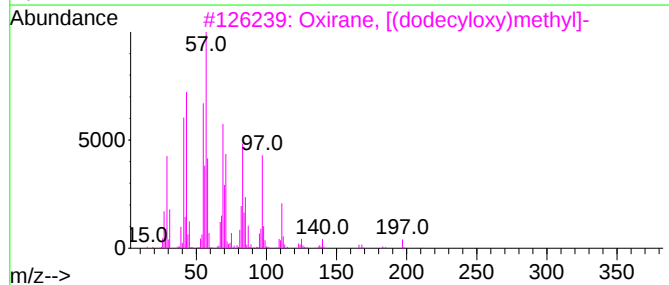
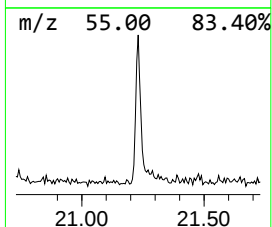
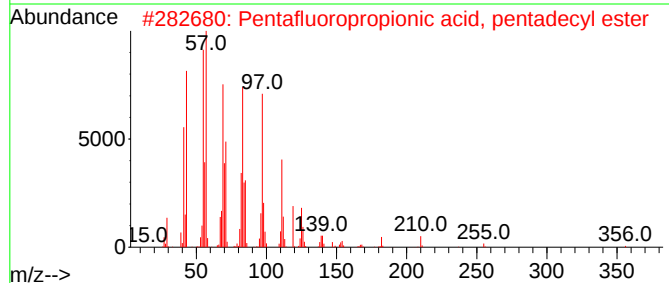
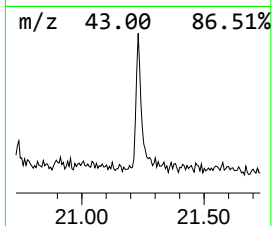
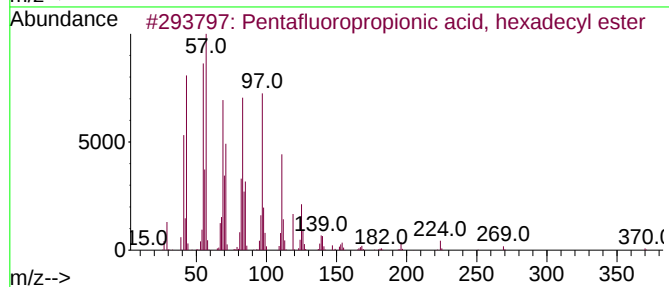
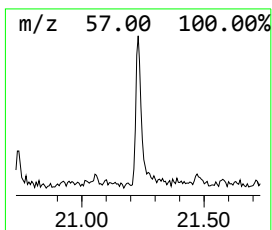
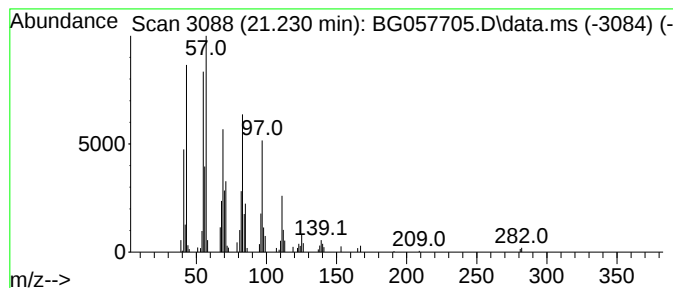
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 Pentafluoropropionic acid, ... Concentration Rank 8

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 21.230 | 3.95 ng | 116497 | Chrysene-d12     | 21.571 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Pentafluoropropionic acid, hexad... | 388 | C19H33F5O2 | 006222-07-7  | 91   |
| 2    |    |   | Pentafluoropropionic acid, penta... | 374 | C18H31F5O2 | 959092-08-1  | 91   |
| 3    |    |   | Oxirane, [(dodecyloxy)methyl]-      | 242 | C15H30O2   | 002461-18-9  | 91   |
| 4    |    |   | 1-Octadecanol                       | 270 | C18H38O    | 000112-92-5  | 91   |
| 5    |    |   | Heptacosyl acetate                  | 438 | C29H58O2   | 1000351-78-2 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG061423\  
Data File : BG057705.D  
Acq On : 14 Jun 2023 13:01  
Operator : CG/JU  
Sample : 03152-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
RE137-CARBON-20230609

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG061323.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 |
| Butane, 2-metho... | 3.128  | 6.5     | ng    | 72571    | 1                     | 7.940  | 224366 | 20.0 |
| Trichloroethylene  | 3.357  | 29.5    | ng    | 331242   | 1                     | 7.940  | 224366 | 20.0 |
| unknown3.974       | 3.974  | 2.0     | ng    | 23006    | 1                     | 7.940  | 224366 | 20.0 |
| Ethane, 1,1,2-t... | 4.232  | 55.6    | ng    | 624302   | 1                     | 7.940  | 224366 | 20.0 |
| Tetrachloroethy... | 4.656  | 2.0     | ng    | 22586    | 1                     | 7.940  | 224366 | 20.0 |
| unknown4.896       | 4.896  | 44.7    | ng    | 501955   | 1                     | 7.940  | 224366 | 20.0 |
| 2-Pentanone, 4-... | 5.043  | 4.1     | ng    | 45525    | 1                     | 7.940  | 224366 | 20.0 |
| 2,5-Hexanedione    | 6.336  | 4.1     | ng    | 46095    | 1                     | 7.940  | 224366 | 20.0 |
| Triethyl phosphate | 9.379  | 4.5     | ng    | 71111    | 2                     | 10.743 | 318291 | 20.0 |
| Benzophenone       | 15.925 | 3.6     | ng    | 79100    | 3                     | 14.573 | 444476 | 20.0 |
| Pentadecanoic acid | 18.204 | 2.3     | ng    | 67678    | 4                     | 17.311 | 596353 | 20.0 |
| Pentafluoroprop... | 21.230 | 4.0     | ng    | 116497   | 5                     | 21.571 | 590397 | 20.0 |