

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112621\  
 Data File : BM033273.D  
 Acq On : 26 Nov 2021 20:05  
 Operator : CG/JU  
 Sample : M4817-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A6879

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\_M\Methods\8270-BM112421.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM033273.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         | 5.055       | 287           | 292         | 299          | rBV      | 54246          | 85133         | 1.25%           | 0.181%        |
| 2         | 5.507       | 363           | 369         | 380          | rVB      | 1122620        | 1695774       | 24.94%          | 3.615%        |
| 3         | 7.096       | 632           | 639         | 653          | rVB      | 690449         | 1180384       | 17.36%          | 2.516%        |
| 4         | 7.931       | 773           | 781         | 787          | rBV      | 503935         | 827496        | 12.17%          | 1.764%        |
| 5         | 7.990       | 787           | 791         | 795          | rVB      | 45266          | 68232         | 1.00%           | 0.145%        |
| 6         | 8.760       | 914           | 922         | 929          | rVB      | 43515          | 80981         | 1.19%           | 0.173%        |
| 7         | 9.095       | 972           | 979         | 988          | rBV      | 1610128        | 2741173       | 40.32%          | 5.843%        |
| 8         | 9.972       | 1122          | 1128        | 1136         | rVB5     | 28995          | 70625         | 1.04%           | 0.151%        |
| 9         | 10.125      | 1149          | 1154        | 1163         | rBV4     | 57347          | 117836        | 1.73%           | 0.251%        |
| 10        | 10.501      | 1211          | 1218        | 1227         | rBV      | 153405         | 274357        | 4.04%           | 0.585%        |
| 11        | 10.731      | 1245          | 1257        | 1261         | rBV      | 665380         | 1171539       | 17.23%          | 2.497%        |
| 12        | 10.778      | 1261          | 1265        | 1272         | rVB      | 473117         | 815409        | 11.99%          | 1.738%        |
| 13        | 11.466      | 1376          | 1382        | 1390         | rBV      | 48276          | 99945         | 1.47%           | 0.213%        |
| 14        | 11.913      | 1453          | 1458        | 1464         | rBV2     | 43730          | 77580         | 1.14%           | 0.165%        |
| 15        | 11.984      | 1464          | 1470        | 1480         | rBV2     | 41363          | 150556        | 2.21%           | 0.321%        |
| 16        | 12.107      | 1487          | 1491        | 1500         | rVB6     | 29033          | 70001         | 1.03%           | 0.149%        |
| 17        | 12.389      | 1525          | 1539        | 1557         | rBV2     | 1806357        | 5065885       | 74.52%          | 10.798%       |
| 18        | 12.601      | 1569          | 1575        | 1586         | rVB      | 296243         | 536471        | 7.89%           | 1.144%        |
| 19        | 13.178      | 1666          | 1673        | 1682         | rBV      | 3728375        | 5623002       | 82.71%          | 11.986%       |
| 20        | 13.354      | 1697          | 1703        | 1715         | rBV2     | 273422         | 658390        | 9.68%           | 1.403%        |
| 21        | 13.519      | 1723          | 1731        | 1739         | rBV      | 381598         | 709606        | 10.44%          | 1.513%        |
| 22        | 13.583      | 1739          | 1742        | 1755         | rVB      | 69661          | 171474        | 2.52%           | 0.366%        |
| 23        | 13.719      | 1758          | 1765        | 1766         | rBV2     | 78810          | 126016        | 1.85%           | 0.269%        |
| 24        | 13.878      | 1785          | 1792        | 1797         | rBV      | 151663         | 299944        | 4.41%           | 0.639%        |
| 25        | 13.930      | 1797          | 1801        | 1812         | rVB2     | 108992         | 215655        | 3.17%           | 0.460%        |
| 26        | 14.113      | 1828          | 1832        | 1835         | rBV      | 55392          | 70427         | 1.04%           | 0.150%        |
| 27        | 14.278      | 1855          | 1860        | 1864         | rBV      | 51173          | 74981         | 1.10%           | 0.160%        |
| 28        | 14.366      | 1871          | 1875        | 1884         | rBV      | 64912          | 122210        | 1.80%           | 0.261%        |
| 29        | 14.554      | 1897          | 1907        | 1913         | rBV      | 975980         | 1568156       | 23.07%          | 3.343%        |
| 30        | 14.619      | 1913          | 1918        | 1925         | rVB3     | 60924          | 123608        | 1.82%           | 0.263%        |
| 31        | 14.766      | 1938          | 1943        | 1951         | rVB4     | 28496          | 74631         | 1.10%           | 0.159%        |
| 32        | 14.948      | 1969          | 1974        | 1981         | rVB3     | 50270          | 95851         | 1.41%           | 0.204%        |
| 33        | 15.166      | 2006          | 2011        | 2016         | rBV2     | 45407          | 86198         | 1.27%           | 0.184%        |
| 34        | 15.595      | 2080          | 2084        | 2088         | rVB2     | 46840          | 71624         | 1.05%           | 0.153%        |
| 35        | 16.036      | 2153          | 2159        | 2169         | rVB      | 2457613        | 3625378       | 53.33%          | 7.728%        |
| 36        | 16.272      | 2192          | 2199        | 2205         | rVB4     | 52993          | 126739        | 1.86%           | 0.270%        |

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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\_M\Methods\8270-BM112421.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 37 | 16.571 | 2246 | 2250 | 2252 | rBV2 | 60881   | 84782   | 1.25%   | 0.181%  |
| 38 | 16.795 | 2281 | 2288 | 2305 | rBV  | 2112540 | 3298864 | 48.52%  | 7.032%  |
| 39 | 17.289 | 2367 | 2372 | 2376 | rBV  | 1132789 | 1692533 | 24.90%  | 3.608%  |
| 40 | 17.407 | 2388 | 2392 | 2403 | rVB  | 200806  | 309519  | 4.55%   | 0.660%  |
| 41 | 17.501 | 2404 | 2408 | 2416 | rVB  | 209575  | 317806  | 4.67%   | 0.677%  |
| 42 | 17.948 | 2481 | 2484 | 2489 | rVB3 | 54578   | 68385   | 1.01%   | 0.146%  |
| 43 | 18.171 | 2517 | 2522 | 2526 | rBV2 | 438172  | 625425  | 9.20%   | 1.333%  |
| 44 | 19.442 | 2735 | 2738 | 2748 | rBV  | 198895  | 284195  | 4.18%   | 0.606%  |
| 45 | 19.671 | 2774 | 2777 | 2780 | rBV  | 106327  | 119700  | 1.76%   | 0.255%  |
| 46 | 19.901 | 2810 | 2816 | 2825 | rVB  | 5421104 | 6798398 | 100.00% | 14.491% |
| 47 | 21.154 | 3025 | 3029 | 3035 | rVB  | 447055  | 546620  | 8.04%   | 1.165%  |
| 48 | 21.454 | 3075 | 3080 | 3085 | rVB  | 1369914 | 1819194 | 26.76%  | 3.878%  |
| 49 | 23.783 | 3470 | 3476 | 3484 | rVB2 | 982427  | 1974792 | 29.05%  | 4.209%  |

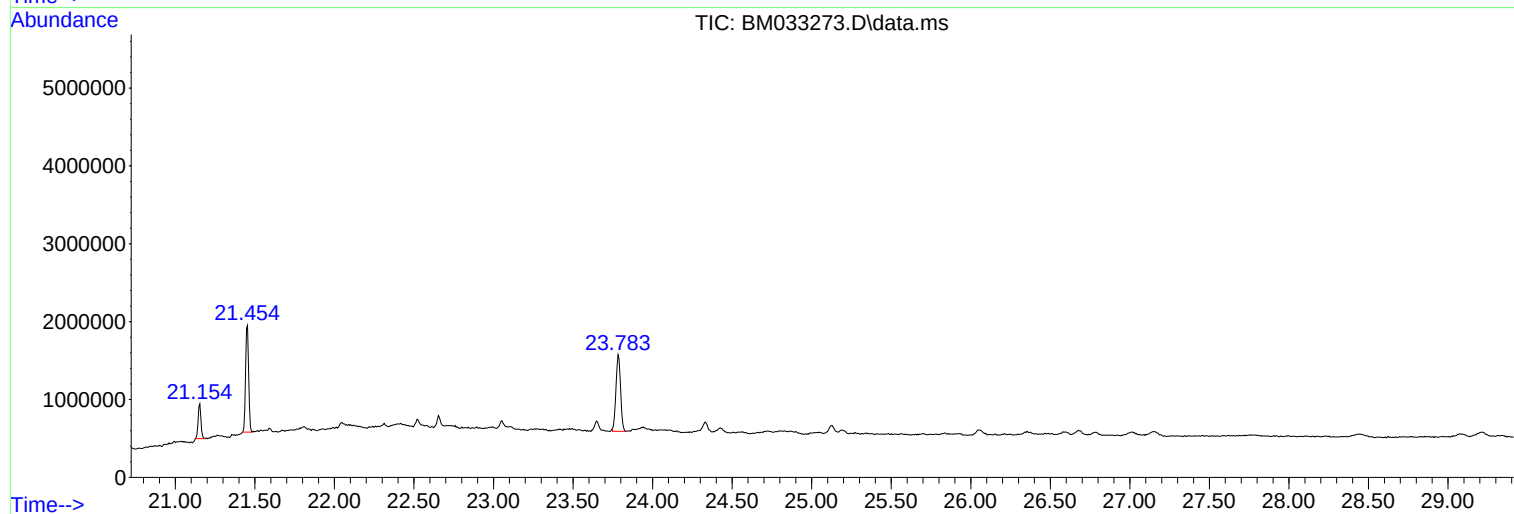
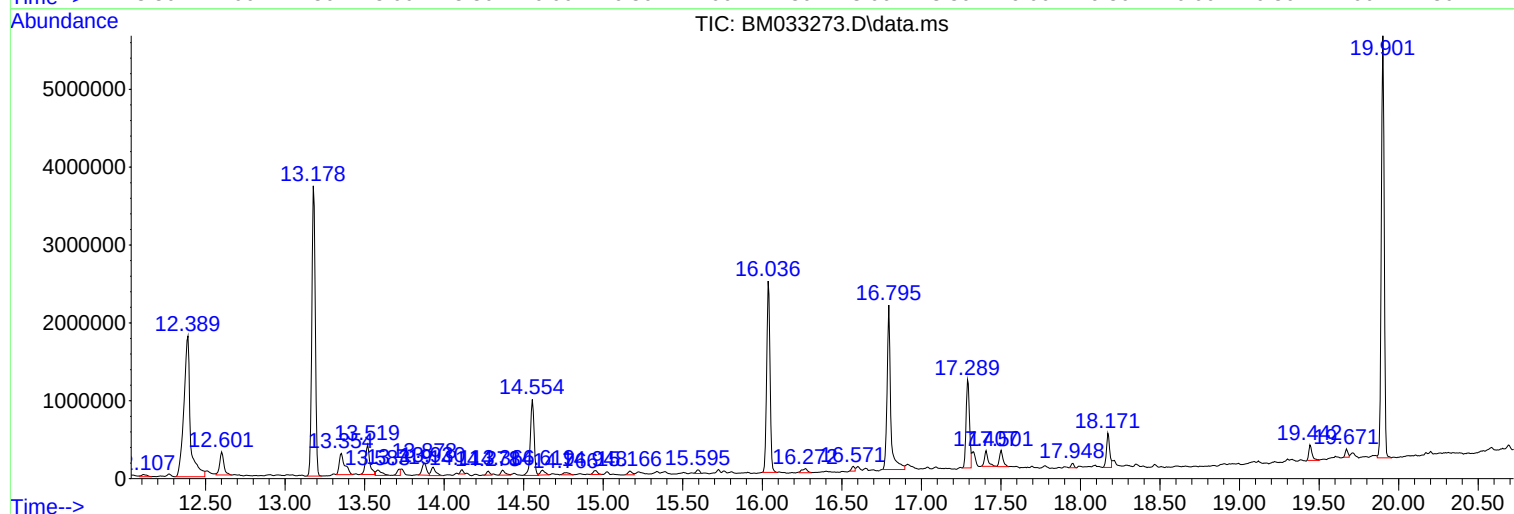
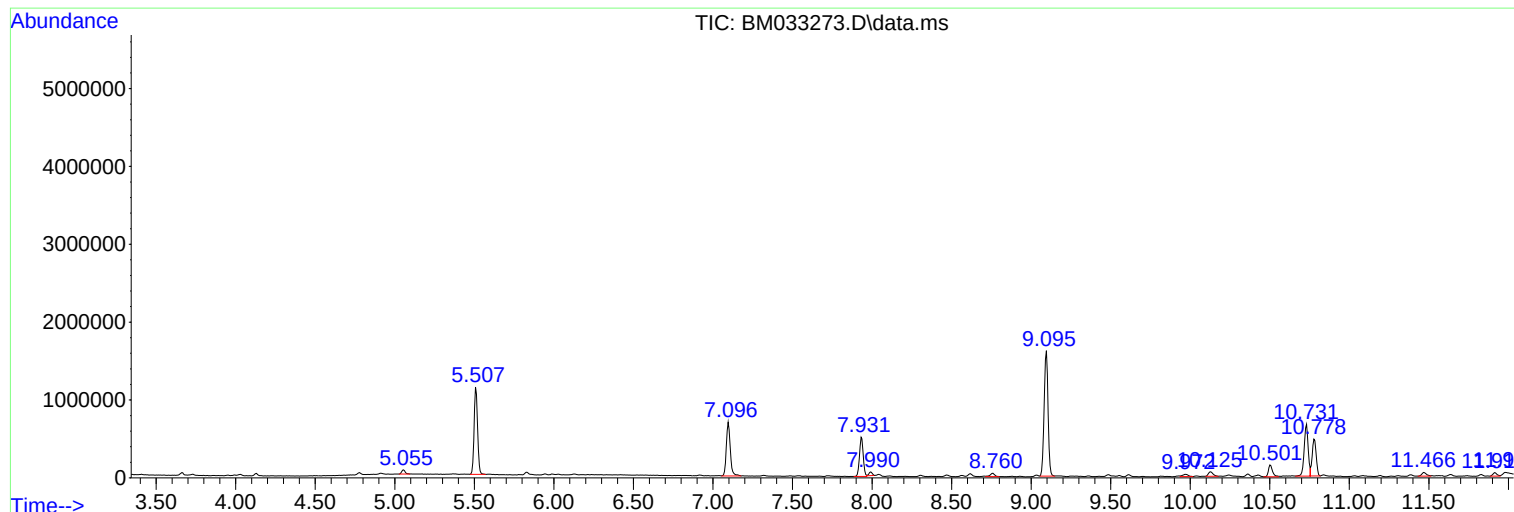
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM112421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Data File : BM033273.D  
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Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM112421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

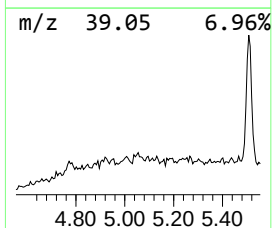
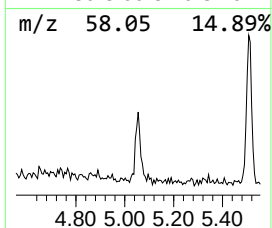
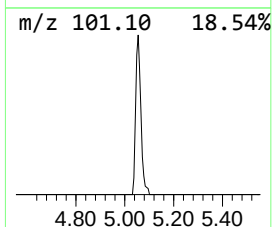
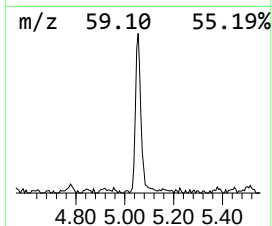
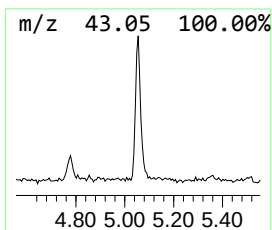
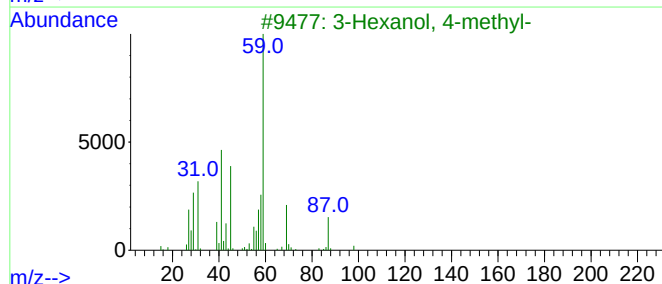
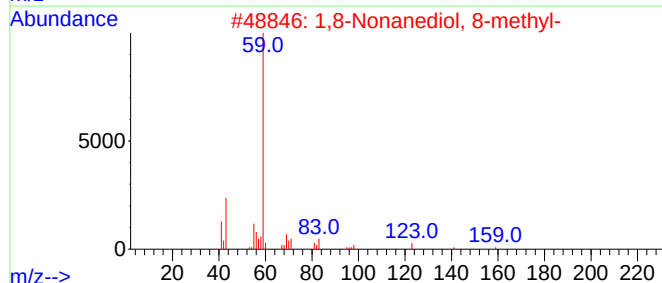
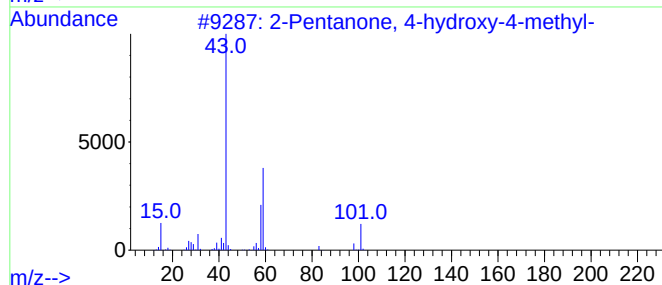
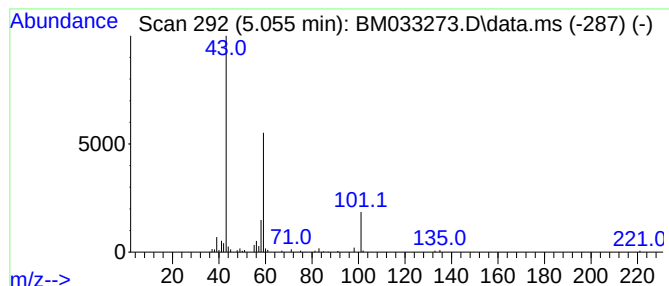
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 14

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 5.055 | 2.06 ng | 85133 | 1,4-Dichlorobenzene-d4 | 7.931 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2   | 000123-42-2  | 40   |
| 2    |    |   | 1,8-Nonanediol, 8-methyl-           | 174 | C10H22O2  | 054725-73-4  | 32   |
| 3    |    |   | 3-Hexanol, 4-methyl-                | 116 | C7H16O    | 000615-29-2  | 28   |
| 4    |    |   | 2,3-Butanedione, monooxime          | 101 | C4H7NO2   | 000057-71-6  | 27   |
| 5    |    |   | Threo-2-methyl-3,4-dibromo-2-but... | 244 | C5H10Br2O | 1000288-19-2 | 25   |



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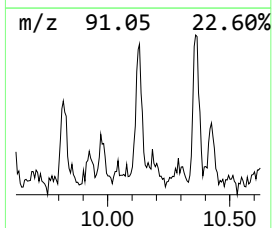
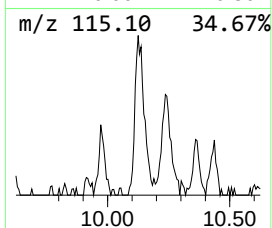
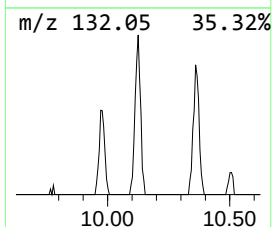
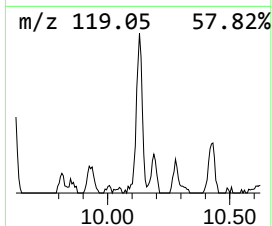
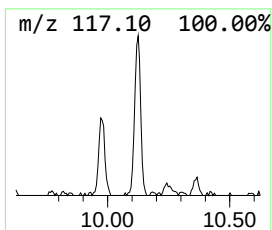
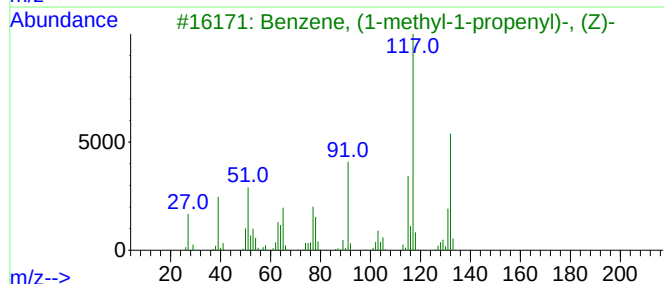
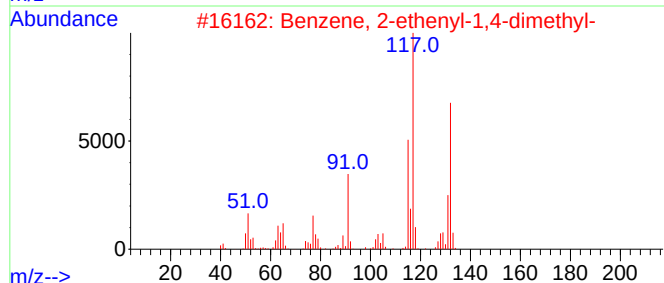
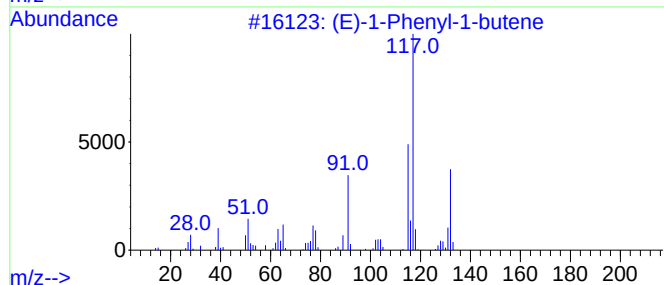
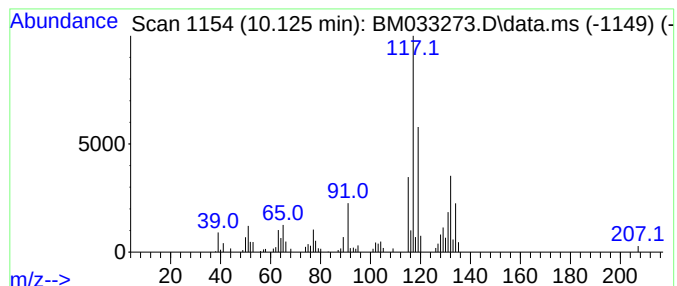
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM112421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 (E)-1-Phenyl-1-butene Concentration Rank 15

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 10.125    | 2.01 ng                             | 117836 | Naphthalene-d8   | 10.731      |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | (E)-1-Phenyl-1-butene               | 132    | C10H12           | 001005-64-7 | 91   |
| 2         | Benzene, 2-ethenyl-1,4-dimethyl-    | 132    | C10H12           | 002039-89-6 | 86   |
| 3         | Benzene, (1-methyl-1-propenyl)-,... | 132    | C10H12           | 000767-99-7 | 64   |
| 4         | 1H-Indene, 2,3-dihydro-2-methyl-    | 132    | C10H12           | 000824-63-5 | 60   |
| 5         | 1H-Indene, 2,3-dihydro-4-methyl-    | 132    | C10H12           | 000824-22-6 | 60   |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

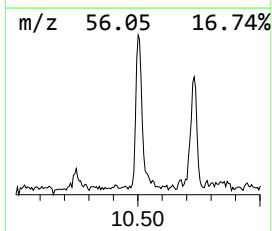
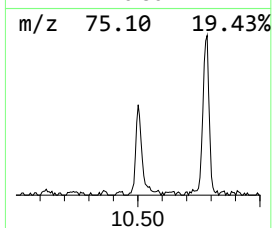
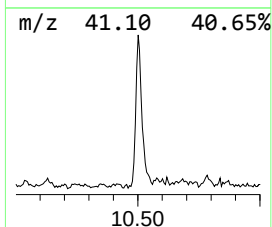
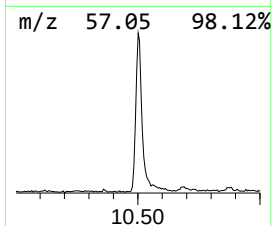
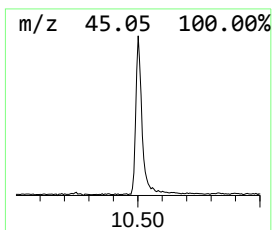
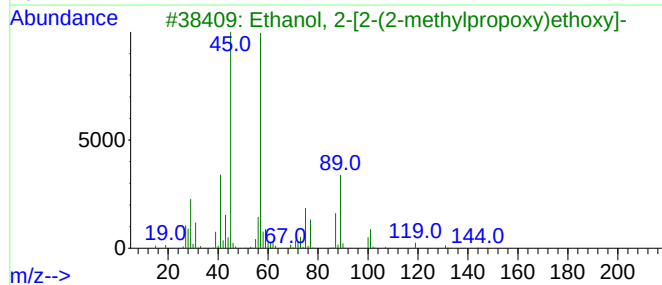
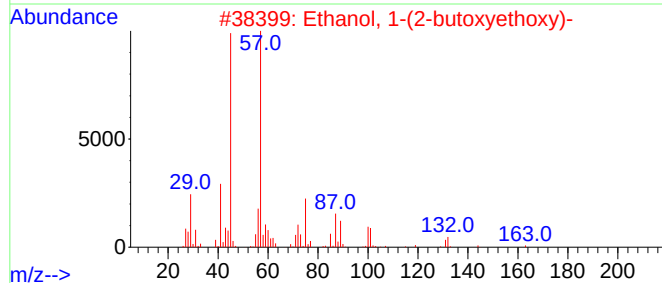
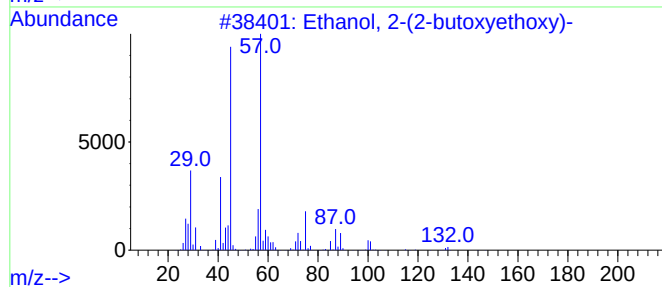
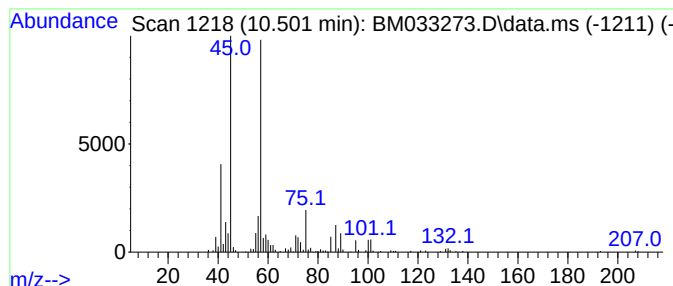
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 6

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 10.501 | 4.68 ng | 274357 | Naphthalene-d8   | 10.731 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Ethanol, 2-(2-butoxyethoxy)-        | 162 | C8H18O3  | 000112-34-5 | 90   |
| 2    |    |   | Ethanol, 1-(2-butoxyethoxy)-        | 162 | C8H18O3  | 054446-78-5 | 90   |
| 3    |    |   | Ethanol, 2-[2-(2-methylpropoxy)e... | 162 | C8H18O3  | 018912-80-6 | 56   |
| 4    |    |   | Sulfurous acid, bis(1-methylprop... | 194 | C8H18O3S | 024769-51-5 | 50   |
| 5    |    |   | Di-sec-Butyl ether                  | 130 | C8H18O   | 006863-58-7 | 50   |



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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM112421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

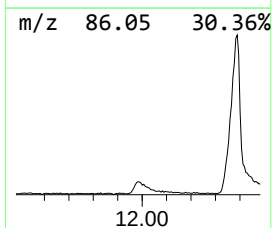
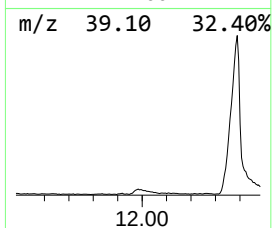
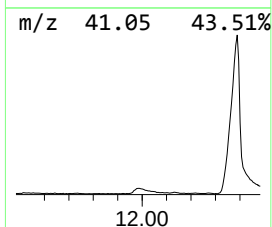
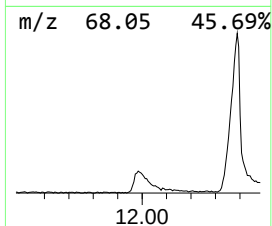
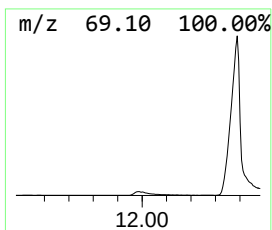
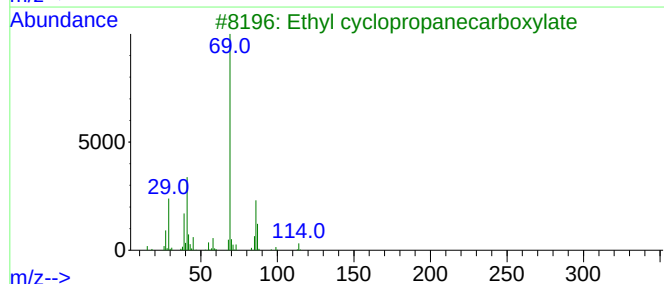
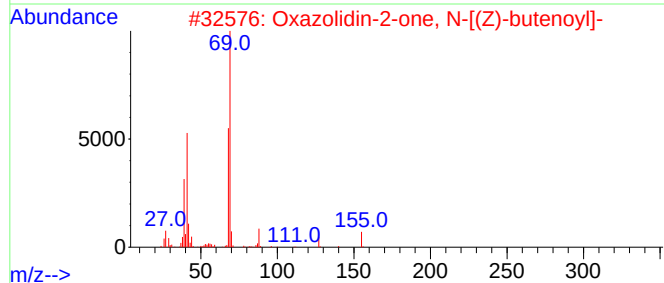
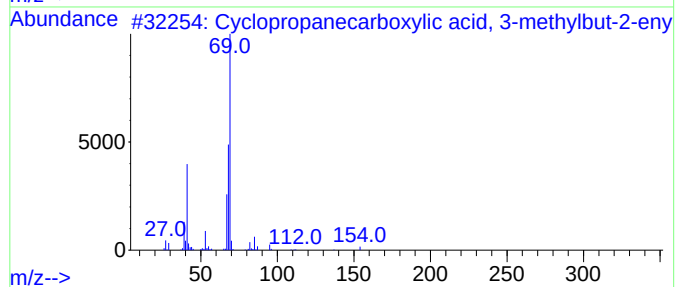
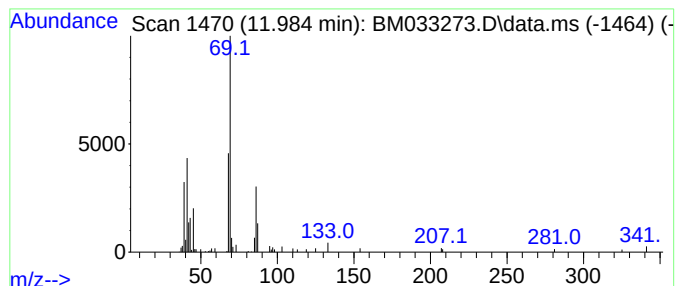
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 Cyclopropanecarboxylic acid... Concentration Rank 12

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.983 | 2.57 ng | 150556 | Naphthalene-d8   | 10.731 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Cyclopropanecarboxylic acid, 3-m... | 154 | C9H14O2     | 1000299-37-4 | 52   |
| 2    |    |   | Oxazolidin-2-one, N-[(Z)-butenoyl]- | 155 | C7H9NO3     | 1000156-45-4 | 50   |
| 3    |    |   | Ethyl cyclopropanecarboxylate       | 114 | C6H10O2     | 004606-07-9  | 50   |
| 4    |    |   | 2-Methyl-1,4-butanediol, bis(pen... | 396 | C11H10F10O4 | 1000376-24-0 | 50   |
| 5    |    |   | Glutaric acid, 3-methylbut-2-en...  | 268 | C15H24O4    | 1000404-95-9 | 42   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112621\  
Data File : BM033273.D  
Acq On : 26 Nov 2021 20:05  
Operator : CG/JU  
Sample : M4817-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A6879

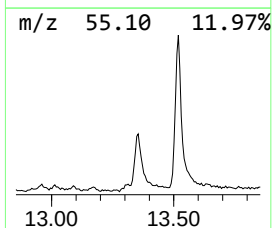
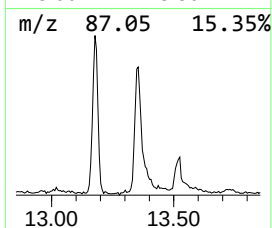
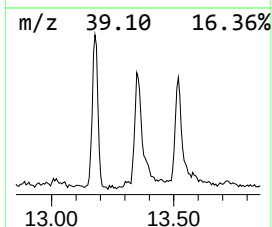
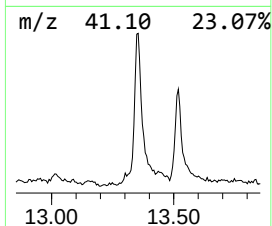
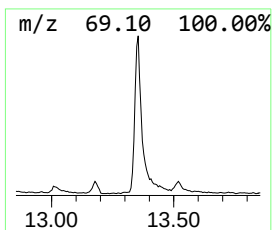
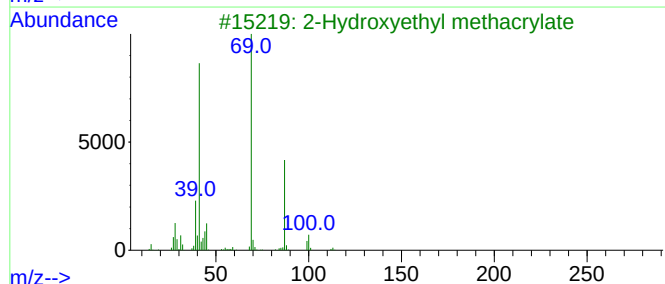
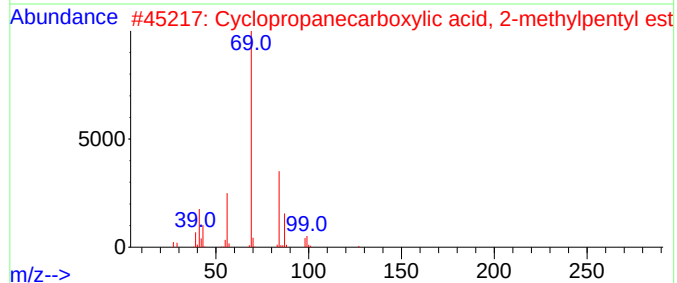
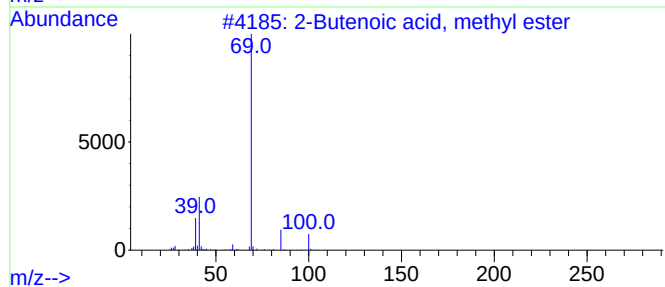
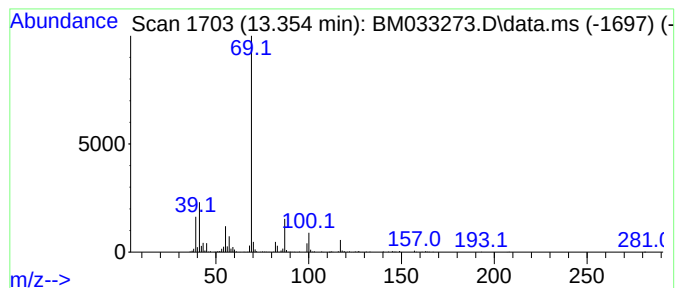
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 unknown13.354 Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.354 | 8.40 ng | 658390 | Acenaphthene-d10 | 14.554 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | 2-Butenoic acid, methyl ester       | 100 | C5H8O2   | 018707-60-3  | 42   |
| 2    |    |   | Cyclopropanecarboxylic acid, 2-m... | 170 | C10H18O2 | 1000354-65-8 | 39   |
| 3    |    |   | 2-Hydroxyethyl methacrylate         | 130 | C6H10O3  | 000868-77-9  | 38   |
| 4    |    |   | 2-Butenoic acid, 2-propenyl ester   | 126 | C7H10O2  | 020474-93-5  | 36   |
| 5    |    |   | 4-Hexen-3-one                       | 98  | C6H10O   | 002497-21-4  | 36   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112621\  
Data File : BM033273.D  
Acq On : 26 Nov 2021 20:05  
Operator : CG/JU  
Sample : M4817-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM112421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

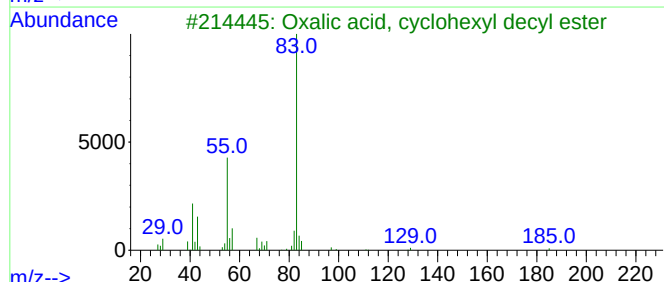
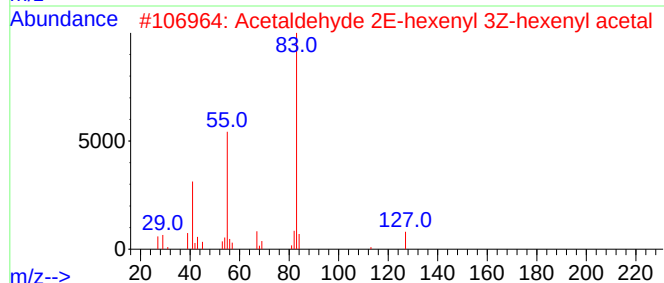
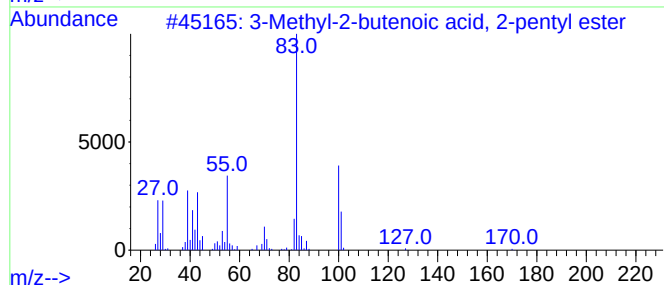
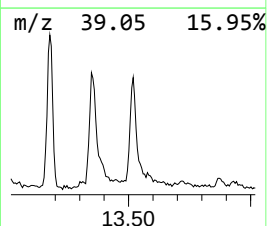
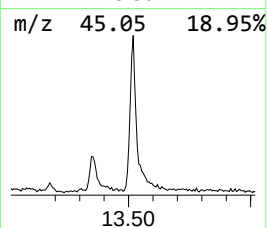
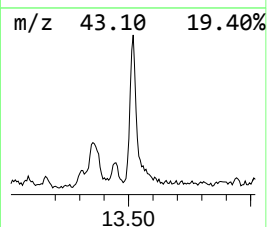
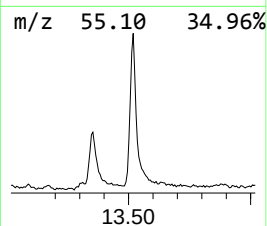
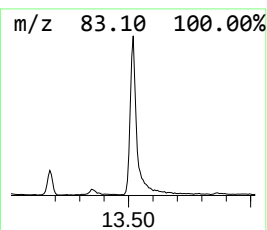
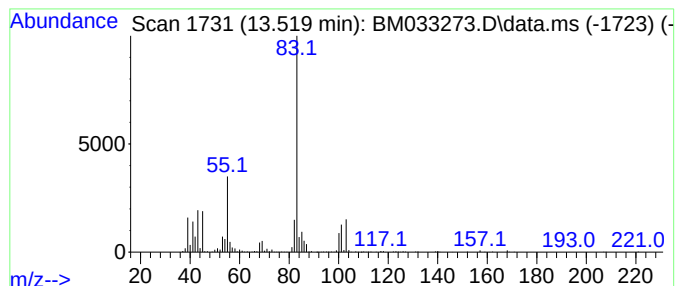
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 3-Methyl-2-butenic acid, 2... Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.519 | 9.05 ng | 709606 | Acenaphthene-d10 | 14.554 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | 3-Methyl-2-butenic acid, 2-pent...  | 170 | C10H18O2 | 150462-84-3  | 64   |
| 2    |    |   | Acetaldehyde 2E-hexenyl 3Z-hexen... | 226 | C14H26O2 | 1000431-45-5 | 50   |
| 3    |    |   | Oxalic acid, cyclohexyl decyl ester | 312 | C18H32O4 | 1000309-31-2 | 50   |
| 4    |    |   | Oxalic acid, cyclohexyl undecyl ... | 326 | C19H34O4 | 1000309-31-3 | 50   |
| 5    |    |   | 3-Methyl-2-butenic acid, cyclop...  | 168 | C10H16O2 | 1000279-23-3 | 45   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112621\  
Data File : BM033273.D  
Acq On : 26 Nov 2021 20:05  
Operator : CG/JU  
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Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A6879

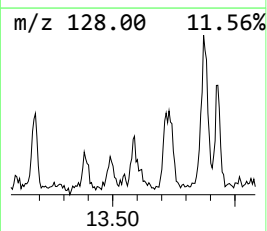
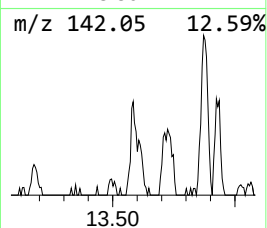
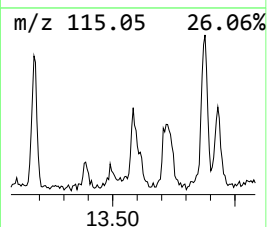
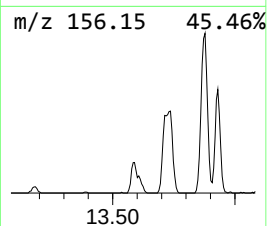
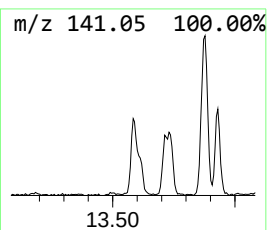
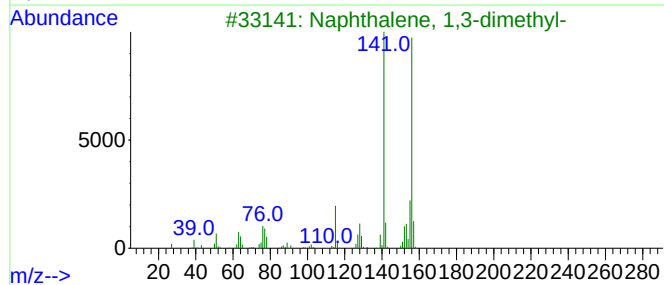
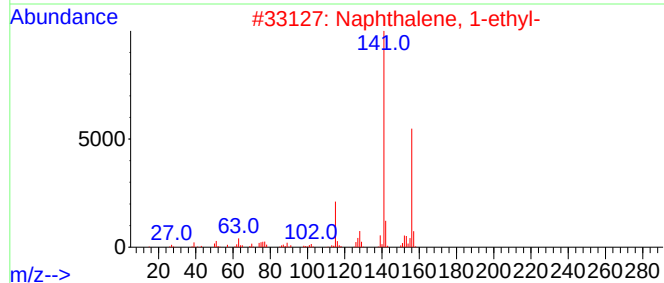
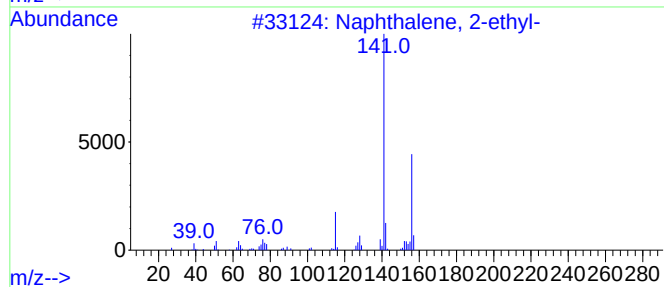
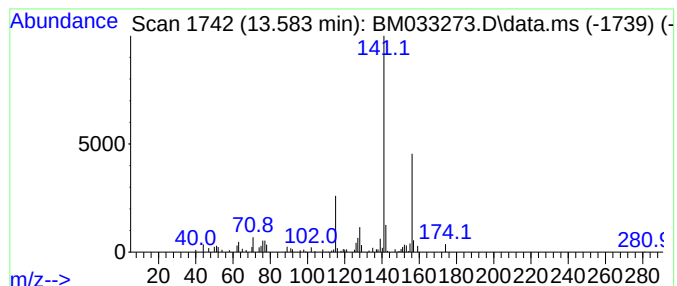
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 Naphthalene, 2-ethyl- Concentration Rank 13

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.583 | 2.19 ng | 171474 | Acenaphthene-d10 | 14.554 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2-ethyl-               | 156 | C12H12  | 000939-27-5 | 94   |
| 2    |    |   | Naphthalene, 1-ethyl-               | 156 | C12H12  | 001127-76-0 | 94   |
| 3    |    |   | Naphthalene, 1,3-dimethyl-          | 156 | C12H12  | 000575-41-7 | 91   |
| 4    |    |   | 2,4-Difluoromesitylene              | 156 | C9H10F2 | 000392-61-0 | 64   |
| 5    |    |   | 2-Thiophenecarboxylic acid, 5-et... | 156 | C7H8O2S | 023229-72-3 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112621\  
Data File : BM033273.D  
Acq On : 26 Nov 2021 20:05  
Operator : CG/JU  
Sample : M4817-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A6879

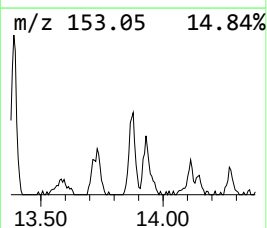
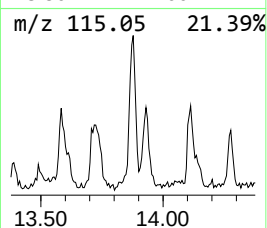
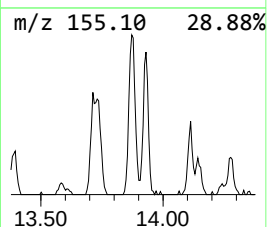
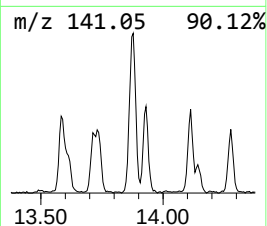
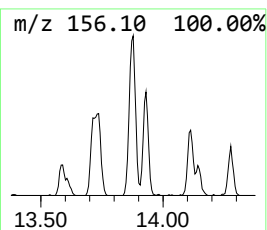
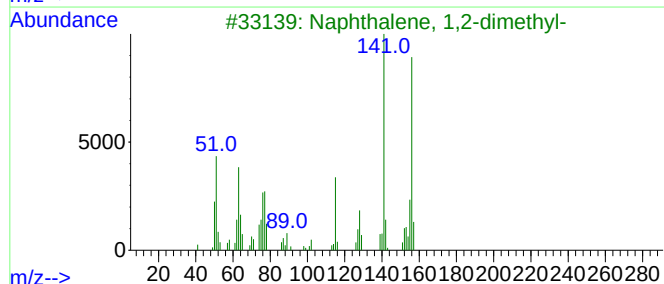
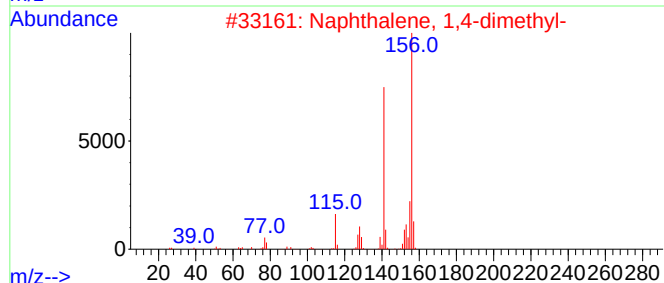
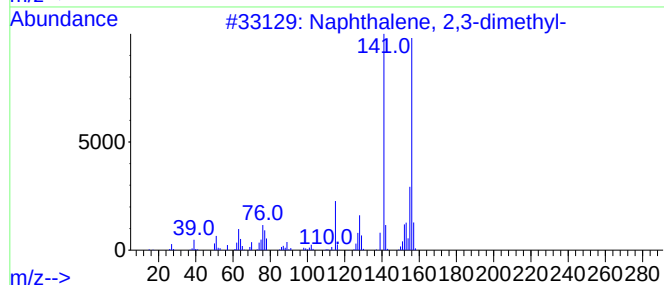
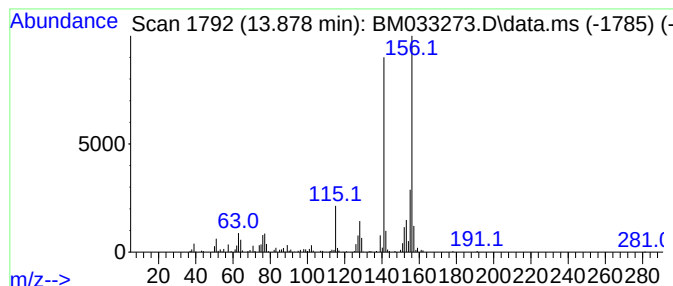
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 Naphthalene, 2,3-dimethyl- Concentration Rank 7

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.878 | 3.83 ng | 299944 | Acenaphthene-d10 | 14.554 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 98   |
| 2    |    |   | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 97   |
| 3    |    |   | Naphthalene, 1,2-dimethyl- | 156 | C12H12  | 000573-98-8 | 97   |
| 4    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 96   |
| 5    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 96   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112621\  
Data File : BM033273.D  
Acq On : 26 Nov 2021 20:05  
Operator : CG/JU  
Sample : M4817-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A6879

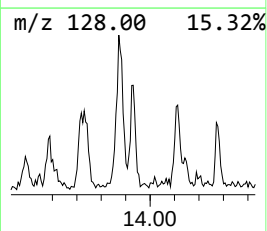
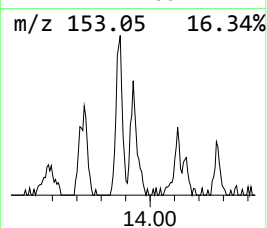
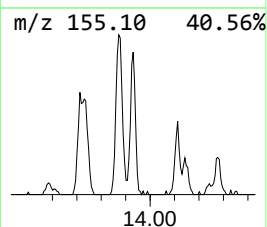
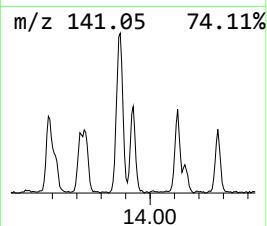
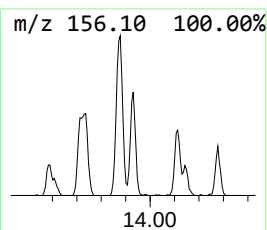
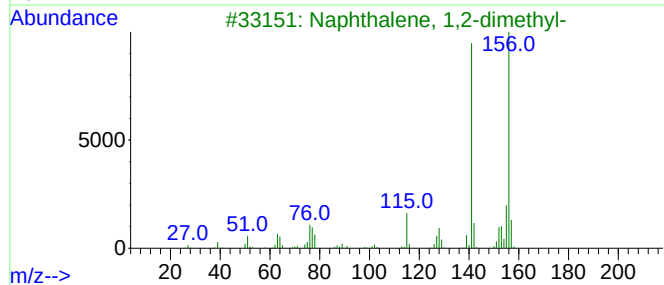
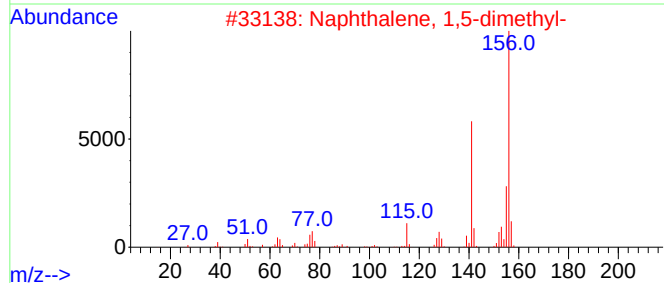
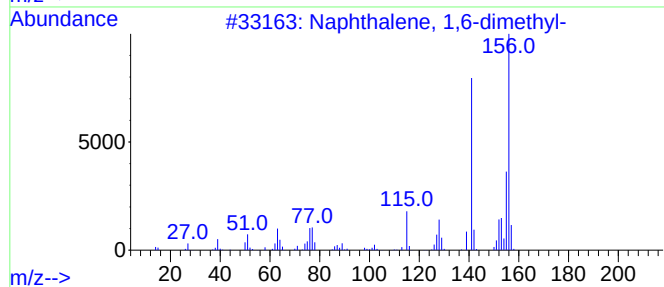
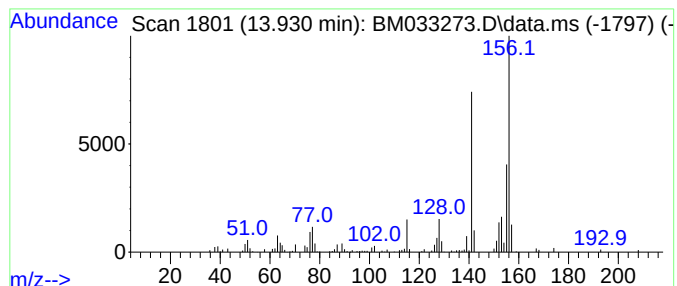
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 Naphthalene, 1,6-dimethyl- Concentration Rank 11

| R.T.      | EstConc                    | Area   | Relative to ISTD | R.T.        |      |
|-----------|----------------------------|--------|------------------|-------------|------|
| 13.931    | 2.75 ng                    | 215655 | Acenaphthene-d10 | 14.554      |      |
| Hit# of 5 | Tentative ID               | MW     | MolForm          | CAS#        | Qual |
| 1         | Naphthalene, 1,6-dimethyl- | 156    | C12H12           | 000575-43-9 | 97   |
| 2         | Naphthalene, 1,5-dimethyl- | 156    | C12H12           | 000571-61-9 | 97   |
| 3         | Naphthalene, 1,2-dimethyl- | 156    | C12H12           | 000573-98-8 | 96   |
| 4         | Naphthalene, 1,3-dimethyl- | 156    | C12H12           | 000575-41-7 | 96   |
| 5         | Naphthalene, 2,7-dimethyl- | 156    | C12H12           | 000582-16-1 | 96   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112621\  
Data File : BM033273.D  
Acq On : 26 Nov 2021 20:05  
Operator : CG/JU  
Sample : M4817-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A6879

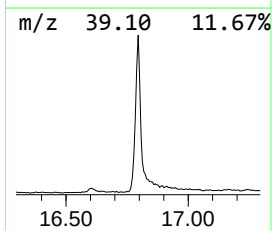
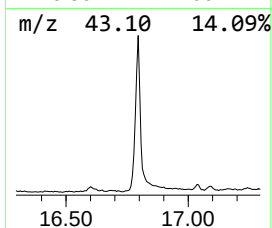
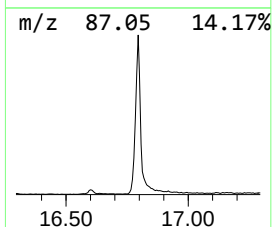
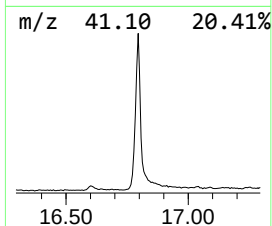
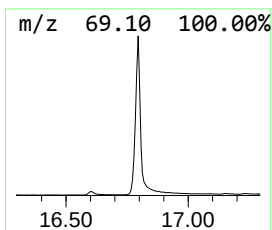
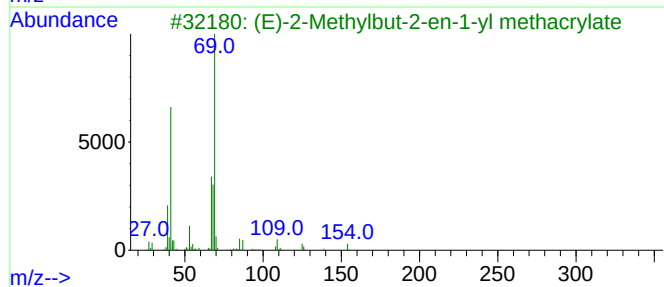
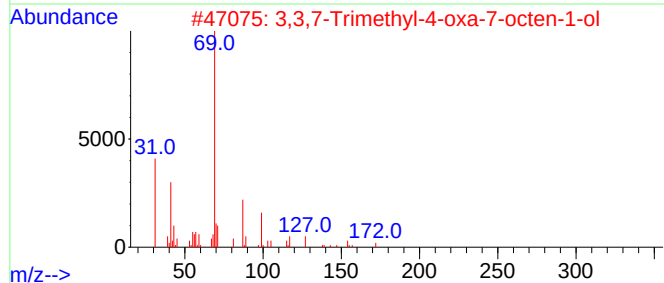
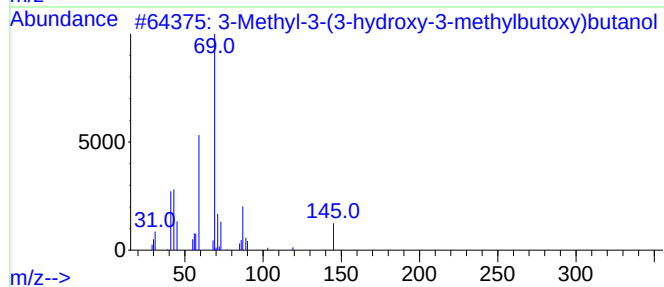
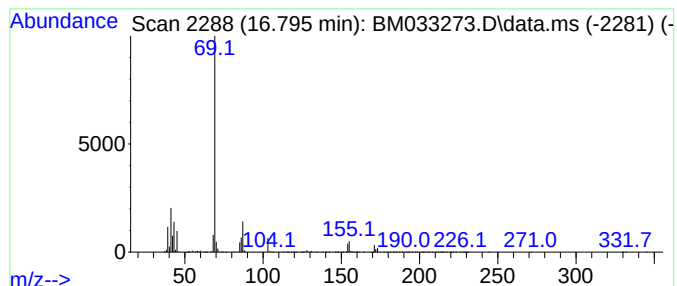
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 unknown16.795 Concentration Rank 1

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 16.795 | 38.98 ng | 3298860 | Phenanthrene-d10 | 17.289 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | 3-Methyl-3-(3-hydroxy-3-methylbu... | 190 | C10H22O3 | 1000432-16-8 | 40   |
| 2    |    |   | 3,3,7-Trimethyl-4-oxa-7-octen-1-ol  | 172 | C10H20O2 | 069161-47-3  | 9    |
| 3    |    |   | (E)-2-Methylbut-2-en-1-yl methac... | 154 | C9H14O2  | 088142-95-4  | 9    |
| 4    |    |   | Cyclopropanecarboxylic acid,isob... | 142 | C8H14O2  | 064969-79-5  | 9    |
| 5    |    |   | Ethyl cyclopropanecarboxylate       | 114 | C6H10O2  | 004606-07-9  | 9    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112621\  
Data File : BM033273.D  
Acq On : 26 Nov 2021 20:05  
Operator : CG/JU  
Sample : M4817-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A6879

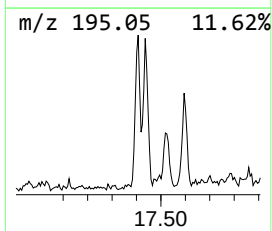
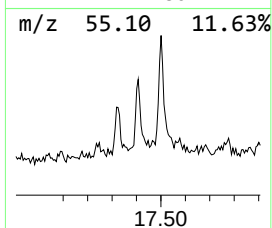
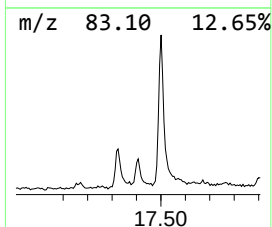
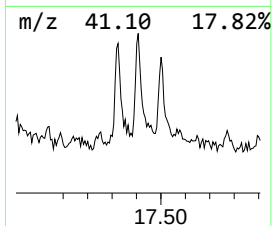
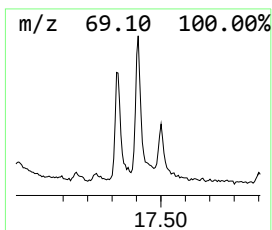
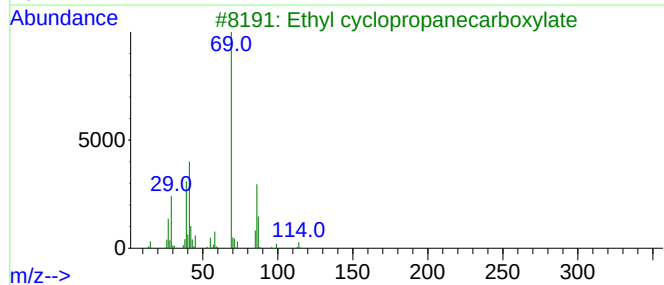
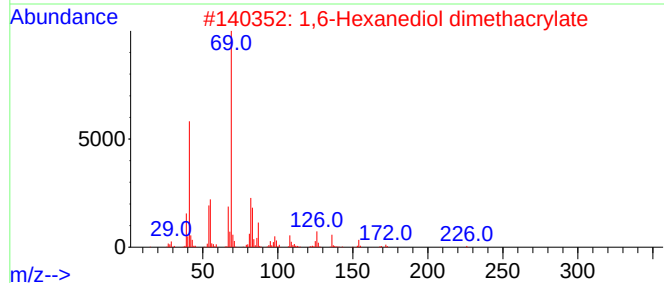
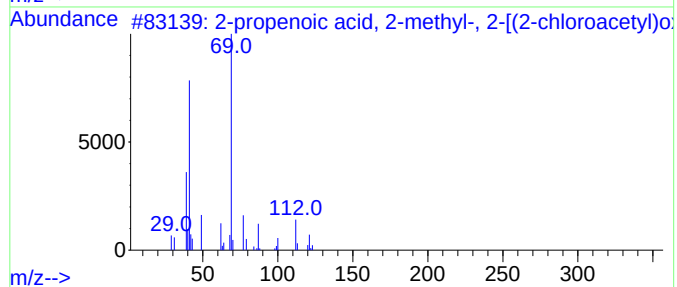
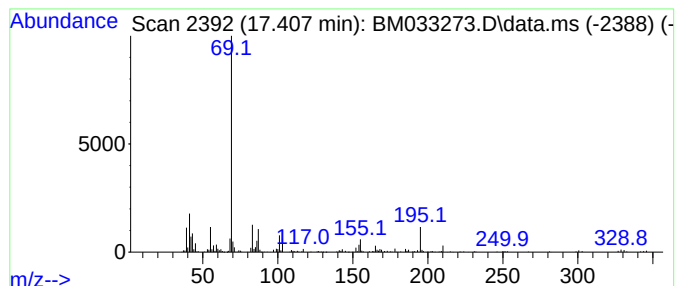
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 unknown17.407 Concentration Rank 9

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 17.407 | 3.66 ng | 309519 | Phenanthrene-d10 | 17.289 |

| Hit# | of                                  | 5   | Tentative ID  | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|---------------|--------------|---------|------|------|
| 1    | 2-propenoic acid, 2-methyl-, 2-[... | 206 | C8H11ClO4     | 1000400-53-0 | 42      |      |      |
| 2    | 1,6-Hexanediol dimethacrylate       | 254 | C14H22O4      | 006606-59-3  | 38      |      |      |
| 3    | Ethyl cyclopropanecarboxylate       | 114 | C6H10O2       | 004606-07-9  | 36      |      |      |
| 4    | 2-Propenoic acid, 2-methyl-, 2-e... | 338 | C18H26O6      | 003290-92-4  | 33      |      |      |
| 5    | 5-Thia-10-azaspiro[3.6]decane-7-... | 402 | C15H16F6N2O2S | 1010259-93-7 | 28      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112621\  
Data File : BM033273.D  
Acq On : 26 Nov 2021 20:05  
Operator : CG/JU  
Sample : M4817-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A6879

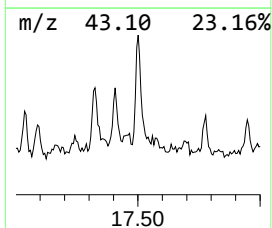
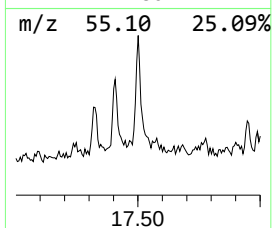
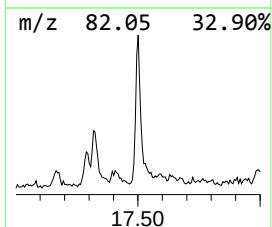
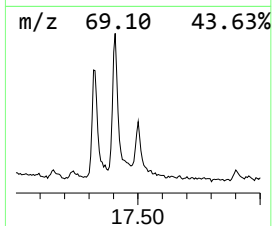
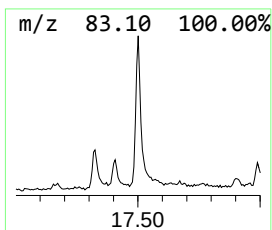
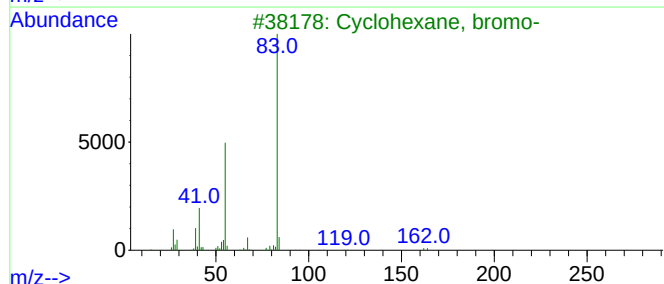
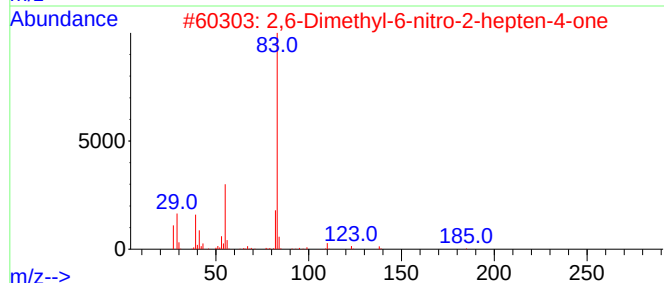
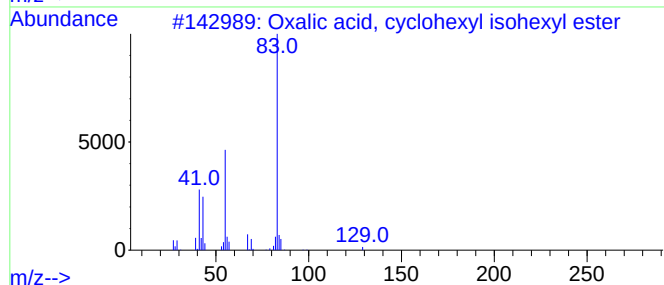
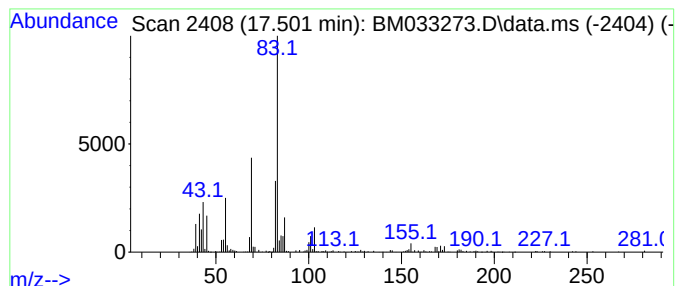
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 unknown17.501 Concentration Rank 8

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 17.501 | 3.76 ng | 317806 | Phenanthrene-d10 | 17.289 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Oxalic acid, cyclohexyl isohexyl... | 256 | C14H24O4 | 1010309-30-7 | 47   |
| 2    |    |   | 2,6-Dimethyl-6-nitro-2-hepten-4-one | 185 | C9H15NO3 | 073583-56-9  | 47   |
| 3    |    |   | Cyclohexane, bromo-                 | 162 | C6H11Br  | 000108-85-0  | 43   |
| 4    |    |   | 2-Butenoic acid, 3-methyl-, ethy... | 128 | C7H12O2  | 000638-10-8  | 40   |
| 5    |    |   | Neopentyl (E)-2-methylbut-2-enoate  | 170 | C10H18O2 | 1000373-71-0 | 40   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112621\  
Data File : BM033273.D  
Acq On : 26 Nov 2021 20:05  
Operator : CG/JU  
Sample : M4817-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A6879

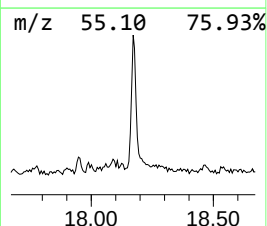
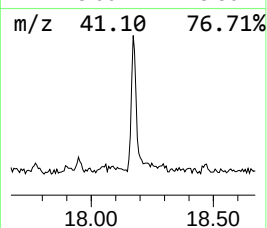
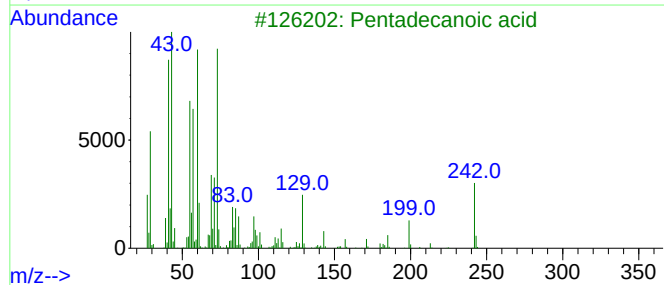
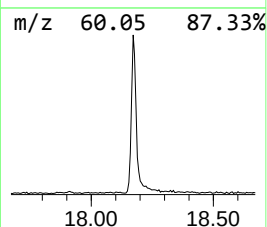
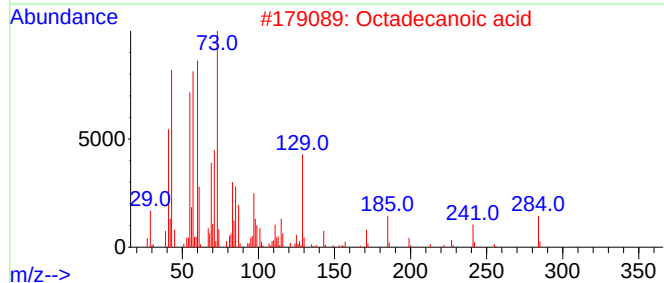
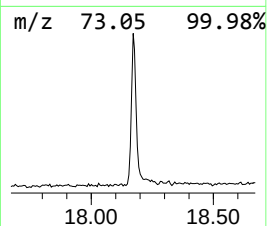
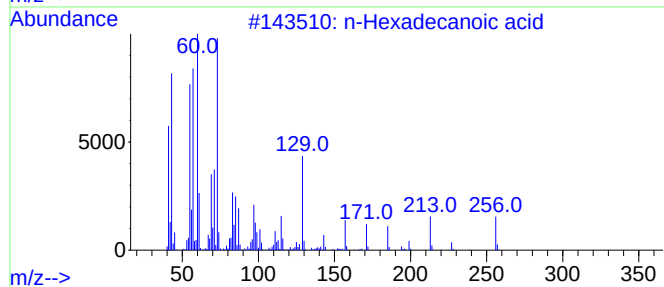
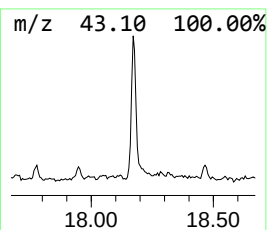
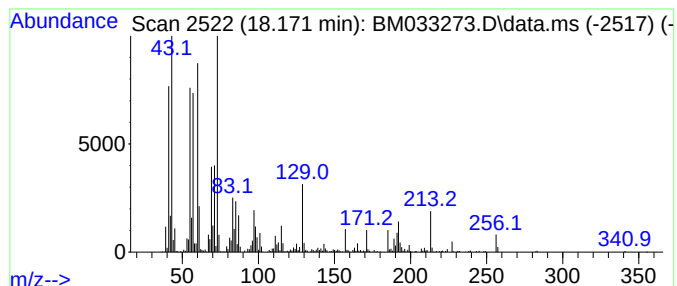
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 13 n-Hexadecanoic acid Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.171 | 7.39 ng | 625425 | Phenanthrene-d10 | 17.289 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 90   |
| 3    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 87   |
| 4    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 80   |
| 5    |    |   | Octanoic acid       | 144 | C8H16O2  | 000124-07-2 | 45   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112621\  
Data File : BM033273.D  
Acq On : 26 Nov 2021 20:05  
Operator : CG/JU  
Sample : M4817-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A6879

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM112421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

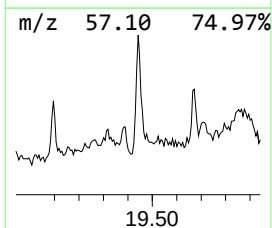
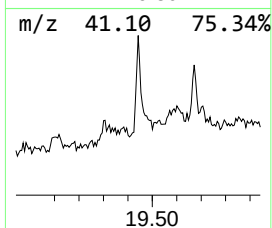
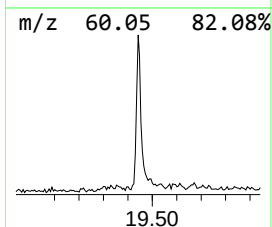
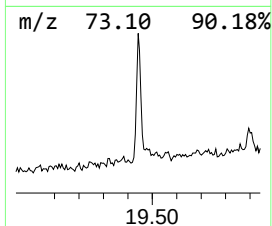
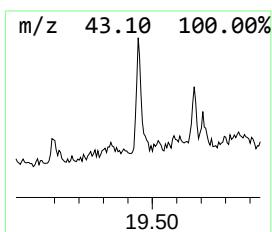
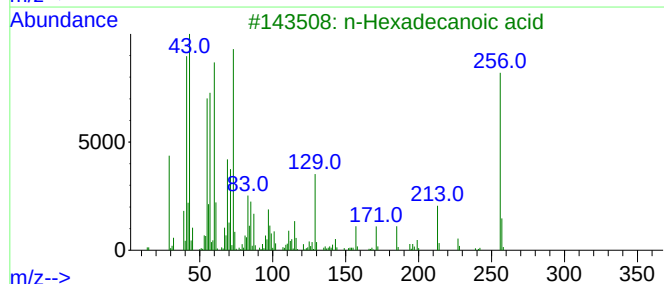
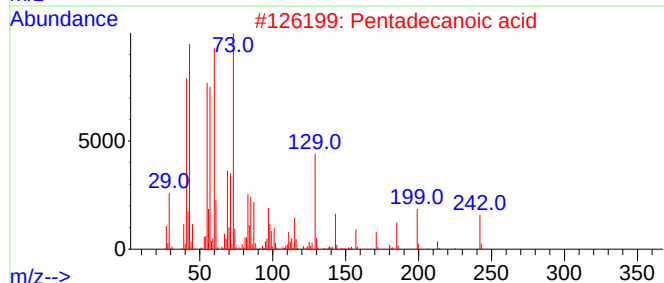
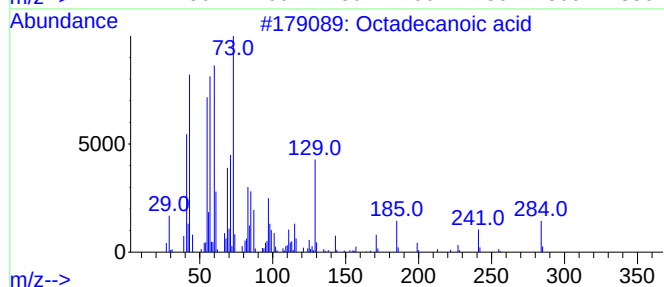
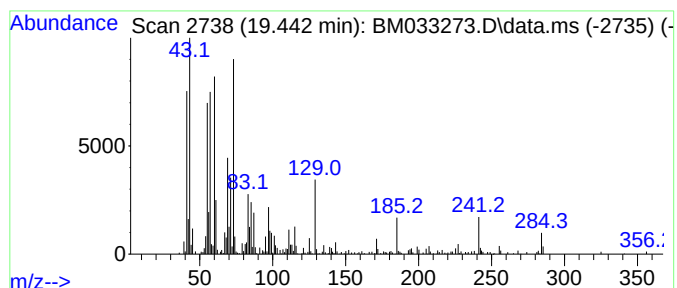
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Octadecanoic acid Concentration Rank 10

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 19.442 | 3.12 ng | 284195 | Chrysene-d12     | 21.453 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|------|-------------------------------------|-----|----------|-------------|------|
| 1    |      | Octadecanoic acid                   | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |      | Pentadecanoic acid                  | 242 | C15H30O2 | 001002-84-2 | 93   |
| 3    |      | n-Hexadecanoic acid                 | 256 | C16H32O2 | 000057-10-3 | 93   |
| 4    |      | Octadecanoic acid, 2-(2-hydroxye... | 372 | C22H44O4 | 000106-11-6 | 91   |
| 5    |      | Tridecanoic acid                    | 214 | C13H26O2 | 000638-53-9 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112621\  
Data File : BM033273.D  
Acq On : 26 Nov 2021 20:05  
Operator : CG/JU  
Sample : M4817-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A6879

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM112421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

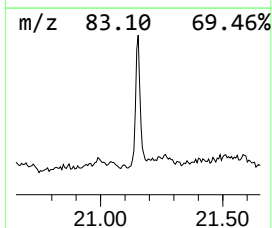
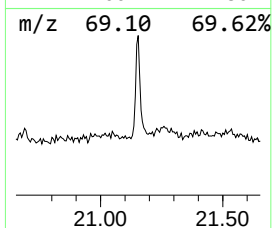
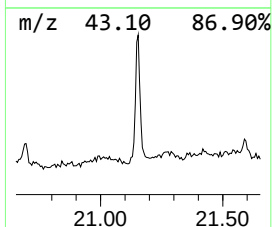
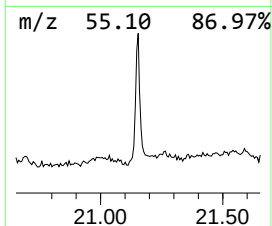
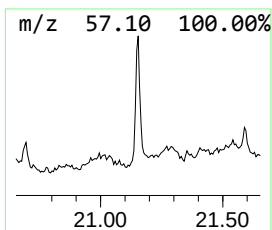
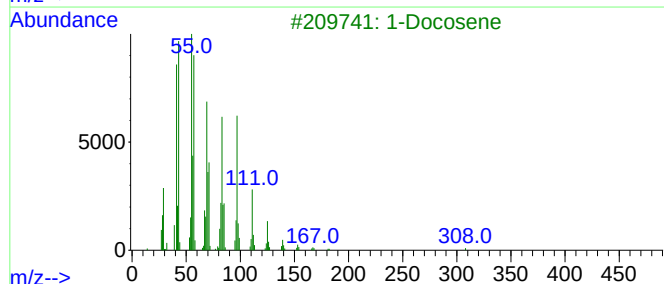
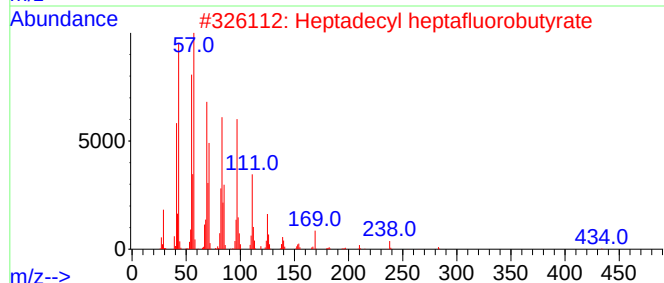
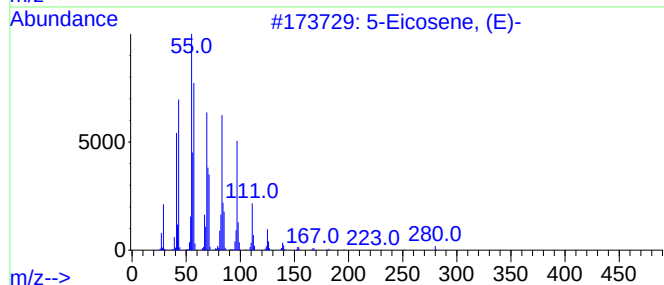
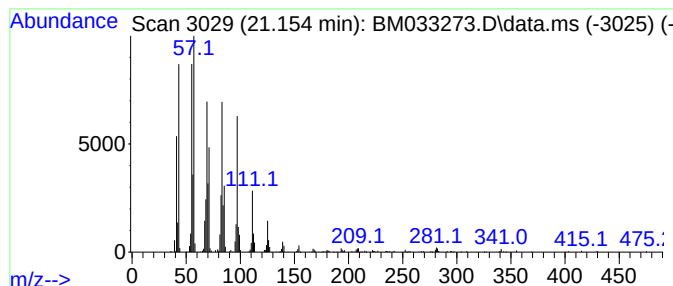
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 5-Eicosene, (E)- Concentration Rank 5

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 21.154 | 6.01 ng | 546620 | Chrysene-d12     | 21.453 |

| Hit# | of 5                           | Tentative ID | MW  | MolForm    | CAS#        | Qual |
|------|--------------------------------|--------------|-----|------------|-------------|------|
| 1    | 5-Eicosene, (E)-               |              | 280 | C20H40     | 074685-30-6 | 96   |
| 2    | Heptadecyl heptafluorobutyrate |              | 452 | C21H35F7O2 | 959085-66-6 | 94   |
| 3    | 1-Docosene                     |              | 308 | C22H44     | 001599-67-3 | 94   |
| 4    | Octadecyl trifluoroacetate     |              | 366 | C20H37F3O2 | 079392-43-1 | 94   |
| 5    | Cyclotridecane                 |              | 182 | C13H26     | 000295-02-3 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112621\  
Data File : BM033273.D  
Acq On : 26 Nov 2021 20:05  
Operator : CG/JU  
Sample : M4817-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A6879

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM112421.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-... | 5.055  | 2.1     | ng    | 85133    | 1                     | 7.931  | 827496  | 20.0 |
| (E)-1-Phenyl-1-... | 10.125 | 2.0     | ng    | 117836   | 2                     | 10.731 | 1171540 | 20.0 |
| Ethanol, 2-(2-b... | 10.501 | 4.7     | ng    | 274357   | 2                     | 10.731 | 1171540 | 20.0 |
| Cyclopropanecar... | 11.983 | 2.6     | ng    | 150556   | 2                     | 10.731 | 1171540 | 20.0 |
| unknown13.354      | 13.354 | 8.4     | ng    | 658390   | 3                     | 14.554 | 1568160 | 20.0 |
| 3-Methyl-2-bute... | 13.519 | 9.1     | ng    | 709606   | 3                     | 14.554 | 1568160 | 20.0 |
| Naphthalene, 2-... | 13.583 | 2.2     | ng    | 171474   | 3                     | 14.554 | 1568160 | 20.0 |
| Naphthalene, 2,... | 13.878 | 3.8     | ng    | 299944   | 3                     | 14.554 | 1568160 | 20.0 |
| Naphthalene, 1,... | 13.931 | 2.8     | ng    | 215655   | 3                     | 14.554 | 1568160 | 20.0 |
| unknown16.795      | 16.795 | 39.0    | ng    | 3298860  | 4                     | 17.289 | 1692530 | 20.0 |
| unknown17.407      | 17.407 | 3.7     | ng    | 309519   | 4                     | 17.289 | 1692530 | 20.0 |
| unknown17.501      | 17.501 | 3.8     | ng    | 317806   | 4                     | 17.289 | 1692530 | 20.0 |
| n-Hexadecanoic ... | 18.171 | 7.4     | ng    | 625425   | 4                     | 17.289 | 1692530 | 20.0 |
| Octadecanoic acid  | 19.442 | 3.1     | ng    | 284195   | 5                     | 21.453 | 1819190 | 20.0 |
| 5-Eicosene, (E)-   | 21.154 | 6.0     | ng    | 546620   | 5                     | 21.453 | 1819190 | 20.0 |