

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050925\  
 Data File : BM050173.D  
 Acq On : 09 May 2025 23:58  
 Operator : RC/JU  
 Sample : Q1983-01  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 OR-636-COMP-01

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-BM042825.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM050173.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         | 4.863       | 313           | 319         | 326          | rBV      | 162124         | 261872        | 3.99%           | 0.404%        |
| 2         | 5.334       | 393           | 399         | 421          | rBV      | 1533205        | 2740268       | 41.75%          | 4.226%        |
| 3         | 6.934       | 664           | 671         | 688          | rBV      | 1254832        | 2805613       | 42.74%          | 4.327%        |
| 4         | 7.739       | 801           | 808         | 819          | rBV      | 1327093        | 2236022       | 34.06%          | 3.448%        |
| 5         | 8.904       | 999           | 1006        | 1030         | rBV      | 780247         | 1837840       | 28.00%          | 2.834%        |
| 6         | 10.533      | 1276          | 1283        | 1303         | rBV      | 1476373        | 3099593       | 47.22%          | 4.780%        |
| 7         | 13.004      | 1696          | 1703        | 1724         | rBV      | 2478824        | 4487793       | 68.37%          | 6.921%        |
| 8         | 14.121      | 1886          | 1893        | 1907         | rBV      | 66461          | 133913        | 2.04%           | 0.207%        |
| 9         | 14.386      | 1931          | 1938        | 1947         | rBV      | 2699829        | 4497651       | 68.52%          | 6.936%        |
| 10        | 15.451      | 2114          | 2119        | 2129         | rVB2     | 51735          | 97902         | 1.49%           | 0.151%        |
| 11        | 15.751      | 2164          | 2170        | 2185         | rBV      | 599837         | 1014468       | 15.45%          | 1.564%        |
| 12        | 15.892      | 2187          | 2194        | 2213         | rVV      | 2205907        | 3858759       | 58.79%          | 5.951%        |
| 13        | 16.127      | 2227          | 2234        | 2245         | rVB10    | 30270          | 87133         | 1.33%           | 0.134%        |
| 14        | 16.962      | 2372          | 2376        | 2384         | rVB      | 60845          | 104197        | 1.59%           | 0.161%        |
| 15        | 17.139      | 2399          | 2406        | 2410         | rBV2     | 3591824        | 5302711       | 80.78%          | 8.177%        |
| 16        | 17.180      | 2410          | 2413        | 2422         | rVV      | 1069634        | 1601120       | 24.39%          | 2.469%        |
| 17        | 17.280      | 2426          | 2430        | 2437         | rVB      | 117274         | 191375        | 2.92%           | 0.295%        |
| 18        | 17.562      | 2474          | 2478        | 2486         | rVB2     | 55855          | 108359        | 1.65%           | 0.167%        |
| 19        | 17.727      | 2502          | 2506        | 2515         | rVB2     | 45431          | 89488         | 1.36%           | 0.138%        |
| 20        | 18.033      | 2551          | 2558        | 2561         | rBV2     | 479929         | 875222        | 13.33%          | 1.350%        |
| 21        | 18.068      | 2561          | 2564        | 2573         | rVB      | 280481         | 466960        | 7.11%           | 0.720%        |
| 22        | 18.209      | 2583          | 2588        | 2592         | rBV2     | 277251         | 478001        | 7.28%           | 0.737%        |
| 23        | 18.251      | 2592          | 2595        | 2602         | rVB      | 155730         | 231508        | 3.53%           | 0.357%        |
| 24        | 18.515      | 2636          | 2640        | 2646         | rBV      | 123171         | 183835        | 2.80%           | 0.283%        |
| 25        | 18.574      | 2646          | 2650        | 2659         | rVB      | 166390         | 264629        | 4.03%           | 0.408%        |
| 26        | 18.815      | 2688          | 2691        | 2695         | rVB      | 60701          | 74675         | 1.14%           | 0.115%        |
| 27        | 18.939      | 2707          | 2712        | 2717         | rBV      | 168578         | 280055        | 4.27%           | 0.432%        |
| 28        | 19.033      | 2725          | 2728        | 2731         | rVB      | 65041          | 81383         | 1.24%           | 0.126%        |
| 29        | 19.092      | 2731          | 2738        | 2744         | rBV3     | 111720         | 243874        | 3.72%           | 0.376%        |
| 30        | 19.198      | 2751          | 2756        | 2764         | rBV      | 2150130        | 2816289       | 42.90%          | 4.343%        |
| 31        | 19.315      | 2771          | 2776        | 2778         | rBV4     | 132317         | 212923        | 3.24%           | 0.328%        |
| 32        | 19.445      | 2795          | 2798        | 2802         | rVB      | 65264          | 77167         | 1.18%           | 0.119%        |
| 33        | 19.562      | 2810          | 2818        | 2827         | rVB      | 1894444        | 2914795       | 44.41%          | 4.495%        |
| 34        | 19.639      | 2828          | 2831        | 2838         | rVB2     | 105618         | 162552        | 2.48%           | 0.251%        |
| 35        | 19.762      | 2847          | 2852        | 2858         | rBV      | 5804850        | 6564028       | 100.00%         | 10.123%       |
| 36        | 19.892      | 2869          | 2874        | 2882         | rBV4     | 135956         | 337513        | 5.14%           | 0.520%        |

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Data File : BM050173.D  
Acq On : 09 May 2025 23:58  
Operator : RC/JU  
Sample : Q1983-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
OR-636-COMP-01

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-BM042825.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 20.062 | 2900 | 2903 | 2911 | rVB  | 252659  | 372179  | 5.67%  | 0.574% |
| 38 | 20.162 | 2917 | 2920 | 2924 | rVB  | 125542  | 146378  | 2.23%  | 0.226% |
| 39 | 20.221 | 2926 | 2930 | 2934 | rVV2 | 175973  | 251507  | 3.83%  | 0.388% |
| 40 | 20.362 | 2950 | 2954 | 2957 | rBV  | 143534  | 192299  | 2.93%  | 0.297% |
| 41 | 20.409 | 2958 | 2962 | 2966 | rVV  | 144106  | 196085  | 2.99%  | 0.302% |
| 42 | 20.821 | 3029 | 3032 | 3037 | rVB  | 142325  | 187873  | 2.86%  | 0.290% |
| 43 | 20.986 | 3057 | 3060 | 3064 | rBV  | 144860  | 198290  | 3.02%  | 0.306% |
| 44 | 21.027 | 3064 | 3067 | 3068 | rVV2 | 107420  | 121803  | 1.86%  | 0.188% |
| 45 | 21.050 | 3068 | 3071 | 3080 | rVB3 | 212886  | 449885  | 6.85%  | 0.694% |
| 46 | 21.380 | 3119 | 3127 | 3132 | rBV2 | 3727596 | 6159212 | 93.83% | 9.498% |
| 47 | 21.427 | 3132 | 3135 | 3147 | rVB  | 651950  | 1000117 | 15.24% | 1.542% |
| 48 | 23.433 | 3471 | 3476 | 3483 | rBV  | 302538  | 823993  | 12.55% | 1.271% |
| 49 | 24.232 | 3607 | 3612 | 3623 | rVB  | 260512  | 642166  | 9.78%  | 0.990% |
| 50 | 24.374 | 3628 | 3636 | 3645 | rVV  | 1309602 | 3282525 | 50.01% | 5.062% |

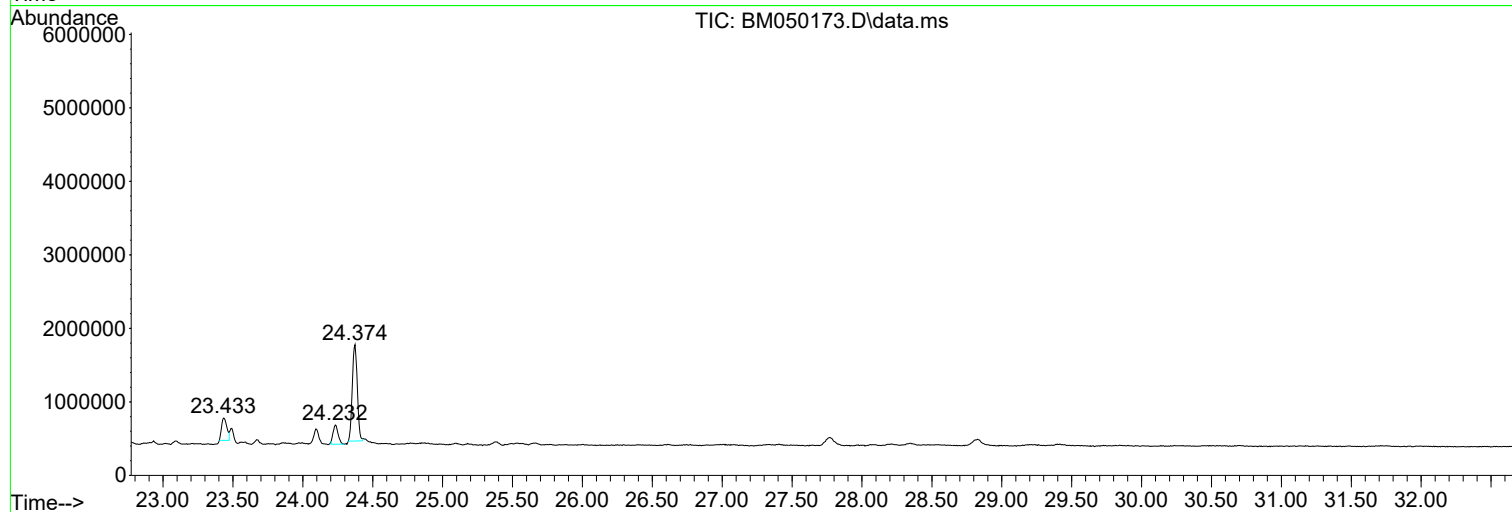
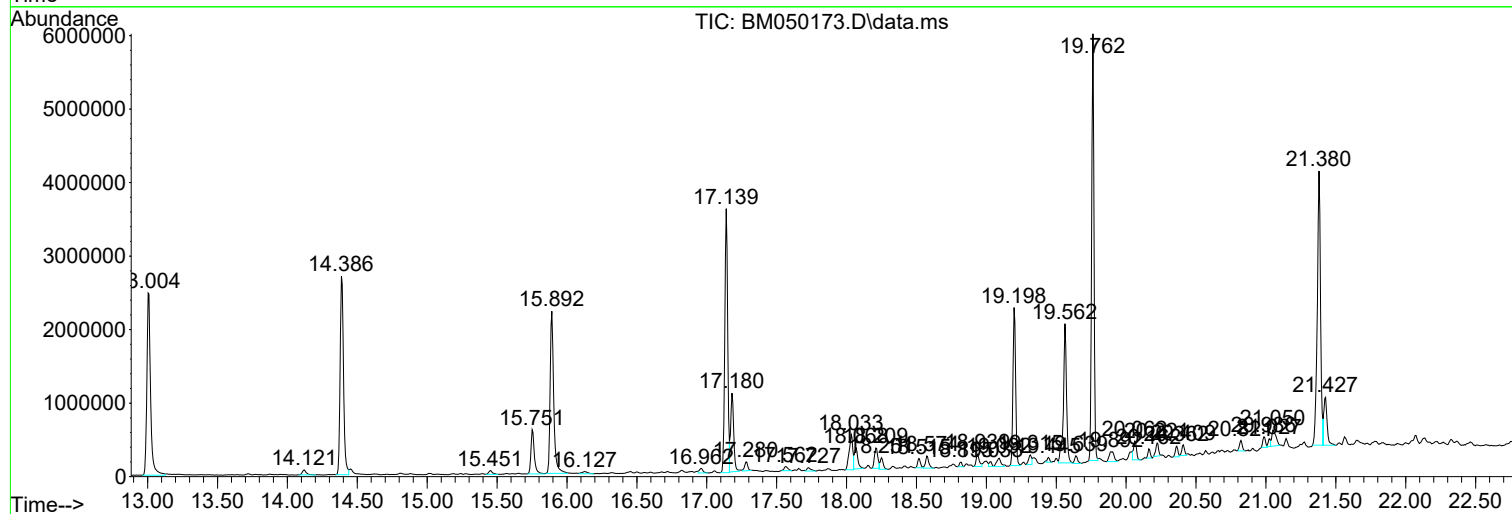
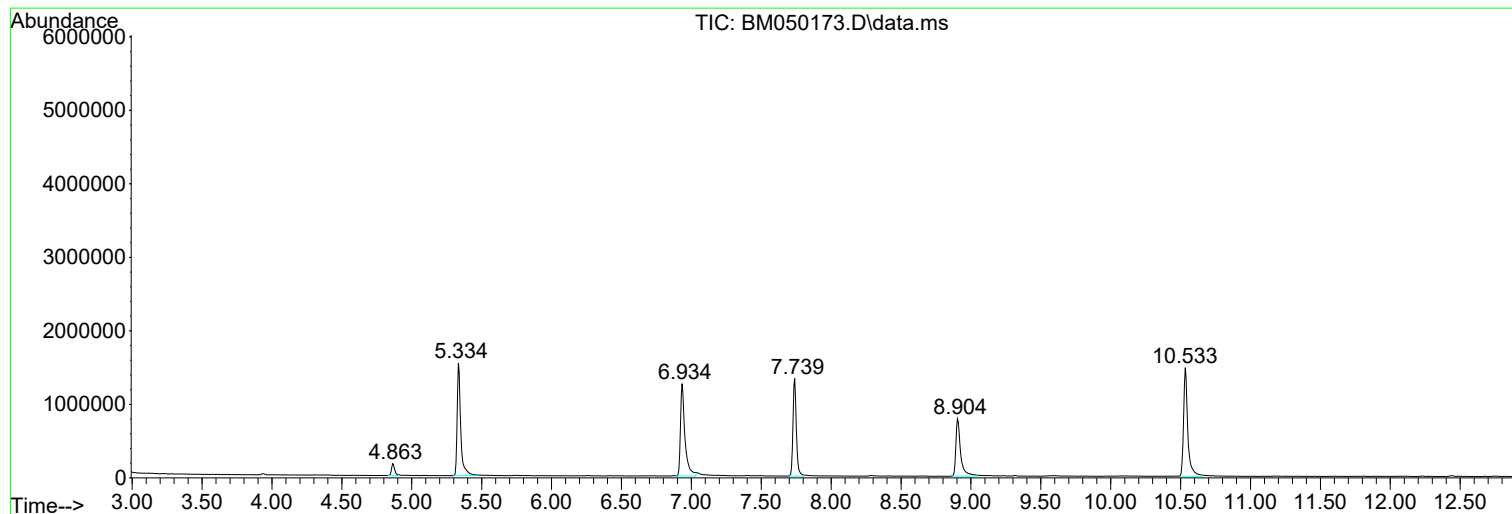
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Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050925\  
Data File : BM050173.D  
Acq On : 09 May 2025 23:58  
Operator : RC/JU  
Sample : Q1983-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
OR-636-COMP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.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\_M\Data\BM050925\  
Data File : BM050173.D  
Acq On : 09 May 2025 23:58  
Operator : RC/JU  
Sample : Q1983-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
OR-636-COMP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

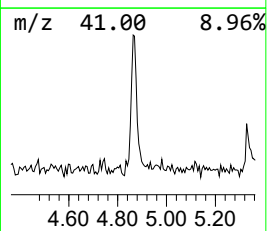
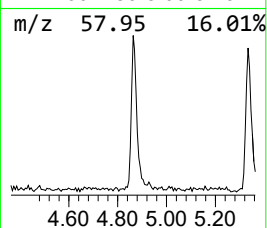
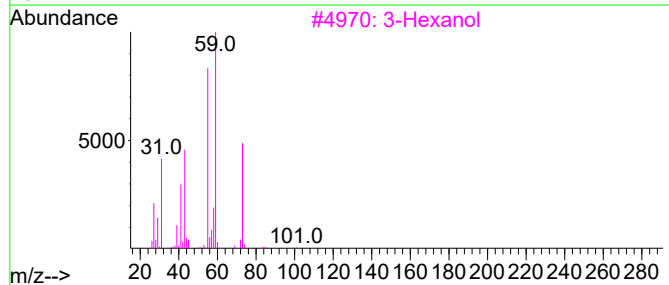
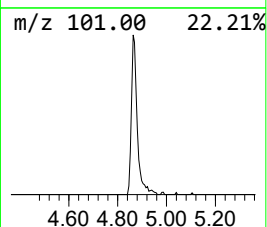
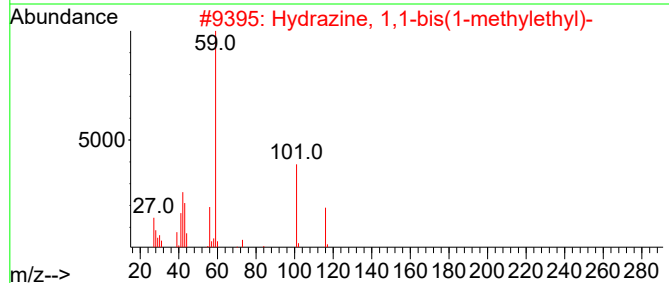
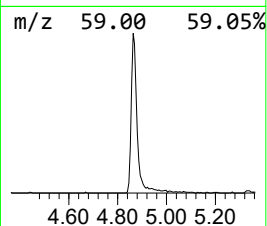
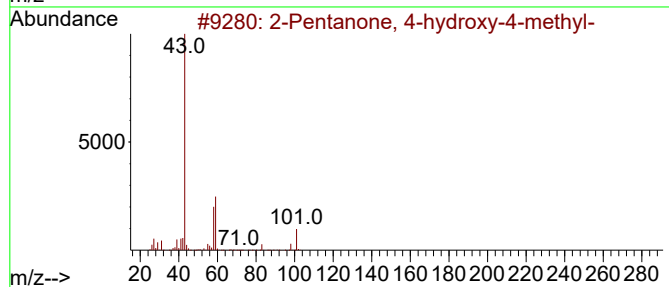
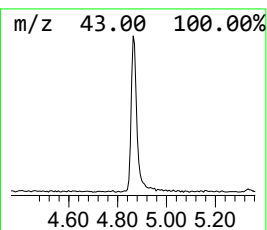
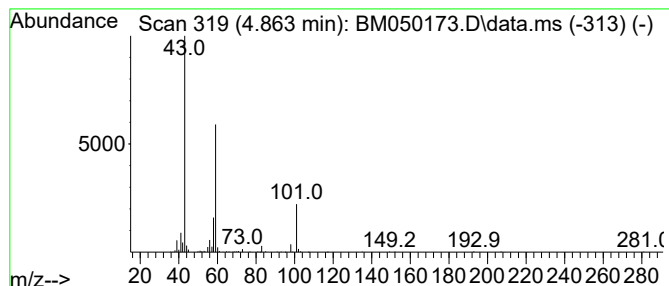
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 4.863 | 2.34 ng | 261872 | 1,4-Dichlorobenzene-d4 | 7.739 |

| Hit# | of 5                                | Tentative ID | MW       | MolForm     | CAS# | Qual |
|------|-------------------------------------|--------------|----------|-------------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl-    | 116          | C6H12O2  | 000123-42-2 | 64   |      |
| 2    | Hydrazine, 1,1-bis(1-methylethyl)-  | 116          | C6H16N2  | 000921-14-2 | 28   |      |
| 3    | 3-Hexanol                           | 102          | C6H14O   | 000623-37-0 | 25   |      |
| 4    | Tetraglyme                          | 222          | C10H22O5 | 000143-24-8 | 25   |      |
| 5    | 1,3-Dioxolane-2-methanol, 2,4-di... | 132          | C6H12O3  | 053951-43-2 | 25   |      |



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Sample : Q1983-01  
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ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
OR-636-COMP-01

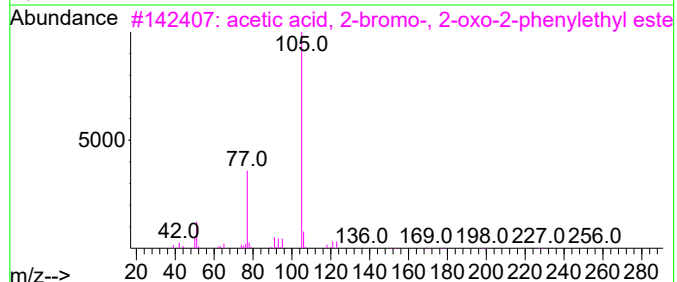
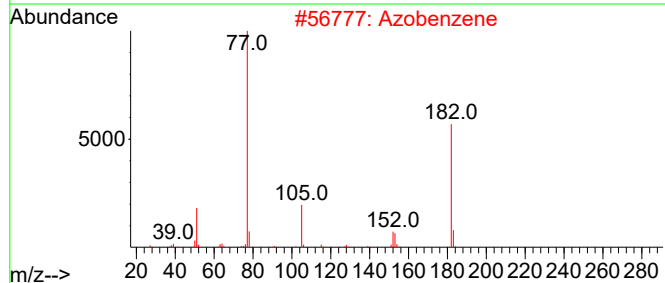
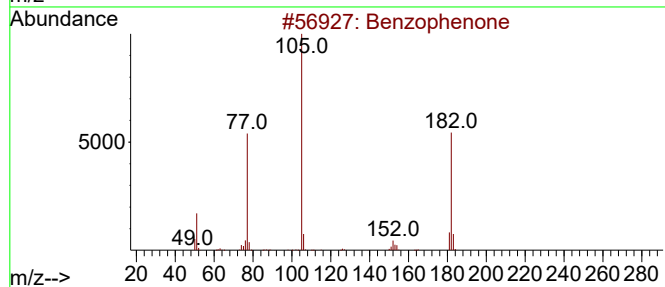
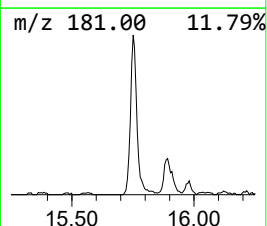
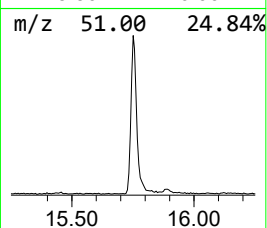
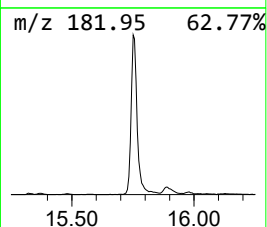
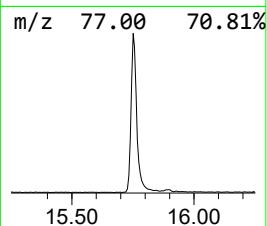
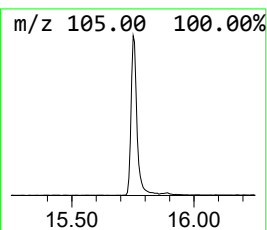
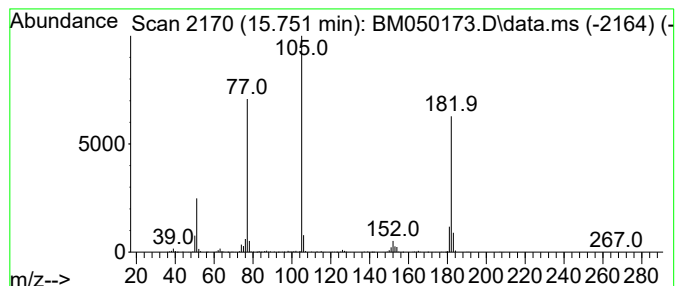
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Benzophenone Concentration Rank 1

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 15.751 | 4.51 ng | 1014470 | Acenaphthene-d10 | 14.386 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Benzophenone                        | 182 | C13H10O   | 000119-61-9  | 96   |
| 2    |    |   | Azobenzene                          | 182 | C12H10N2  | 000103-33-3  | 53   |
| 3    |    |   | acetic acid, 2-bromo-, 2-oxo-2-p... | 256 | C10H9BrO3 | 1000401-50-0 | 47   |
| 4    |    |   | 1-Propanone, 2-bromo-1-phenyl-      | 212 | C9H9BrO   | 002114-00-3  | 47   |
| 5    |    |   | Benzenecarbothioic acid, S-methy... | 152 | C8H8OS    | 005925-68-8  | 47   |



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Sample : Q1983-01  
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Instrument :  
BNA\_M  
ClientSampleId :  
OR-636-COMP-01

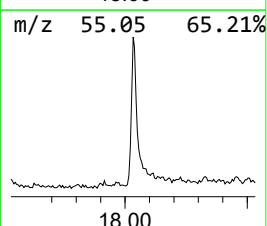
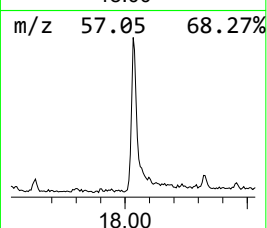
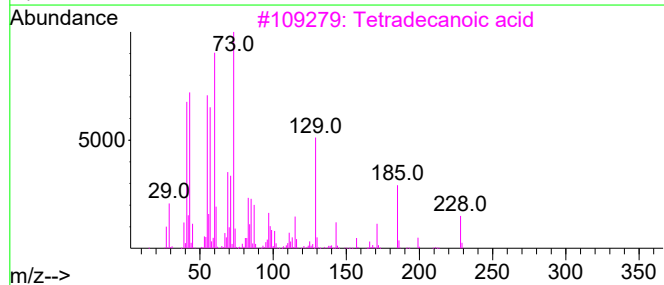
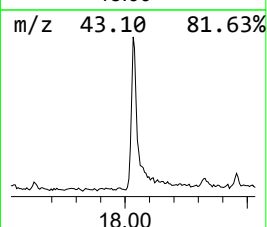
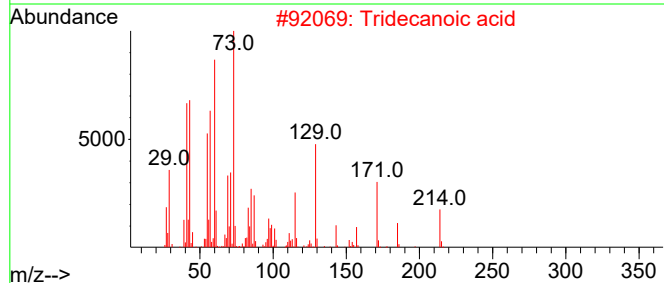
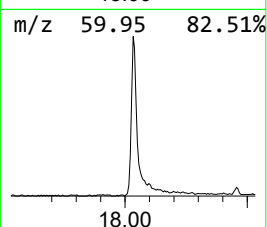
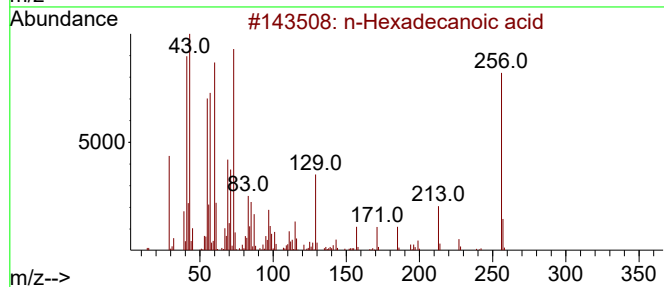
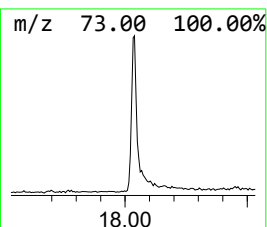
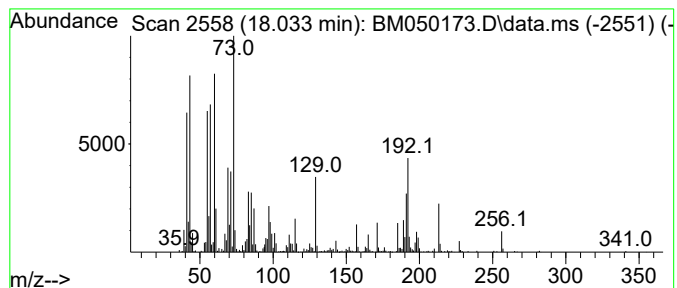
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.033 | 3.30 ng | 875222 | Phenanthrene-d10 | 17.139 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 91   |
| 3    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 78   |
| 4    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 64   |
| 5    |    |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 58   |



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Instrument :  
BNA\_M  
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OR-636-COMP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| 2-Pentanone, 4-... | 4.863  | 2.3     | ng    | 261872   | 1                     | 7.739  | 2236020 | 20.0 |
| Benzophenone       | 15.751 | 4.5     | ng    | 1014470  | 3                     | 14.386 | 4497650 | 20.0 |
| n-Hexadecanoic ... | 18.033 | 3.3     | ng    | 875222   | 4                     | 17.139 | 5302710 | 20.0 |