

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020123\  
 Data File : BF132259.D  
 Acq On : 01 Feb 2023 14:31  
 Operator : CG\JU  
 Sample : 01352-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-2-WC

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\_F\Methods\8270-BF013123.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF132259.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         | 5.307       | 414           | 420         | 427          | rVB      | 1047830        | 1234595       | 33.46%          | 4.061%        |
| 2         | 5.690       | 480           | 485         | 488          | rBV      | 3209208        | 3032990       | 82.21%          | 9.978%        |
| 3         | 6.678       | 648           | 653         | 656          | rBV      | 3039842        | 3013537       | 81.68%          | 9.914%        |
| 4         | 7.066       | 716           | 719         | 723          | rVB      | 1185840        | 933850        | 25.31%          | 3.072%        |
| 5         | 7.631       | 810           | 815         | 818          | rBV      | 2316949        | 1983534       | 53.76%          | 6.525%        |
| 6         | 8.354       | 934           | 938         | 941          | rBV      | 1672177        | 1277106       | 34.61%          | 4.201%        |
| 7         | 9.431       | 1117          | 1121        | 1124         | rBV      | 4380064        | 3491654       | 94.64%          | 11.487%       |
| 8         | 10.119      | 1234          | 1238        | 1241         | rBV      | 1848128        | 1441763       | 39.08%          | 4.743%        |
| 9         | 10.831      | 1354          | 1359        | 1363         | rVB      | 137080         | 108321        | 2.94%           | 0.356%        |
| 10        | 10.907      | 1368          | 1372        | 1376         | rBV      | 2372928        | 2218816       | 60.14%          | 7.299%        |
| 11        | 11.619      | 1489          | 1493        | 1495         | rBV      | 1709284        | 1546365       | 41.91%          | 5.087%        |
| 12        | 11.636      | 1495          | 1496        | 1500         | rVB      | 256315         | 202692        | 5.49%           | 0.667%        |
| 13        | 11.689      | 1500          | 1505        | 1507         | rBV2     | 63908          | 81214         | 2.20%           | 0.267%        |
| 14        | 12.119      | 1572          | 1578        | 1581         | rBV      | 98338          | 88701         | 2.40%           | 0.292%        |
| 15        | 12.148      | 1581          | 1583        | 1588         | rVB2     | 80978          | 67569         | 1.83%           | 0.222%        |
| 16        | 12.236      | 1594          | 1598        | 1600         | rBV2     | 51443          | 70183         | 1.90%           | 0.231%        |
| 17        | 12.413      | 1624          | 1628        | 1631         | rVB2     | 41744          | 47499         | 1.29%           | 0.156%        |
| 18        | 12.760      | 1684          | 1687        | 1692         | rVB      | 38634          | 44103         | 1.20%           | 0.145%        |
| 19        | 12.836      | 1697          | 1700        | 1704         | rBV      | 581259         | 496475        | 13.46%          | 1.633%        |
| 20        | 13.072      | 1737          | 1740        | 1745         | rVB      | 589763         | 520943        | 14.12%          | 1.714%        |
| 21        | 13.119      | 1745          | 1748        | 1752         | rVB2     | 41732          | 44986         | 1.22%           | 0.148%        |
| 22        | 13.213      | 1752          | 1764        | 1767         | rBV      | 3894046        | 3689513       | 100.00%         | 12.138%       |
| 23        | 13.289      | 1772          | 1777        | 1784         | rBV4     | 41533          | 73102         | 1.98%           | 0.240%        |
| 24        | 13.501      | 1809          | 1813        | 1816         | rBV2     | 59836          | 73836         | 2.00%           | 0.243%        |
| 25        | 13.713      | 1846          | 1849        | 1852         | rVB      | 51072          | 48902         | 1.33%           | 0.161%        |
| 26        | 13.907      | 1879          | 1882        | 1887         | rVB      | 67060          | 65061         | 1.76%           | 0.214%        |
| 27        | 14.024      | 1897          | 1902        | 1904         | rBV2     | 35236          | 49251         | 1.33%           | 0.162%        |
| 28        | 14.101      | 1909          | 1915        | 1926         | rBV5     | 93000          | 259778        | 7.04%           | 0.855%        |
| 29        | 14.242      | 1935          | 1939        | 1941         | rBV      | 281765         | 263424        | 7.14%           | 0.867%        |
| 30        | 14.277      | 1941          | 1945        | 1948         | rVV2     | 1475907        | 1508124       | 40.88%          | 4.961%        |
| 31        | 14.301      | 1948          | 1949        | 1955         | rVB      | 251974         | 194110        | 5.26%           | 0.639%        |
| 32        | 14.366      | 1955          | 1960        | 1966         | rBV      | 306047         | 303693        | 8.23%           | 0.999%        |
| 33        | 14.666      | 2007          | 2011        | 2014         | rVB      | 46862          | 44954         | 1.22%           | 0.148%        |
| 34        | 15.160      | 2092          | 2095        | 2099         | rBV      | 121597         | 121066        | 3.28%           | 0.398%        |
| 35        | 15.383      | 2128          | 2133        | 2136         | rBV      | 144390         | 221998        | 6.02%           | 0.730%        |
| 36        | 15.724      | 2187          | 2191        | 2198         | rVB      | 73047          | 97752         | 2.65%           | 0.322%        |

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Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-WC

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\_F\Methods\8270-BF013123.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 37 | 15.789 | 2198 | 2202 | 2208 | rBV  | 115030 | 147020  | 3.98%  | 0.484% |
| 38 | 15.865 | 2209 | 2215 | 2227 | rBV  | 809507 | 1107177 | 30.01% | 3.642% |
| 39 | 17.501 | 2487 | 2493 | 2505 | rVB2 | 46586  | 112276  | 3.04%  | 0.369% |
| 40 | 18.001 | 2573 | 2578 | 2586 | rVB  | 32831  | 69665   | 1.89%  | 0.229% |

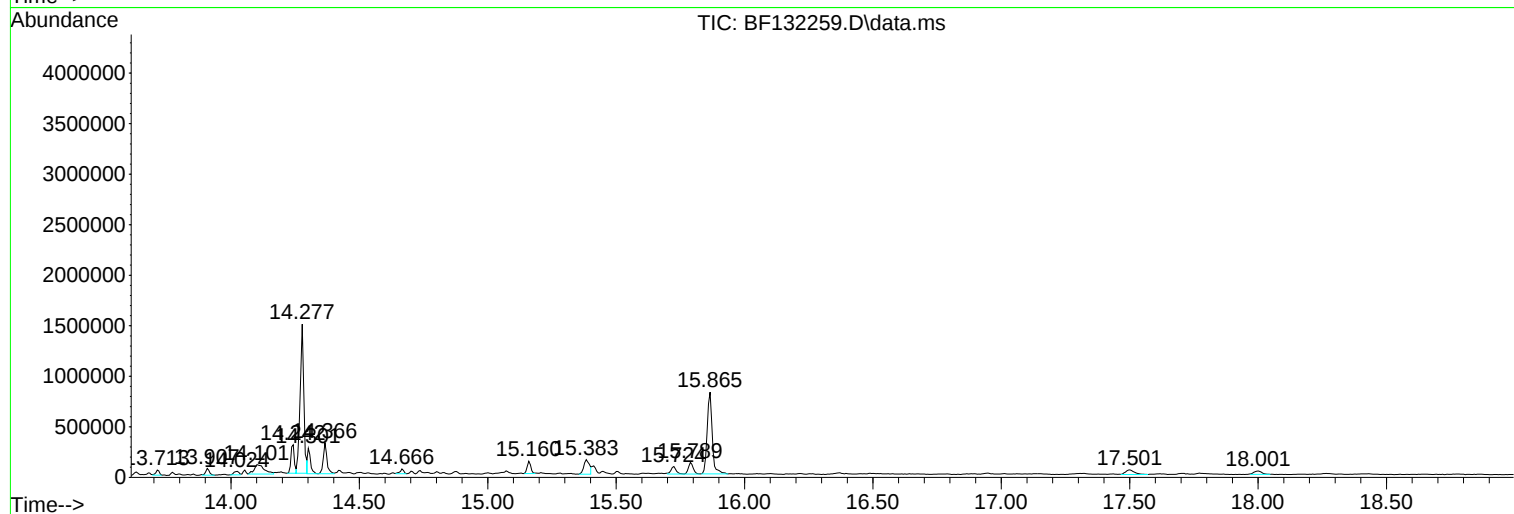
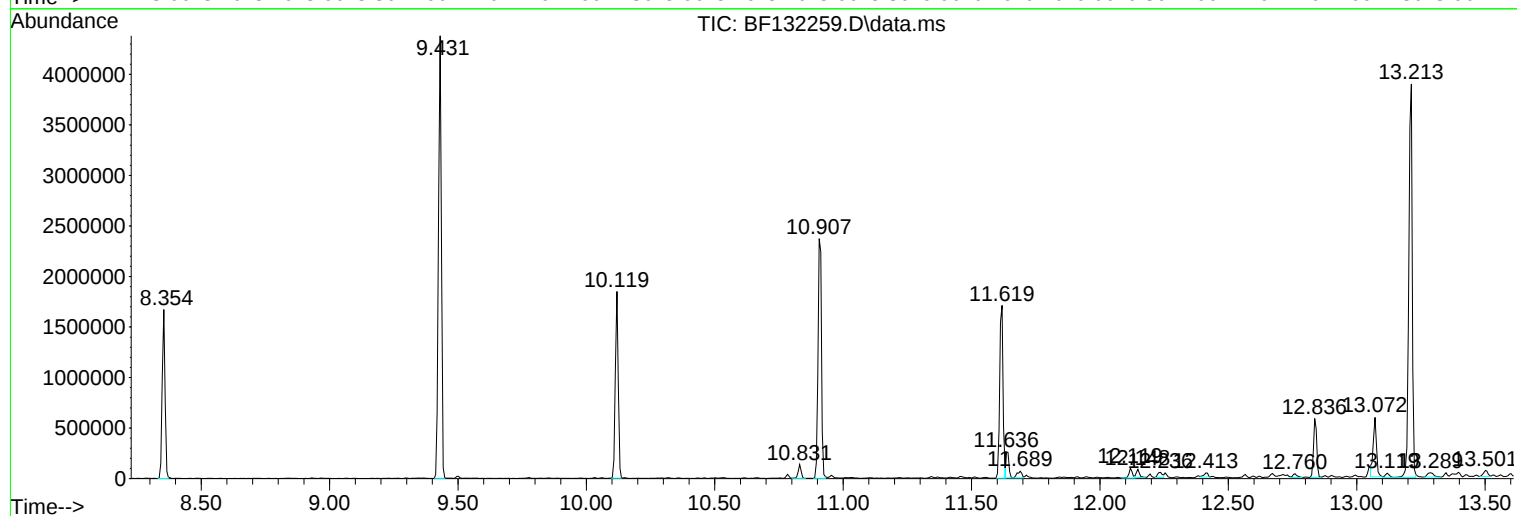
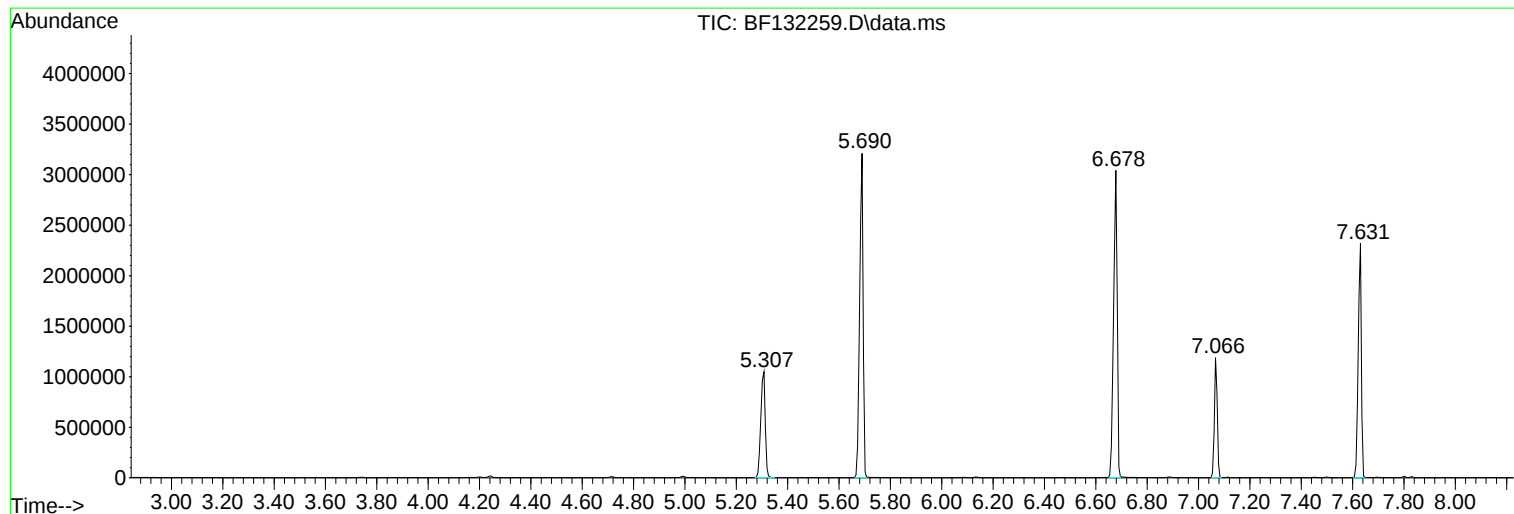
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ClientSampleId :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Acq On : 01 Feb 2023 14:31  
Operator : CG\JU  
Sample : 01352-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

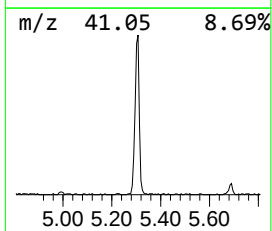
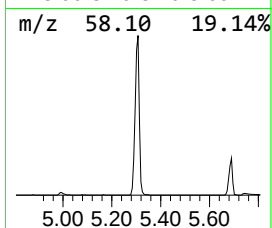
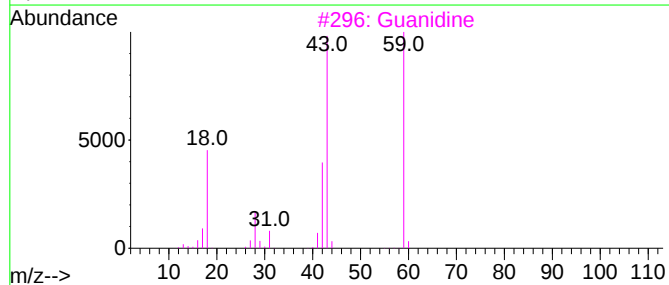
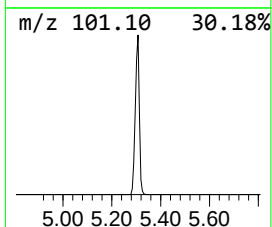
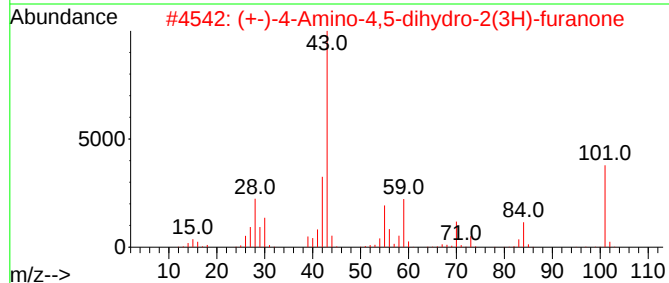
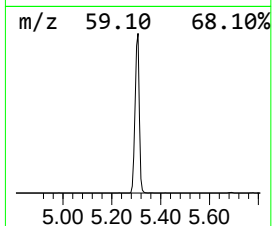
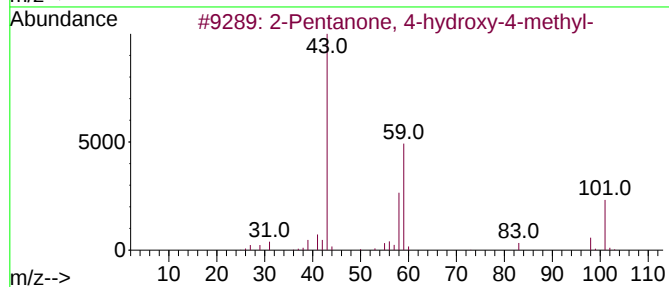
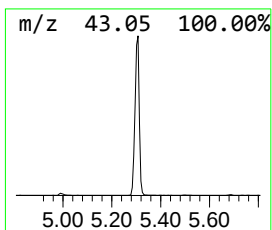
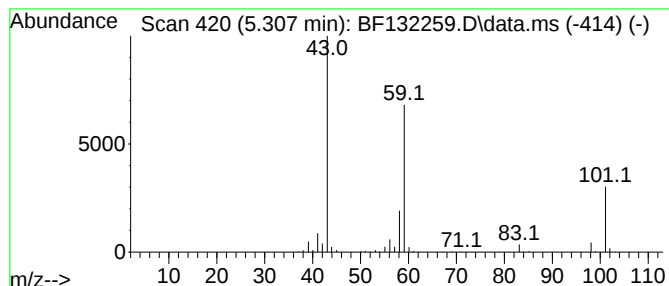
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc  | Area    | Relative to ISTD       | R.T.  |
|-------|----------|---------|------------------------|-------|
| 5.307 | 26.44 ng | 1234600 | 1,4-Dichlorobenzene-d4 | 7.066 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 53   |
| 2    |    |   | (+)-4-Amino-4,5-dihydro-2(3H)-f...  | 101 | C4H7NO2  | 016504-58-8 | 43   |
| 3    |    |   | Guanidine                           | 59  | CH5N3    | 000113-00-8 | 38   |
| 4    |    |   | 1-Propen-2-ol, acetate              | 100 | C5H8O2   | 000108-22-5 | 12   |
| 5    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 12   |



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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

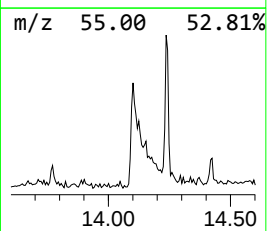
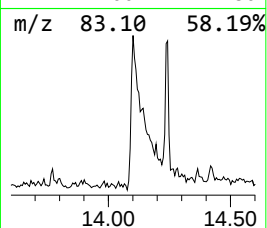
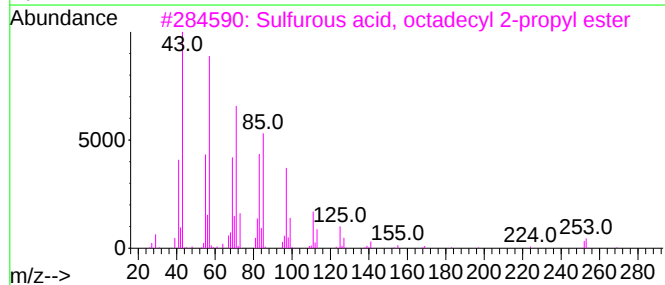
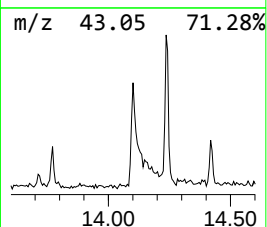
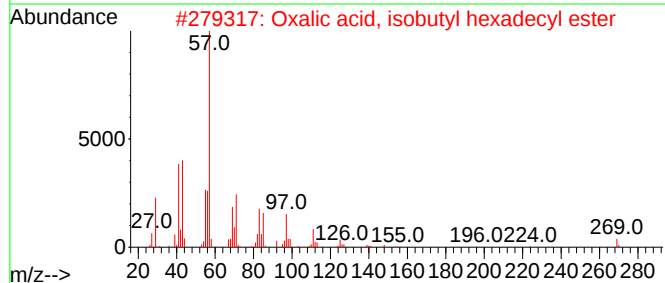
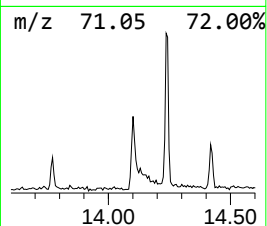
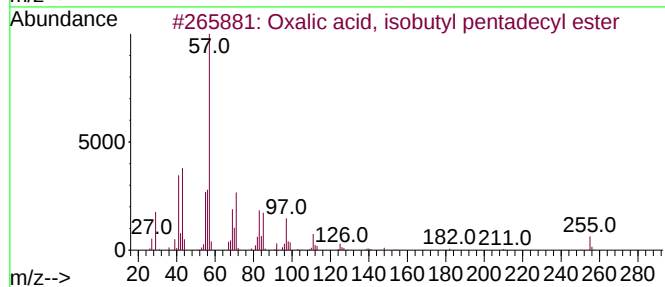
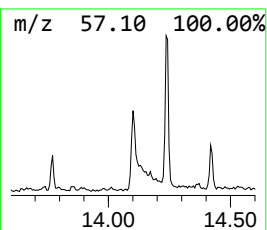
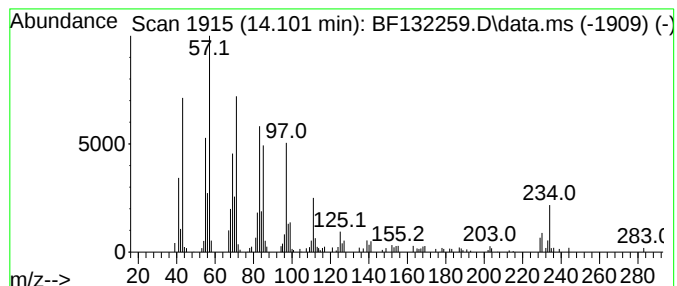
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Oxalic acid, isobutyl penta... Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 14.101 | 3.45 ng | 259778 | Chrysene-d12     | 14.277 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Oxalic acid, isobutyl pentadecyl... | 356 | C21H40O4  | 1000309-38-0 | 83   |
| 2    |    |   | Oxalic acid, isobutyl hexadecyl ... | 370 | C22H42O4  | 1000309-38-1 | 83   |
| 3    |    |   | Sulfurous acid, octadecyl 2-prop... | 376 | C21H44O3S | 1000309-12-7 | 74   |
| 4    |    |   | Oxalic acid, isobutyl tetradecyl... | 342 | C20H38O4  | 1000309-37-9 | 72   |
| 5    |    |   | 1-Dodecanol, 2-hexyl-               | 270 | C18H38O   | 110225-00-8  | 62   |



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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

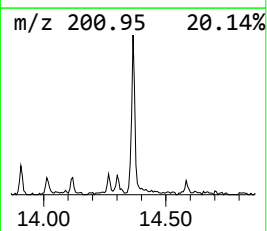
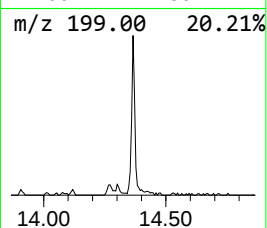
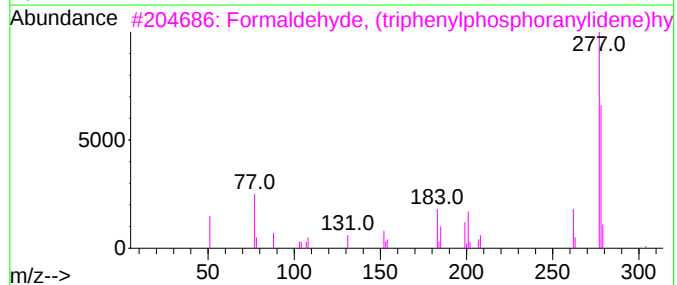
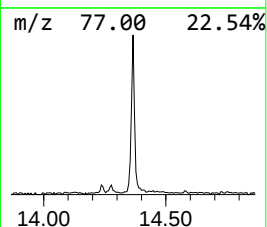
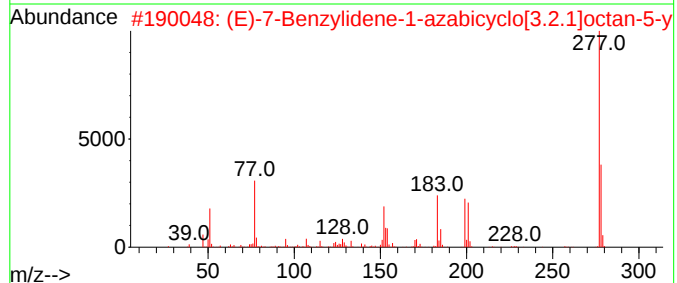
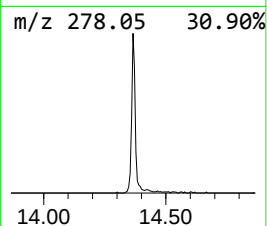
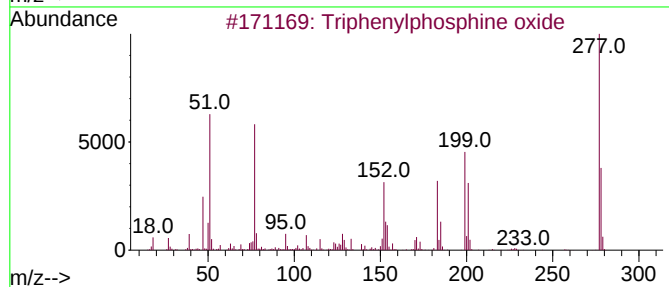
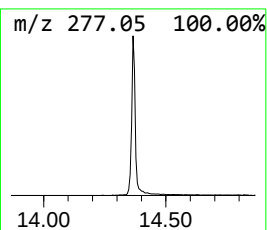
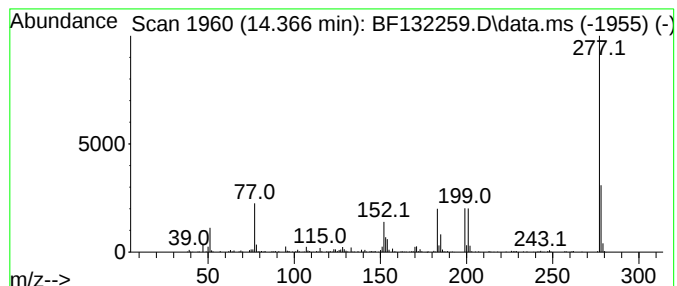
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Triphenylphosphine oxide Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 14.366 | 4.03 ng | 303693 | Chrysene-d12     | 14.277 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm    | CAS#         | Qual |
|------|----|---|--------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Triphenylphosphine oxide             | 278 | C18H15OP   | 000791-28-6  | 92   |
| 2    |    |   | (E)-7-Benzylidene-1-azabicyclo[3...] | 293 | C15H19N03S | 1000483-83-4 | 76   |
| 3    |    |   | Formaldehyde, (triphenylphosphor...  | 304 | C19H17N2P  | 015990-54-2  | 42   |
| 4    |    |   | Carbazol-1-one, 1,2,3,4-tetrahyd...  | 277 | C18H15N02  | 299962-12-2  | 38   |
| 5    |    |   | 2-Phenyl-6-(trifluoromethyl)-1H-...  | 277 | C15H10F3NO | 1000387-59-3 | 32   |



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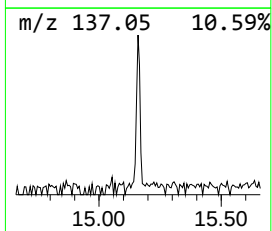
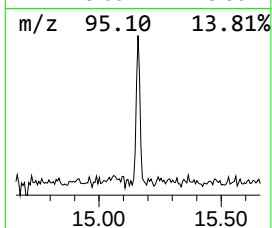
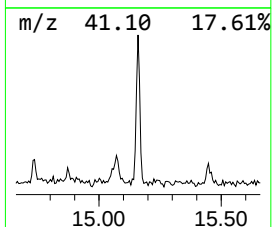
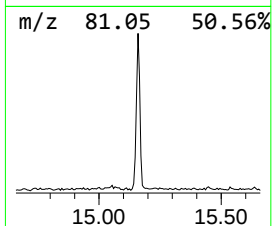
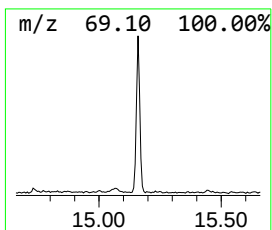
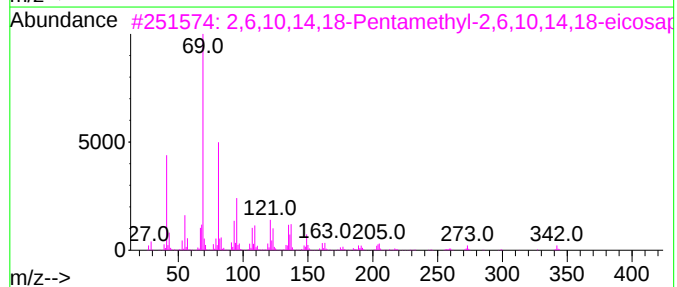
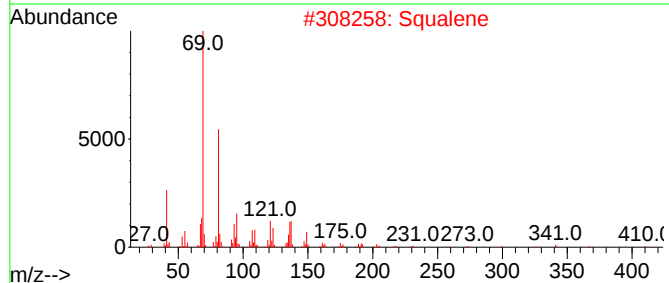
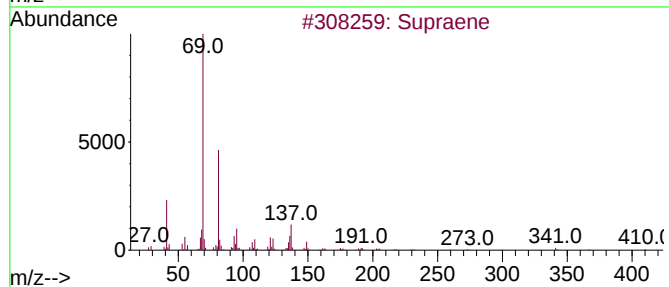
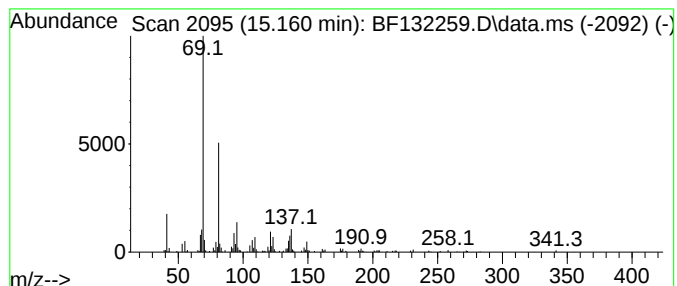
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 Supraene Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.160 | 2.19 ng | 121066 | Perylene-d12     | 15.866 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Supraene                            | 410 | C30H50   | 007683-64-9 | 91   |
| 2    |    |   | Squalene                            | 410 | C30H50   | 000111-02-4 | 91   |
| 3    |    |   | 2,6,10,14,18-Pentamethyl-2,6,10,... | 342 | C25H42   | 075581-03-2 | 83   |
| 4    |    |   | 4,8,12-Tetradecatrienal, 5,9,13-... | 248 | C17H28O  | 066408-55-7 | 78   |
| 5    |    |   | 2,6,10,14-Hexadecatetraenoic aci... | 332 | C22H36O2 | 024035-35-6 | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020123\  
Data File : BF132259.D  
Acq On : 01 Feb 2023 14:31  
Operator : CG\JU  
Sample : 01352-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-WC

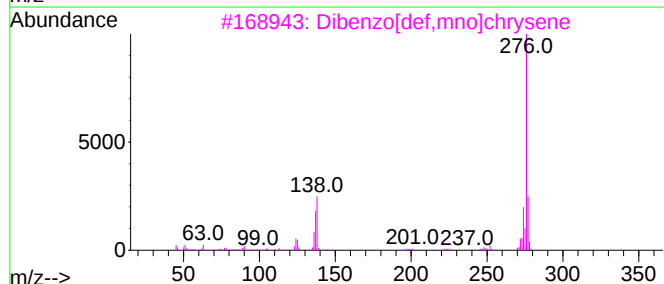
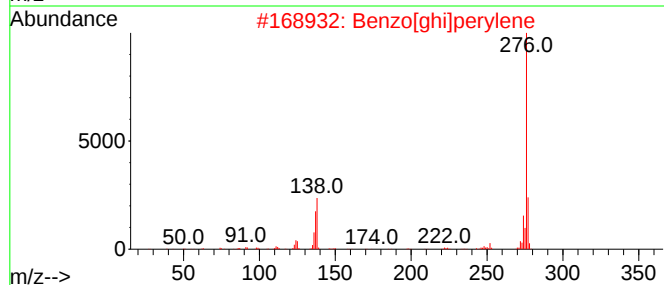
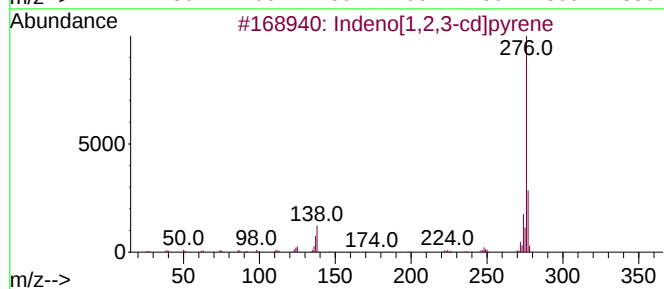
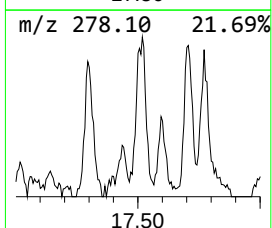
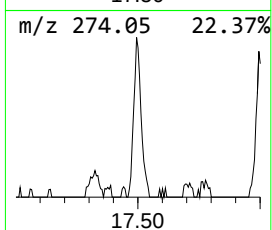
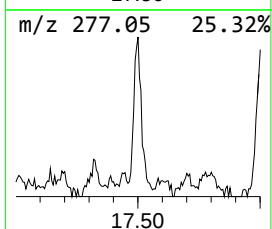
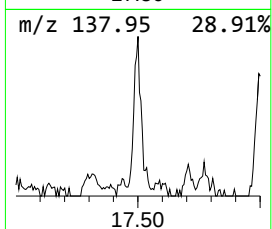
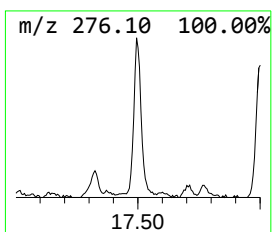
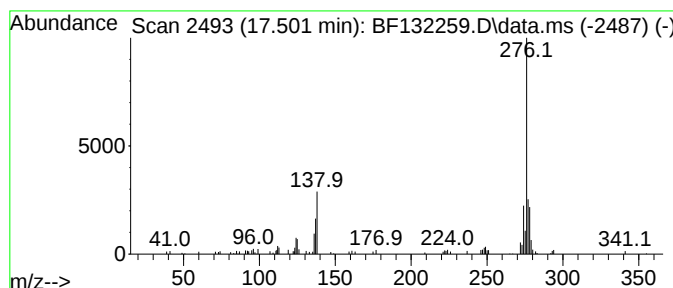
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 Dibenzo[def,mno]chrysene Concentration Rank 5

| R.T.      | EstConc                      | Area   | Relative to ISTD | R.T.        |      |
|-----------|------------------------------|--------|------------------|-------------|------|
| 17.501    | 2.03 ng                      | 112276 | Perylene-d12     | 15.866      |      |
| Hit# of 5 | Tentative ID                 | MW     | MolForm          | CAS#        | Qual |
| 1         | Indeno[1,2,3-cd]pyrene       | 276    | C22H12           | 000193-39-5 | 97   |
| 2         | Benzo[ghi]perylene           | 276    | C22H12           | 000191-24-2 | 93   |
| 3         | Dibenzo[def,mno]chrysene     | 276    | C22H12           | 000191-26-4 | 89   |
| 4         | Indeno[1,2,3-cd]fluoranthene | 276    | C22H12           | 000193-43-1 | 89   |
| 5         | 2-Dodecyl-p-cresol           | 276    | C19H32O          | 025912-91-8 | 43   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020123\  
Data File : BF132259.D  
Acq On : 01 Feb 2023 14:31  
Operator : CG\JU  
Sample : 01352-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013123.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-... | 5.307  | 26.4    | ng    | 1234600  | 1                     | 7.066  | 933850  | 20.0 |
| Oxalic acid, is... | 14.101 | 3.5     | ng    | 259778   | 5                     | 14.277 | 1508120 | 20.0 |
| Triphenylphosph... | 14.366 | 4.0     | ng    | 303693   | 5                     | 14.277 | 1508120 | 20.0 |
| Supraene           | 15.160 | 2.2     | ng    | 121066   | 6                     | 15.866 | 1107180 | 20.0 |
| Dibenzo[def,mno... | 17.501 | 2.0     | ng    | 112276   | 6                     | 15.866 | 1107180 | 20.0 |