

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_F\DATA\BF090817\  
 Data File : BF098361.D  
 Acq On : 8 Sep 2017 20:11  
 Operator : SJ/JU  
 Sample : I5126-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-05-090617

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081517.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| 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         | 4.869       | 470           | 473         | 484          | rVB      | 119580         | 163796        | 7.49%           | 0.836%        |
| 2         | 5.293       | 540           | 545         | 548          | rBV      | 2108501        | 2025921       | 92.60%          | 10.343%       |
| 3         | 6.334       | 716           | 722         | 734          | rBV      | 2052053        | 2187897       | 100.00%         | 11.170%       |
| 4         | 6.457       | 738           | 743         | 746          | rBV      | 2087682        | 2046384       | 93.53%          | 10.448%       |
| 5         | 6.681       | 778           | 781         | 785          | rBV      | 745282         | 637092        | 29.12%          | 3.253%        |
| 6         | 6.839       | 804           | 808         | 811          | rBV      | 1851400        | 1621297       | 74.10%          | 8.278%        |
| 7         | 7.251       | 873           | 878         | 881          | rBV      | 1367497        | 1255642       | 57.39%          | 6.411%        |
| 8         | 7.963       | 995           | 999         | 1003         | rBV      | 859928         | 790043        | 36.11%          | 4.034%        |
| 9         | 8.916       | 1157          | 1161        | 1168         | rVB      | 26617          | 26454         | 1.21%           | 0.135%        |
| 10        | 9.045       | 1177          | 1183        | 1186         | rBV      | 2429029        | 2163045       | 98.86%          | 11.043%       |
| 11        | 9.439       | 1246          | 1250        | 1253         | rBV      | 305656         | 247964        | 11.33%          | 1.266%        |
| 12        | 9.716       | 1293          | 1297        | 1301         | rBV      | 852507         | 714141        | 32.64%          | 3.646%        |
| 13        | 10.122      | 1363          | 1366        | 1369         | rBV      | 27333          | 26488         | 1.21%           | 0.135%        |
| 14        | 10.151      | 1369          | 1371        | 1374         | rVB      | 31691          | 24948         | 1.14%           | 0.127%        |
| 15        | 10.504      | 1427          | 1431        | 1435         | rBV      | 995635         | 930507        | 42.53%          | 4.751%        |
| 16        | 10.627      | 1448          | 1452        | 1458         | rBV2     | 42121          | 55476         | 2.54%           | 0.283%        |
| 17        | 11.198      | 1545          | 1549        | 1552         | rBV      | 701523         | 614613        | 28.09%          | 3.138%        |
| 18        | 11.222      | 1552          | 1553        | 1556         | rVV      | 101000         | 62621         | 2.86%           | 0.320%        |
| 19        | 11.274      | 1557          | 1562        | 1565         | rVB      | 17372          | 24576         | 1.12%           | 0.125%        |
| 20        | 12.410      | 1751          | 1755        | 1760         | rBV      | 221558         | 186178        | 8.51%           | 0.951%        |
| 21        | 12.633      | 1787          | 1793        | 1797         | rBV      | 171258         | 189161        | 8.65%           | 0.966%        |
| 22        | 12.686      | 1800          | 1802        | 1807         | rVB4     | 25635          | 27712         | 1.27%           | 0.141%        |
| 23        | 12.786      | 1814          | 1819        | 1822         | rBV      | 1627777        | 1522102       | 69.57%          | 7.771%        |
| 24        | 13.345      | 1911          | 1914        | 1918         | rBV5     | 19433          | 34612         | 1.58%           | 0.177%        |
| 25        | 13.474      | 1933          | 1936        | 1939         | rBV      | 26538          | 25620         | 1.17%           | 0.131%        |
| 26        | 13.680      | 1968          | 1971        | 1978         | rVB      | 176181         | 186472        | 8.52%           | 0.952%        |
| 27        | 13.833      | 1992          | 1997        | 2000         | rBV      | 799235         | 808127        | 36.94%          | 4.126%        |
| 28        | 13.857      | 2000          | 2001        | 2005         | rVB      | 91861          | 59175         | 2.70%           | 0.302%        |
| 29        | 14.845      | 2166          | 2169        | 2177         | rVB      | 91443          | 152936        | 6.99%           | 0.781%        |
| 30        | 15.127      | 2214          | 2217        | 2222         | rVB      | 48261          | 64924         | 2.97%           | 0.331%        |
| 31        | 15.180      | 2224          | 2226        | 2231         | rVV      | 61816          | 73233         | 3.35%           | 0.374%        |
| 32        | 15.245      | 2232          | 2237        | 2250         | rVB      | 456823         | 637562        | 29.14%          | 3.255%        |

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Integration Parameters: rteint.p  
Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081517.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

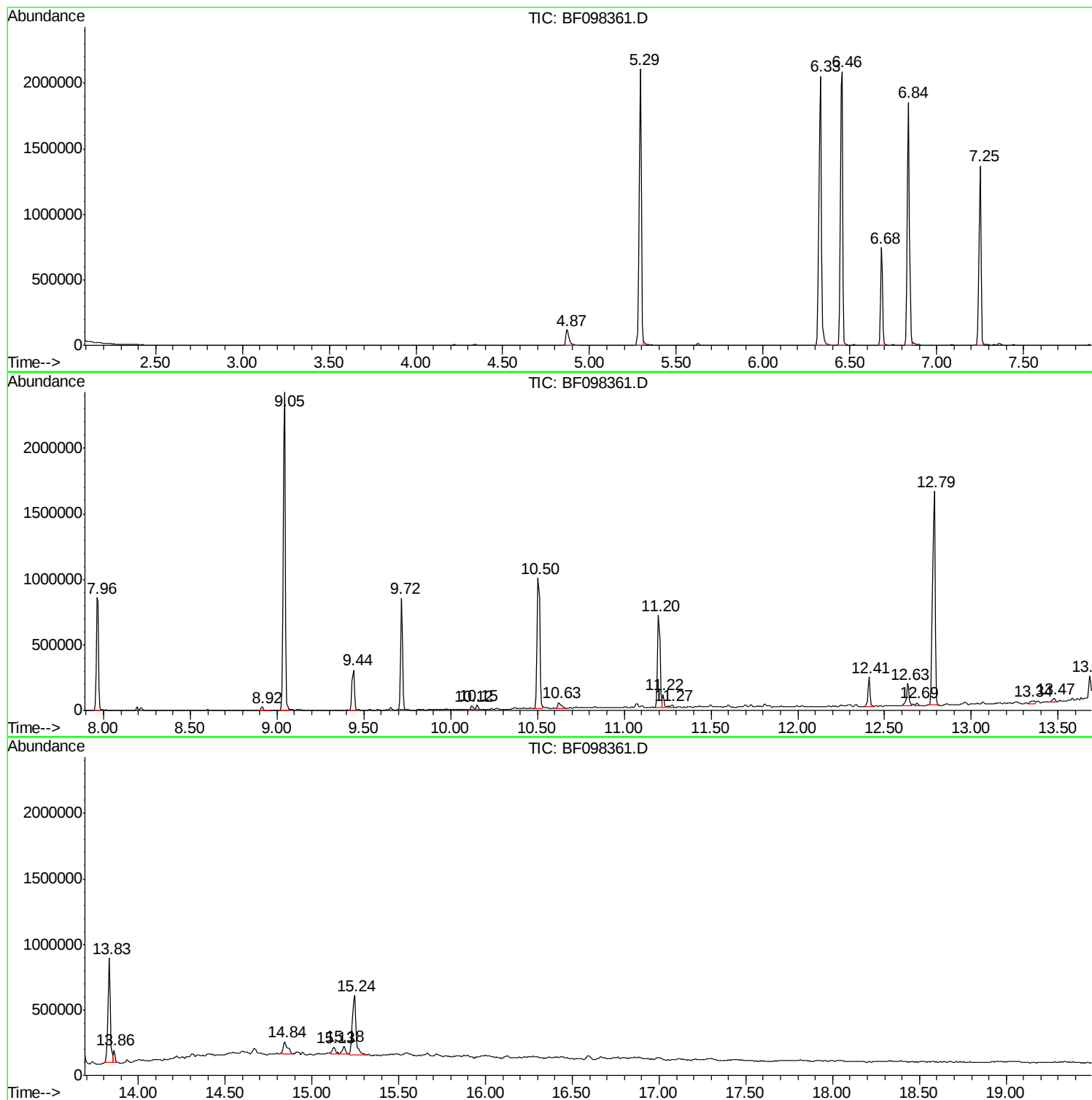
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

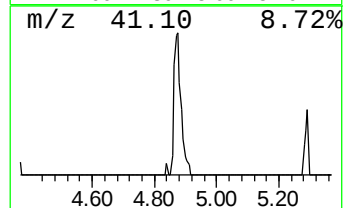
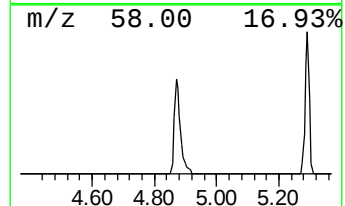
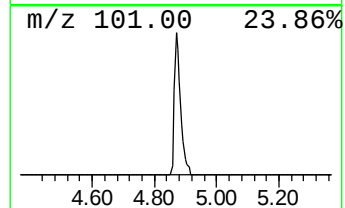
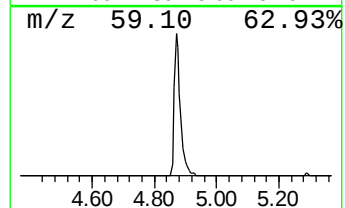
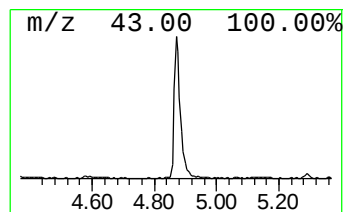
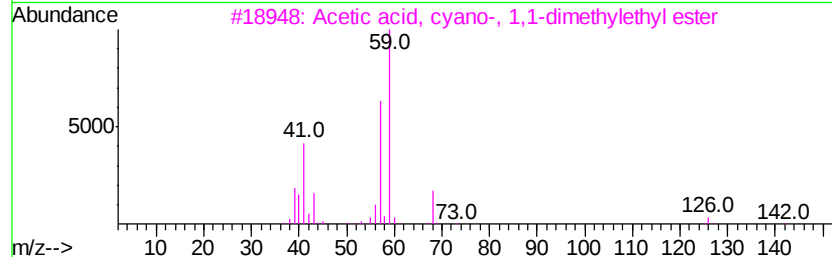
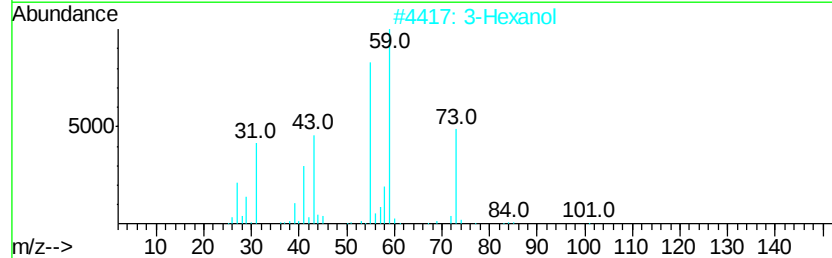
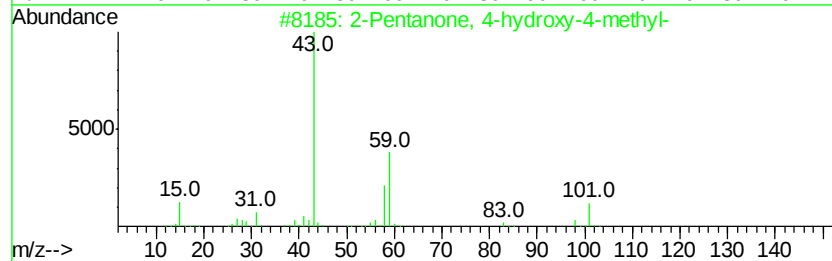
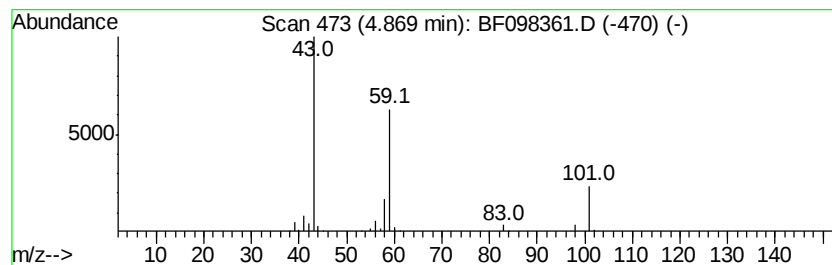
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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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. |
|------|---------|--------|------------------------|------|
| 4.87 | 5.14 ng | 163796 | 1,4-Dichlorobenzene-d4 | 6.68 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2    |    |   | 3-Hexanol                            | 102 | C6H14O   | 000623-37-0 | 25   |
| 3    |    |   | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 4    |    |   | Morpholine, 4-methyl-                | 101 | C5H11NO  | 000109-02-4 | 9    |
| 5    |    |   | 5-Hexen-2-one                        | 98  | C6H10O   | 000109-49-9 | 9    |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

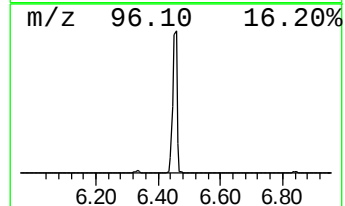
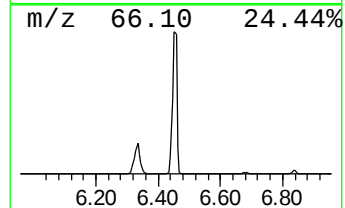
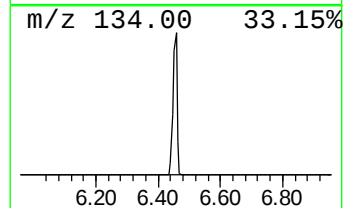
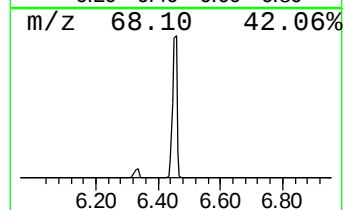
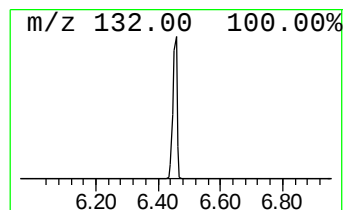
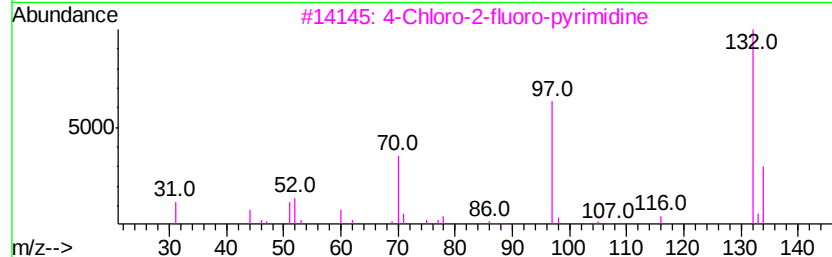
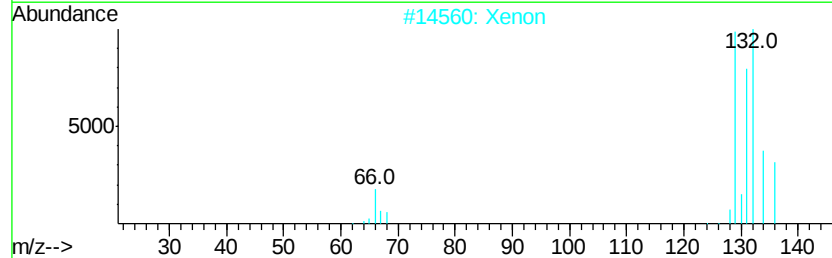
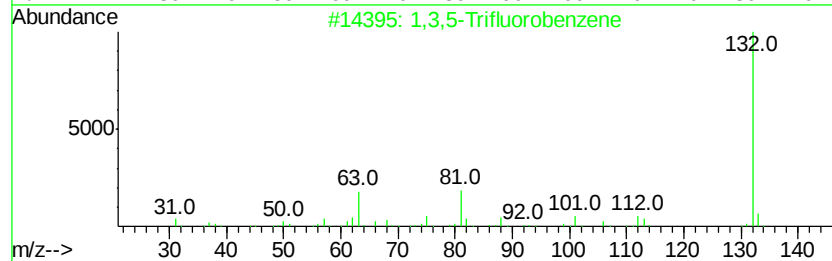
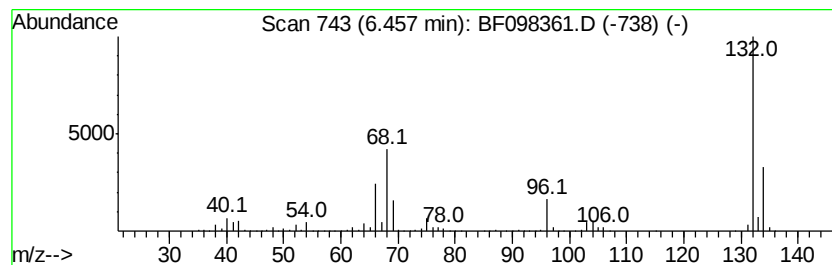
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown6.46 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.46 | 64.24 ng | 2046380 | 1,4-Dichlorobenzene-d4 | 6.68 |

| Hit# | of | Tentative ID                   | MW  | MolForm   | CAS#        | Qual |
|------|----|--------------------------------|-----|-----------|-------------|------|
| 1    | 5  | 1,3,5-Trifluorobenzene         | 132 | C6H3F3    | 000372-38-3 | 9    |
| 2    |    | Xenon                          | 132 | Xe        | 007440-63-3 | 9    |
| 3    |    | 4-Chloro-2-fluoro-pyrimidine   | 132 | C4H2ClFN2 | 051422-00-5 | 9    |
| 4    |    | 1-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2    | 064608-59-9 | 9    |
| 5    |    | 5-Fluoro-2-chloropyrimidine    | 132 | C4H2ClFN2 | 062802-42-0 | 9    |



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ALS Vial : 16 Sample Multiplier: 1

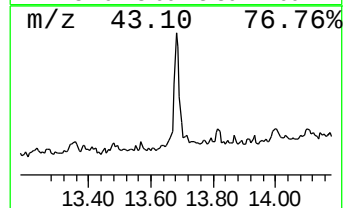
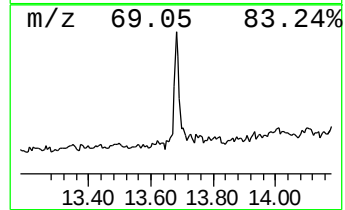
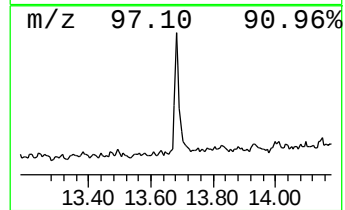
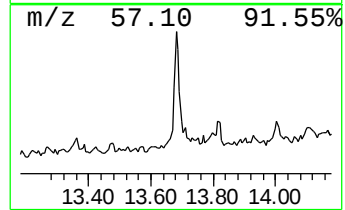
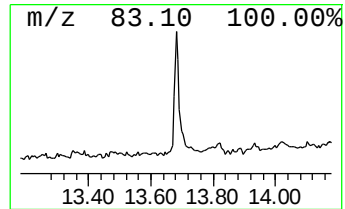
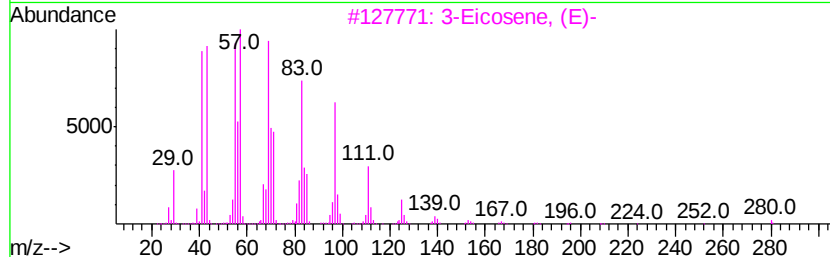
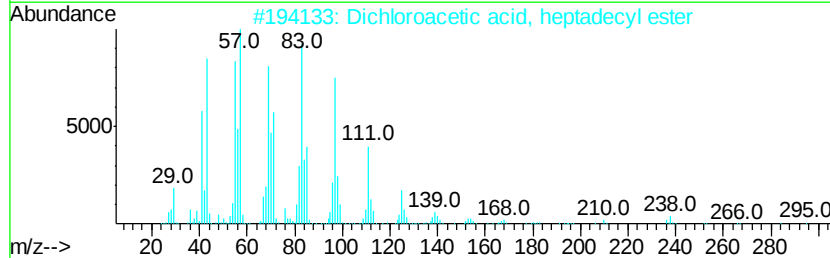
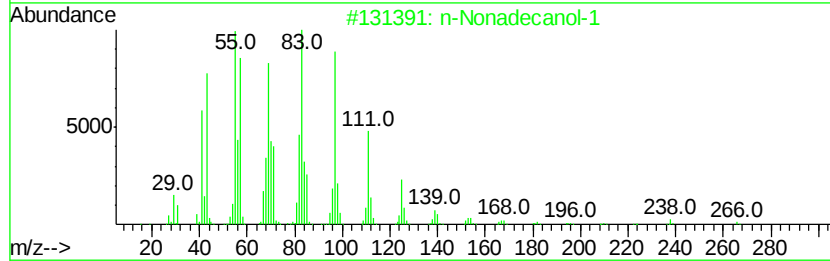
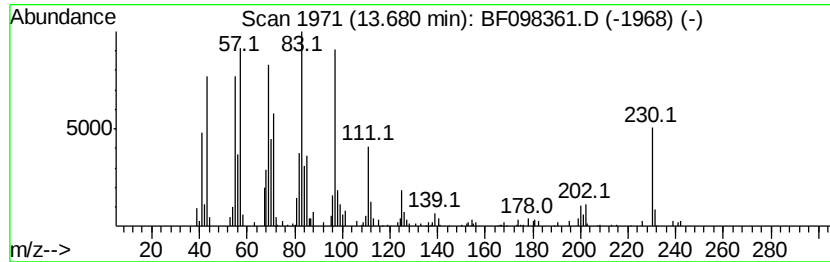
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 n-Nonadecanol-1 Concentration Rank 4

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.        |              |      |
|---------|-------------------------------------|--------------|------------------|-------------|--------------|------|
| 13.68   | 4.61 ng                             | 186472       | Chrysene-d12     | 13.83       |              |      |
| Hit# of | 5                                   | Tentative ID | MW               | MolForm     | CAS#         | Qual |
| 1       | n-Nonadecanol-1                     |              | 284              | C19H40O     | 001454-84-8  | 93   |
| 2       | Dichloroacetic acid, heptadecyl ... |              | 366              | C19H36Cl2O2 | 1000282-98-2 | 93   |
| 3       | 3-Eicosene, (E)-                    |              | 280              | C20H40      | 074685-33-9  | 87   |
| 4       | Trifluoroacetoxv hexadecane         |              | 338              | C18H33F3O2  | 006222-03-3  | 87   |
| 5       | Heptafluorobutyric acid, n-tetra... |              | 410              | C18H29F7O2  | 007365-36-8  | 86   |



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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
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TR-05-090617

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M  
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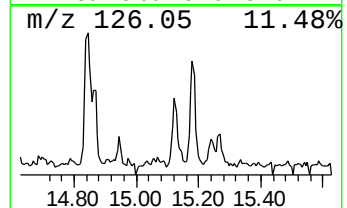
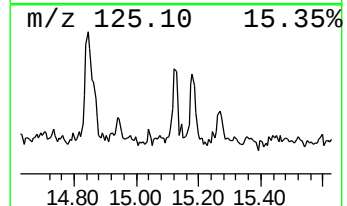
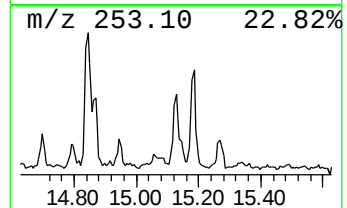
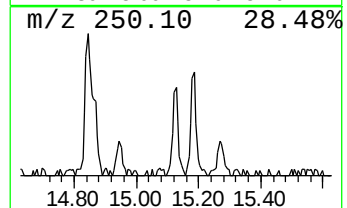
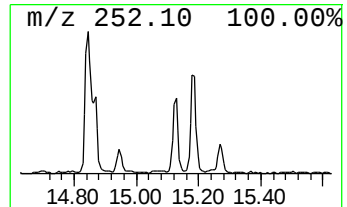
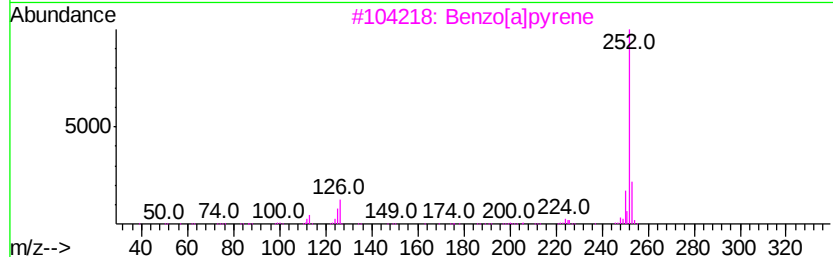
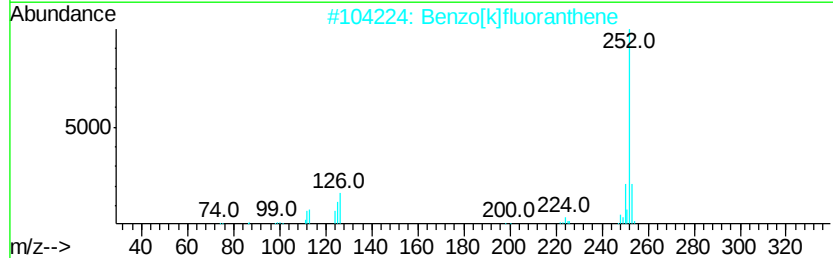
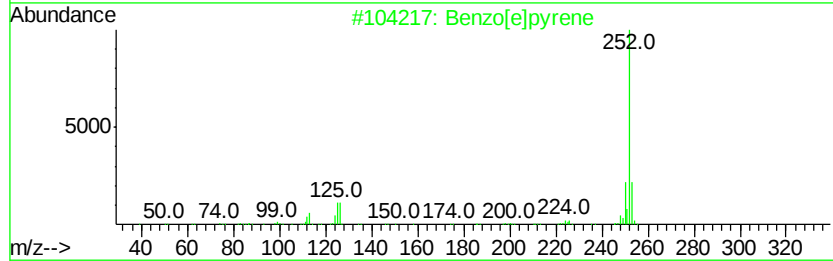
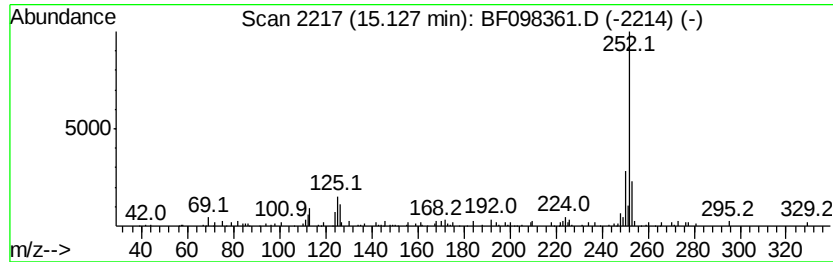
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Benzo[e]pyrene Concentration Rank 5

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 15.13 | 2.04 ng | 64924 | Perylene-d12     | 15.24 |

| Hit# of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|---------|---|---------------------------|-----|---------|-------------|------|
| 1       |   | Benzo[e]pyrene            | 252 | C20H12  | 000192-97-2 | 96   |
| 2       |   | Benzo[k]fluoranthene      | 252 | C20H12  | 000207-08-9 | 95   |
| 3       |   | Benzo[a]pyrene            | 252 | C20H12  | 000050-32-8 | 94   |
| 4       |   | Benzo[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 90   |
| 5       |   | Perylene                  | 252 | C20H12  | 000198-55-0 | 90   |



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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Pentanone, 4-hy... | 4.87  | 5.1     | ng    | 163796   | 1                     | 6.68  | 637092 | 20.0 |
| unknown6.46          | 6.46  | 64.2    | ng    | 2046380  | 1                     | 6.68  | 637092 | 20.0 |
| n-Nonadecanol-1      | 13.68 | 4.6     | ng    | 186472   | 5                     | 13.83 | 808127 | 20.0 |
| Benzo[e]pyrene       | 15.13 | 2.0     | ng    | 64924    | 6                     | 15.24 | 637562 | 20.0 |