

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070716\  
 Data File : BF088795.D  
 Acq On : 7 Jul 2016 23:07  
 Operator : UM/SJ  
 Sample : H3909-02  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOCATION-15A-9-11

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-BF063016.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         | 1.690       | 8             | 9           | 19           | rVB      | 207902         | 359365        | 11.53%          | 1.885%        |
| 2         | 1.815       | 19            | 20          | 48           | rVB      | 1573970        | 3115549       | 100.00%         | 16.346%       |
| 3         | 4.901       | 286           | 290         | 296          | rVB      | 220475         | 350557        | 11.25%          | 1.839%        |
| 4         | 5.336       | 325           | 328         | 330          | rBV      | 1625815        | 1667571       | 53.52%          | 8.749%        |
| 5         | 6.376       | 416           | 419         | 422          | rBV      | 1299032        | 1605840       | 51.54%          | 8.425%        |
| 6         | 6.513       | 428           | 431         | 433          | rBV      | 1308974        | 1742119       | 55.92%          | 9.140%        |
| 7         | 6.742       | 449           | 451         | 453          | rBV      | 653021         | 543032        | 17.43%          | 2.849%        |
| 8         | 6.902       | 462           | 465         | 467          | rVB      | 1196529        | 1355796       | 43.52%          | 7.113%        |
| 9         | 7.302       | 497           | 500         | 503          | rBV      | 891401         | 1005687       | 32.28%          | 5.277%        |
| 10        | 8.022       | 561           | 563         | 566          | rBV      | 620260         | 624751        | 20.05%          | 3.278%        |
| 11        | 9.108       | 655           | 658         | 660          | rBV      | 2092212        | 1847749       | 59.31%          | 9.695%        |
| 12        | 9.496       | 690           | 692         | 695          | rBV      | 235493         | 225707        | 7.24%           | 1.184%        |
| 13        | 9.782       | 714           | 717         | 719          | rBV      | 541945         | 619364        | 19.88%          | 3.250%        |
| 14        | 10.559      | 783           | 785         | 788          | rBV      | 817840         | 770159        | 24.72%          | 4.041%        |
| 15        | 10.696      | 795           | 797         | 801          | rVB      | 36017          | 44657         | 1.43%           | 0.234%        |
| 16        | 11.142      | 834           | 836         | 837          | rBV      | 47060          | 41276         | 1.32%           | 0.217%        |
| 17        | 11.256      | 844           | 846         | 848          | rBV      | 589001         | 512445        | 16.45%          | 2.689%        |
| 18        | 12.845      | 982           | 985         | 987          | rVB      | 916691         | 1209144       | 38.81%          | 6.344%        |
| 19        | 13.748      | 1062          | 1064        | 1069         | rBV      | 96928          | 130328        | 4.18%           | 0.684%        |
| 20        | 13.885      | 1072          | 1076        | 1078         | rBV2     | 591835         | 904459        | 29.03%          | 4.745%        |
| 21        | 15.268      | 1194          | 1197        | 1200         | rVB      | 337898         | 384091        | 12.33%          | 2.015%        |

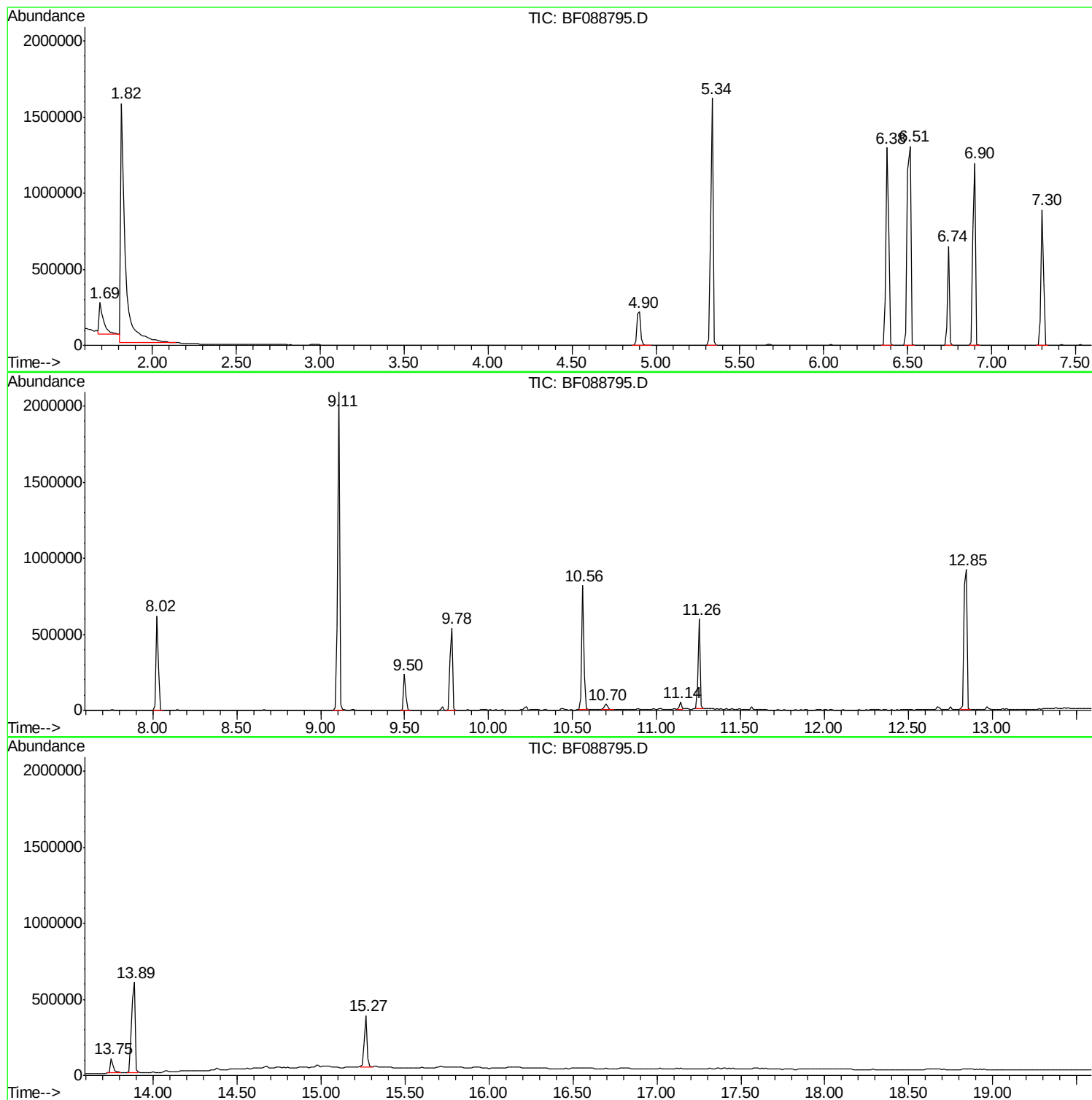
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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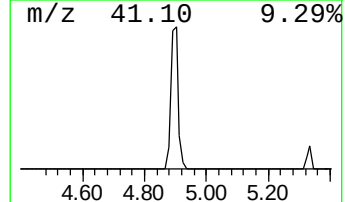
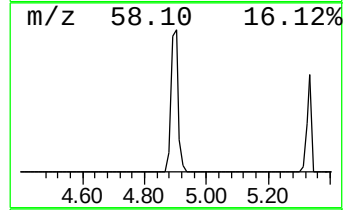
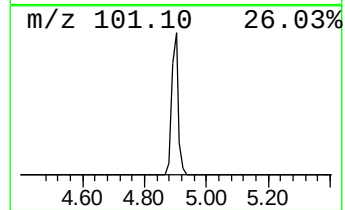
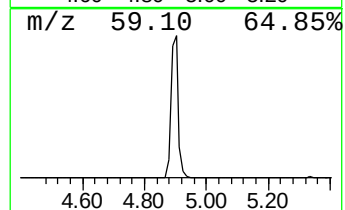
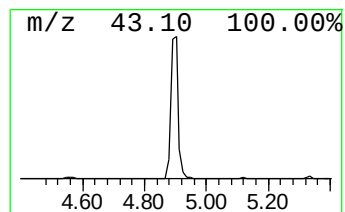
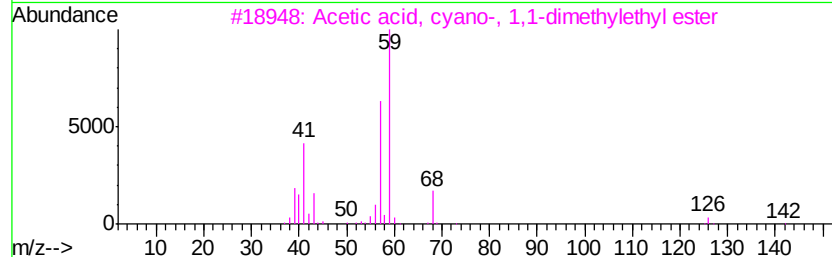
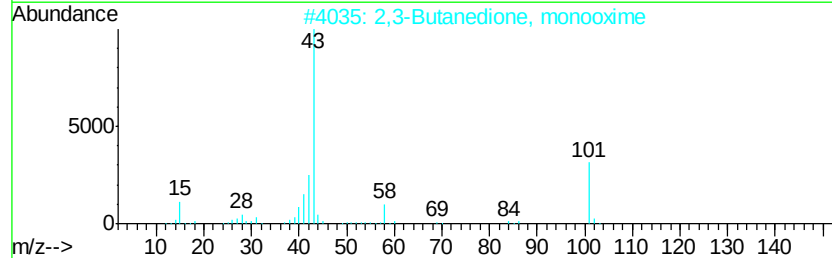
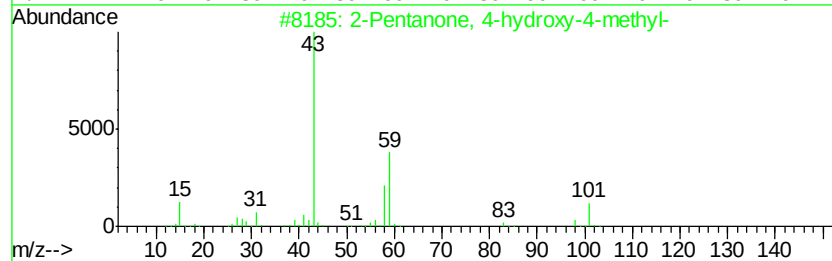
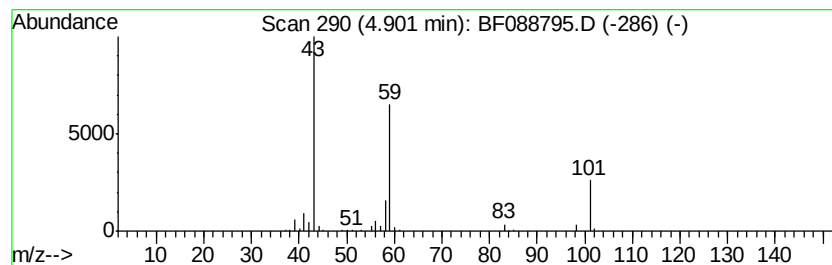
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.90 | 12.91 ng | 350557 | 1,4-Dichlorobenzene-d4 | 6.74 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 50   |
| 2    |    | 2,3-Butanedione, monooxime           | 101 | C4H7NO2  | 000057-71-6 | 17   |
| 3    |    | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 4    |    | (+)-4-Amino-4,5-dihydro-2(3H)-f...   | 101 | C4H7NO2  | 016504-58-8 | 9    |
| 5    |    | Morpholine, 4-methyl-                | 101 | C5H11NO  | 000109-02-4 | 9    |



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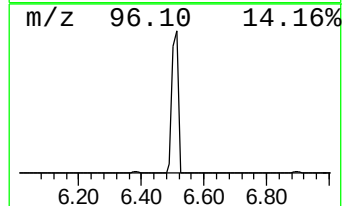
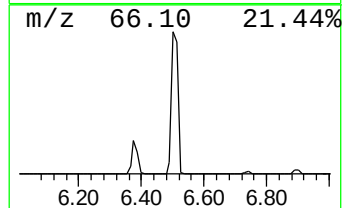
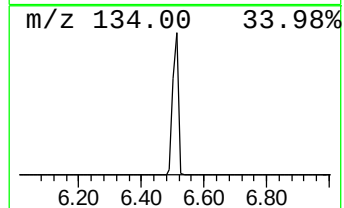
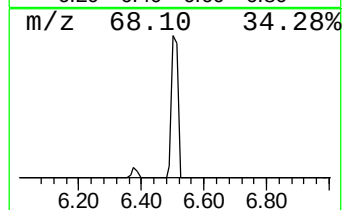
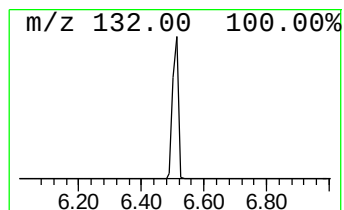
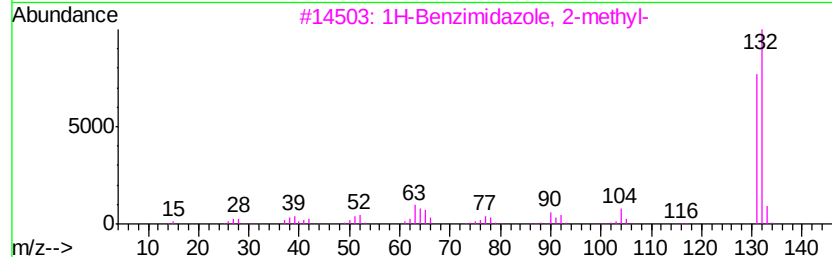
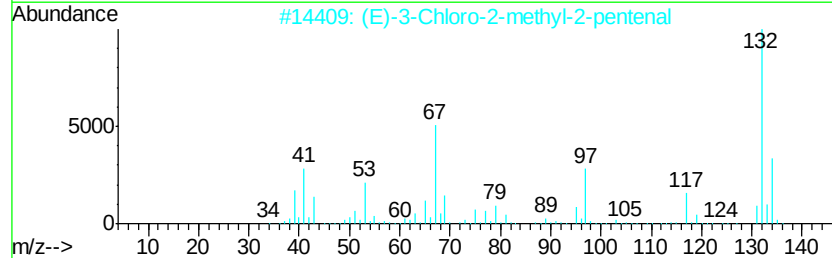
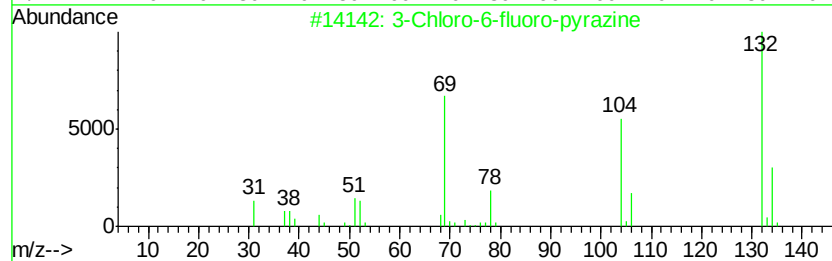
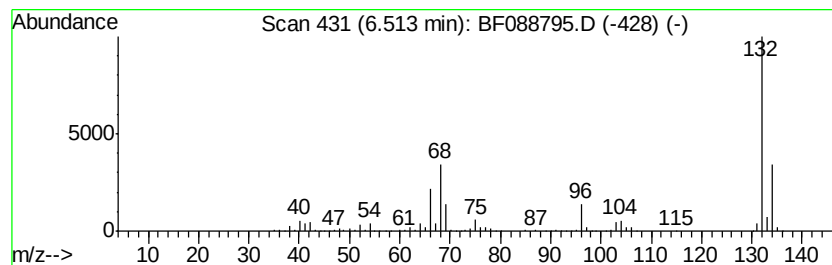
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Peak Number 4 unknown6.51 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.51 | 64.16 ng | 1742120 | 1,4-Dichlorobenzene-d4 | 6.74 |

| Hit# | of                               | 5 | Tentative ID | MW  | MolForm   | CAS#         | Qual |
|------|----------------------------------|---|--------------|-----|-----------|--------------|------|
| 1    | 3-Chloro-6-fluoro-pyrazine       |   |              | 132 | C4H2ClFN2 | 1000146-10-7 | 38   |
| 2    | (E)-3-Chloro-2-methyl-2-pentenal |   |              | 132 | C6H9ClO   | 031357-76-3  | 25   |
| 3    | 1H-Benzimidazole, 2-methyl-      |   |              | 132 | C8H8N2    | 000615-15-6  | 9    |
| 4    | 4-Chloro-2-fluoro-pyrimidine     |   |              | 132 | C4H2ClFN2 | 051422-00-5  | 9    |
| 5    | (5-Methyl-2-pyridyl)acetonitrile |   |              | 132 | C8H8N2    | 1000241-93-9 | 9    |



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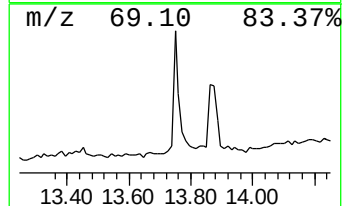
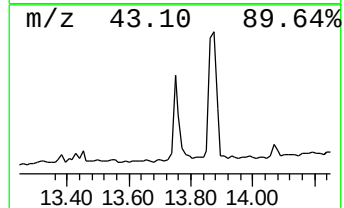
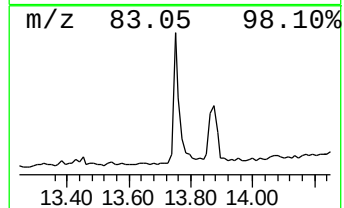
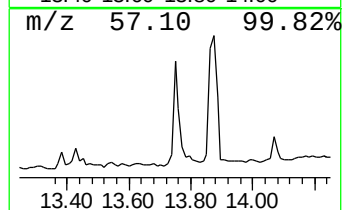
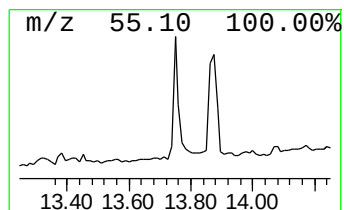
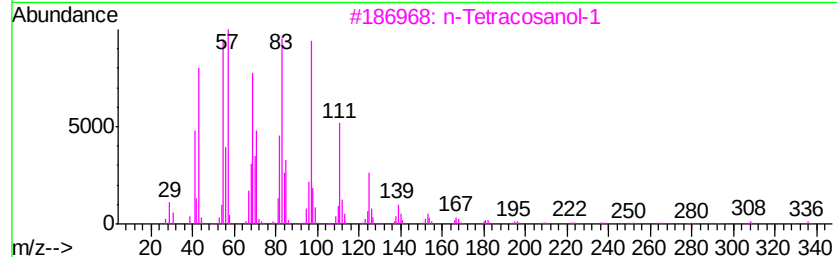
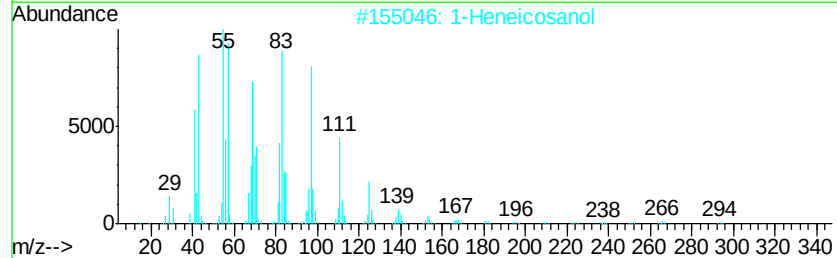
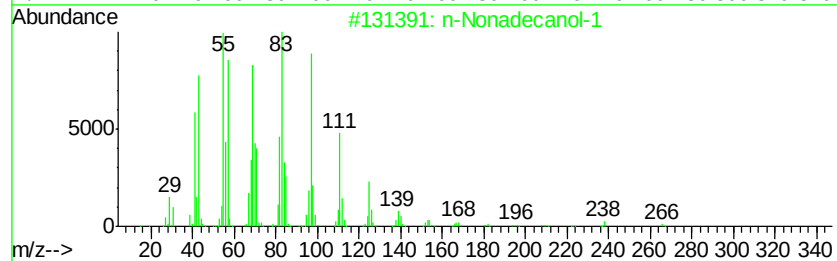
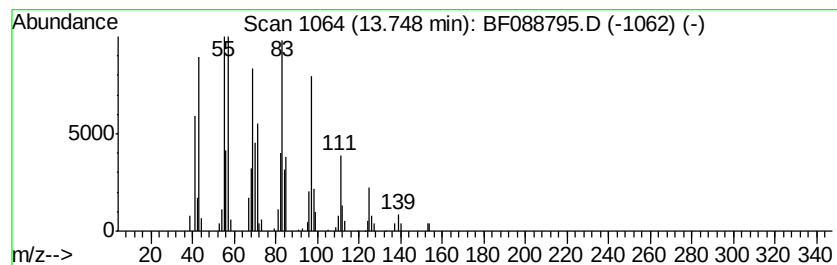
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ClientSampleId :  
LOCATION-15A-9-11

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\*\*\*\*\*  
Peak Number 6 n-Nonadecanol-1 Concentration Rank 6

| R.T.      | EstConc          | Area   | Relative to ISTD |             | R.T.  |
|-----------|------------------|--------|------------------|-------------|-------|
| 13.75     | 2.88 ng          | 130328 | Chrysene-d12     |             | 13.89 |
| Hit# of 5 | Tentative ID     | MW     | MolForm          | CAS#        | Qual  |
| 1         | n-Nonadecanol-1  | 284    | C19H40O          | 001454-84-8 | 95    |
| 2         | 1-Heneicosanol   | 312    | C21H44O          | 015594-90-8 | 94    |
| 3         | n-Tetracosanol-1 | 354    | C24H50O          | 000506-51-4 | 94    |
| 4         | Behenic alcohol  | 326    | C22H46O          | 000661-19-8 | 94    |
| 5         | n-Heptadecanol-1 | 256    | C17H36O          | 001454-85-9 | 91    |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Pentanone, 4-hy... | 4.90  | 12.9    | ng    | 350557   | 1                     | 6.74  | 543032 | 20.0 |
| unknown6.51          | 6.51  | 64.2    | ng    | 1742120  | 1                     | 6.74  | 543032 | 20.0 |
| n-Nonadecanol-1      | 13.75 | 2.9     | ng    | 130328   | 5                     | 13.89 | 904459 | 20.0 |