

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040418\  
 Data File : BF104241.D  
 Acq On : 4 Apr 2018 22:20  
 Operator : JU/SJ  
 Sample : J2197-04  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP

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-BF032818.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         | 2.281       | 27            | 33          | 41           | rVB      | 118900         | 173185        | 4.55%           | 0.582%        |
| 2         | 5.204       | 526           | 530         | 541          | rBV      | 57828          | 121685        | 3.20%           | 0.409%        |
| 3         | 5.593       | 592           | 596         | 641          | rBV      | 1453928        | 3187630       | 83.82%          | 10.713%       |
| 4         | 6.593       | 763           | 766         | 785          | rBV      | 1573636        | 3134315       | 82.42%          | 10.534%       |
| 5         | 6.728       | 785           | 789         | 824          | rVV      | 2316314        | 3802866       | 100.00%         | 12.781%       |
| 6         | 6.951       | 824           | 827         | 849          | rVV      | 295679         | 677020        | 17.80%          | 2.275%        |
| 7         | 7.104       | 849           | 853         | 879          | rVV      | 2125477        | 2620466       | 68.91%          | 8.807%        |
| 8         | 7.516       | 920           | 923         | 946          | rBV      | 1101777        | 2043888       | 53.75%          | 6.869%        |
| 9         | 8.234       | 1041          | 1045        | 1073         | rBV      | 532804         | 938754        | 24.69%          | 3.155%        |
| 10        | 9.304       | 1223          | 1227        | 1243         | rBV      | 3086791        | 3723884       | 97.92%          | 12.515%       |
| 11        | 9.692       | 1287          | 1293        | 1300         | rBV      | 210214         | 265590        | 6.98%           | 0.893%        |
| 12        | 9.892       | 1324          | 1327        | 1331         | rBV      | 67945          | 53941         | 1.42%           | 0.181%        |
| 13        | 9.986       | 1339          | 1343        | 1356         | rBV      | 931662         | 1001081       | 26.32%          | 3.364%        |
| 14        | 10.392      | 1409          | 1412        | 1415         | rVB      | 82179          | 62180         | 1.64%           | 0.209%        |
| 15        | 10.786      | 1475          | 1479        | 1490         | rBV      | 1646499        | 2156183       | 56.70%          | 7.247%        |
| 16        | 10.869      | 1490          | 1493        | 1507         | rVB      | 94495          | 171724        | 4.52%           | 0.577%        |
| 17        | 11.486      | 1594          | 1598        | 1610         | rBV      | 650499         | 920796        | 24.21%          | 3.095%        |
| 18        | 11.986      | 1680          | 1683        | 1687         | rBV2     | 39911          | 47161         | 1.24%           | 0.158%        |
| 19        | 12.704      | 1801          | 1805        | 1814         | rBV      | 78334          | 108416        | 2.85%           | 0.364%        |
| 20        | 12.939      | 1842          | 1845        | 1851         | rVB      | 74487          | 90461         | 2.38%           | 0.304%        |
| 21        | 13.069      | 1863          | 1867        | 1885         | rBV      | 2482578        | 2874380       | 75.58%          | 9.660%        |
| 22        | 13.939      | 2011          | 2015        | 2021         | rBV2     | 85144          | 90013         | 2.37%           | 0.303%        |
| 23        | 14.139      | 2044          | 2049        | 2060         | rBV      | 544981         | 797715        | 20.98%          | 2.681%        |
| 24        | 15.227      | 2229          | 2234        | 2247         | rBV4     | 36889          | 116013        | 3.05%           | 0.390%        |
| 25        | 15.674      | 2305          | 2310        | 2324         | rBV      | 312200         | 575275        | 15.13%          | 1.933%        |

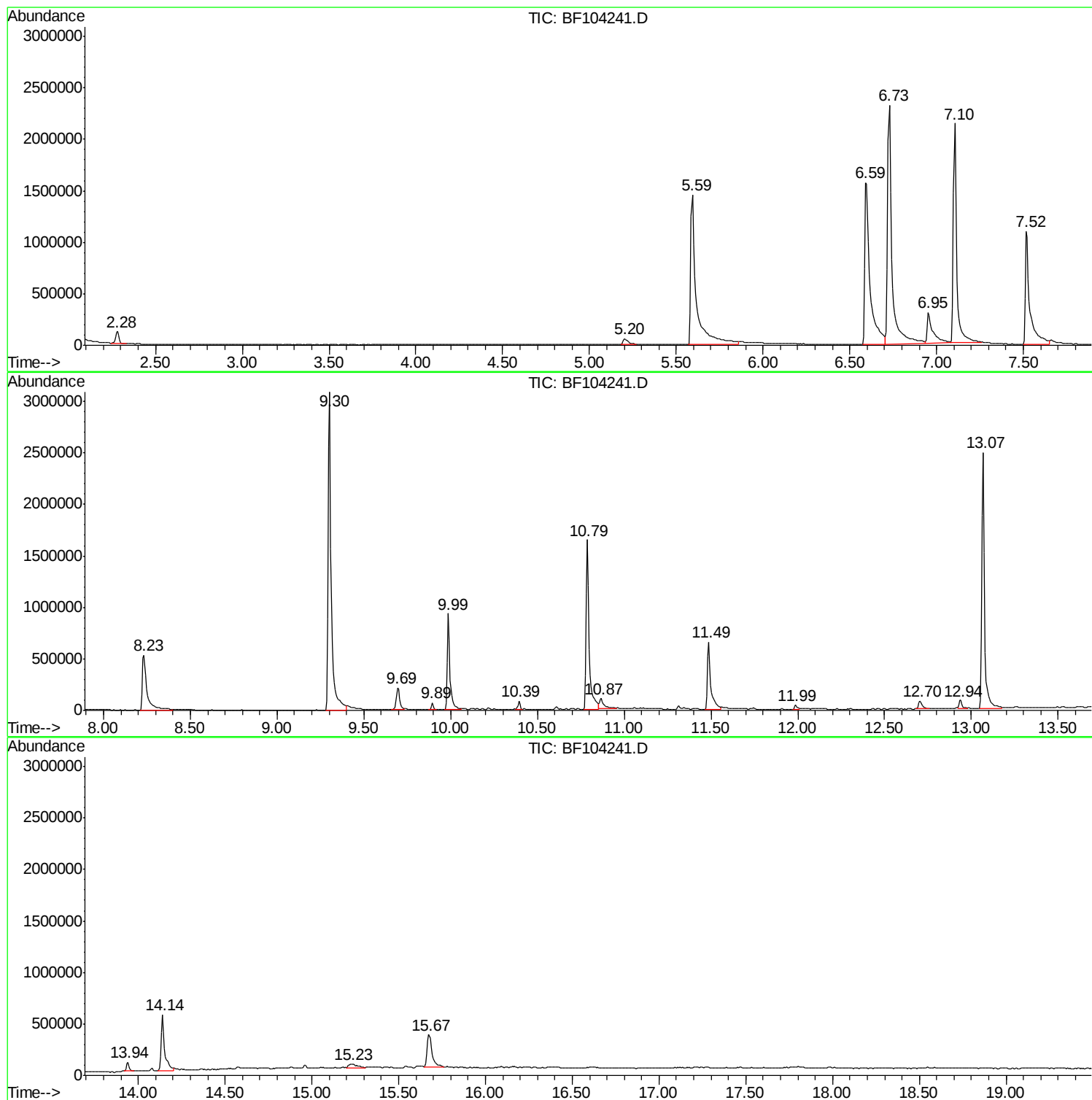
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BNA\_F  
ClientSampleId :  
SP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032818.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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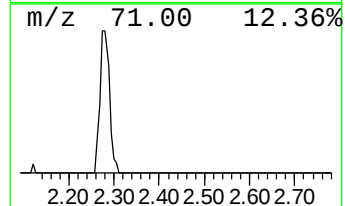
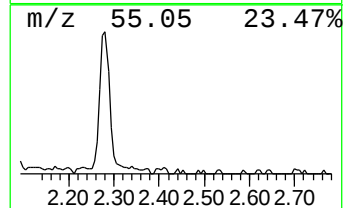
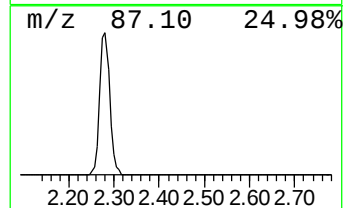
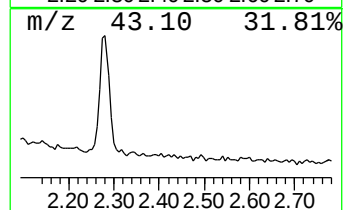
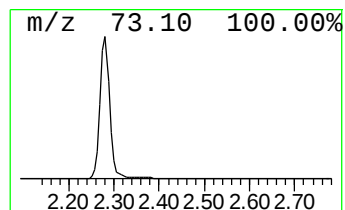
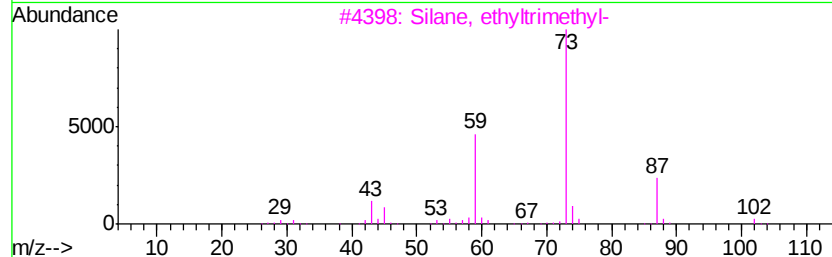
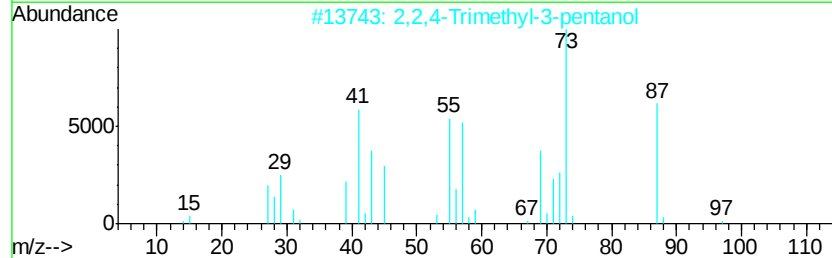
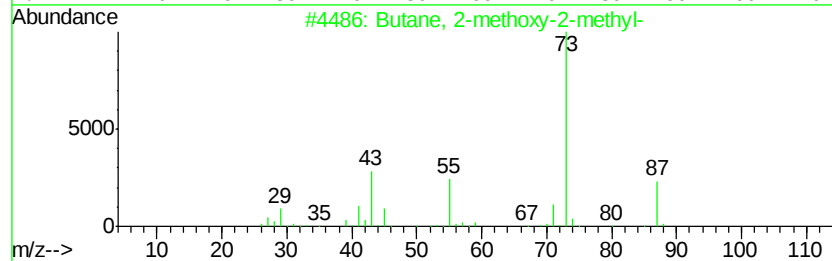
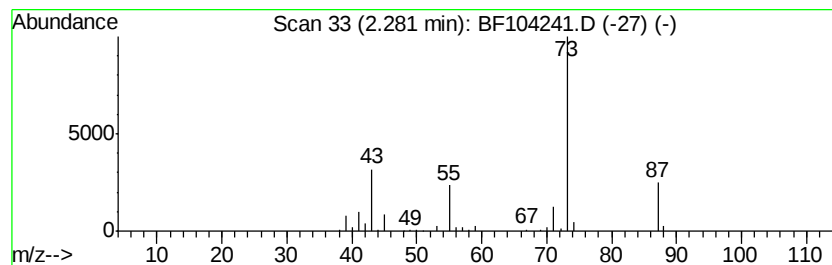
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 2.28 | 5.12 ng | 173185 | 1,4-Dichlorobenzene-d4 | 6.95 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 86   |
| 2    |    |   | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 40   |
| 3    |    |   | Silane, ethyltrimethyl-     | 102 | C5H14Si | 003439-38-1 | 33   |
| 4    |    |   | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 17   |
| 5    |    |   | 3-Hexanol, 2-methyl-        | 116 | C7H16O  | 000617-29-8 | 12   |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032818.M  
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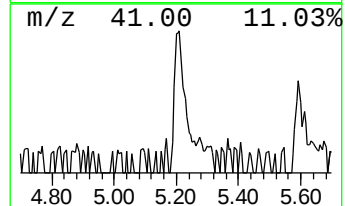
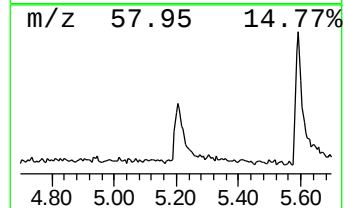
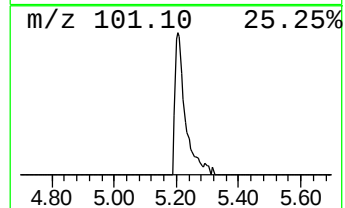
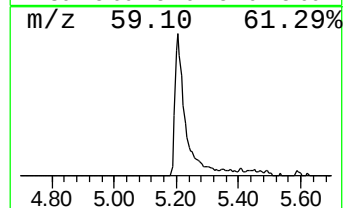
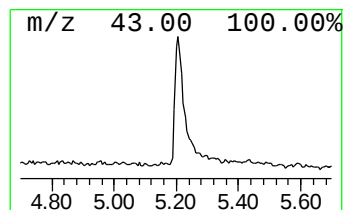
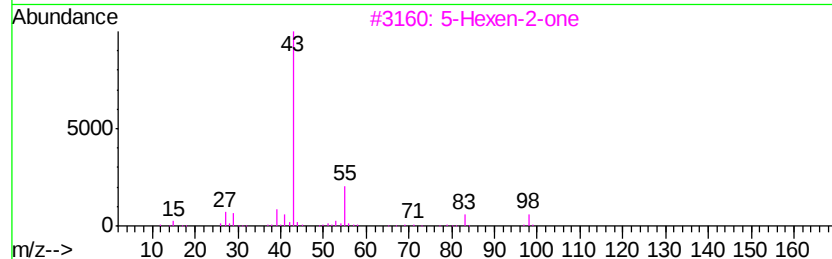
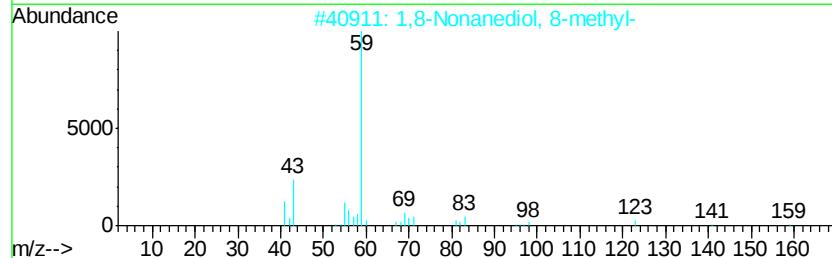
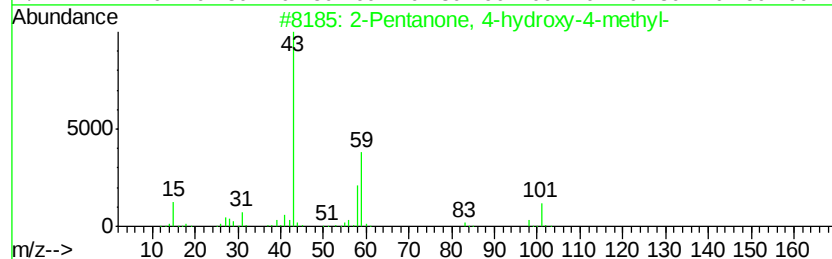
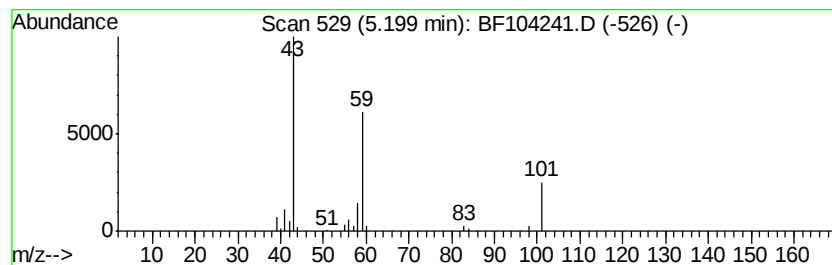
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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.20 | 3.59 ng | 121685 | 1,4-Dichlorobenzene-d4 | 6.95 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm  | CAS#        | Qual |
|------|----|---|----------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2  | 000123-42-2 | 50   |
| 2    |    |   | 1,8-Nonanediol, 8-methyl-        | 174 | C10H22O2 | 054725-73-4 | 23   |
| 3    |    |   | 5-Hexen-2-one                    | 98  | C6H10O   | 000109-49-9 | 9    |
| 4    |    |   | Propane, 1-ethoxy-2-methyl-      | 102 | C6H14O   | 000627-02-1 | 9    |
| 5    |    |   | Morpholine, 4-methyl-            | 101 | C5H11NO  | 000109-02-4 | 9    |



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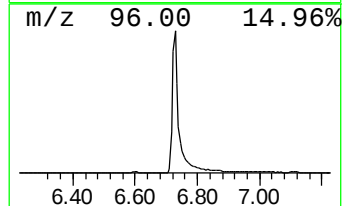
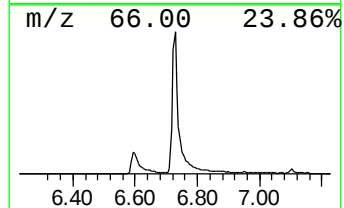
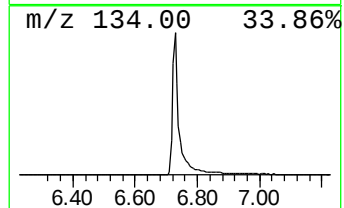
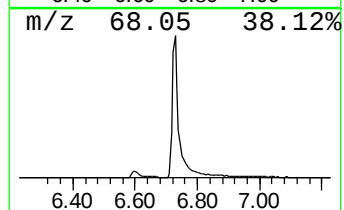
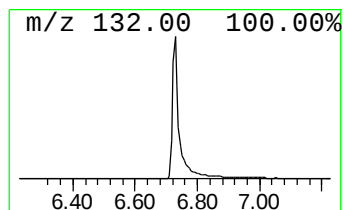
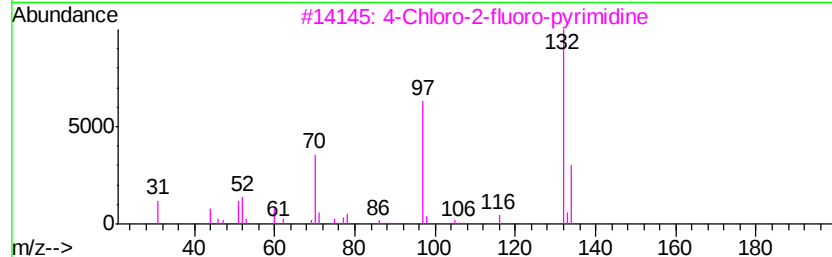
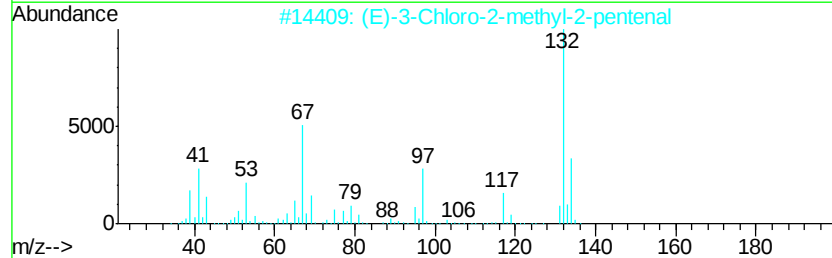
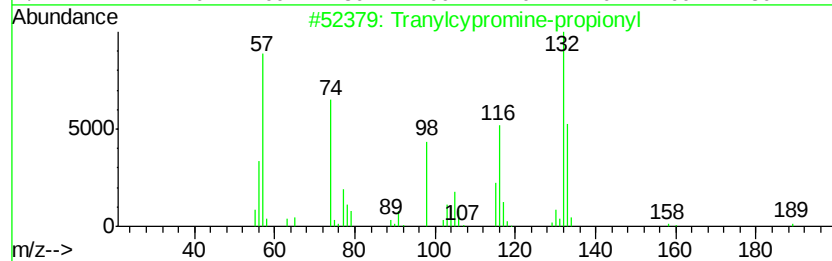
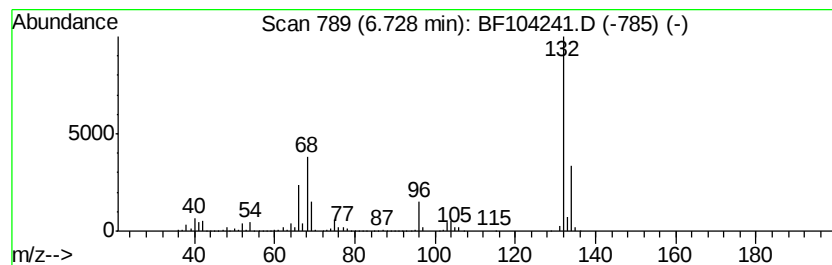
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown6.73 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 6.73 | 112.34 ng | 3802870 | 1,4-Dichlorobenzene-d4 | 6.95 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Tranlylcypromine-propionyl       | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 10   |
| 3    |    | 4-Chloro-2-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-00-5  | 9    |
| 4    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 9    |
| 5    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 9    |



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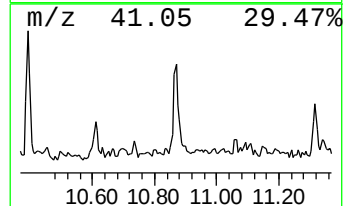
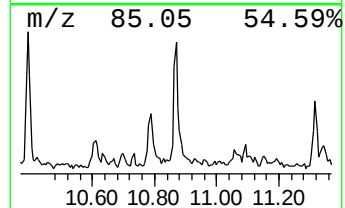
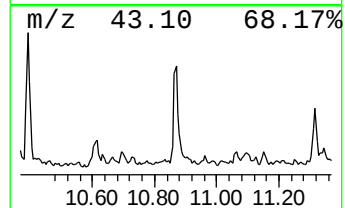
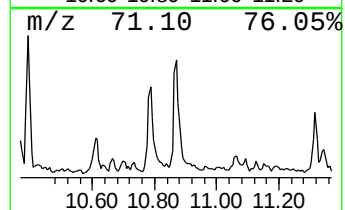
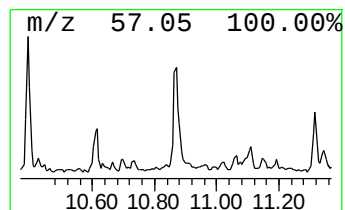
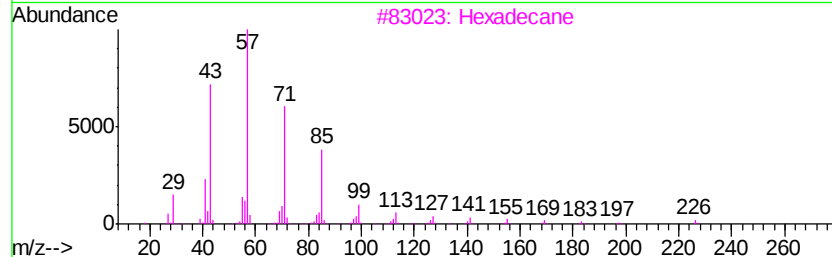
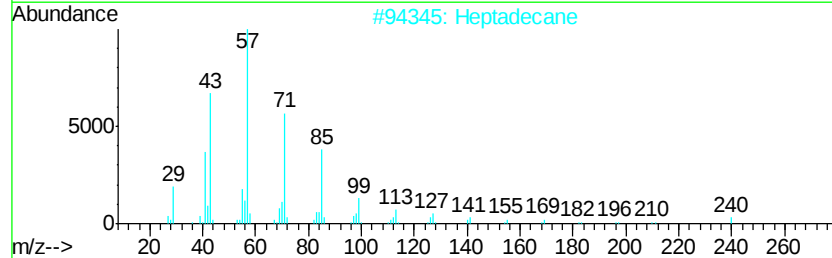
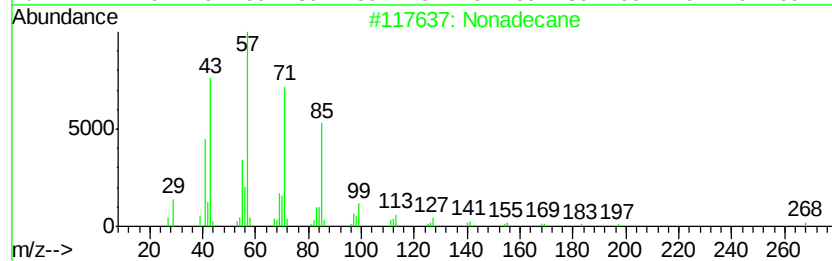
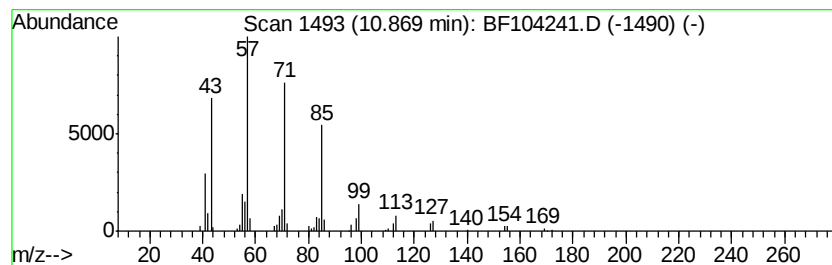
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Nonadecane Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.87 | 3.73 ng | 171724 | Phenanthrene-d10 | 11.49 |

| Hit# of | 5           | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------|--------------|-----|---------|-------------|------|
| 1       | Nonadecane  |              | 268 | C19H40  | 000629-92-5 | 90   |
| 2       | Heptadecane |              | 240 | C17H36  | 000629-78-7 | 90   |
| 3       | Hexadecane  |              | 226 | C16H34  | 000544-76-3 | 90   |
| 4       | Tetradecane |              | 198 | C14H30  | 000629-59-4 | 90   |
| 5       | Tetracosane |              | 338 | C24H50  | 000646-31-1 | 86   |



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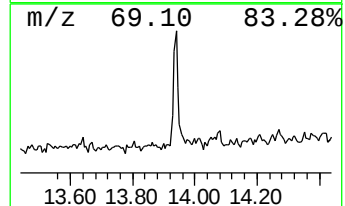
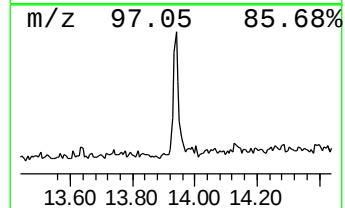
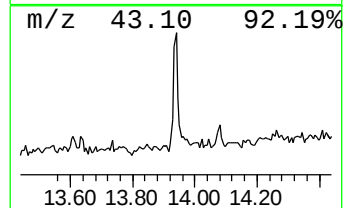
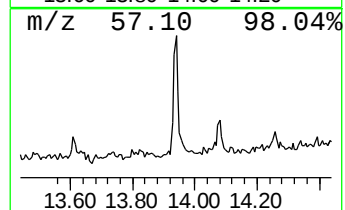
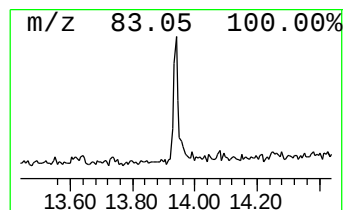
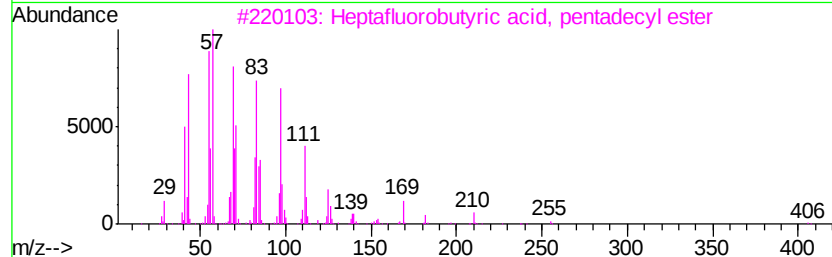
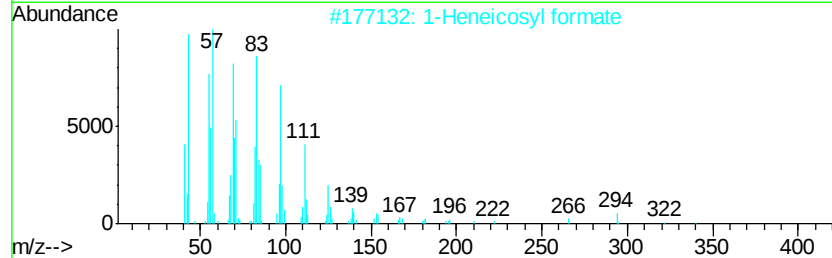
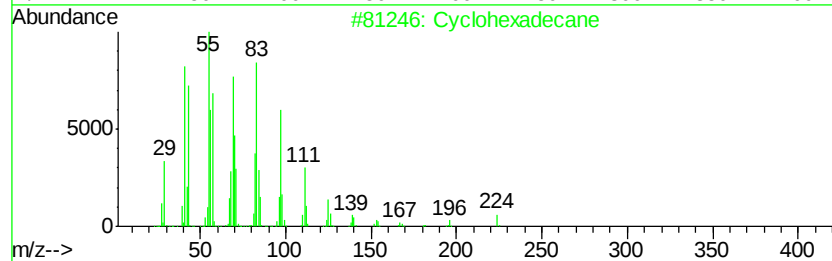
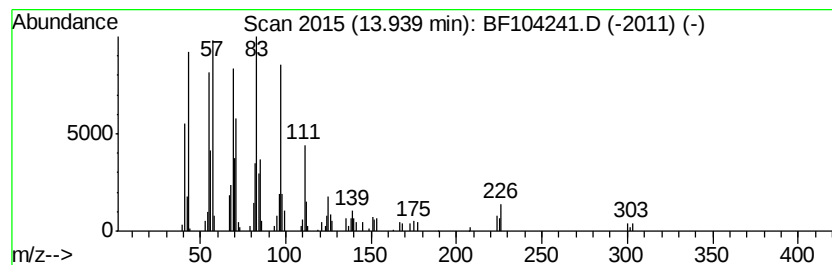
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Peak Number 6 Cyclohexadecane Concentration Rank 7

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 13.94 | 2.26 ng | 90013 | Chrysene-d12     | 14.14 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|---------|---|-------------------------------------|-----|-------------|--------------|------|
| 1       |   | Cyclohexadecane                     | 224 | C16H32      | 000295-65-8  | 97   |
| 2       |   | 1-Heneicosyl formate                | 340 | C22H44O2    | 077899-03-7  | 95   |
| 3       |   | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2  | 959261-23-5  | 95   |
| 4       |   | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2  | 959010-23-2  | 95   |
| 5       |   | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 94   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF040418\  
Data File : BF104241.D  
Acq On : 4 Apr 2018 22:20  
Operator : JU/SJ  
Sample : J2197-04  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Butane, 2-methoxy... | 2.28  | 5.1     | ng    | 173185   | 1                     | 6.95  | 677020 | 20.0 |
| 2-Pentanone, 4-hy... | 5.20  | 3.6     | ng    | 121685   | 1                     | 6.95  | 677020 | 20.0 |
| unknown6.73          | 6.73  | 112.3   | ng    | 3802870  | 1                     | 6.95  | 677020 | 20.0 |
| Nonadecane           | 10.87 | 3.7     | ng    | 171724   | 4                     | 11.49 | 920796 | 20.0 |
| Cyclohexadecane      | 13.94 | 2.3     | ng    | 90013    | 5                     | 14.14 | 797715 | 20.0 |