

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF040418\  
 Data File : BF104226.D  
 Acq On : 4 Apr 2018 15:42  
 Operator : JU/SJ  
 Sample : PB107885BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB107885BL

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-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         | 5.210       | 527           | 531         | 542          | rBV      | 49794          | 99641         | 2.65%           | 0.352%        |
| 2         | 5.598       | 593           | 597         | 638          | rBV      | 1254288        | 2721200       | 72.24%          | 9.604%        |
| 3         | 6.598       | 763           | 767         | 785          | rBV      | 1372969        | 2635432       | 69.96%          | 9.301%        |
| 4         | 6.728       | 785           | 789         | 820          | rVV      | 2016381        | 3238146       | 85.96%          | 11.429%       |
| 5         | 6.951       | 824           | 827         | 849          | rVV      | 309437         | 666403        | 17.69%          | 2.352%        |
| 6         | 7.104       | 849           | 853         | 881          | rVB      | 1779035        | 2341897       | 62.17%          | 8.265%        |
| 7         | 7.516       | 919           | 923         | 950          | rBV      | 990239         | 1771872       | 47.04%          | 6.254%        |
| 8         | 8.228       | 1041          | 1044        | 1068         | rBV      | 557814         | 907157        | 24.08%          | 3.202%        |
| 9         | 9.304       | 1222          | 1227        | 1255         | rBV      | 2775442        | 3654646       | 97.02%          | 12.898%       |
| 10        | 9.986       | 1339          | 1343        | 1362         | rBV      | 903678         | 1062221       | 28.20%          | 3.749%        |
| 11        | 10.786      | 1475          | 1479        | 1511         | rBV      | 1652802        | 2263737       | 60.09%          | 7.989%        |
| 12        | 11.486      | 1594          | 1598        | 1617         | rBV      | 796089         | 1115198       | 29.60%          | 3.936%        |
| 13        | 11.986      | 1678          | 1683        | 1693         | rBV5     | 17297          | 39865         | 1.06%           | 0.141%        |
| 14        | 13.069      | 1863          | 1867        | 1883         | rBV      | 3008947        | 3767037       | 100.00%         | 13.295%       |
| 15        | 14.139      | 2045          | 2049        | 2068         | rBV      | 835201         | 1171713       | 31.10%          | 4.135%        |
| 16        | 15.680      | 2306          | 2311        | 2324         | rBV      | 462102         | 877770        | 23.30%          | 3.098%        |

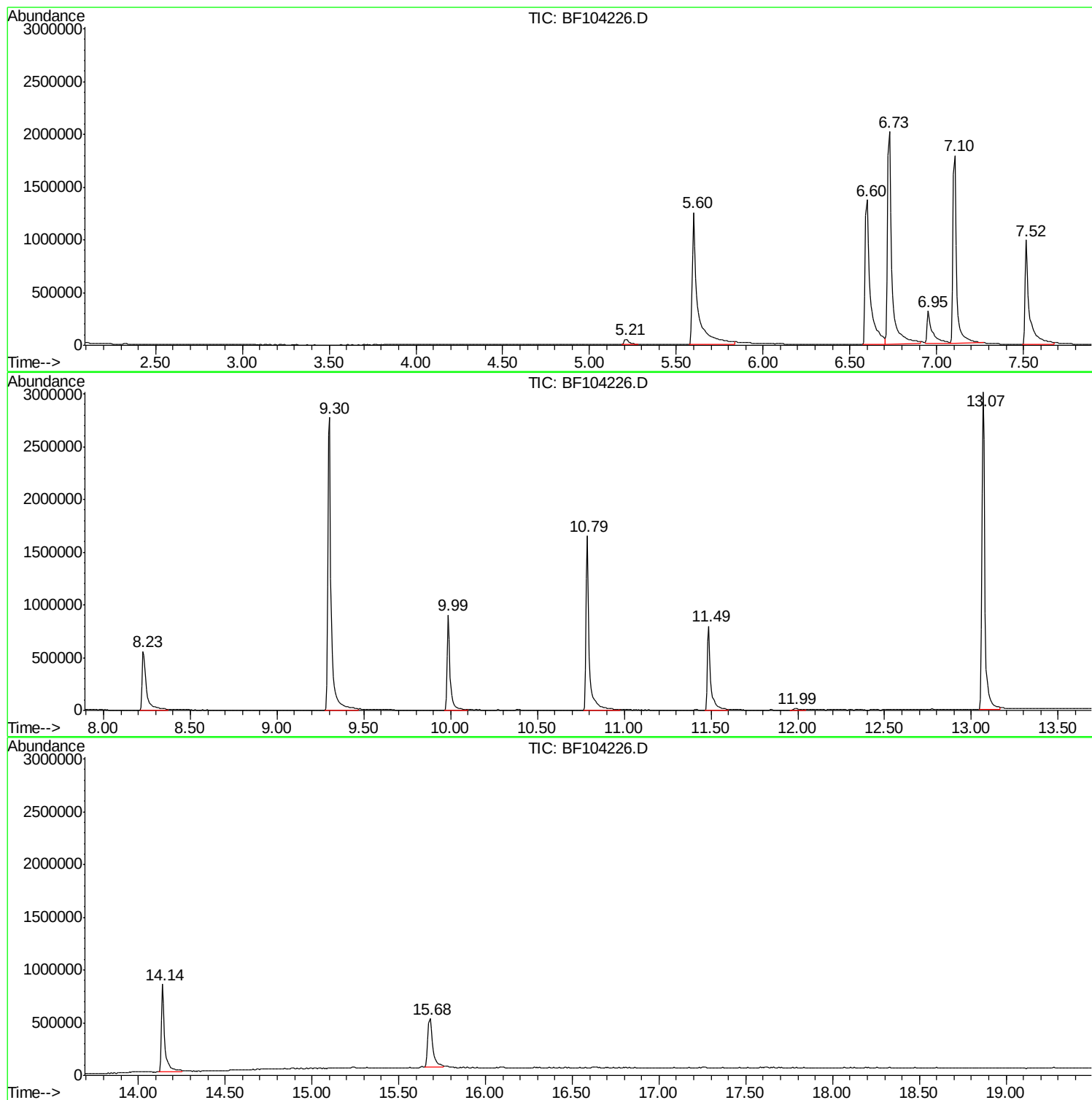
Sum of corrected areas: 28333935

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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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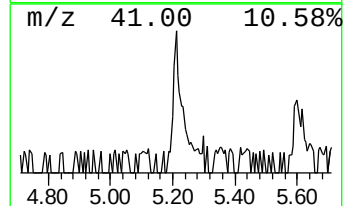
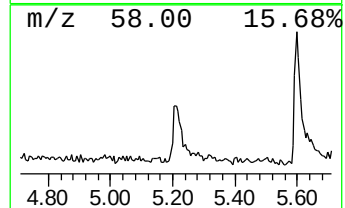
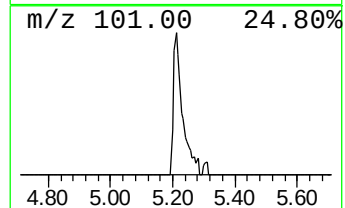
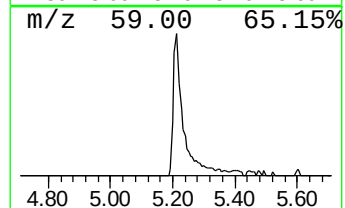
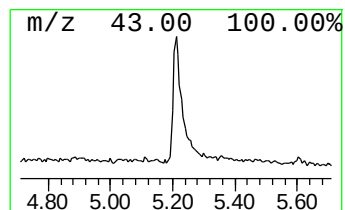
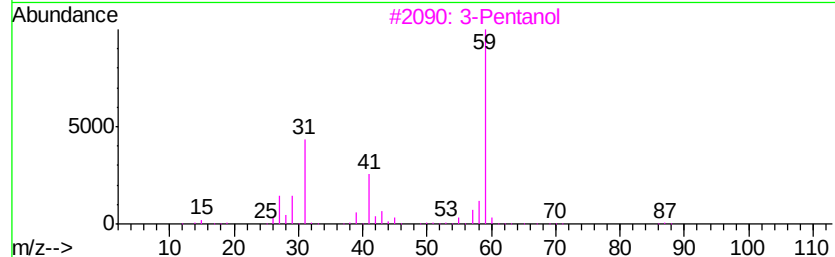
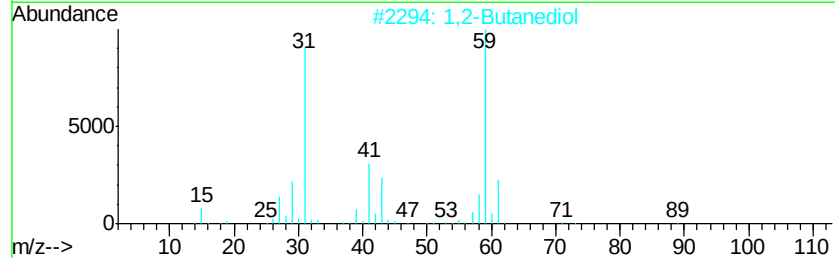
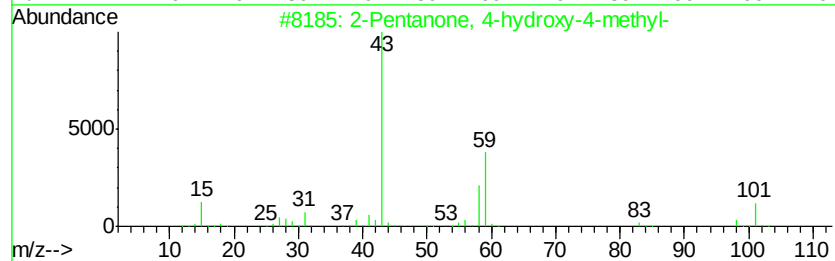
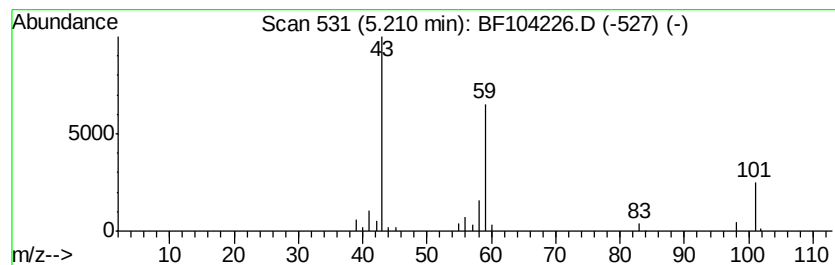
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TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown5.21 Concentration Rank 3

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 5.21 | 2.99 ng | 99641 | 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  | 40      |      |      |
| 2    | 1,2-Butanediol                   | 90  | C4H10O2      | 000584-03-2  | 32      |      |      |
| 3    | 3-Pentanol                       | 88  | C5H12O       | 000584-02-1  | 32      |      |      |
| 4    | n-Propyl t-butyl ether           | 116 | C7H16O       | 1000334-81-9 | 28      |      |      |
| 5    | 1,8-Nonanediol, 8-methyl-        | 174 | C10H22O2     | 054725-73-4  | 25      |      |      |



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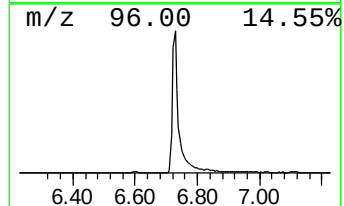
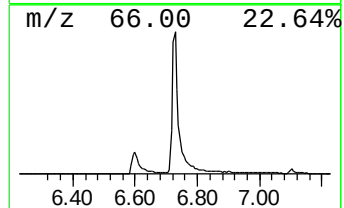
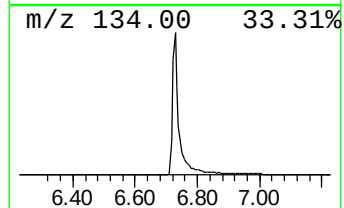
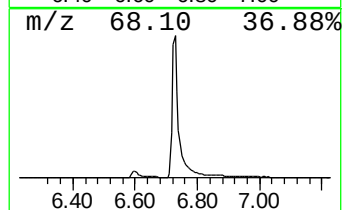
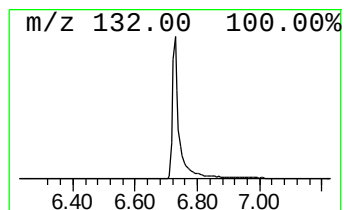
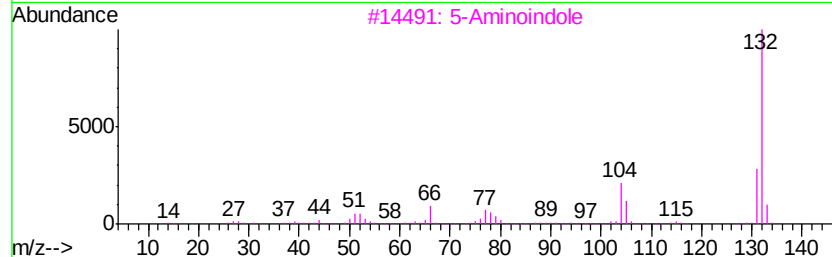
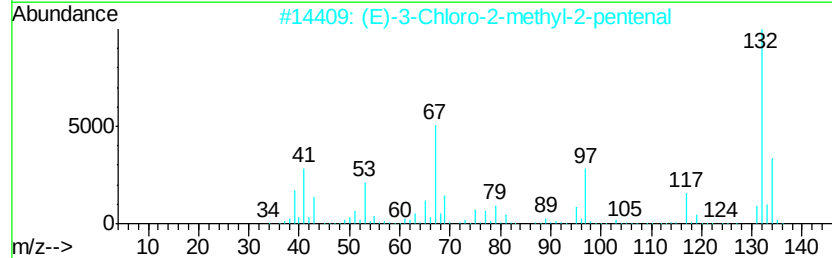
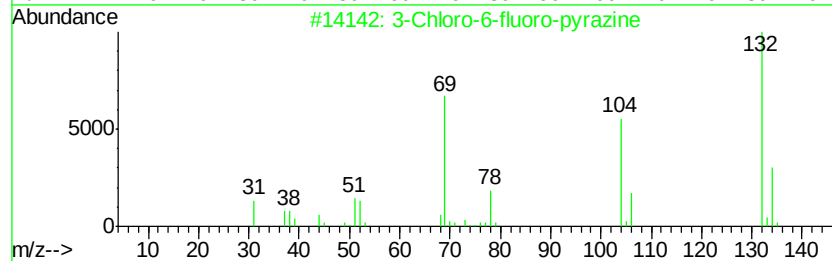
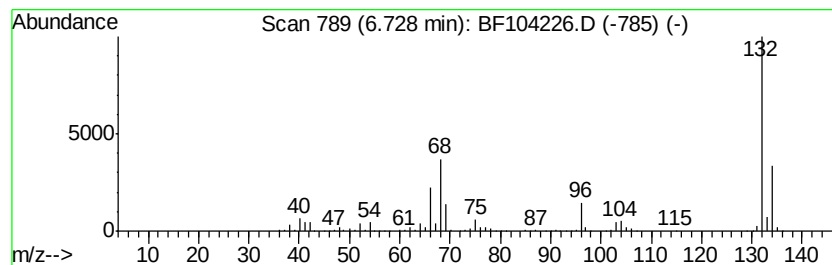
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Peak Number 2 unknown6.73 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.73 | 97.18 ng | 3238150 | 1,4-Dichlorobenzene-d4 | 6.95 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 38   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |
| 4    |    | 4-Chloro-2-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-00-5  | 9    |
| 5    |    | Xenon                            | 132 | Xe        | 007440-63-3  | 9    |



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| TIC Top Hit name | RT   | EstConc | Units | Response | ---Internal Standard--- |      |        |      |
|------------------|------|---------|-------|----------|-------------------------|------|--------|------|
|                  |      |         |       |          | #                       | RT   | Resp   | Conc |
| unknown5.21      | 5.21 | 3.0     | ng    | 99641    | 1                       | 6.95 | 666403 | 20.0 |
| unknown6.73      | 6.73 | 97.2    | ng    | 3238150  | 1                       | 6.95 | 666403 | 20.0 |