

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091219\  
 Data File : BG042787.D  
 Acq On : 12 Sep 2019 18:18  
 Operator : HP/JU  
 Sample : K4822-08  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-4B(9-10)

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:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG091219.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         | 3.217       | 17            | 22          | 30           | rBV      | 195019         | 389540        | 6.94%           | 1.254%        |
| 2         | 3.293       | 30            | 35          | 48           | rVB      | 471060         | 722967        | 12.88%          | 2.328%        |
| 3         | 5.684       | 433           | 442         | 455          | rBV      | 1403896        | 2277396       | 40.56%          | 7.332%        |
| 4         | 7.271       | 701           | 712         | 725          | rBV      | 1511210        | 2671770       | 47.58%          | 8.602%        |
| 5         | 7.653       | 769           | 777         | 786          | rBV      | 1373532        | 2381877       | 42.42%          | 7.669%        |
| 6         | 8.123       | 850           | 857         | 864          | rBV      | 285521         | 478001        | 8.51%           | 1.539%        |
| 7         | 8.446       | 904           | 912         | 923          | rVB      | 991028         | 1732839       | 30.86%          | 5.579%        |
| 8         | 9.274       | 1045          | 1053        | 1063         | rBV      | 828274         | 1537819       | 27.39%          | 4.951%        |
| 9         | 10.931      | 1327          | 1335        | 1342         | rBV      | 346655         | 634587        | 11.30%          | 2.043%        |
| 10        | 13.369      | 1743          | 1750        | 1757         | rBV      | 2125616        | 3325000       | 59.21%          | 10.705%       |
| 11        | 14.186      | 1881          | 1889        | 1899         | rVB      | 360206         | 529587        | 9.43%           | 1.705%        |
| 12        | 14.738      | 1976          | 1983        | 1991         | rVB      | 550337         | 894486        | 15.93%          | 2.880%        |
| 13        | 16.219      | 2227          | 2235        | 2248         | rBV      | 1847565        | 2853658       | 50.82%          | 9.188%        |
| 14        | 17.476      | 2443          | 2449        | 2459         | rVB2     | 736641         | 1174993       | 20.93%          | 3.783%        |
| 15        | 17.864      | 2508          | 2515        | 2519         | rBV3     | 38065          | 57129         | 1.02%           | 0.184%        |
| 16        | 18.369      | 2597          | 2601        | 2610         | rBV3     | 58210          | 86743         | 1.54%           | 0.279%        |
| 17        | 20.091      | 2887          | 2894        | 2900         | rBV      | 4214236        | 5615225       | 100.00%         | 18.079%       |
| 18        | 20.773      | 3004          | 3010        | 3016         | rBV4     | 40472          | 66136         | 1.18%           | 0.213%        |
| 19        | 21.419      | 3114          | 3120        | 3127         | rBV3     | 74938          | 155313        | 2.77%           | 0.500%        |
| 20        | 21.760      | 3170          | 3178        | 3187         | rBV2     | 824861         | 1430799       | 25.48%          | 4.607%        |
| 21        | 21.989      | 3212          | 3217        | 3223         | rBV2     | 55908          | 86835         | 1.55%           | 0.280%        |
| 22        | 22.623      | 3319          | 3325        | 3331         | rBV2     | 64023          | 112174        | 2.00%           | 0.361%        |
| 23        | 23.287      | 3433          | 3438        | 3442         | rBV7     | 35685          | 78704         | 1.40%           | 0.253%        |
| 24        | 23.340      | 3442          | 3447        | 3457         | rVB      | 71384          | 146732        | 2.61%           | 0.472%        |
| 25        | 24.174      | 3583          | 3589        | 3596         | rVB4     | 53175          | 117810        | 2.10%           | 0.379%        |
| 26        | 25.032      | 3722          | 3735        | 3748         | rBV2     | 473513         | 1392597       | 24.80%          | 4.484%        |
| 27        | 25.161      | 3752          | 3757        | 3766         | rVB3     | 41258          | 108331        | 1.93%           | 0.349%        |

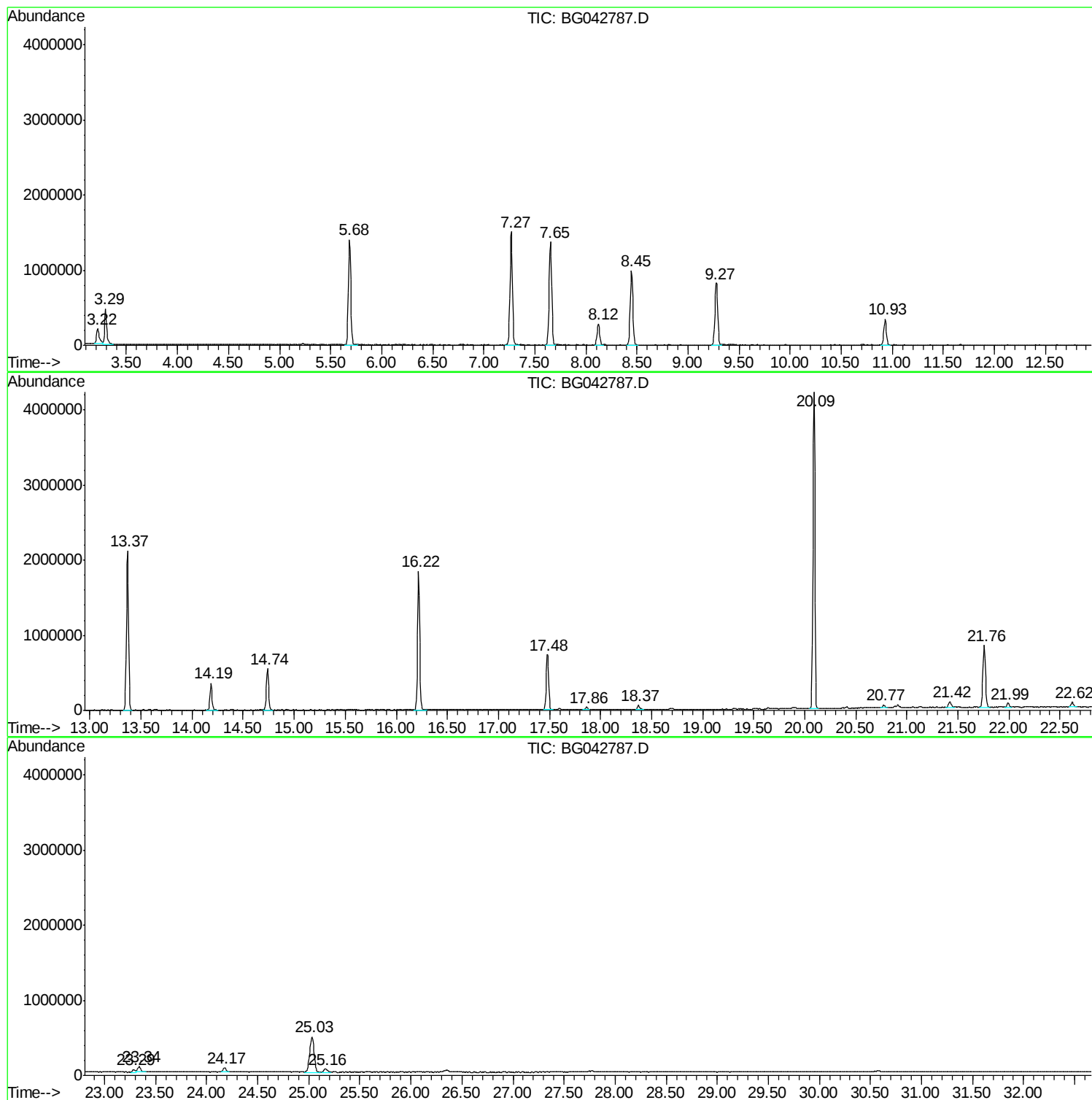
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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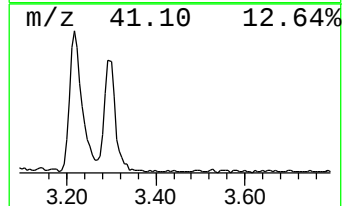
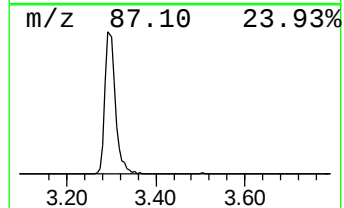
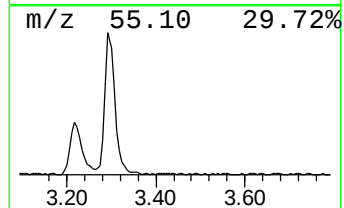
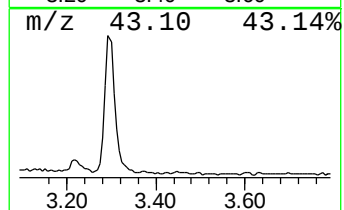
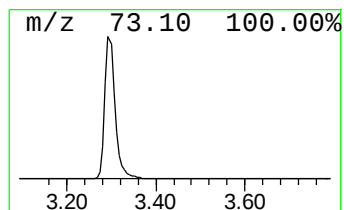
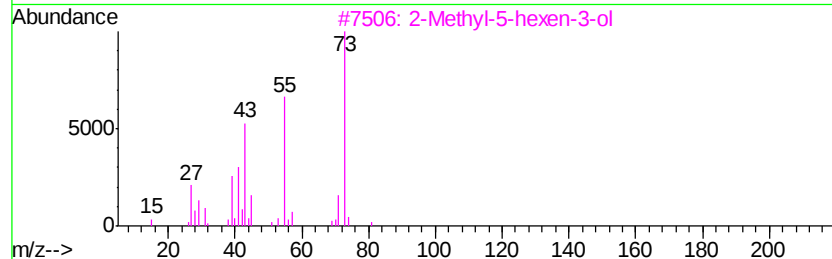
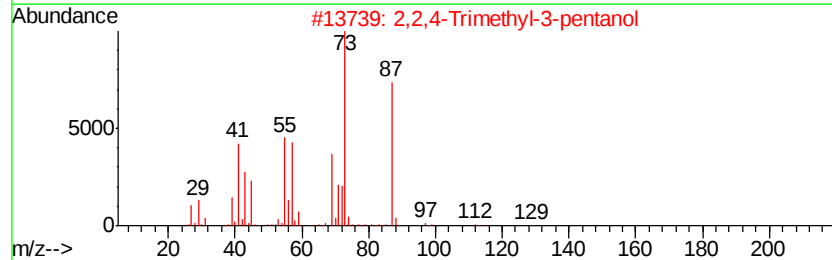
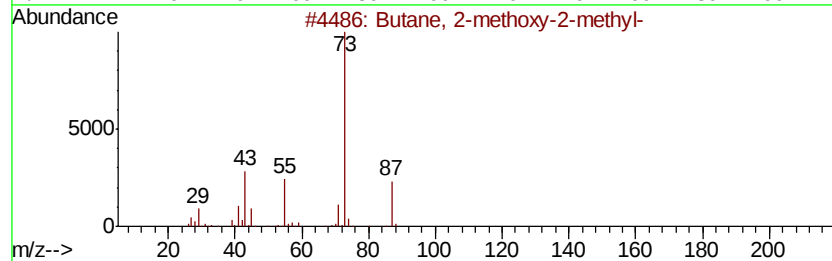
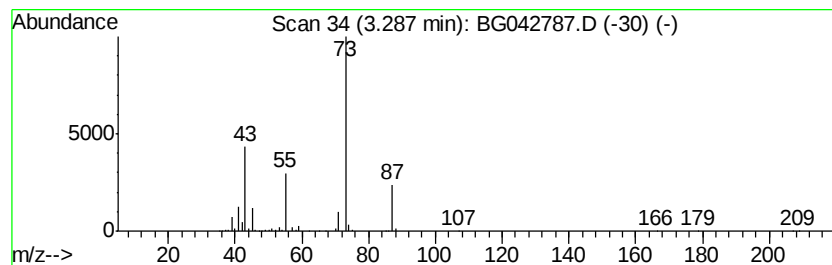
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M  
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TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 3.29 | 30.25 ng | 722967 | 1,4-Dichlorobenzene-d4 | 8.12 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 39   |
| 3    |    | 2-Methyl-5-hexen-3-ol       | 114 | C7H14O  | 032815-70-6 | 38   |
| 4    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 37   |
| 5    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 35   |



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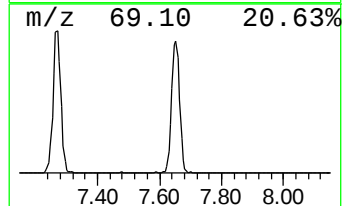
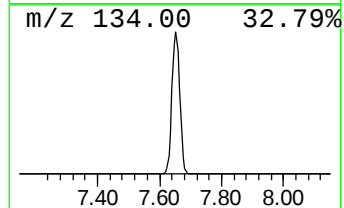
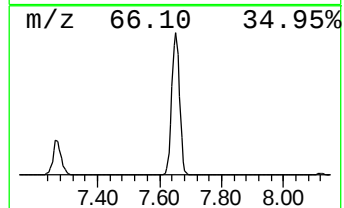
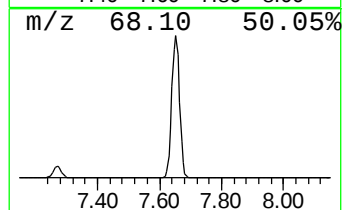
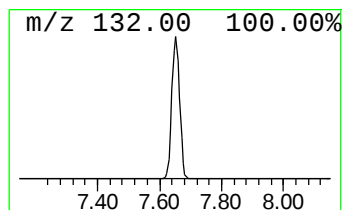
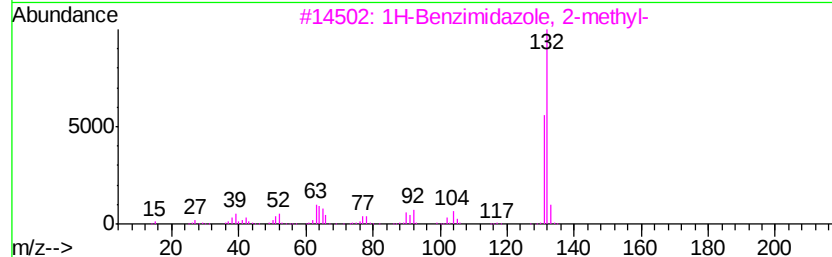
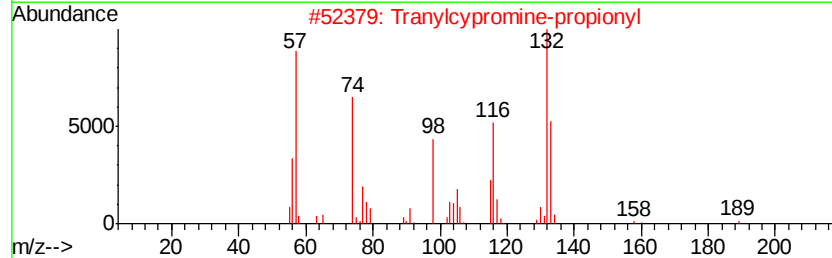
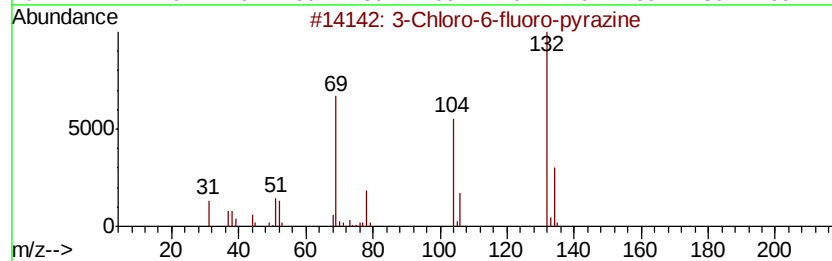
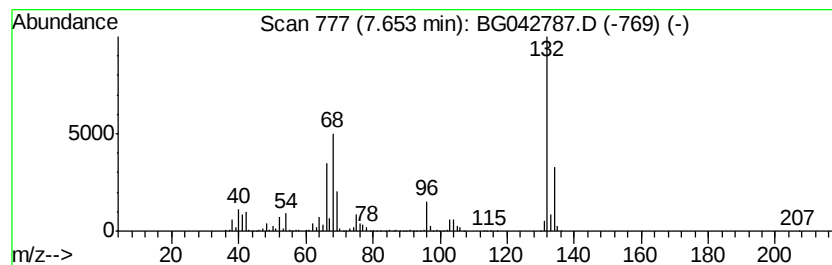
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 unknown7.65 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.65 | 99.66 ng | 2381880 | 1,4-Dichlorobenzene-d4 | 8.12 |

| Hit# | of | Tentative ID                       | MW  | MolForm   | CAS#         | Qual |
|------|----|------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine         | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | Tranvlcypropine-propionyl          | 189 | C12H15NO  | 1000123-86-3 | 22   |
| 3    |    | 1H-Benzimidazole, 2-methyl-        | 132 | C8H8N2    | 000615-15-6  | 22   |
| 4    |    | 5-Fluoro-2-chloropyrimidine        | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 5    |    | Pyrazolo(2,3-a)pyridine, 7-methyl- | 132 | C8H8N2    | 034760-58-2  | 12   |



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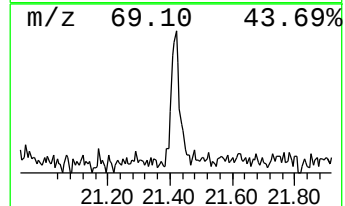
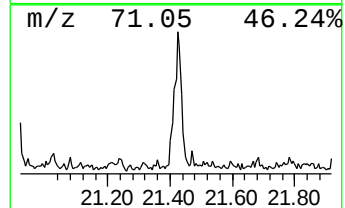
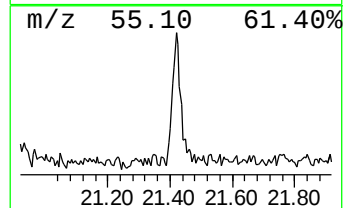
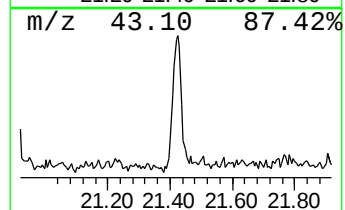
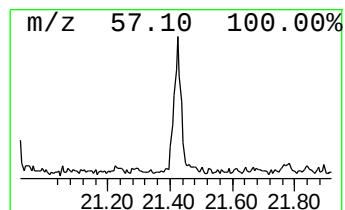
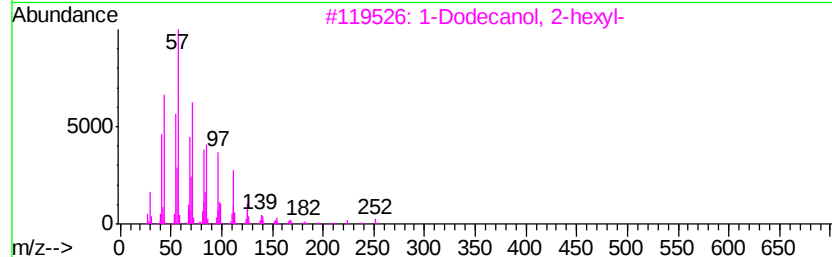
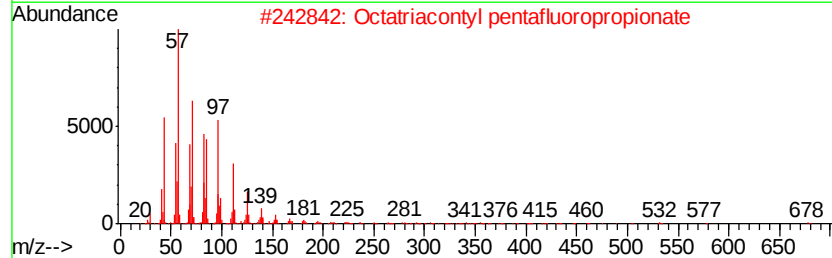
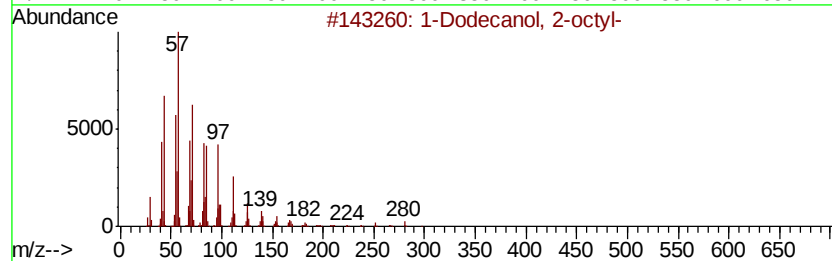
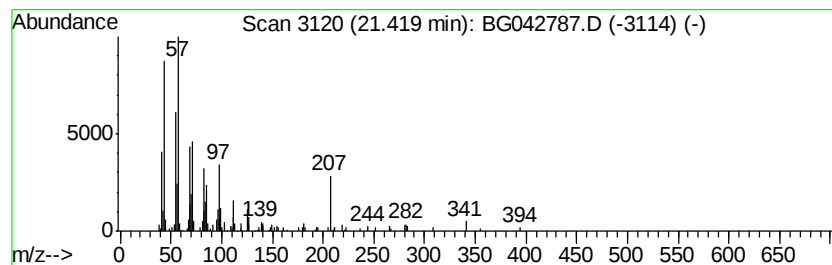
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 1-Dodecanol, 2-octyl- Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 21.42 | 2.17 ng | 155313 | Chrysene-d12     | 21.76 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | 1-Dodecanol, 2-octyl-               | 298 | C20H42O    | 005333-42-6  | 76   |
| 2    |    | Octatriacontyl pentafluoropropio... | 697 | C41H77F5O2 | 1000351-89-1 | 74   |
| 3    |    | 1-Dodecanol, 2-hexyl-               | 270 | C18H38O    | 110225-00-8  | 68   |
| 4    |    | 1-Heptacosanol                      | 396 | C27H56O    | 002004-39-9  | 68   |
| 5    |    | 1-Decanol, 2-octyl-                 | 270 | C18H38O    | 045235-48-1  | 68   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

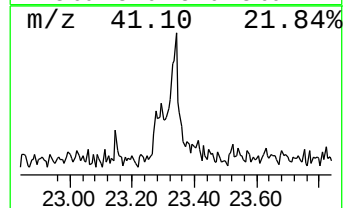
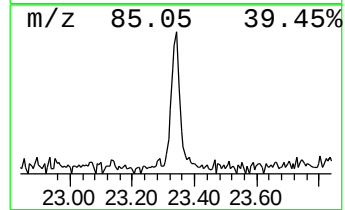
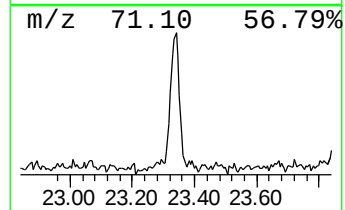
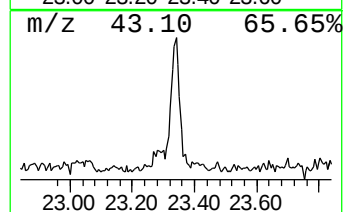
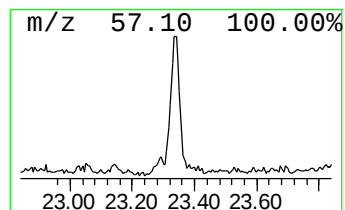
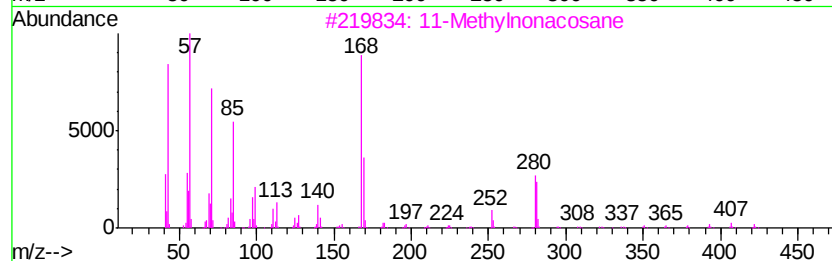
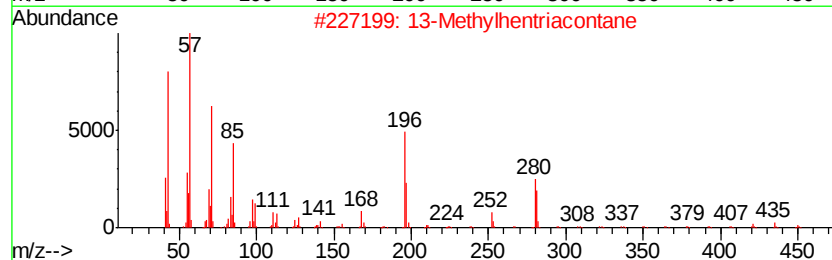
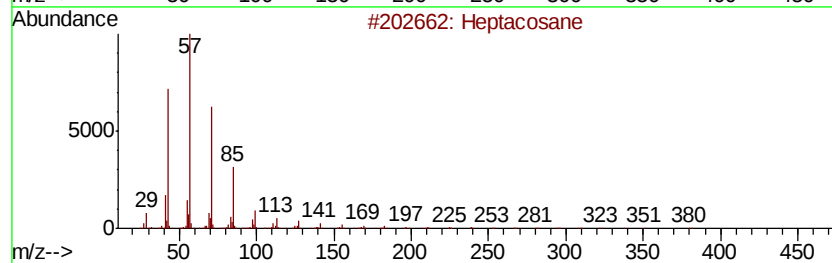
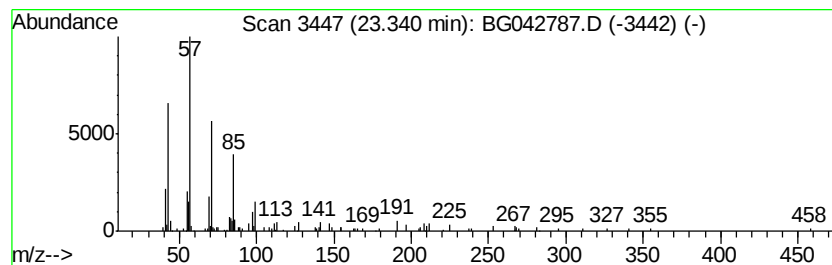
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 Heptacosane Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 23.34 | 2.05 ng | 146732 | Chrysene-d12     | 21.76 |

| Hit# of | 5                                   | Tentative ID | MW  | MolForm   | CAS#         | Qual |
|---------|-------------------------------------|--------------|-----|-----------|--------------|------|
| 1       | Heptacosane                         |              | 380 | C27H56    | 000593-49-7  | 80   |
| 2       | 13-Methylhentriacontane             |              | 451 | C32H66    | 1000131-19-4 | 72   |
| 3       | 11-Methylnonacosane                 |              | 422 | C30H62    | 007371-99-5  | 72   |
| 4       | Hexadecane                          |              | 226 | C16H34    | 000544-76-3  | 72   |
| 5       | Sulfurous acid, butyl tridecyl e... |              | 320 | C17H36O3S | 1000309-18-0 | 72   |



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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 |
| Butane, 2-methoxy... | 3.29  | 30.3    | ng    | 722967   | 1                     | 8.12  | 478001  | 20.0 |
| unknown7.65          | 7.65  | 99.7    | ng    | 2381880  | 1                     | 8.12  | 478001  | 20.0 |
| 1-Dodecanol, 2-oc... | 21.42 | 2.2     | ng    | 155313   | 5                     | 21.76 | 1430800 | 20.0 |
| Heptacosane          | 23.34 | 2.0     | ng    | 146732   | 5                     | 21.76 | 1430800 | 20.0 |