

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083019\  
 Data File : BG042612.D  
 Acq On : 30 Aug 2019 22:33  
 Operator : HP/JU  
 Sample : K4618-13  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-4-28-30

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-BG082219.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         | 5.553       | 412           | 419         | 432          | rBV      | 430436         | 697987        | 31.34%          | 6.102%        |
| 2         | 7.163       | 685           | 693         | 709          | rBV      | 435326         | 836437        | 37.56%          | 7.312%        |
| 3         | 7.527       | 747           | 755         | 769          | rBV      | 467103         | 813992        | 36.55%          | 7.116%        |
| 4         | 7.997       | 828           | 835         | 842          | rBV      | 99002          | 168356        | 7.56%           | 1.472%        |
| 5         | 8.320       | 882           | 890         | 899          | rBV      | 352756         | 598251        | 26.86%          | 5.230%        |
| 6         | 9.161       | 1025          | 1033        | 1049         | rBV      | 236803         | 458788        | 20.60%          | 4.011%        |
| 7         | 10.818      | 1308          | 1315        | 1330         | rBV      | 121549         | 234473        | 10.53%          | 2.050%        |
| 8         | 13.274      | 1726          | 1733        | 1747         | rBV      | 746637         | 1182222       | 53.09%          | 10.335%       |
| 9         | 14.108      | 1869          | 1875        | 1889         | rBV      | 46765          | 91477         | 4.11%           | 0.800%        |
| 10        | 14.654      | 1961          | 1968        | 1985         | rBV2     | 219937         | 375574        | 16.86%          | 3.283%        |
| 11        | 16.147      | 2215          | 2222        | 2247         | rBV      | 724089         | 1214154       | 54.52%          | 10.614%       |
| 12        | 17.410      | 2430          | 2437        | 2451         | rBV      | 302937         | 505077        | 22.68%          | 4.415%        |
| 13        | 18.303      | 2583          | 2589        | 2593         | rBV3     | 14211          | 23409         | 1.05%           | 0.205%        |
| 14        | 20.019      | 2875          | 2881        | 2894         | rVB      | 1706124        | 2227018       | 100.00%         | 19.468%       |
| 15        | 21.317      | 3098          | 3102        | 3119         | rBV      | 87961          | 177186        | 7.96%           | 1.549%        |
| 16        | 21.681      | 3157          | 3164        | 3179         | rBV      | 372556         | 669002        | 30.04%          | 5.848%        |
| 17        | 21.875      | 3192          | 3197        | 3202         | rVB2     | 23651          | 34581         | 1.55%           | 0.302%        |
| 18        | 22.422      | 3283          | 3290        | 3296         | rVB3     | 16899          | 42720         | 1.92%           | 0.373%        |
| 19        | 22.486      | 3296          | 3301        | 3311         | rBV2     | 39253          | 74613         | 3.35%           | 0.652%        |
| 20        | 23.185      | 3411          | 3420        | 3428         | rVB3     | 35480          | 77662         | 3.49%           | 0.679%        |
| 21        | 23.373      | 3441          | 3452        | 3460         | rVB2     | 35949          | 78290         | 3.52%           | 0.684%        |
| 22        | 23.996      | 3550          | 3558        | 3564         | rBV2     | 31990          | 68631         | 3.08%           | 0.600%        |
| 23        | 24.619      | 3660          | 3664        | 3673         | rVB2     | 11946          | 30483         | 1.37%           | 0.266%        |
| 24        | 24.925      | 3702          | 3716        | 3734         | rBV2     | 234283         | 758896        | 34.08%          | 6.634%        |

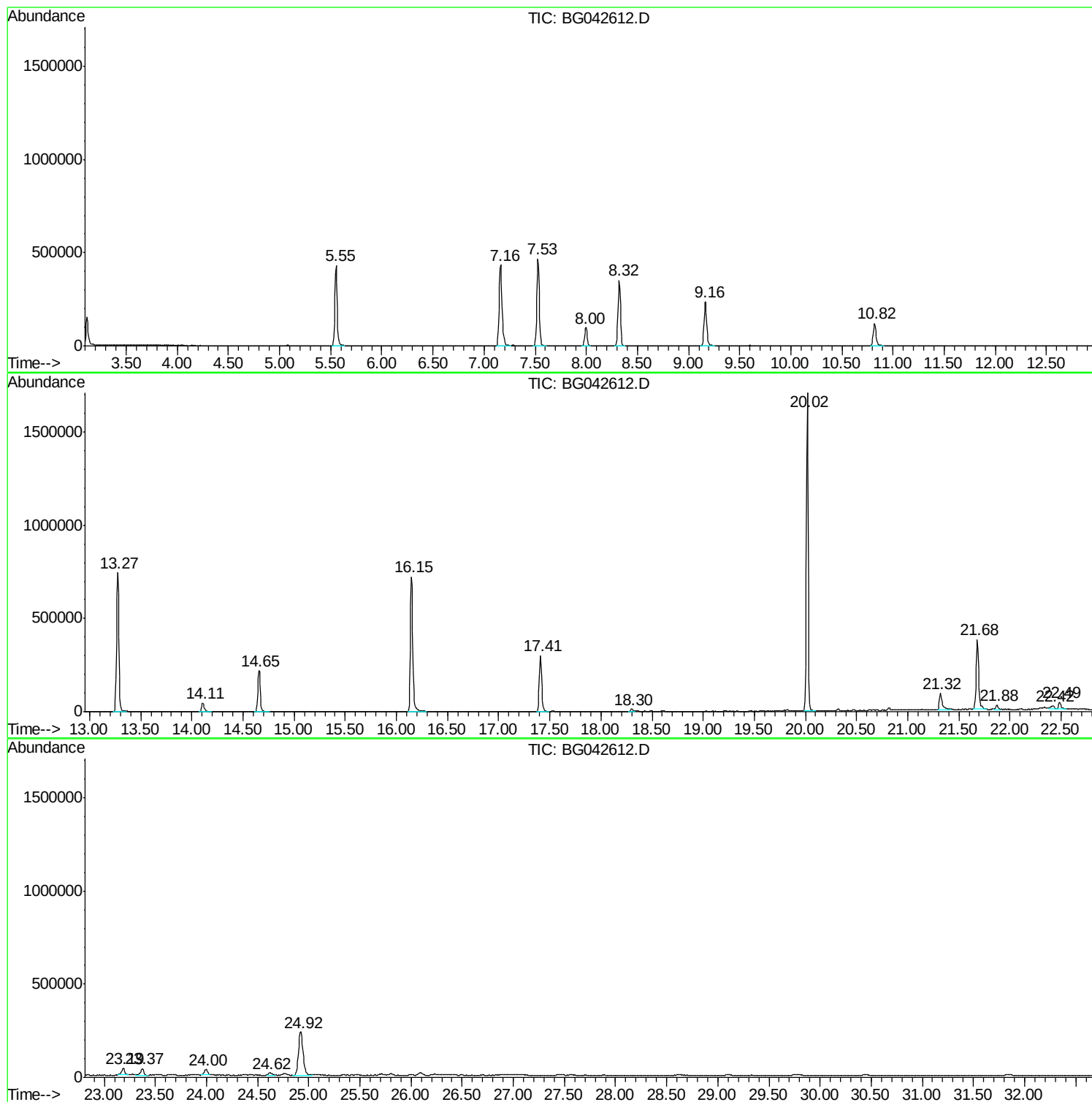
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Instrument :  
BNA\_G  
ClientSampleId :  
SB-4-28-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.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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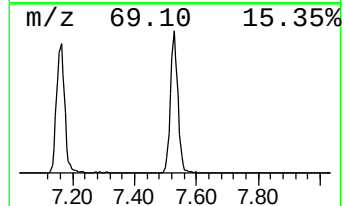
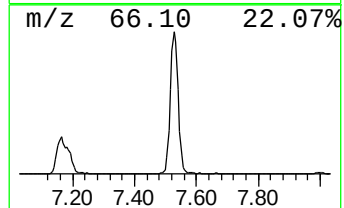
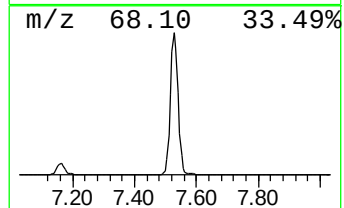
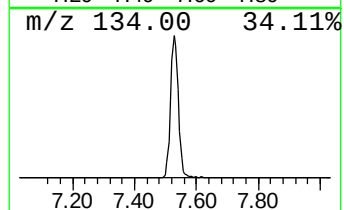
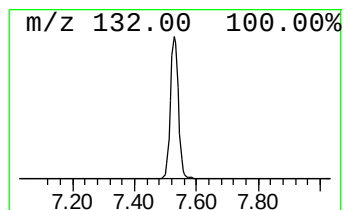
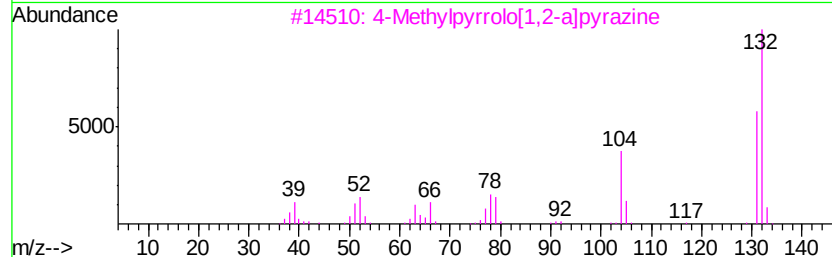
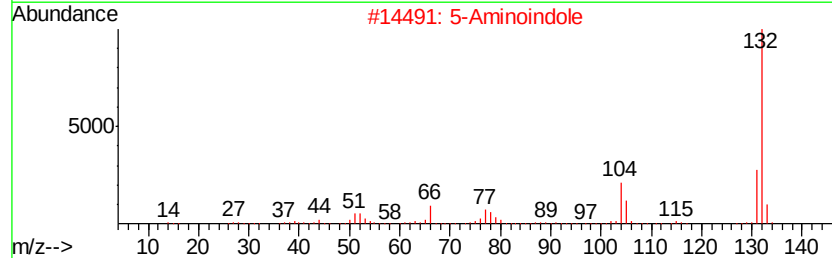
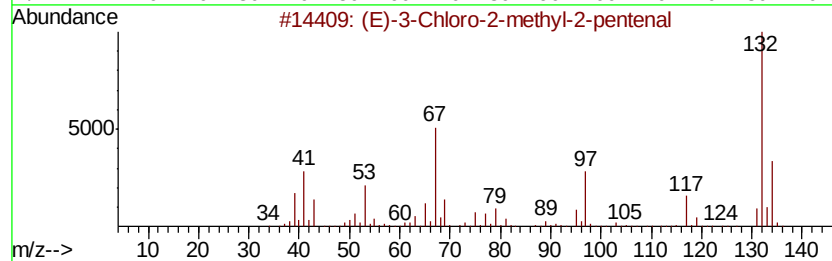
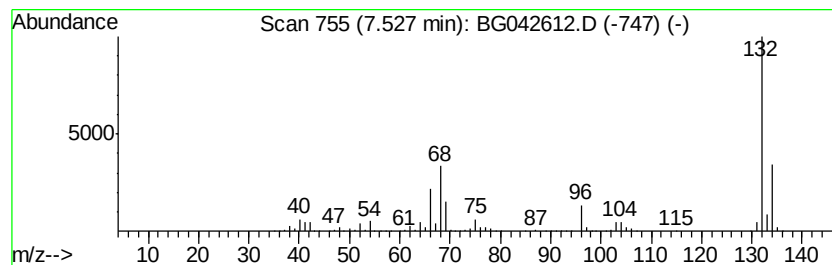
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown7.53 Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.53 | 96.70 ng | 813992 | 1,4-Dichlorobenzene-d4 | 8.00 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3 | 17   |
| 2    |    | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0 | 16   |
| 3    |    | 4-Methylpyrrolo[1,2-a]pyrazine      | 132 | C8H8N2    | 064608-60-2 | 9    |
| 4    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6 | 9    |
| 5    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0 | 9    |



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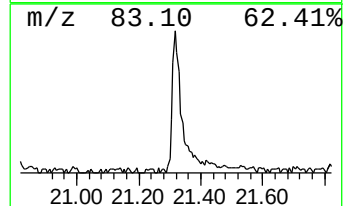
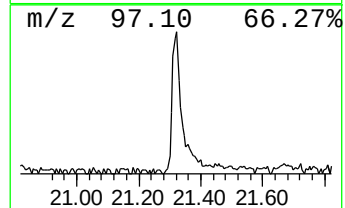
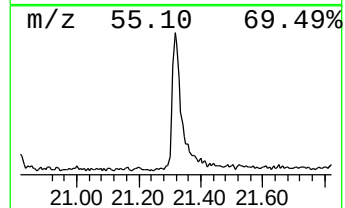
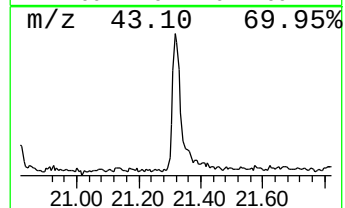
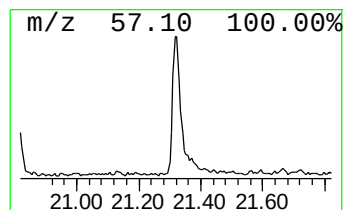
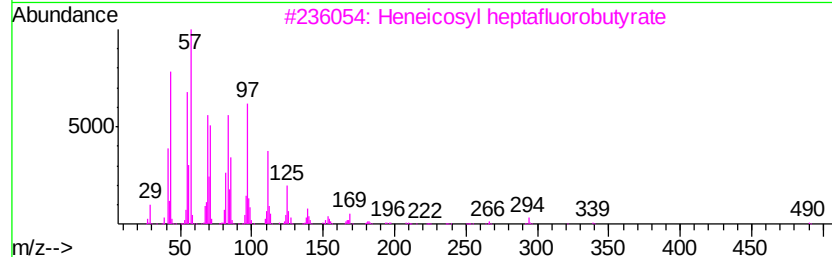
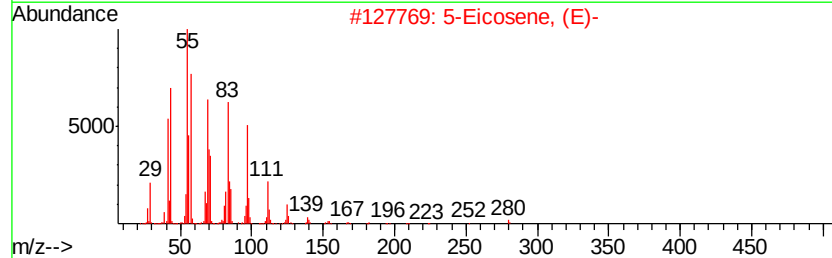
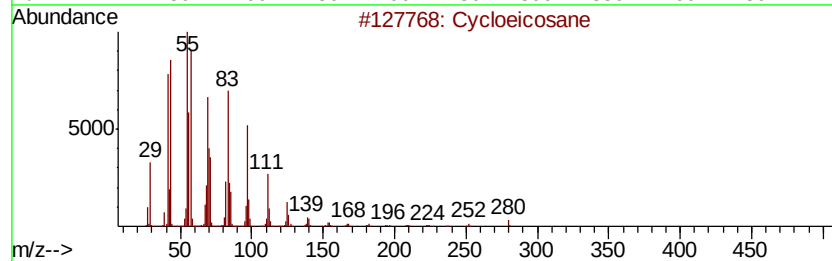
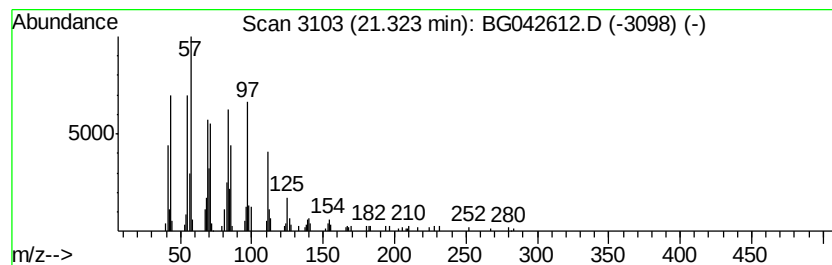
Instrument :  
BNA\_G  
ClientSampleId :  
SB-4-28-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.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 Cycloeicosane Concentration Rank 3

| R.T.    | EstConc | Area                           | Relative to ISTD | R.T.            |
|---------|---------|--------------------------------|------------------|-----------------|
| 21.32   | 5.30 ng | 177186                         | Chrysene-d12     | 21.68           |
| Hit# of | 5       | Tentative ID                   | MW MolForm       | CAS# Qual       |
| 1       |         | Cycloeicosane                  | 280 C20H40       | 000296-56-0 97  |
| 2       |         | 5-Eicosene, (E)-               | 280 C20H40       | 074685-30-6 95  |
| 3       |         | Heneicosyl heptafluorobutvrate | 508 C25H43F7O2   | 1000351-83-8 94 |
| 4       |         | Heptadecyl heptafluorobutvrate | 452 C21H35F7O2   | 959085-66-6 94  |
| 5       |         | Trifluoroacetoxy hexadecane    | 338 C18H33F3O2   | 006222-03-3 93  |



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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampled :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

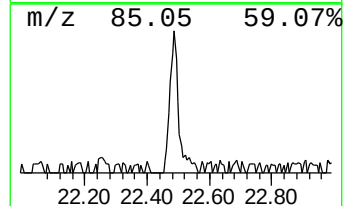
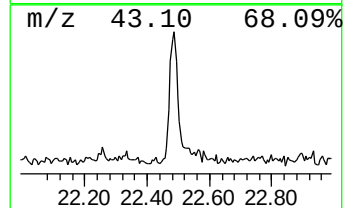
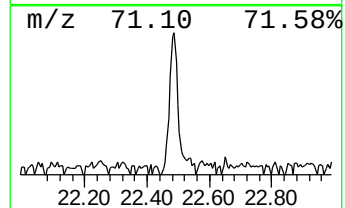
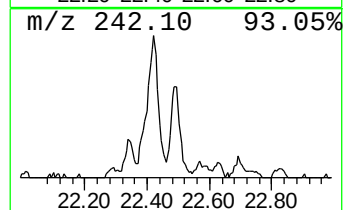
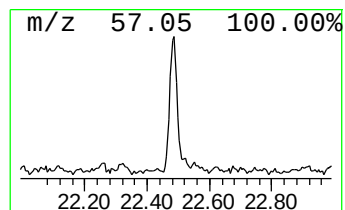
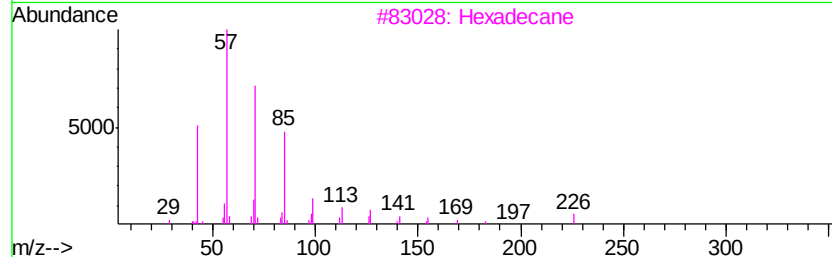
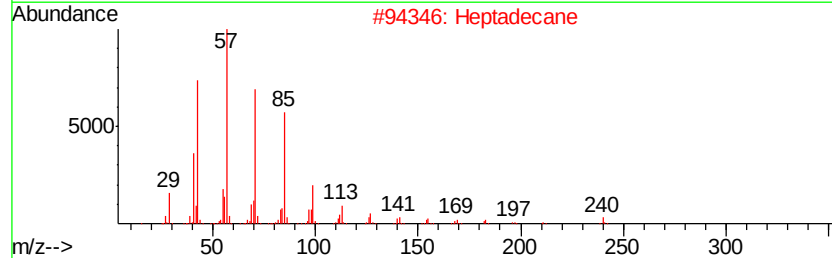
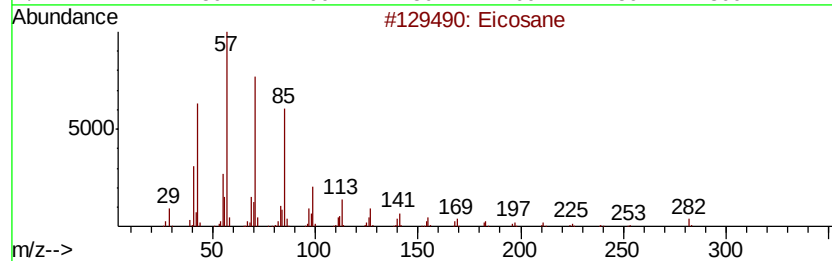
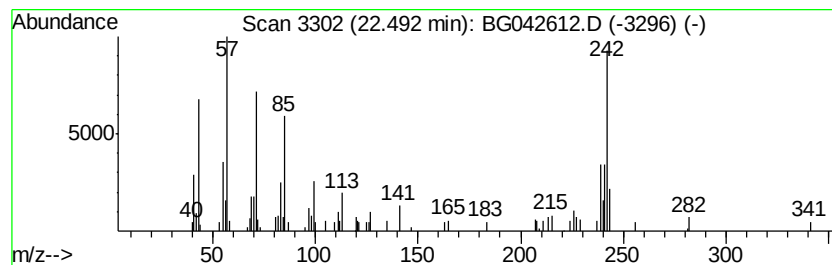
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Eicosane Concentration Rank 5

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 22.49 | 2.23 ng | 74613 | Chrysene-d12     | 21.68 |

| Hit# of | 5           | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------|--------------|-----|---------|-------------|------|
| 1       | Eicosane    |              | 282 | C20H42  | 000112-95-8 | 96   |
| 2       | Heptadecane |              | 240 | C17H36  | 000629-78-7 | 91   |
| 3       | Hexadecane  |              | 226 | C16H34  | 000544-76-3 | 89   |
| 4       | Octacosane  |              | 394 | C28H58  | 000630-02-4 | 49   |
| 5       | Pentacosane |              | 352 | C25H52  | 000629-99-2 | 49   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

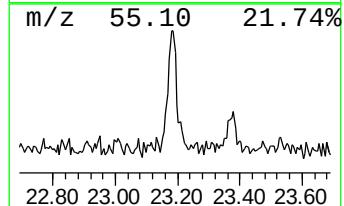
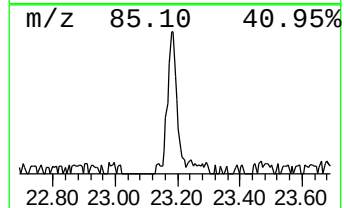
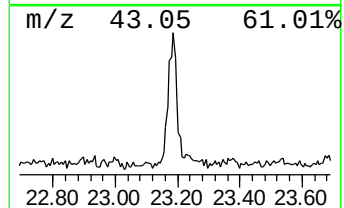
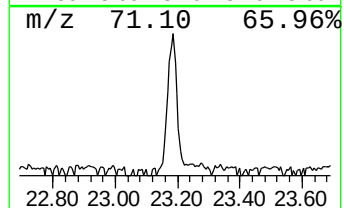
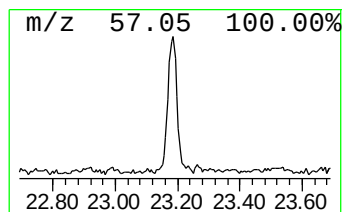
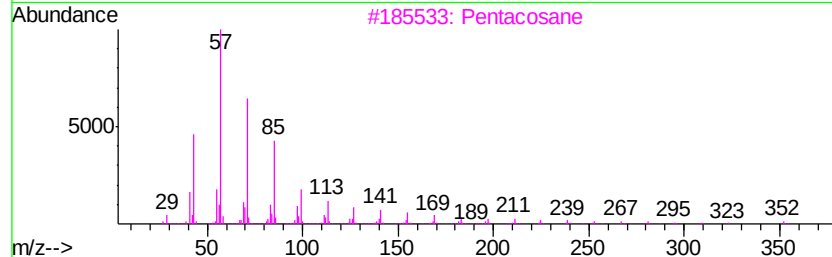
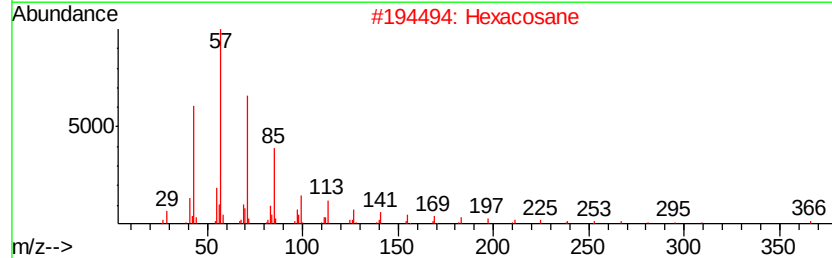
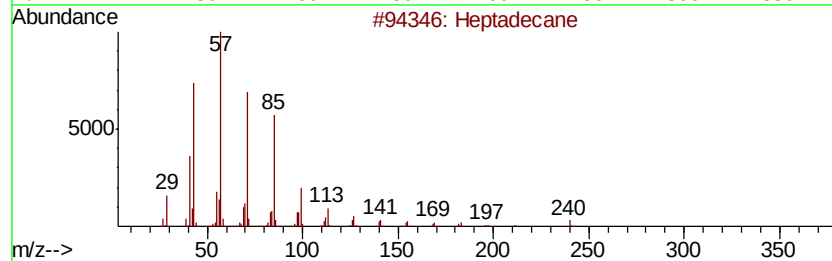
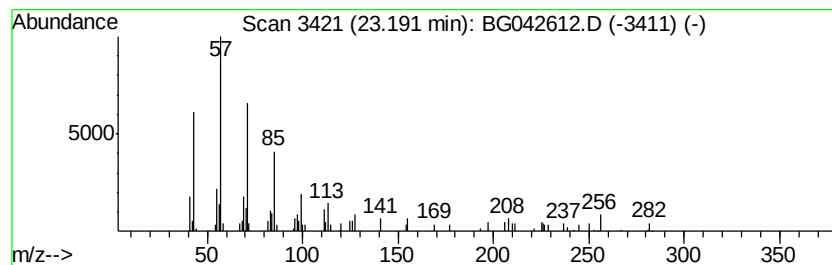
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Heptadecane Concentration Rank 4

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 23.19 | 2.32 ng | 77662 | Chrysene-d12     | 21.68 |

| Hit# of 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|-----------|--------------|-----|---------|-------------|------|
| 1         | Heptadecane  | 240 | C17H36  | 000629-78-7 | 98   |
| 2         | Hexacosane   | 366 | C26H54  | 000630-01-3 | 90   |
| 3         | Pentacosane  | 352 | C25H52  | 000629-99-2 | 90   |
| 4         | Heneicosane  | 296 | C21H44  | 000629-94-7 | 90   |
| 5         | Octacosane   | 394 | C28H58  | 000630-02-4 | 90   |



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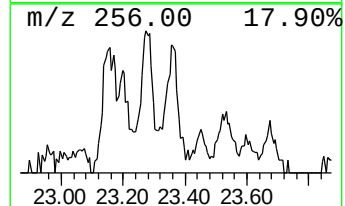
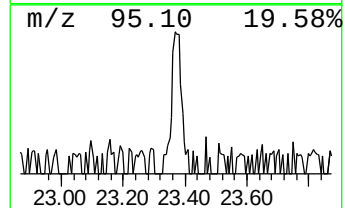
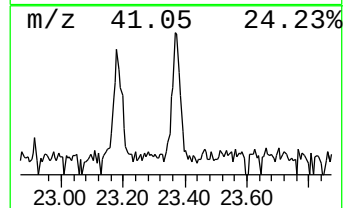
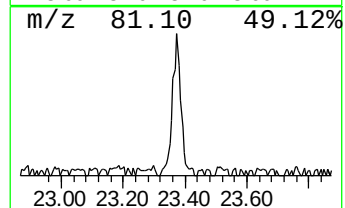
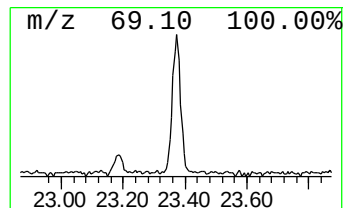
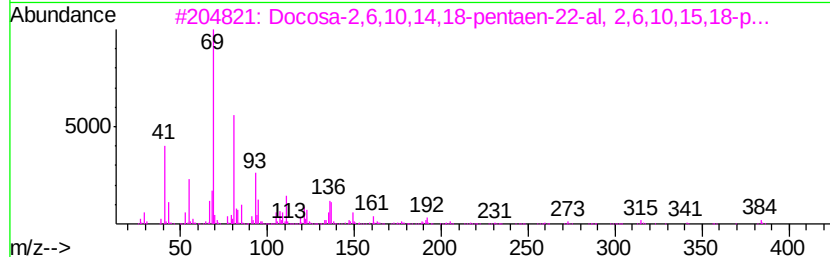
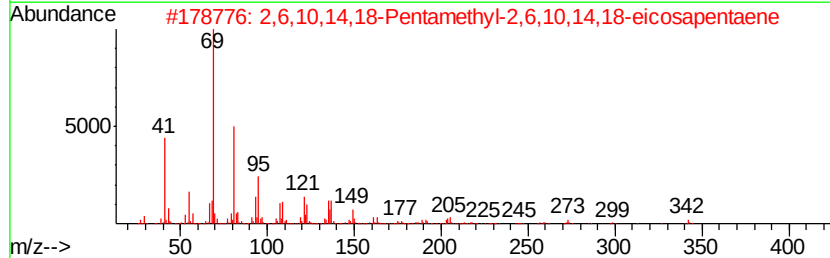
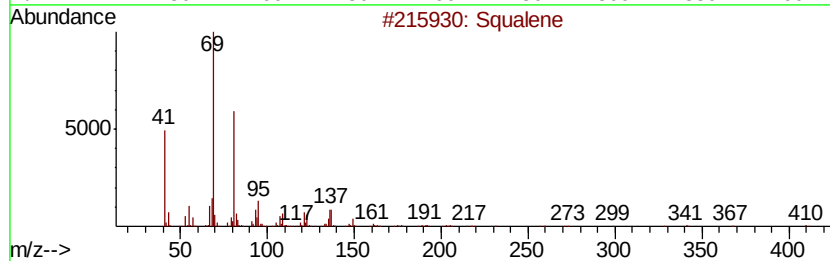
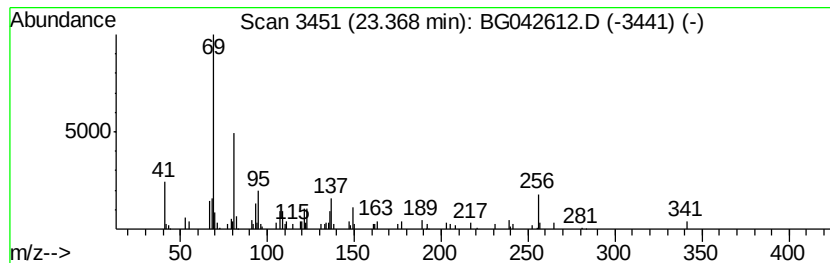
Instrument :  
BNA\_G  
ClientSampleId :  
SB-4-28-30

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

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Peak Number 6 Squalene Concentration Rank 6

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.      |
|---------|-------------------------------------|--------------|------------------|-----------|
| 23.37   | 2.06 ng                             | 78290        | Perylene-d12     | 24.92     |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Squalene                            | 410 C30H50   | 000111-02-4      | 86        |
| 2       | 2,6,10,14,18-Pentamethyl-2,6,10,... | 342 C25H42   | 075581-03-2      | 83        |
| 3       | Docosa-2,6,10,14,18-pentaen-22-a... | 384 C27H44O  | 1000163-04-7     | 72        |
| 4       | 7,11-Dimethyldodeca-2,6,10-trien... | 208 C14H24O  | 125529-10-4      | 64        |
| 5       | 6,11-Dimethyl-2,6,10-dodecatrien... | 208 C14H24O  | 1000196-53-3     | 59        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG083019\  
Data File : BG042612.D  
Acq On : 30 Aug 2019 22:33  
Operator : HP/JU  
Sample : K4618-13  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SB-4-28-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG082219.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 |
| unknown7.53      | 7.53  | 96.7    | ng    | 813992   | 1                     | 8.00  | 168356 | 20.0 |
| Cycloeicosane    | 21.32 | 5.3     | ng    | 177186   | 5                     | 21.68 | 669002 | 20.0 |
| Eicosane         | 22.49 | 2.2     | ng    | 74613    | 5                     | 21.68 | 669002 | 20.0 |
| Heptadecane      | 23.19 | 2.3     | ng    | 77662    | 5                     | 21.68 | 669002 | 20.0 |
| Squalene         | 23.37 | 2.1     | ng    | 78290    | 6                     | 24.92 | 758896 | 20.0 |