

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF082619\  
 Data File : BF116569.D  
 Acq On : 26 Aug 2019 12:45  
 Operator : HP/JU  
 Sample : PB122490BL  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB122490BL

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:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF082319.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         | 2.287       | 23            | 34          | 39           | rVB      | 237987         | 374886        | 7.64%           | 1.038%        |
| 2         | 5.516       | 577           | 583         | 586          | rBV      | 3171757        | 3381307       | 68.90%          | 9.366%        |
| 3         | 6.510       | 746           | 752         | 755          | rBV      | 2954278        | 3555746       | 72.45%          | 9.849%        |
| 4         | 6.657       | 771           | 777         | 780          | rBV      | 3515732        | 3634288       | 74.05%          | 10.067%       |
| 5         | 6.880       | 811           | 815         | 819          | rVB      | 941341         | 763670        | 15.56%          | 2.115%        |
| 6         | 7.039       | 838           | 842         | 845          | rBV      | 3109032        | 2899814       | 59.08%          | 8.032%        |
| 7         | 7.439       | 904           | 910         | 913          | rBV      | 2154317        | 2337254       | 47.62%          | 6.474%        |
| 8         | 8.163       | 1028          | 1033        | 1036         | rBV      | 1089299        | 992747        | 20.23%          | 2.750%        |
| 9         | 9.239       | 1209          | 1216        | 1219         | rBV      | 4353385        | 4545324       | 92.61%          | 12.590%       |
| 10        | 9.916       | 1325          | 1331        | 1334         | rBV      | 1264806        | 1188555       | 24.22%          | 3.292%        |
| 11        | 10.704      | 1458          | 1465        | 1468         | rBV      | 2534859        | 2712849       | 55.28%          | 7.514%        |
| 12        | 11.398      | 1577          | 1583        | 1586         | rBV      | 1374925        | 1238165       | 25.23%          | 3.430%        |
| 13        | 12.986      | 1845          | 1853        | 1856         | rBV      | 4994054        | 4907883       | 100.00%         | 13.594%       |
| 14        | 14.027      | 2026          | 2030        | 2034         | rBV      | 1159593        | 1085040       | 22.11%          | 3.005%        |
| 15        | 14.504      | 2106          | 2111        | 2116         | rBV      | 107841         | 120900        | 2.46%           | 0.335%        |
| 16        | 14.815      | 2158          | 2164        | 2171         | rBV      | 222184         | 230458        | 4.70%           | 0.638%        |
| 17        | 15.156      | 2216          | 2222        | 2231         | rBV      | 278040         | 322664        | 6.57%           | 0.894%        |
| 18        | 15.498      | 2274          | 2280        | 2284         | rBV      | 734085         | 922833        | 18.80%          | 2.556%        |
| 19        | 15.539      | 2284          | 2287        | 2300         | rVB      | 262888         | 355073        | 7.23%           | 0.984%        |
| 20        | 15.980      | 2354          | 2362        | 2370         | rBV      | 192867         | 300135        | 6.12%           | 0.831%        |
| 21        | 16.492      | 2442          | 2449        | 2457         | rBV2     | 93030          | 168074        | 3.42%           | 0.466%        |
| 22        | 17.086      | 2544          | 2550        | 2558         | rVB2     | 31031          | 65066         | 1.33%           | 0.180%        |

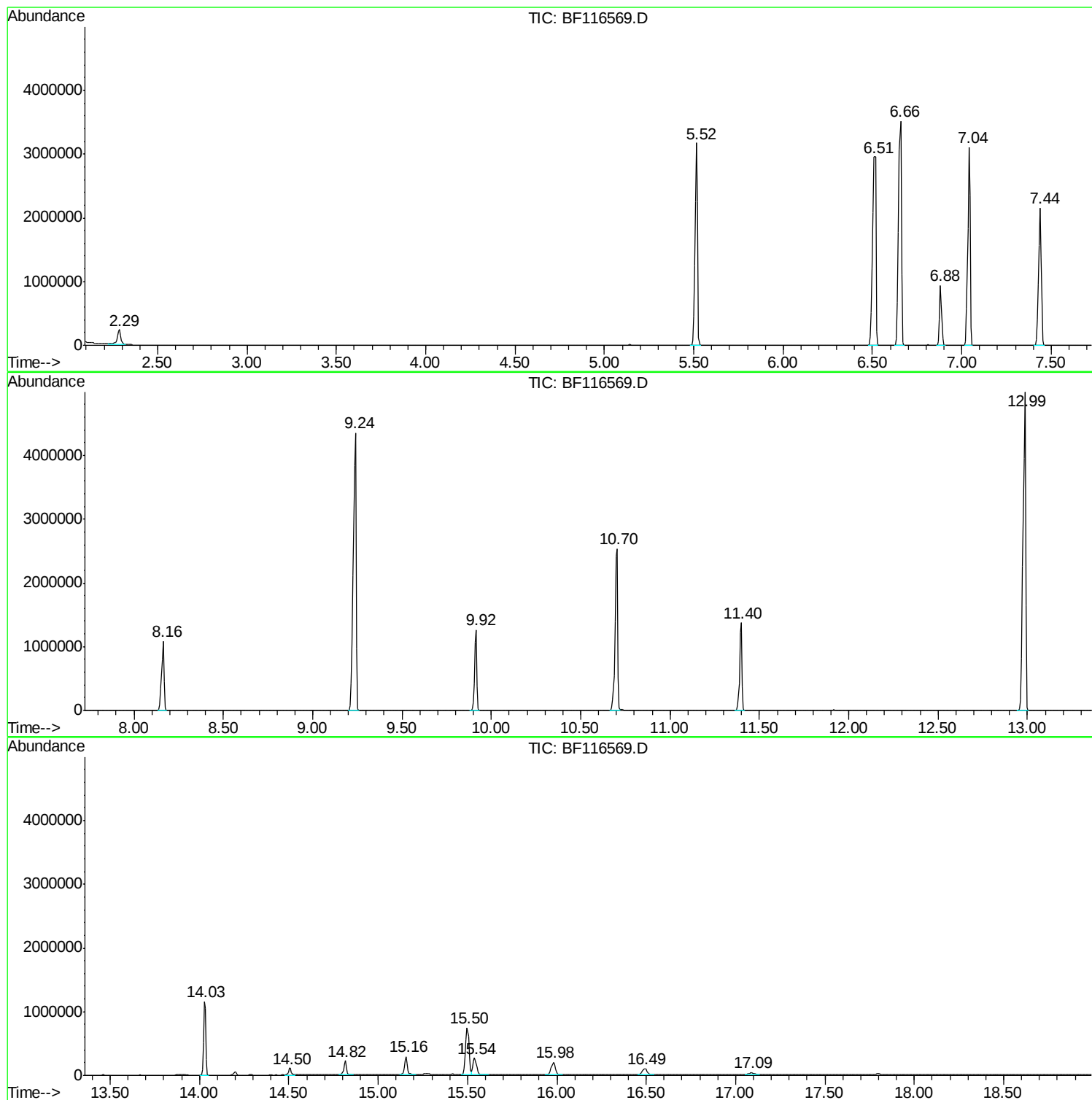
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Misc :  
ALS Vial : 6 Sample Multiplier: 1

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ClientSampleId :  
PB122490BL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.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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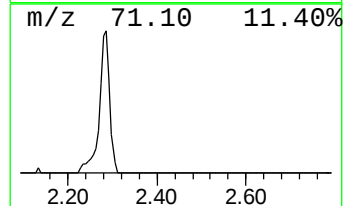
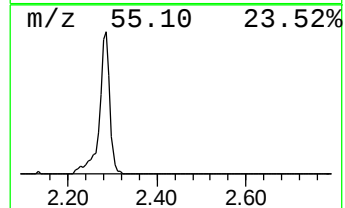
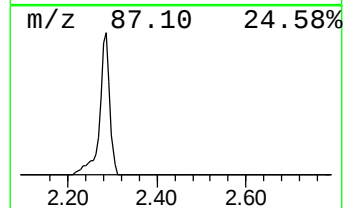
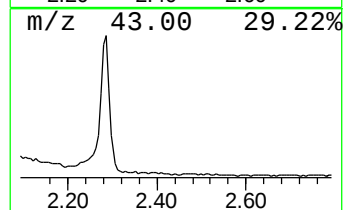
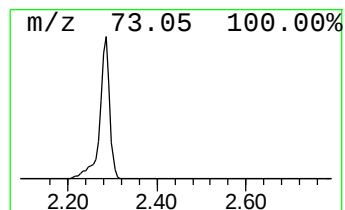
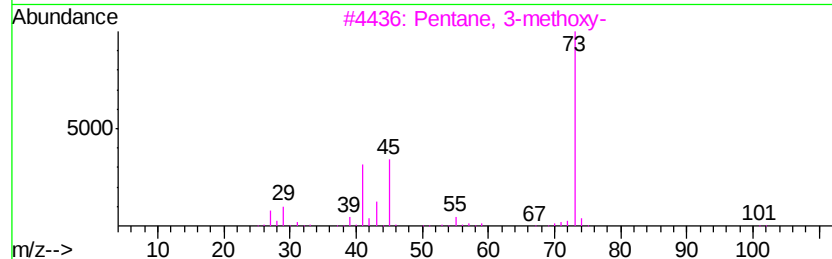
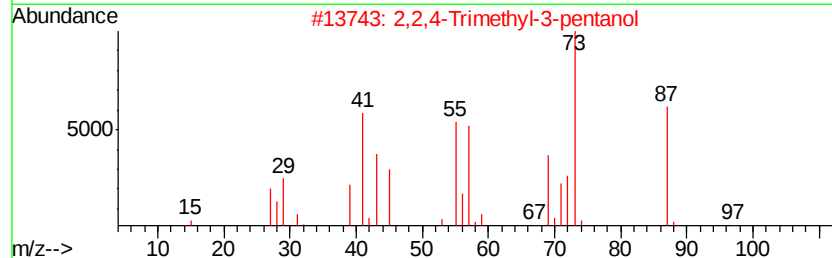
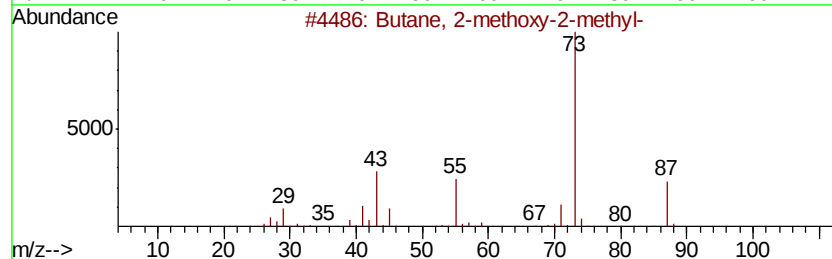
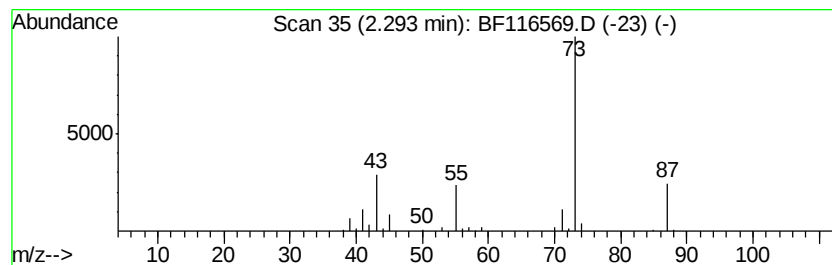
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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. |
|------|---------|--------|------------------------|------|
| 2.29 | 9.82 ng | 374886 | 1,4-Dichlorobenzene-d4 | 6.88 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    |   | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 40   |
| 3    |    |   | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 23   |
| 4    |    |   | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 17   |
| 5    |    |   | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 9    |



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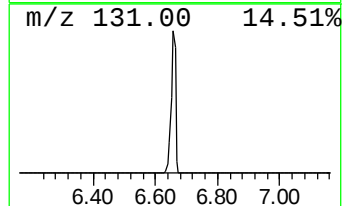
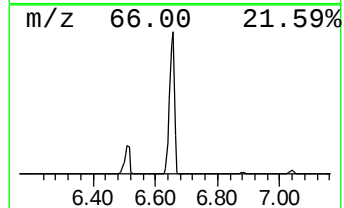
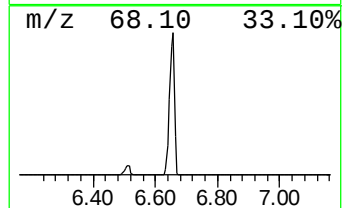
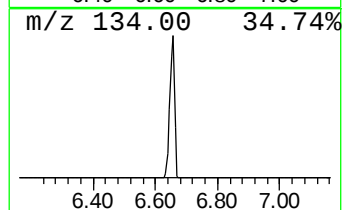
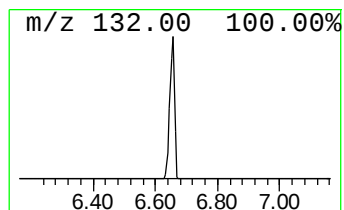
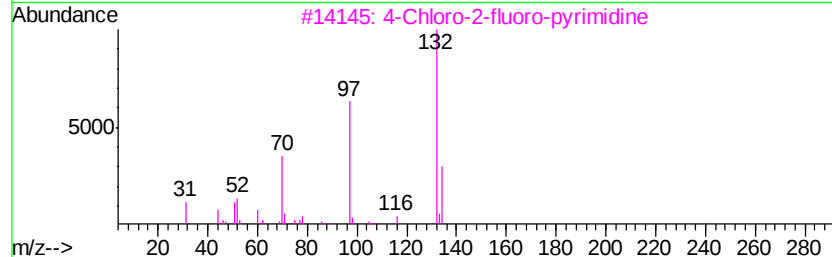
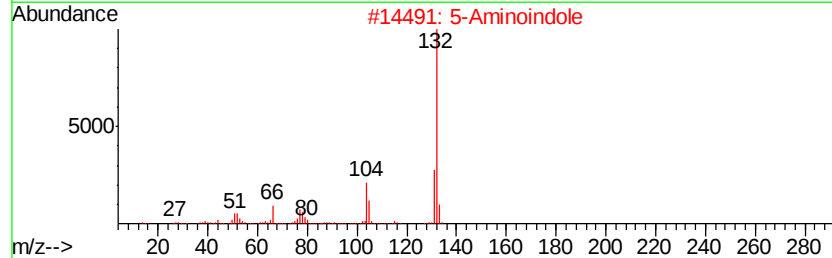
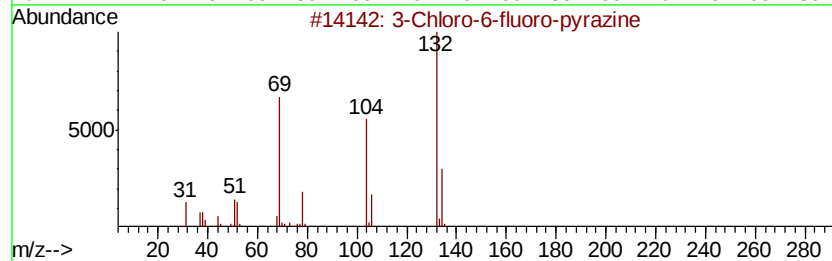
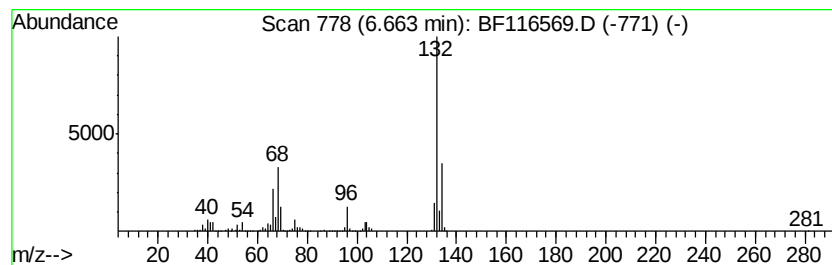
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 unknown6.66 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.66 | 95.18 ng | 3634290 | 1,4-Dichlorobenzene-d4 | 6.88 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 12   |
| 3    |    | 4-Chloro-2-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-00-5  | 9    |
| 4    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 5    |    | Benzene, 1-ethenyl-3,5-dimethyl-    | 132 | C10H12    | 005379-20-4  | 9    |



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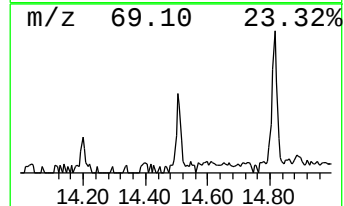
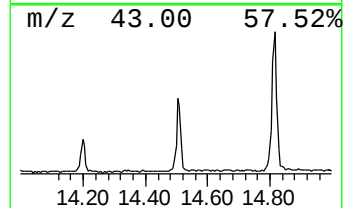
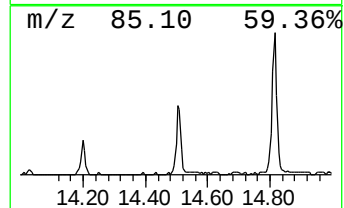
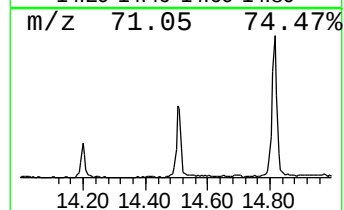
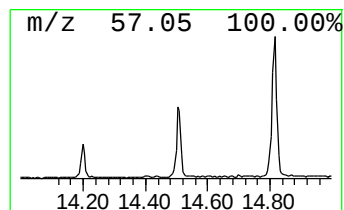
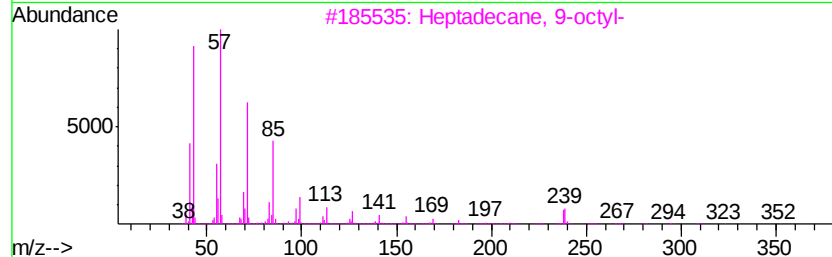
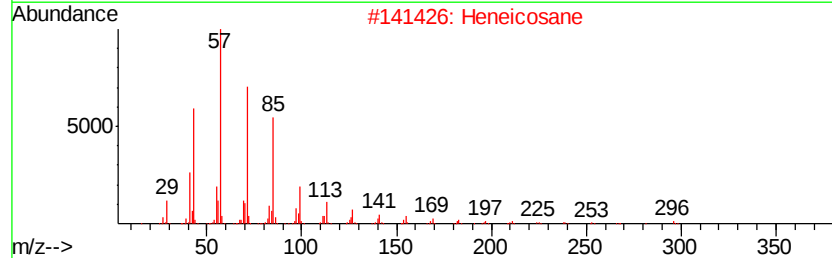
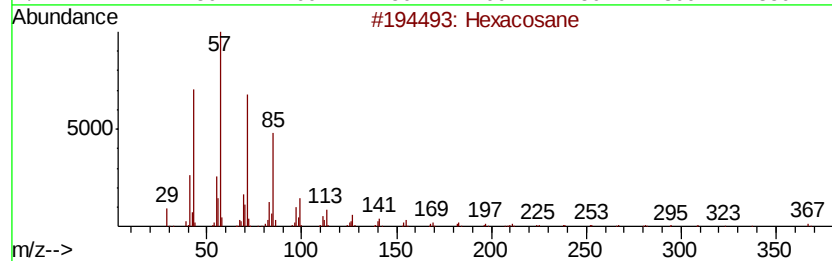
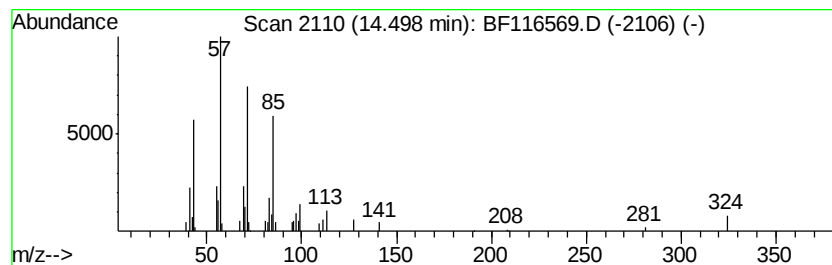
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Hexacosane Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.50 | 2.23 ng | 120900 | Chrysene-d12     | 14.03 |

| Hit# of | 5                                | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|----------------------------------|--------------|-----|---------|-------------|------|
| 1       | Hexacosane                       |              | 366 | C26H54  | 000630-01-3 | 91   |
| 2       | Heneicosane                      |              | 296 | C21H44  | 000629-94-7 | 91   |
| 3       | Heptadecane, 9-octyl-            |              | 352 | C25H52  | 007225-64-1 | 91   |
| 4       | Heptacosane                      |              | 380 | C27H56  | 000593-49-7 | 90   |
| 5       | Heneicosane, 11-(1-ethylpropyl)- |              | 366 | C26H54  | 055282-11-6 | 90   |



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Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

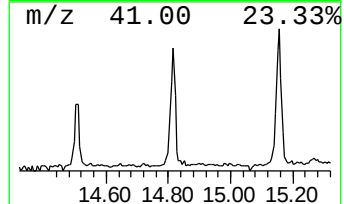
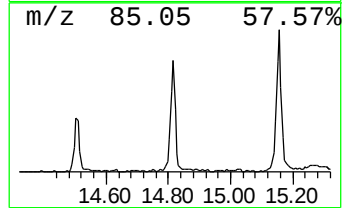
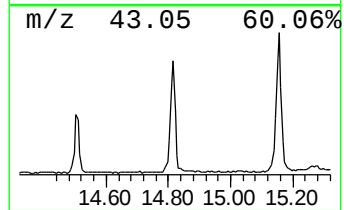
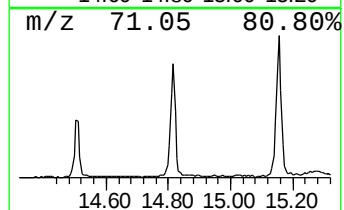
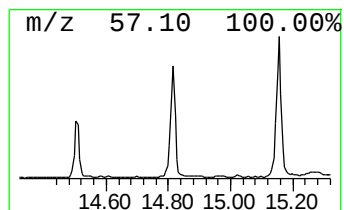
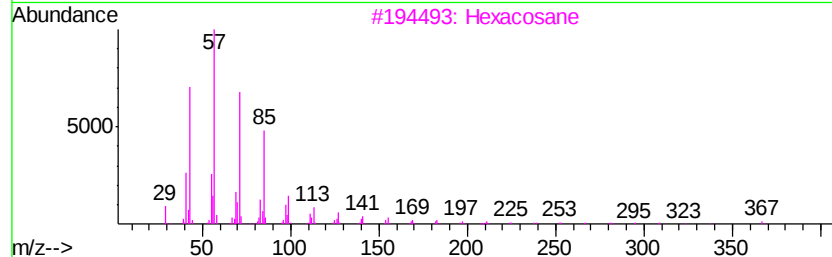
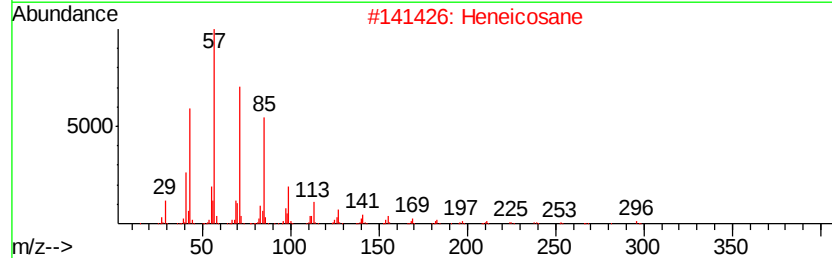
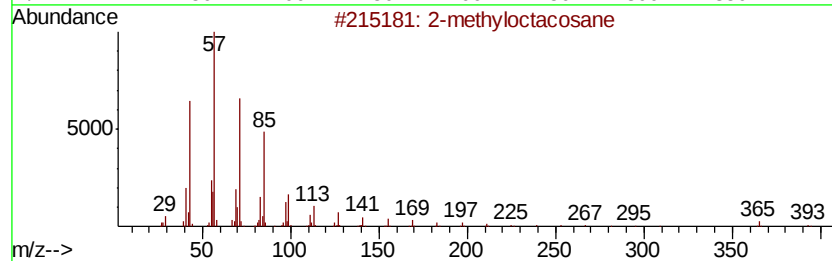
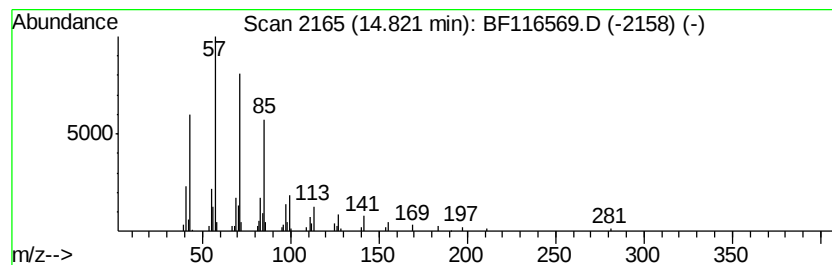
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 2-methyloctacosane Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD |  | R.T.  |
|-------|---------|--------|------------------|--|-------|
| 14.82 | 4.99 ng | 230458 | Perylene-d12     |  | 15.50 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#         | Qual |
|------|----|---|-----------------------|-----|---------|--------------|------|
| 1    |    |   | 2-methyloctacosane    | 408 | C29H60  | 1000376-72-8 | 91   |
| 2    |    |   | Heneicosane           | 296 | C21H44  | 000629-94-7  | 91   |
| 3    |    |   | Hexacosane            | 366 | C26H54  | 000630-01-3  | 91   |
| 4    |    |   | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1  | 91   |
| 5    |    |   | Hexadecane            | 226 | C16H34  | 000544-76-3  | 86   |



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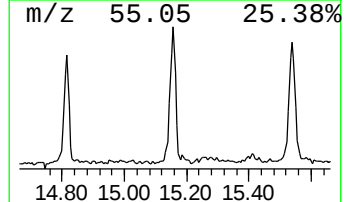
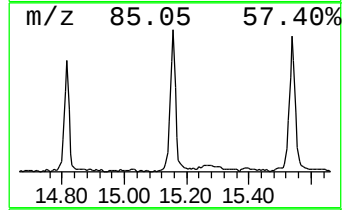
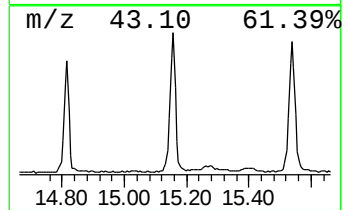
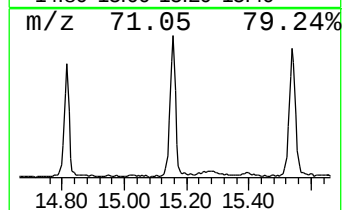
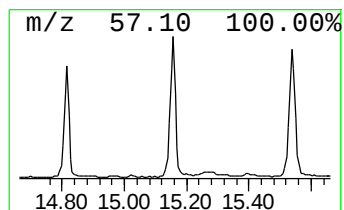
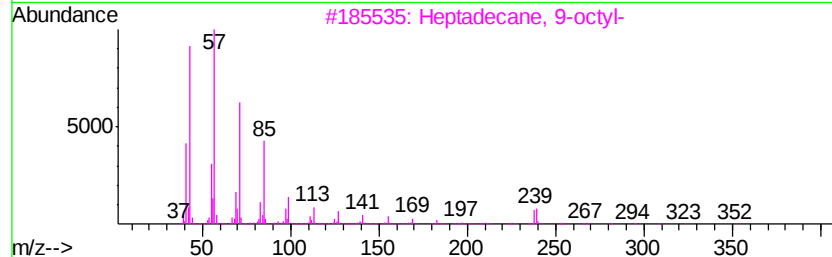
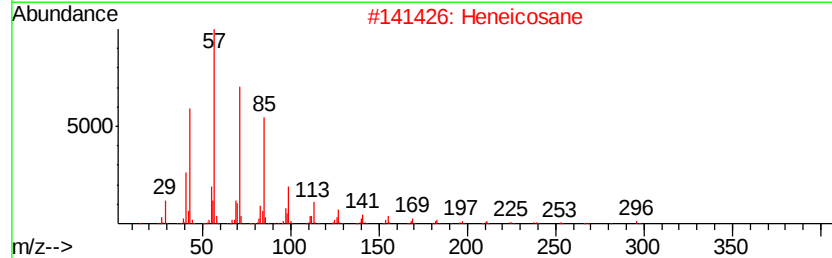
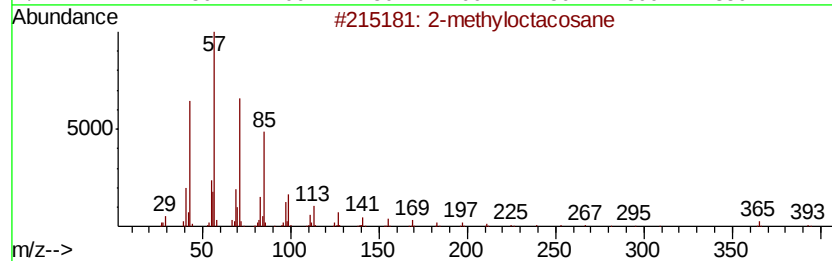
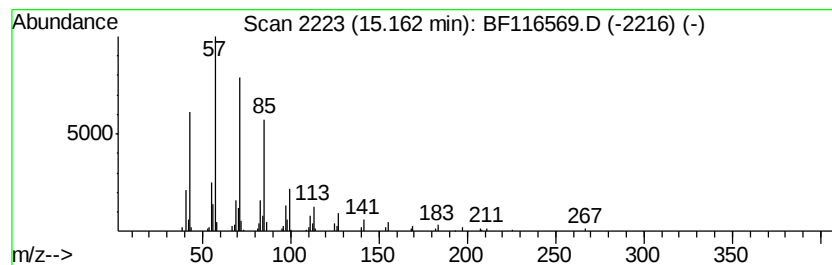
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 6 Heneicosane Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.16 | 6.99 ng | 322664 | Perylene-d12     | 15.50 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#         | Qual |
|------|----|-----------------------|-----|---------|--------------|------|
| 1    | 5  | 2-methyloctacosane    | 408 | C29H60  | 1000376-72-8 | 91   |
| 2    |    | Heneicosane           | 296 | C21H44  | 000629-94-7  | 91   |
| 3    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1  | 91   |
| 4    |    | Hexacosane            | 366 | C26H54  | 000630-01-3  | 91   |
| 5    |    | Tetracosane           | 338 | C24H50  | 000646-31-1  | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082619\  
 Data File : BF116569.D  
 Acq On : 26 Aug 2019 12:45  
 Operator : HP/JU  
 Sample : PB122490BL  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB122490BL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

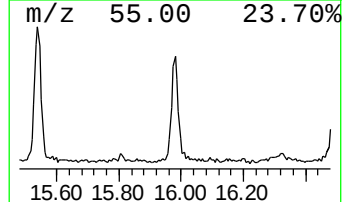
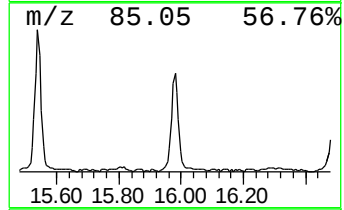
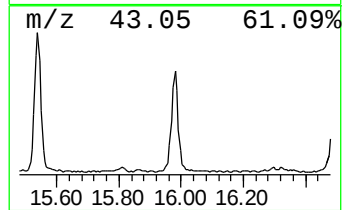
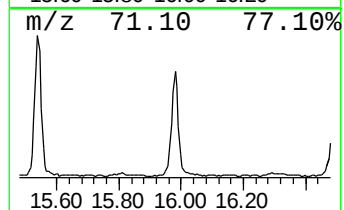
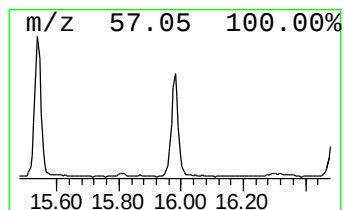
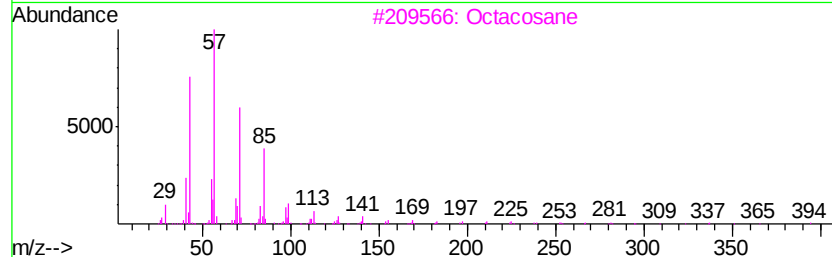
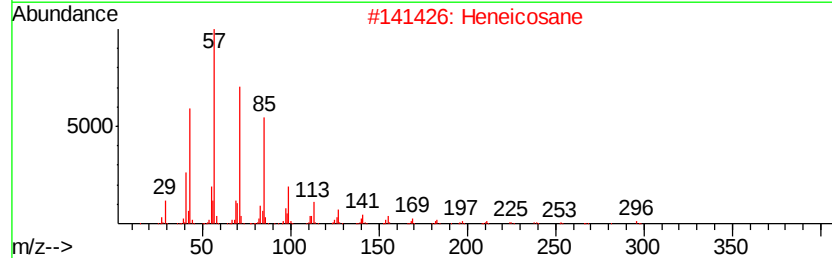
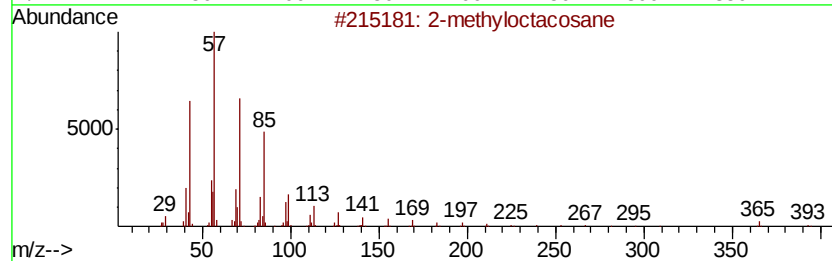
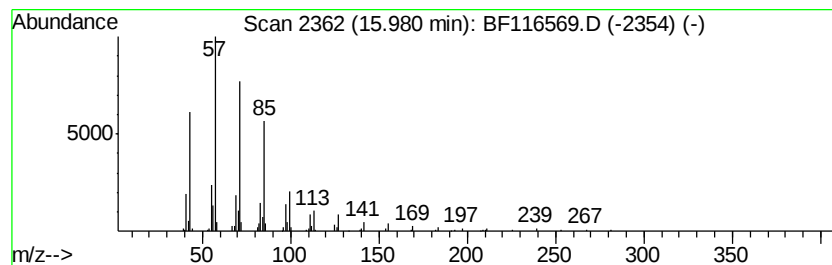
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
 Peak Number 7 Octacosane Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.98 | 6.50 ng | 300135 | Perylene-d12     | 15.50 |

| Hit# of | 5 | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|---------|---|--------------------|-----|---------|--------------|------|
| 1       |   | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 91   |
| 2       |   | Heneicosane        | 296 | C21H44  | 000629-94-7  | 91   |
| 3       |   | Octacosane         | 394 | C28H58  | 000630-02-4  | 90   |
| 4       |   | Hexacosane         | 366 | C26H54  | 000630-01-3  | 90   |
| 5       |   | Eicosane, 7-hexyl- | 366 | C26H54  | 055333-99-8  | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082619\  
Data File : BF116569.D  
Acq On : 26 Aug 2019 12:45  
Operator : HP/JU  
Sample : PB122490BL  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB122490BL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

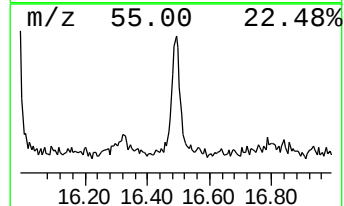
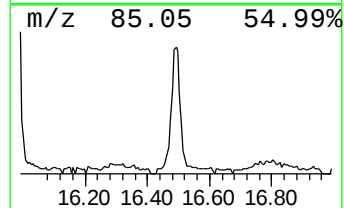
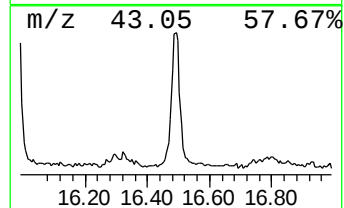
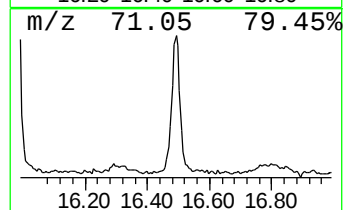
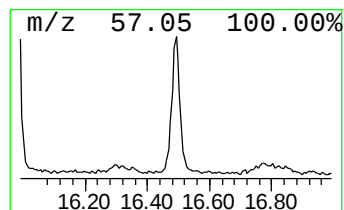
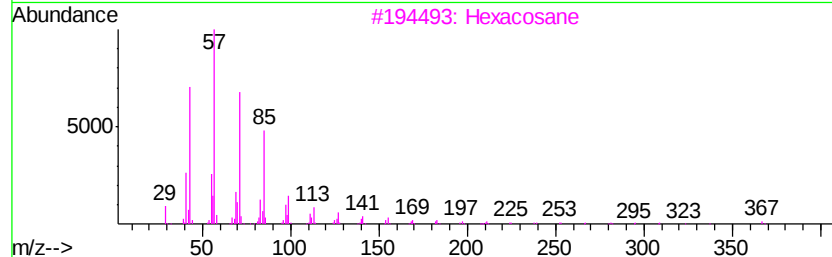
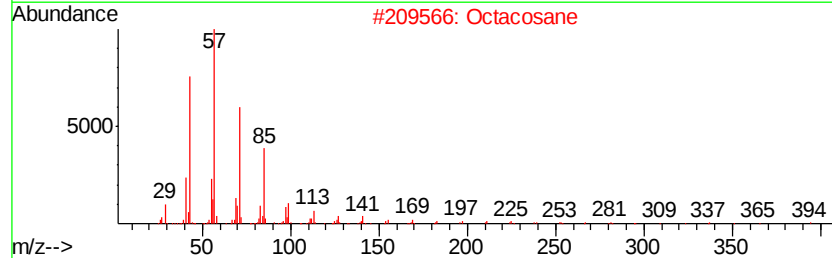
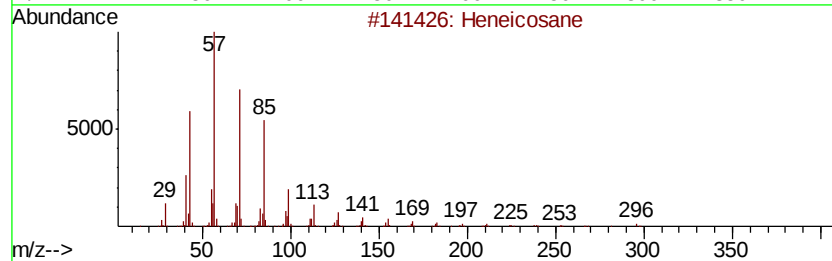
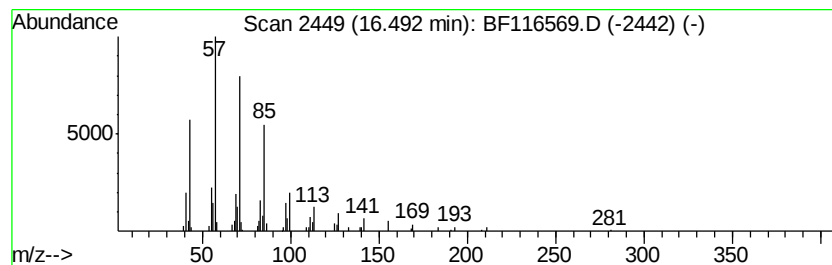
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Heptacosane Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.49 | 3.64 ng | 168074 | Perylene-d12     | 15.50 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane           | 296 | C21H44  | 000629-94-7 | 91   |
| 2    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 91   |
| 3    |    | Hexacosane            | 366 | C26H54  | 000630-01-3 | 91   |
| 4    |    | Heptacosane           | 380 | C27H56  | 000593-49-7 | 91   |
| 5    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF082619\  
Data File : BF116569.D  
Acq On : 26 Aug 2019 12:45  
Operator : HP/JU  
Sample : PB122490BL  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB122490BL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF082319.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... | 2.29  | 9.8     | ng    | 374886   | 1                     | 6.88  | 763670  | 20.0 |
| unknown6.66          | 6.66  | 95.2    | ng    | 3634290  | 1                     | 6.88  | 763670  | 20.0 |
| Hexacosane           | 14.50 | 2.2     | ng    | 120900   | 5                     | 14.03 | 1085040 | 20.0 |
| 2-methyloctacosane   | 14.82 | 5.0     | ng    | 230458   | 6                     | 15.50 | 922833  | 20.0 |
| Heneicosane          | 15.16 | 7.0     | ng    | 322664   | 6                     | 15.50 | 922833  | 20.0 |
| Octacosane           | 15.98 | 6.5     | ng    | 300135   | 6                     | 15.50 | 922833  | 20.0 |
| Heptacosane          | 16.49 | 3.6     | ng    | 168074   | 6                     | 15.50 | 922833  | 20.0 |