

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012920\  
 Data File : BF118732.D  
 Acq On : 29 Jan 2020 15:36  
 Operator : CG/JU  
 Sample : L1289-29  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-35-34-COMP

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\_F\METHODS\8270-BF012020.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         | 2.175       | 8             | 15          | 24           | rVB      | 906773         | 1232016       | 15.10%          | 1.995%        |
| 2         | 5.475       | 570           | 576         | 579          | rBV      | 5462046        | 5504889       | 67.47%          | 8.913%        |
| 3         | 6.475       | 740           | 746         | 749          | rBV      | 5140132        | 5702450       | 69.89%          | 9.233%        |
| 4         | 6.845       | 805           | 809         | 813          | rBV      | 2019462        | 1754231       | 21.50%          | 2.840%        |
| 5         | 7.004       | 831           | 836         | 839          | rBV      | 5341348        | 4905365       | 60.12%          | 7.943%        |
| 6         | 7.404       | 898           | 904         | 907          | rBV      | 3630801        | 3771592       | 46.22%          | 6.107%        |
| 7         | 8.128       | 1022          | 1027        | 1031         | rBV      | 2536516        | 2336008       | 28.63%          | 3.782%        |
| 8         | 9.204       | 1204          | 1210        | 1213         | rBV      | 7411454        | 7535036       | 92.35%          | 12.200%       |
| 9         | 9.592       | 1271          | 1276        | 1279         | rBV      | 796496         | 655070        | 8.03%           | 1.061%        |
| 10        | 9.881       | 1319          | 1325        | 1329         | rBV      | 3074389        | 2899109       | 35.53%          | 4.694%        |
| 11        | 10.669      | 1453          | 1459        | 1462         | rBV      | 5623667        | 5211656       | 63.87%          | 8.438%        |
| 12        | 11.363      | 1572          | 1577        | 1581         | rBV      | 3231225        | 3059352       | 37.50%          | 4.954%        |
| 13        | 11.592      | 1612          | 1616        | 1624         | rBV      | 203182         | 216897        | 2.66%           | 0.351%        |
| 14        | 11.892      | 1661          | 1667        | 1671         | rBV      | 589635         | 553633        | 6.79%           | 0.896%        |
| 15        | 12.145      | 1707          | 1710        | 1714         | rVB      | 388082         | 316509        | 3.88%           | 0.512%        |
| 16        | 12.674      | 1797          | 1800        | 1813         | rBV2     | 110384         | 125855        | 1.54%           | 0.204%        |
| 17        | 12.951      | 1841          | 1847        | 1850         | rBV      | 8486820        | 8159359       | 100.00%         | 13.211%       |
| 18        | 13.845      | 1995          | 1999        | 2011         | rBV2     | 348771         | 475002        | 5.82%           | 0.769%        |
| 19        | 13.998      | 2019          | 2025        | 2029         | rBV      | 2685568        | 2666841       | 32.68%          | 4.318%        |
| 20        | 14.168      | 2051          | 2054        | 2061         | rVB      | 97564          | 84757         | 1.04%           | 0.137%        |
| 21        | 14.474      | 2102          | 2106        | 2115         | rBV      | 148130         | 169393        | 2.08%           | 0.274%        |
| 22        | 14.780      | 2155          | 2158        | 2162         | rVB      | 130675         | 133535        | 1.64%           | 0.216%        |
| 23        | 14.857      | 2166          | 2171        | 2179         | rVB      | 1406717        | 1509680       | 18.50%          | 2.444%        |
| 24        | 15.115      | 2211          | 2215        | 2220         | rBV      | 144740         | 177088        | 2.17%           | 0.287%        |
| 25        | 15.457      | 2267          | 2273        | 2277         | rBV      | 1716973        | 2083186       | 25.53%          | 3.373%        |
| 26        | 15.492      | 2277          | 2279        | 2286         | rVB      | 130613         | 148694        | 1.82%           | 0.241%        |
| 27        | 15.927      | 2348          | 2353        | 2357         | rBV      | 90949          | 137740        | 1.69%           | 0.223%        |
| 28        | 16.339      | 2418          | 2423        | 2429         | rBV9     | 43808          | 88685         | 1.09%           | 0.144%        |
| 29        | 16.427      | 2434          | 2438        | 2450         | rVB3     | 74047          | 147065        | 1.80%           | 0.238%        |

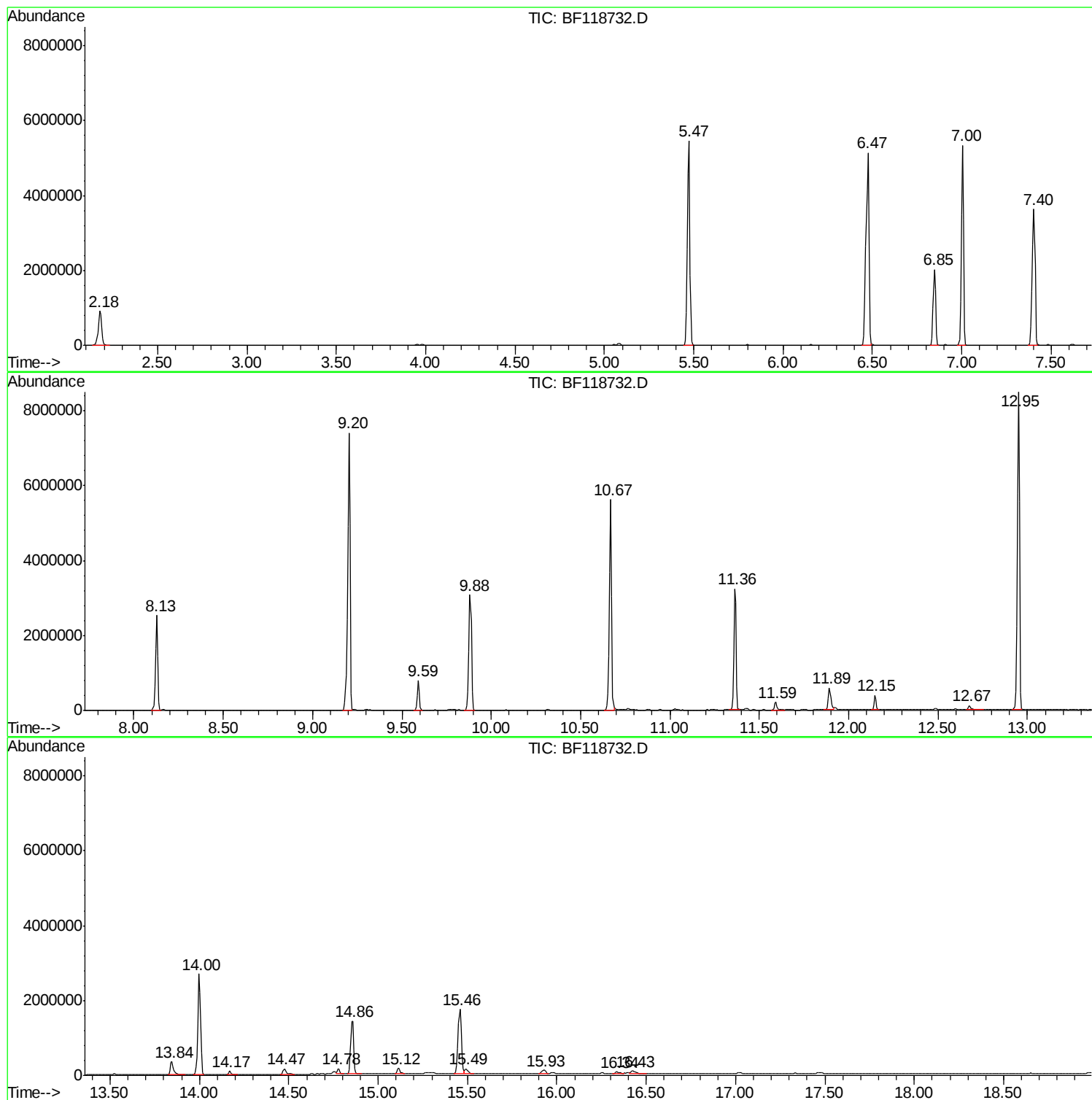
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TP-35-34-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.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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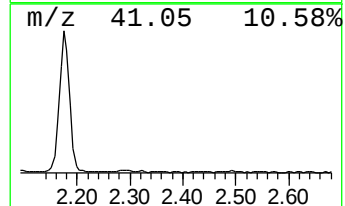
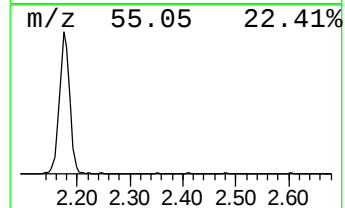
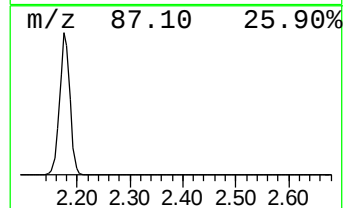
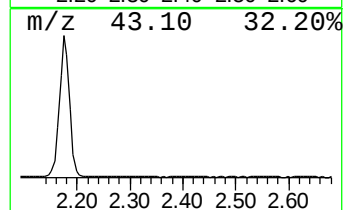
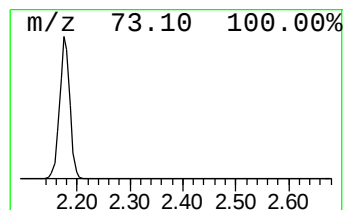
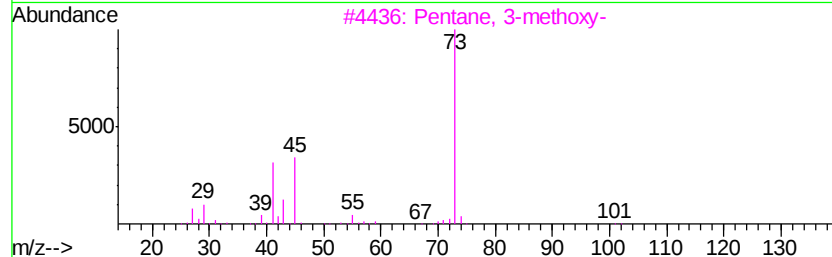
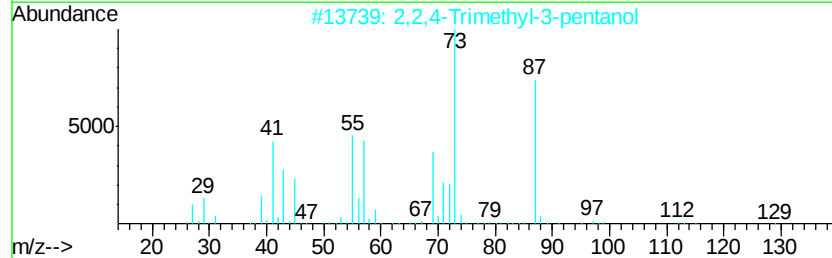
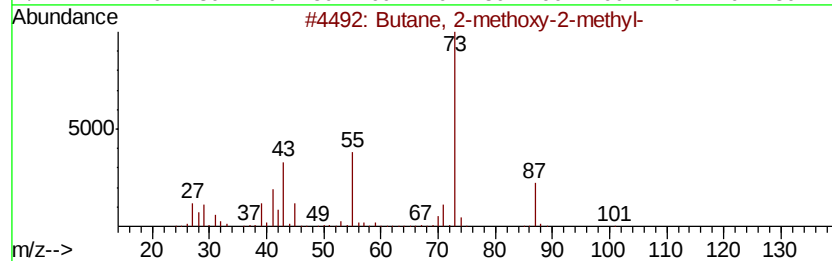
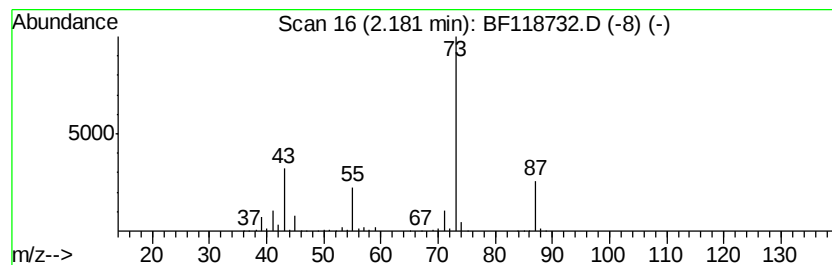
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 2.18 | 14.05 ng | 1232020 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|---------|---|-----------------------------|-----|---------|-------------|------|
| 1       |   | 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       |   | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 23   |
| 4       |   | Borane, dimethoxy-          | 74  | C2H7BO2 | 004542-61-4 | 9    |
| 5       |   | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 9    |



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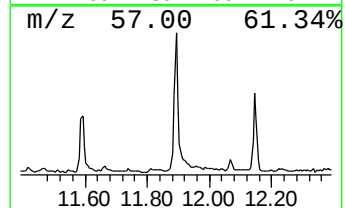
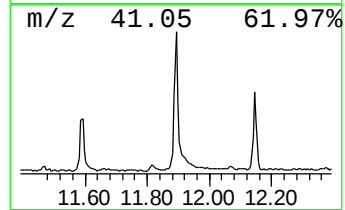
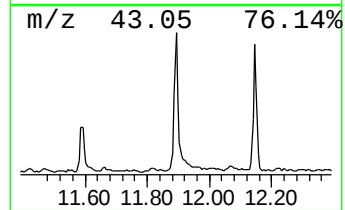
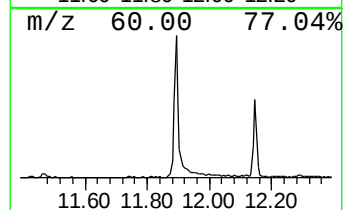
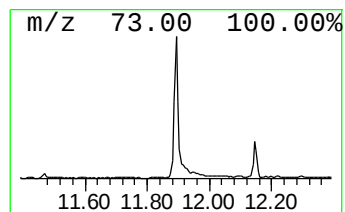
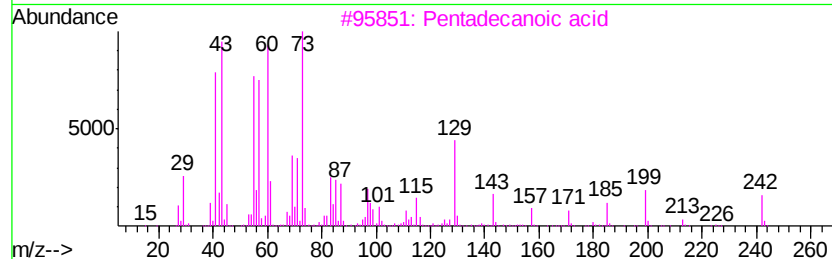
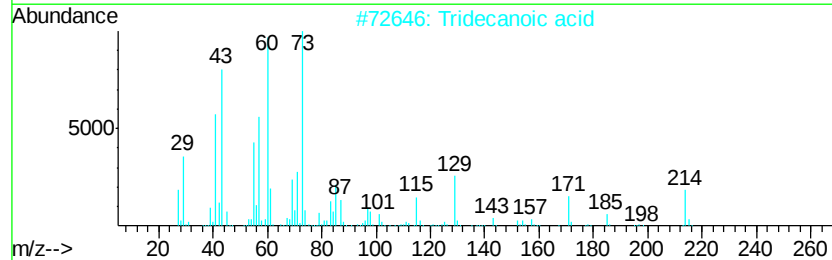
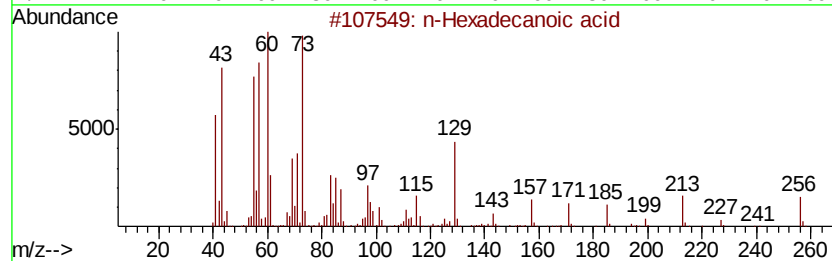
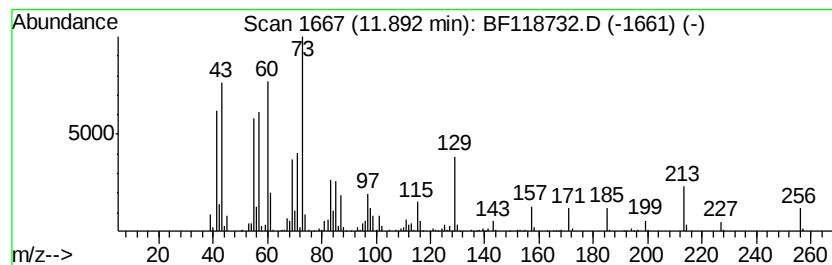
Instrument :  
BNA\_F  
ClientSampleId :  
TP-35-34-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.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 n-Hexadecanoic acid Concentration Rank 4

| R.T.      | EstConc             | Area   | Relative to ISTD |             | R.T.  |
|-----------|---------------------|--------|------------------|-------------|-------|
| 11.89     | 3.62 ng             | 553633 | Phenanthrene-d10 |             | 11.36 |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#        | Qual  |
| 1         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 99    |
| 2         | Tridecanoic acid    | 214    | C13H26O2         | 000638-53-9 | 91    |
| 3         | Pentadecanoic acid  | 242    | C15H30O2         | 001002-84-2 | 81    |
| 4         | n-Decanoic acid     | 172    | C10H20O2         | 000334-48-5 | 76    |
| 5         | Tetradecanoic acid  | 228    | C14H28O2         | 000544-63-8 | 72    |



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Misc :  
ALS Vial : 8 Sample Multiplier: 1

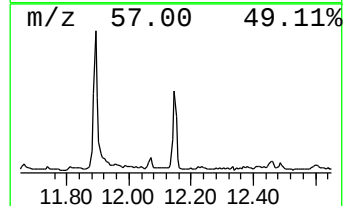
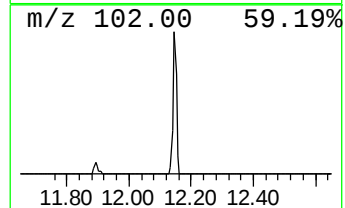
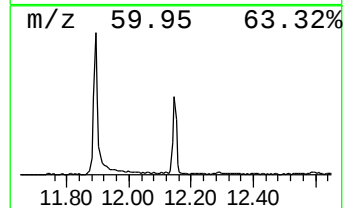
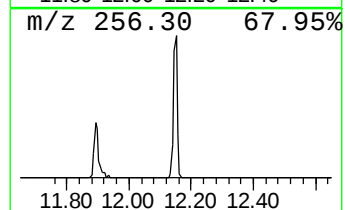
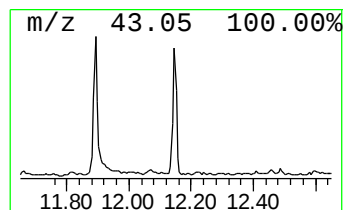
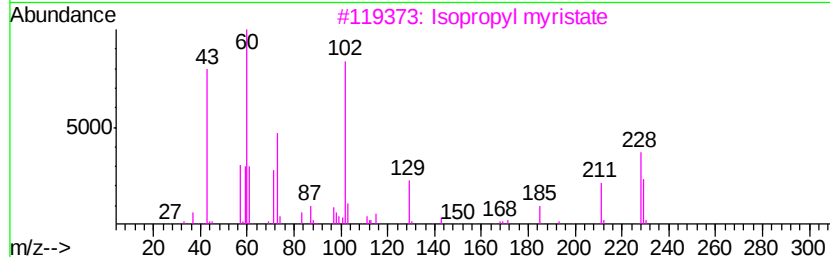
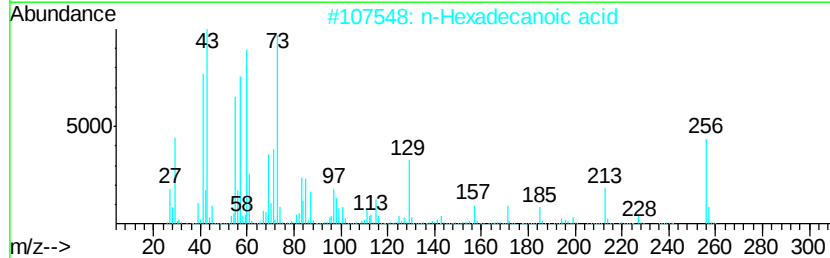
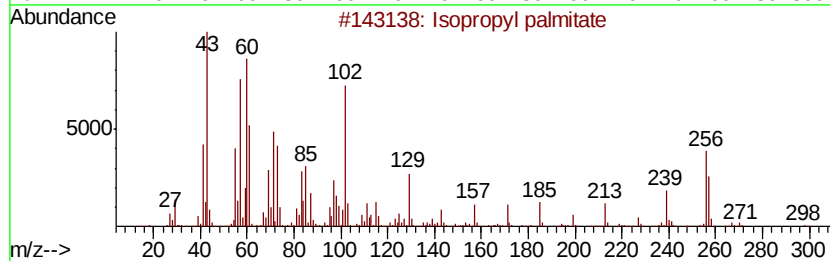
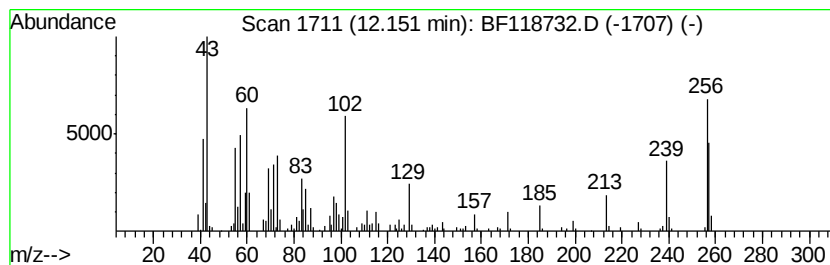
Instrument :  
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Isopropyl palmitate Concentration Rank 6

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 12.15     | 2.07 ng                             | 316509 | Phenanthrene-d10 | 11.36       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Isopropyl palmitate                 | 298    | C19H38O2         | 000142-91-6 | 81   |
| 2         | n-Hexadecanoic acid                 | 256    | C16H32O2         | 000057-10-3 | 70   |
| 3         | Isopropyl myristate                 | 270    | C17H34O2         | 000110-27-0 | 43   |
| 4         | Dodecanoic acid, 1-methylethyl e... | 242    | C15H30O2         | 010233-13-3 | 27   |
| 5         | Urea, N-butyl-N-nitroso-            | 145    | C5H11N3O2        | 000869-01-2 | 12   |



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ALS Vial : 8 Sample Multiplier: 1

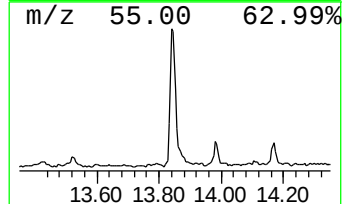
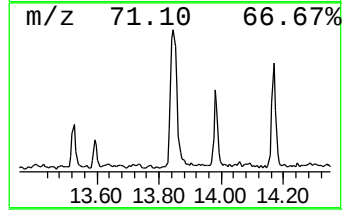
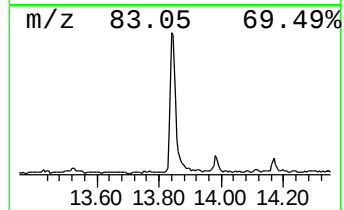
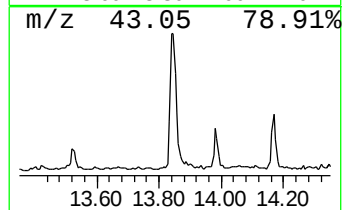
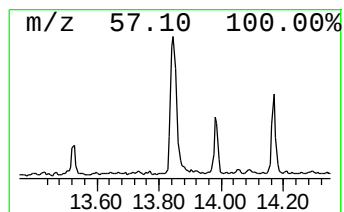
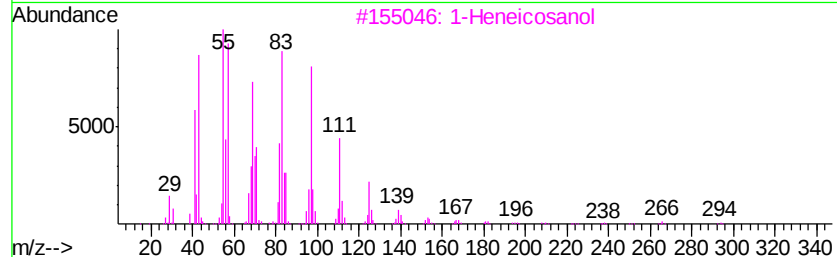
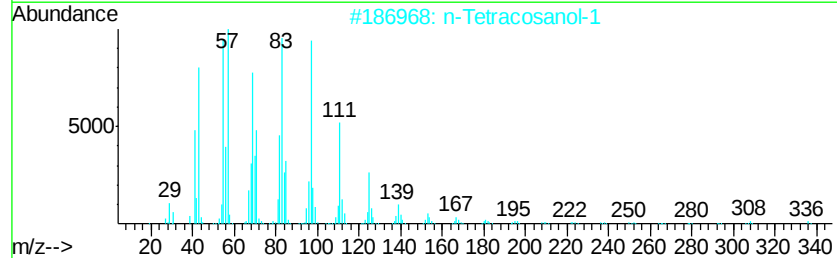
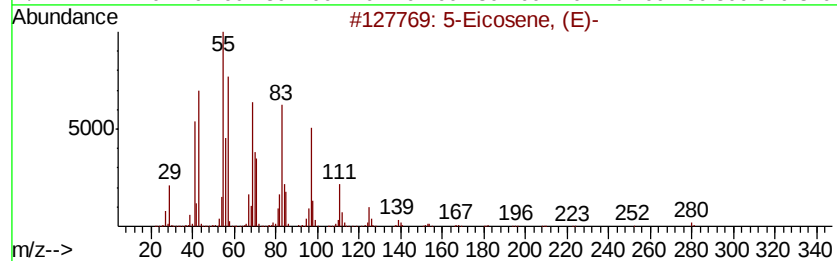
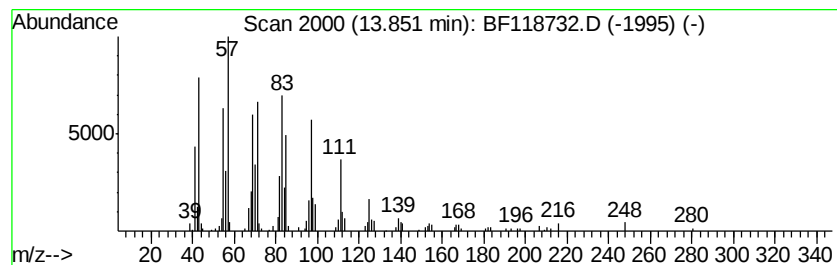
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\*\*\*\*\*  
Peak Number 5 5-Eicosene, (E)- Concentration Rank 5

| R.T.    | EstConc          | Area         | Relative to ISTD | R.T.      |
|---------|------------------|--------------|------------------|-----------|
| 13.85   | 3.56 ng          | 475002       | Chrysene-d12     | 14.00     |
| Hit# of | 5                | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | 5-Eicosene, (E)- | 280 C20H40   | 074685-30-6      | 98        |
| 2       | n-Tetracosanol-1 | 354 C24H50O  | 000506-51-4      | 95        |
| 3       | 1-Heneicosanol   | 312 C21H44O  | 015594-90-8      | 95        |
| 4       | n-Nonadecanol-1  | 284 C19H40O  | 001454-84-8      | 95        |
| 5       | Cyclopentadecane | 210 C15H30   | 000295-48-7      | 93        |



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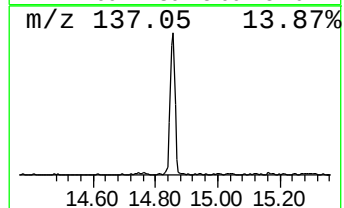
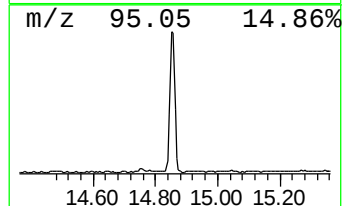
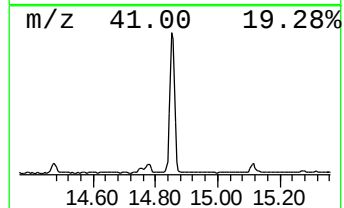
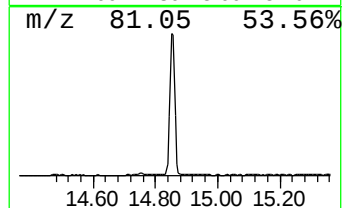
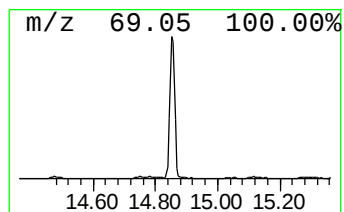
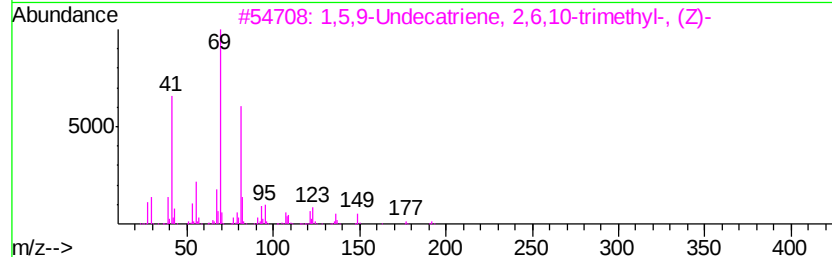
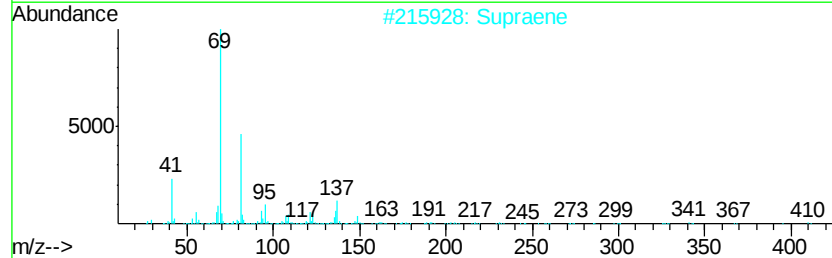
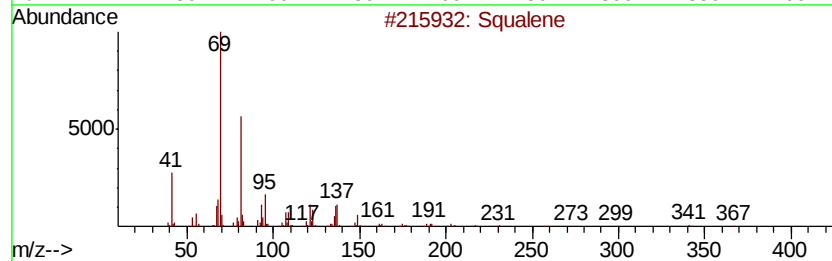
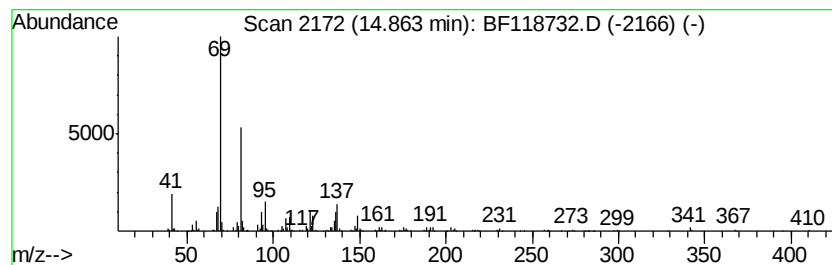
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Squalene Concentration Rank 2

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.      |
|---------|-------------------------------------|--------------|------------------|-----------|
| 14.86   | 14.49 ng                            | 1509680      | Perylene-d12     | 15.46     |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Squalene                            | 410 C30H50   | 000111-02-4      | 94        |
| 2       | Supraene                            | 410 C30H50   | 007683-64-9      | 91        |
| 3       | 1,5,9-Undecatriene, 2,6,10-trime... | 192 C14H24   | 062951-96-6      | 87        |
| 4       | 2,6,10-Dodecatrien-1-ol, 3,7,11-... | 264 C17H28O2 | 004128-17-0      | 64        |
| 5       | 4-Methyl-1,5-Heptadiene             | 110 C8H14    | 000998-94-7      | 52        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF012920\  
Data File : BF118732.D  
Acq On : 29 Jan 2020 15:36  
Operator : CG/JU  
Sample : L1289-29  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-35-34-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF012020.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... | 2.18  | 14.1    | ng    | 1232020  | 1                     | 6.85  | 1754230 | 20.0 |
| n-Hexadecanoic acid  | 11.89 | 3.6     | ng    | 553633   | 4                     | 11.36 | 3059350 | 20.0 |
| Isopropyl palmitate  | 12.15 | 2.1     | ng    | 316509   | 4                     | 11.36 | 3059350 | 20.0 |
| 5-Eicosene, (E)-     | 13.85 | 3.6     | ng    | 475002   | 5                     | 14.00 | 2666840 | 20.0 |
| Squalene             | 14.86 | 14.5    | ng    | 1509680  | 6                     | 15.46 | 2083190 | 20.0 |