

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031519\  
 Data File : BM019191.D  
 Acq On : 15 Mar 2019 18:03  
 Operator : JU/SJ  
 Sample : K1908-05  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 93-94

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\_M\METHODS\8270-BM031119.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         | 5.257       | 379           | 386         | 401          | rBV      | 4052417        | 6087595       | 43.17%          | 7.660%        |
| 2         | 6.840       | 647           | 655         | 671          | rBV      | 4479753        | 7243706       | 51.37%          | 9.114%        |
| 3         | 7.193       | 707           | 715         | 737          | rBV      | 4490980        | 7178040       | 50.91%          | 9.032%        |
| 4         | 7.651       | 787           | 793         | 801          | rBV      | 753040         | 1184790       | 8.40%           | 1.491%        |
| 5         | 7.969       | 840           | 847         | 858          | rBV      | 3075391        | 4783840       | 33.93%          | 6.019%        |
| 6         | 8.822       | 985           | 992         | 1013         | rBV      | 2442492        | 4211551       | 29.87%          | 5.299%        |
| 7         | 10.439      | 1258          | 1267        | 1286         | rBV      | 1062156        | 1823467       | 12.93%          | 2.294%        |
| 8         | 12.922      | 1682          | 1689        | 1713         | rBV      | 7074122        | 10296073      | 73.02%          | 12.955%       |
| 9         | 13.775      | 1827          | 1834        | 1846         | rBV      | 265277         | 443526        | 3.15%           | 0.558%        |
| 10        | 14.310      | 1914          | 1925        | 1941         | rBV2     | 1692227        | 2649729       | 18.79%          | 3.334%        |
| 11        | 15.810      | 2173          | 2180        | 2199         | rBV      | 6003511        | 8629044       | 61.20%          | 10.857%       |
| 12        | 17.063      | 2387          | 2393        | 2399         | rBV2     | 2143603        | 3043298       | 21.58%          | 3.829%        |
| 13        | 17.951      | 2539          | 2544        | 2556         | rBV      | 303125         | 552334        | 3.92%           | 0.695%        |
| 14        | 19.704      | 2836          | 2842        | 2853         | rBV      | 11658447       | 14100413      | 100.00%         | 17.742%       |
| 15        | 20.962      | 3052          | 3056        | 3064         | rBV      | 1172921        | 1404555       | 9.96%           | 1.767%        |
| 16        | 21.262      | 3102          | 3107        | 3119         | rBV      | 2361855        | 3075090       | 21.81%          | 3.869%        |
| 17        | 21.398      | 3127          | 3130        | 3137         | rBV3     | 100281         | 146248        | 1.04%           | 0.184%        |
| 18        | 22.286      | 3279          | 3281        | 3288         | rVB      | 139542         | 159809        | 1.13%           | 0.201%        |
| 19        | 23.497      | 3481          | 3487        | 3500         | rVB      | 1296528        | 2462331       | 17.46%          | 3.098%        |

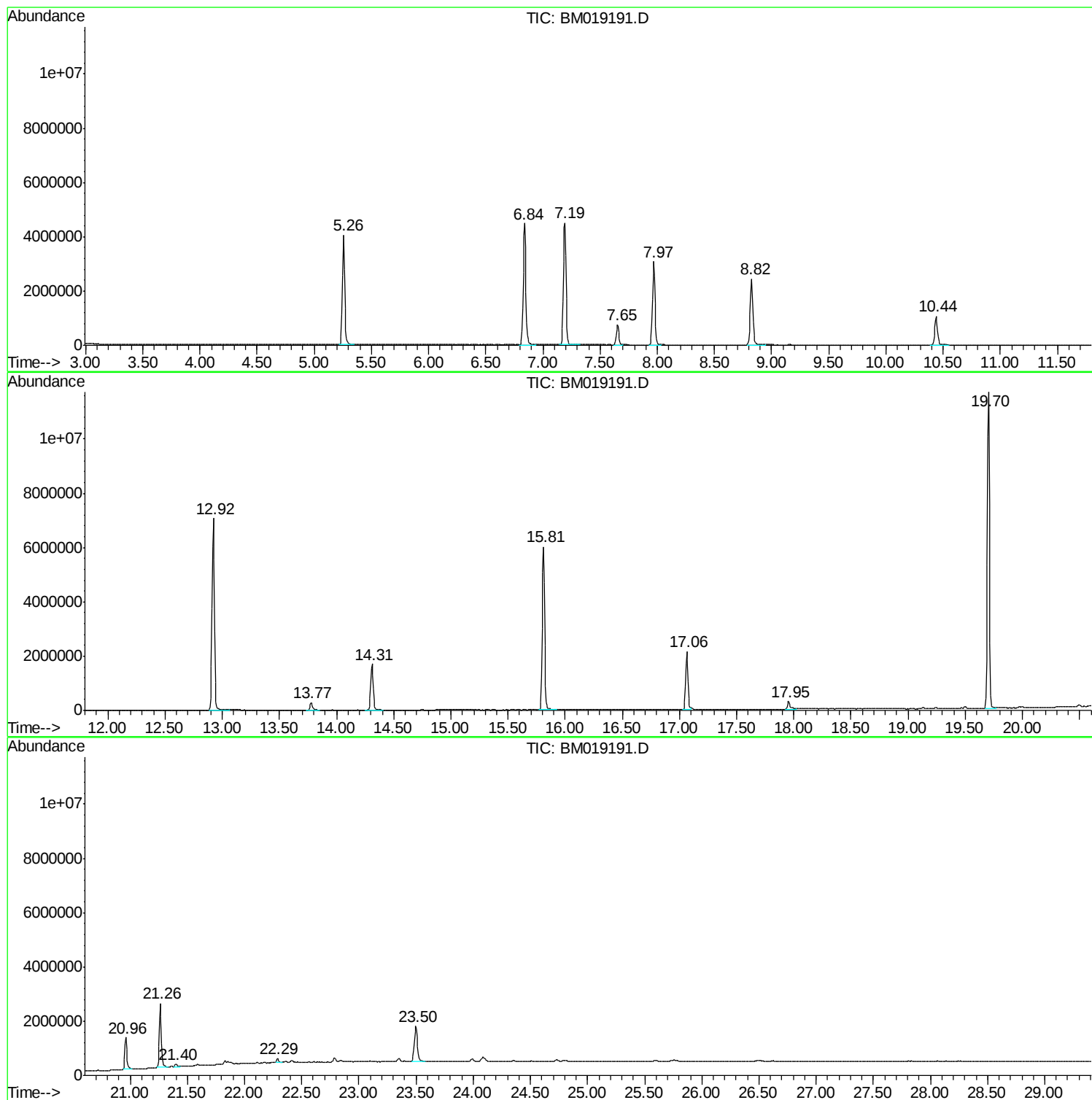
Sum of corrected areas: 79475439

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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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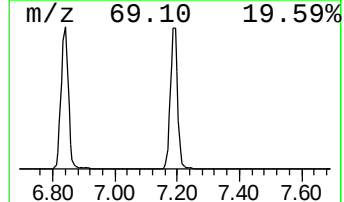
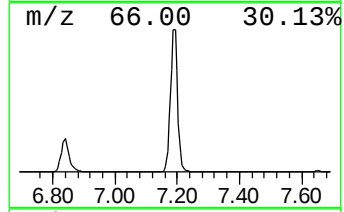
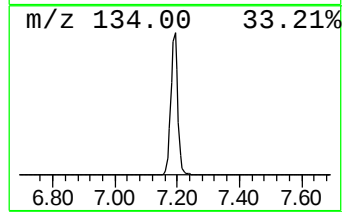
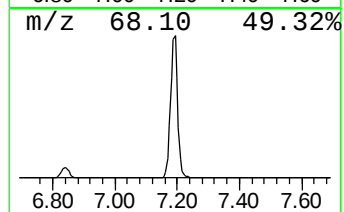
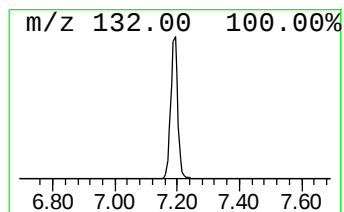
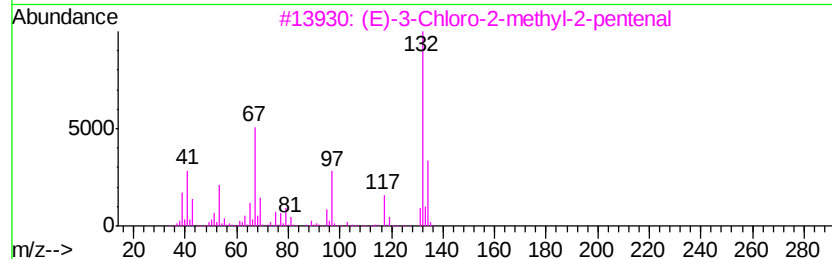
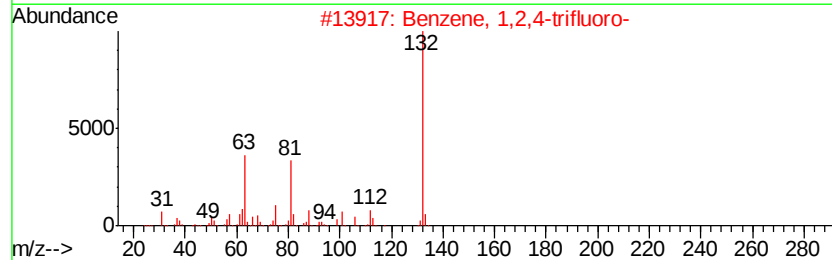
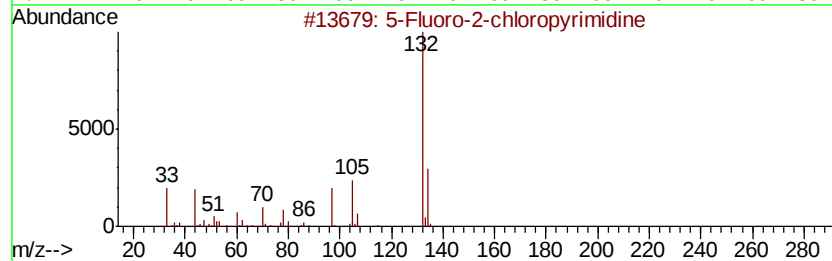
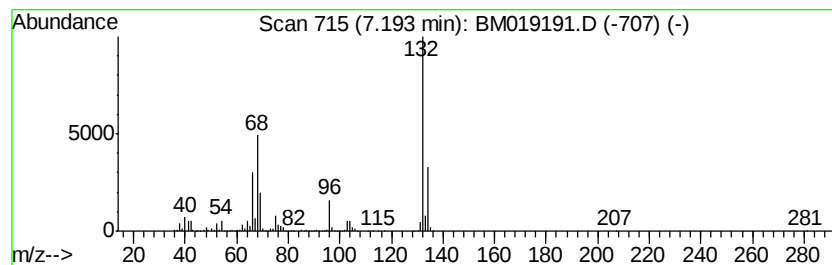
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown7.19 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.19 | 121.17 ng | 7178040 | 1,4-Dichlorobenzene-d4 | 7.65 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|---------|---|-------------------------------------|-----|-----------|-------------|------|
| 1       |   | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0 | 12   |
| 2       |   | Benzene, 1,2,4-trifluoro-           | 132 | C6H3F3    | 000367-23-7 | 9    |
| 3       |   | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3 | 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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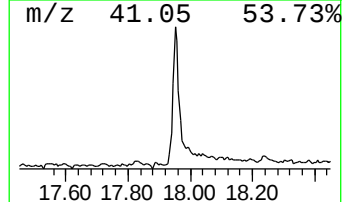
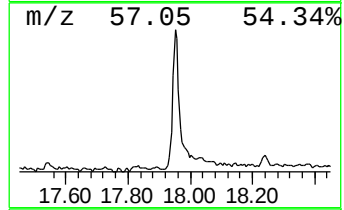
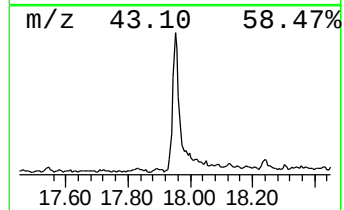
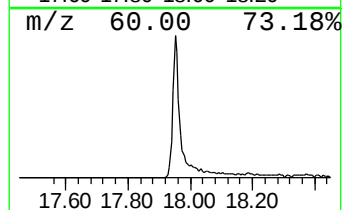
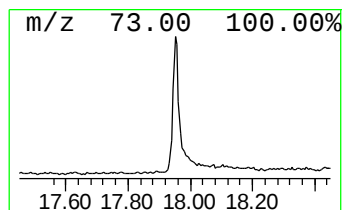
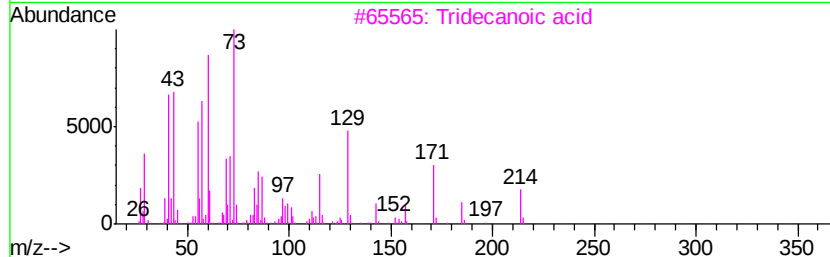
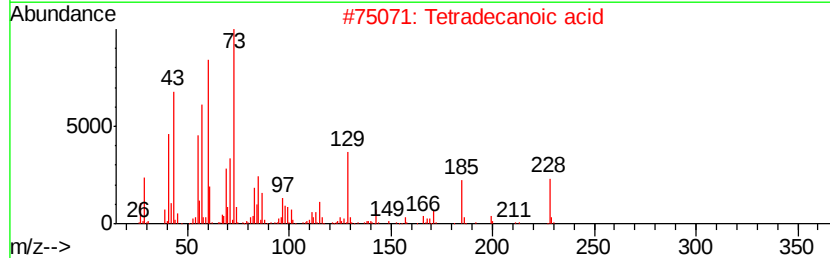
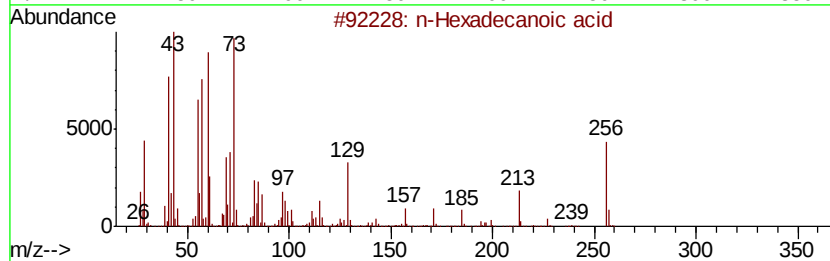
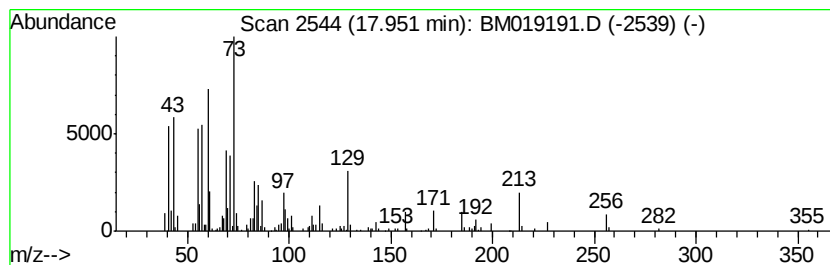
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 17.95 | 3.63 ng | 552334 | Phenanthrene-d10 | 17.06 |

| Hit# | of | Tentative ID           | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------------|-----|----------|-------------|------|
| 1    | 5  | n-Hexadecanoic acid    | 256 | C16H32O2 | 000057-10-3 | 98   |
| 2    |    | Tetradecanoic acid     | 228 | C14H28O2 | 000544-63-8 | 72   |
| 3    |    | Tridecanoic acid       | 214 | C13H26O2 | 000638-53-9 | 64   |
| 4    |    | d-Glucitol, 4-O-nonyl- | 308 | C15H32O6 | 132591-06-1 | 27   |
| 5    |    | Tetradecane            | 198 | C14H30   | 000629-59-4 | 11   |



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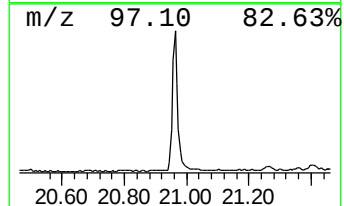
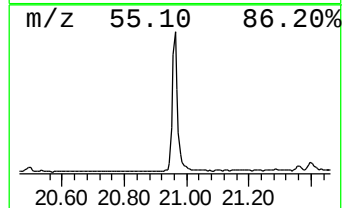
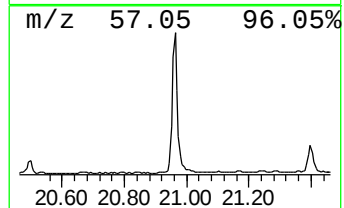
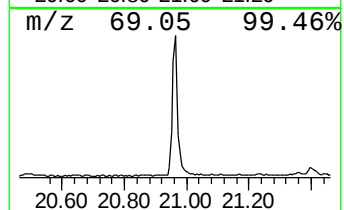
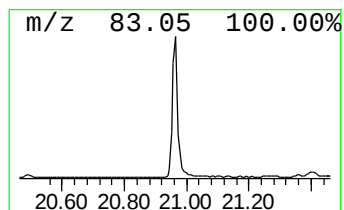
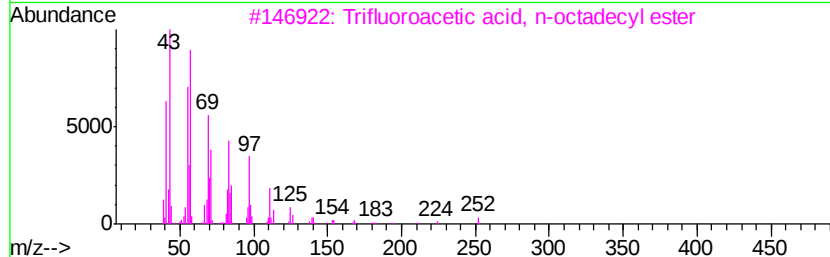
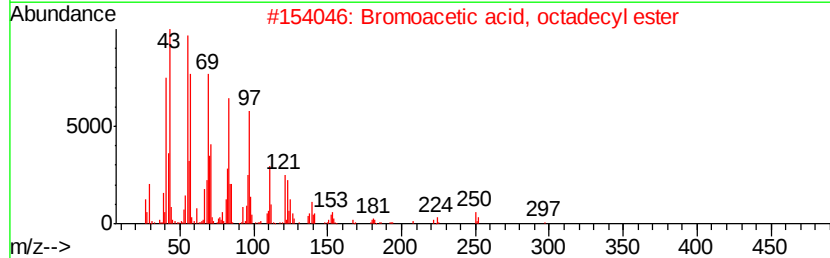
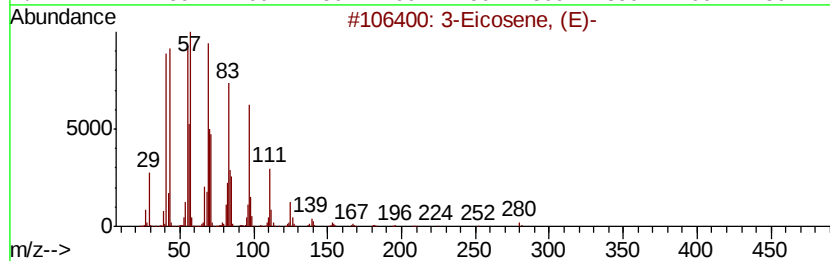
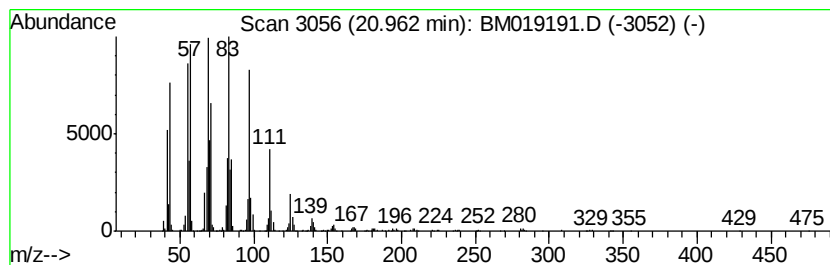
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 3-Eicosene, (E)- Concentration Rank 3

| R.T.  | EstConc | Area    | Relative to ISTD | R.T.  |
|-------|---------|---------|------------------|-------|
| 20.96 | 9.14 ng | 1404560 | Chrysene-d12     | 21.26 |

| Hit# of | 5 | Tentative ID                         | MW  | MolForm     | CAS#        | Qual |
|---------|---|--------------------------------------|-----|-------------|-------------|------|
| 1       |   | 3-Eicosene, (E)-                     | 280 | C20H40      | 074685-33-9 | 91   |
| 2       |   | Bromoacetic acid, octadecyl ester    | 390 | C20H39BrO2  | 018992-03-5 | 91   |
| 3       |   | Trifluoroacetic acid, n-octadecyl... | 366 | C20H37F3O2  | 079392-43-1 | 91   |
| 4       |   | 1-Hexadecanol                        | 242 | C16H34O     | 036653-82-4 | 87   |
| 5       |   | Trichloroacetic acid, tetradecyl...  | 358 | C16H29Cl3O2 | 074339-52-9 | 87   |



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| TIC Top Hit name    | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|---------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                     |       |         |       |          | #                     | RT    | Resp    | Conc |
| unknown7.19         | 7.19  | 121.2   | ng    | 7178040  | 1                     | 7.65  | 1184790 | 20.0 |
| n-Hexadecanoic acid | 17.95 | 3.6     | ng    | 552334   | 4                     | 17.06 | 3043300 | 20.0 |
| 3-Eicosene, (E)-    | 20.96 | 9.1     | ng    | 1404560  | 5                     | 21.26 | 3075090 | 20.0 |