

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092523\  
 Data File : BF135435.D  
 Acq On : 25 Sep 2023 19:24  
 Operator : CG\JU  
 Sample : 04567-12  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SE-SOIL-6

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-BF091123.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF135435.D\data.ms

| 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         | 4.975       | 488           | 491         | 502          | rBV      | 55623          | 68289         | 2.88%           | 0.376%        |
| 2         | 5.357       | 552           | 556         | 557          | rBV      | 39355          | 40335         | 1.70%           | 0.222%        |
| 3         | 5.381       | 557           | 560         | 572          | rVV      | 2310127        | 2341131       | 98.80%          | 12.873%       |
| 4         | 5.469       | 572           | 575         | 583          | rVB2     | 40995          | 56880         | 2.40%           | 0.313%        |
| 5         | 6.398       | 729           | 733         | 753          | rVB      | 2530669        | 2369512       | 100.00%         | 13.029%       |
| 6         | 6.751       | 790           | 793         | 804          | rVB      | 1207189        | 999223        | 42.17%          | 5.494%        |
| 7         | 7.316       | 885           | 889         | 901          | rBV      | 1716664        | 1498211       | 63.23%          | 8.238%        |
| 8         | 8.033       | 1007          | 1011        | 1014         | rBV      | 1496932        | 1215649       | 51.30%          | 6.685%        |
| 9         | 9.110       | 1189          | 1194        | 1197         | rBV      | 2821542        | 2364427       | 99.79%          | 13.001%       |
| 10        | 9.227       | 1211          | 1214        | 1225         | rVB      | 31805          | 37893         | 1.60%           | 0.208%        |
| 11        | 9.786       | 1305          | 1309        | 1313         | rBV      | 1385663        | 1216707       | 51.35%          | 6.690%        |
| 12        | 10.580      | 1439          | 1444        | 1457         | rBV      | 1267343        | 1144582       | 48.30%          | 6.294%        |
| 13        | 11.280      | 1559          | 1563        | 1569         | rBV      | 1182848        | 986698        | 41.64%          | 5.426%        |
| 14        | 11.816      | 1651          | 1654        | 1664         | rBV      | 191088         | 211274        | 8.92%           | 1.162%        |
| 15        | 12.610      | 1786          | 1789        | 1794         | rBV      | 37902          | 56376         | 2.38%           | 0.310%        |
| 16        | 12.874      | 1830          | 1834        | 1838         | rBV      | 1840352        | 1547914       | 65.33%          | 8.512%        |
| 17        | 13.868      | 1998          | 2003        | 2008         | rBV7     | 28814          | 71255         | 3.01%           | 0.392%        |
| 18        | 13.939      | 2011          | 2015        | 2025         | rVB      | 876721         | 844180        | 35.63%          | 4.642%        |
| 19        | 14.410      | 2091          | 2095        | 2099         | rBV2     | 44193          | 64553         | 2.72%           | 0.355%        |
| 20        | 14.786      | 2156          | 2159        | 2165         | rVB      | 138233         | 145060        | 6.12%           | 0.798%        |
| 21        | 15.051      | 2201          | 2204        | 2210         | rVB2     | 53746          | 69630         | 2.94%           | 0.383%        |
| 22        | 15.404      | 2259          | 2264        | 2272         | rVB      | 600448         | 768178        | 32.42%          | 4.224%        |
| 23        | 15.868      | 2340          | 2343        | 2348         | rVB      | 49476          | 67955         | 2.87%           | 0.374%        |

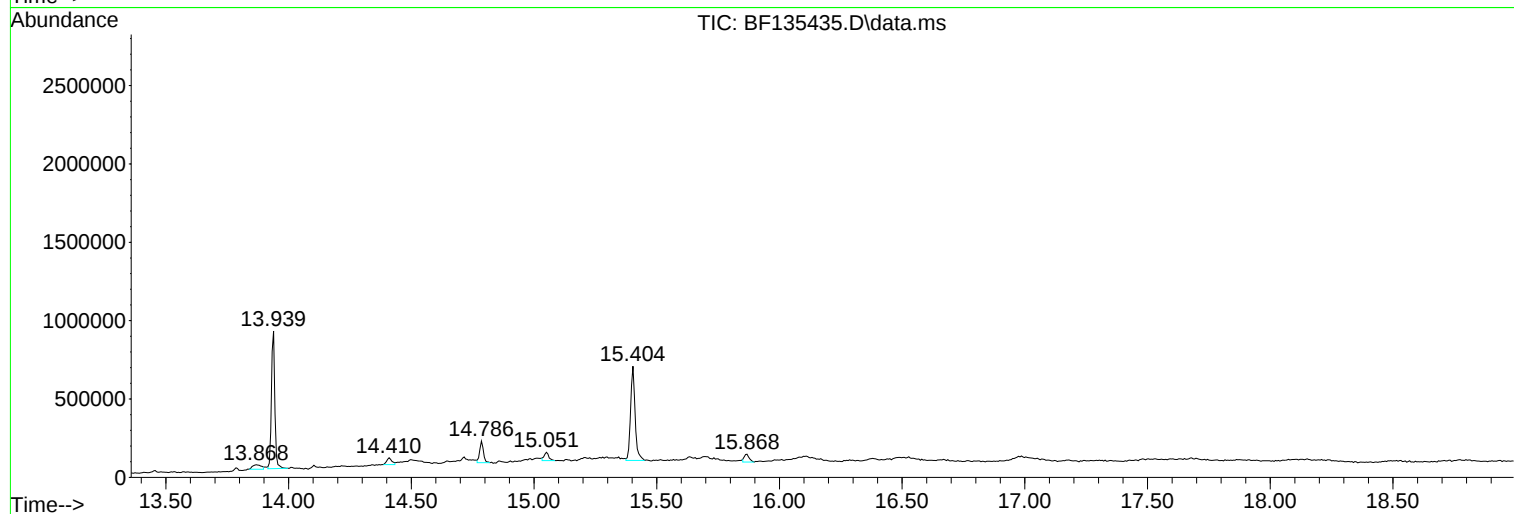
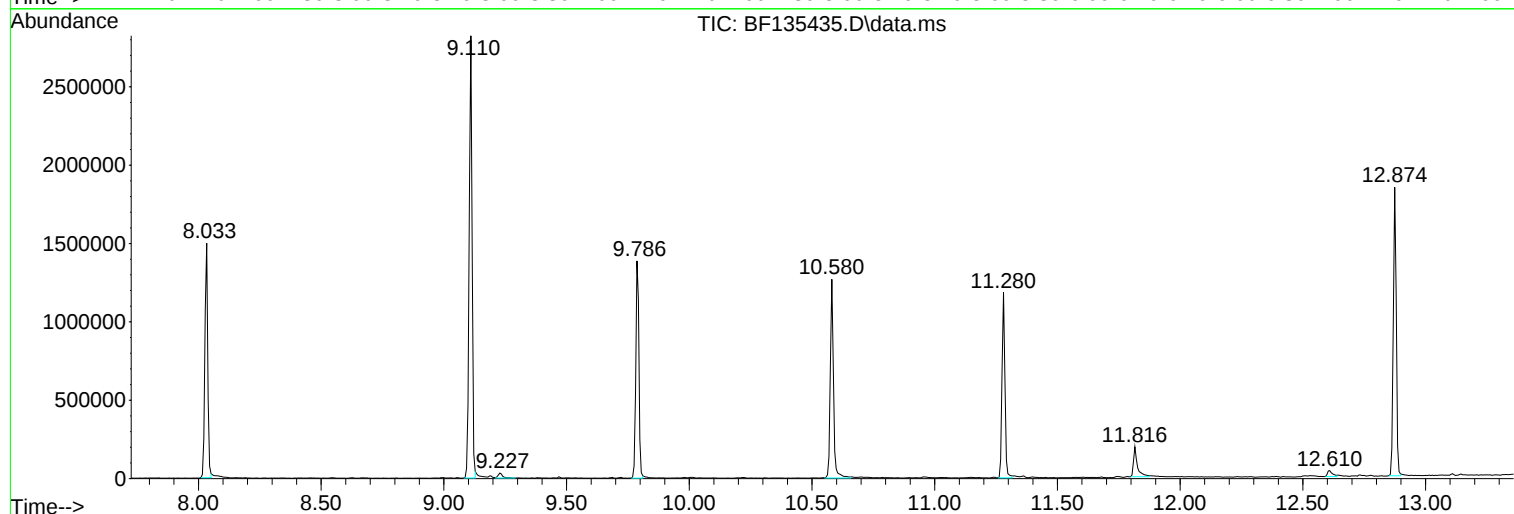
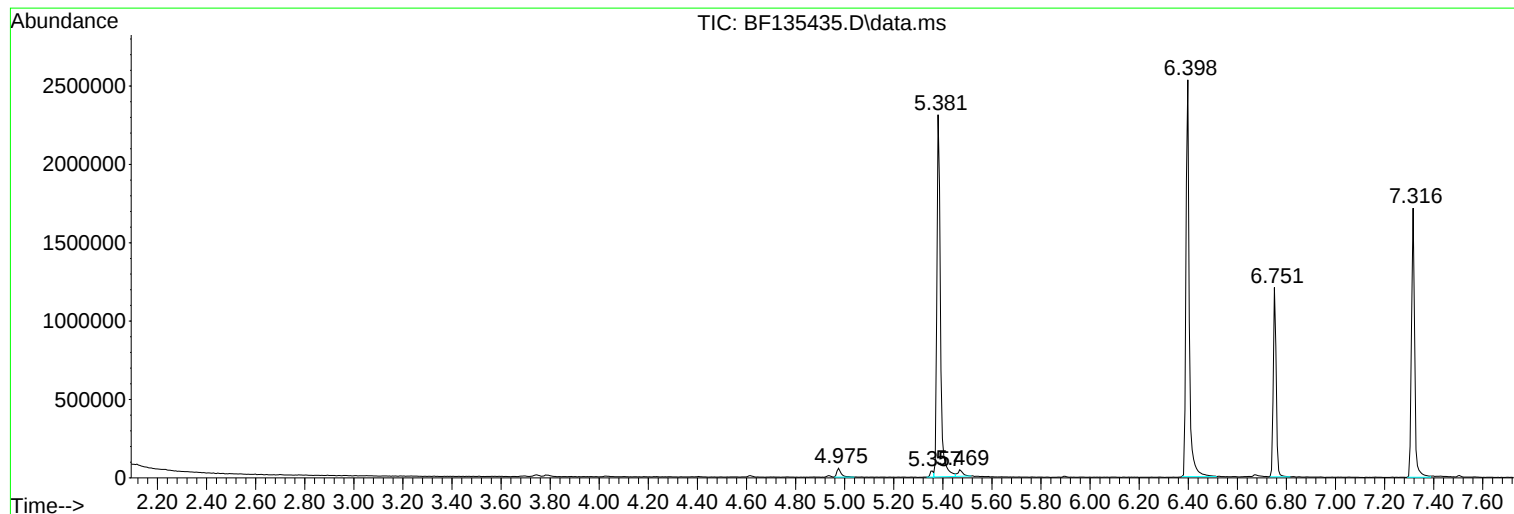
Sum of corrected areas: 18185912

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BNA\_F  
ClientSampleId :  
SE-SOIL-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



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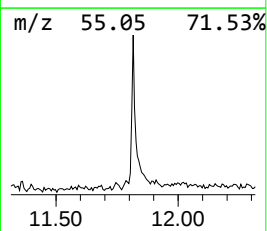
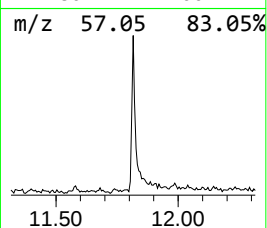
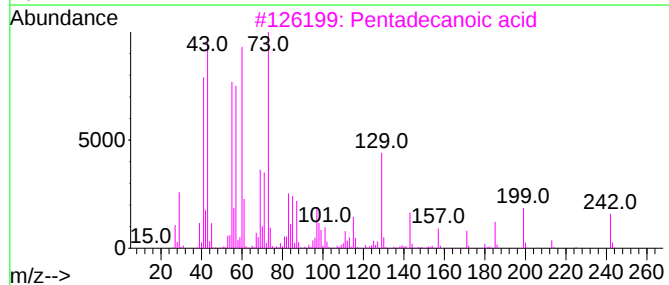
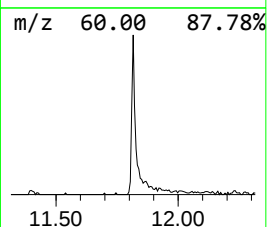
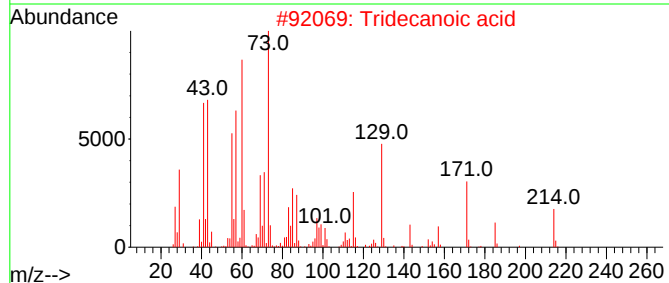
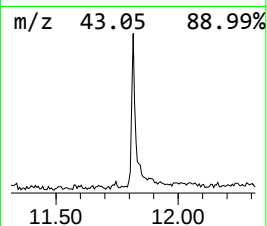
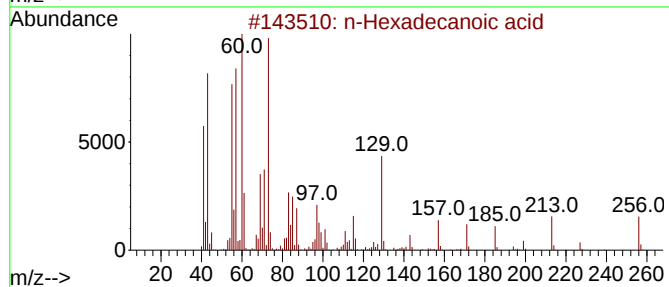
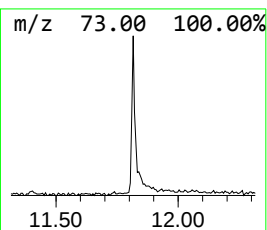
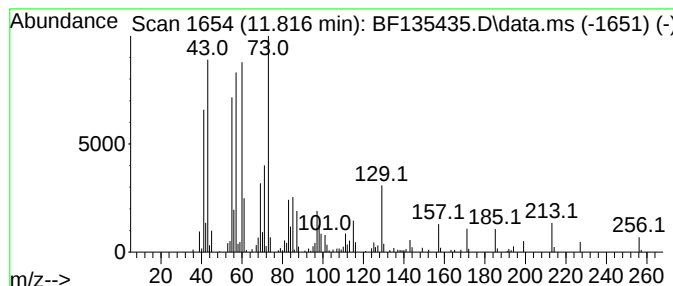
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
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TIC Library : C:\Database\NIST20.L  
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Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.816 | 4.28 ng | 211274 | Phenanthrene-d10 | 11.280 |

| 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 | 95   |
| 3    |    |   | Pentadecanoic acid    | 242 | C15H30O2 | 001002-84-2 | 90   |
| 4    |    |   | 8-Methylnonanoic acid | 172 | C10H20O2 | 005963-14-4 | 78   |
| 5    |    |   | Tetradecanoic acid    | 228 | C14H28O2 | 000544-63-8 | 74   |



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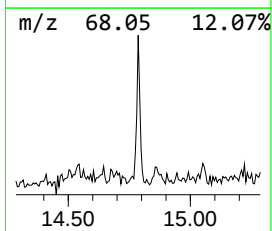
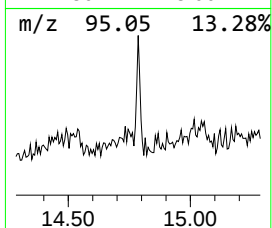
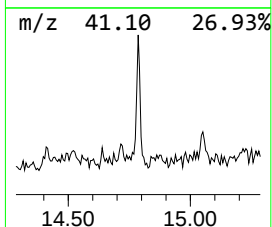
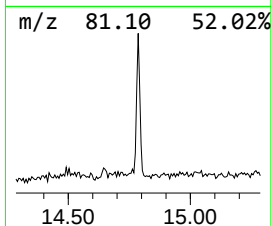
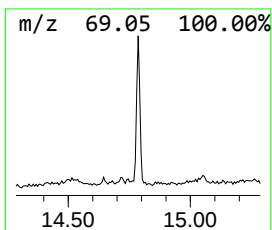
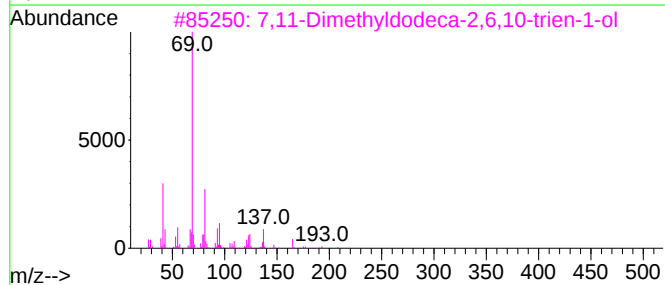
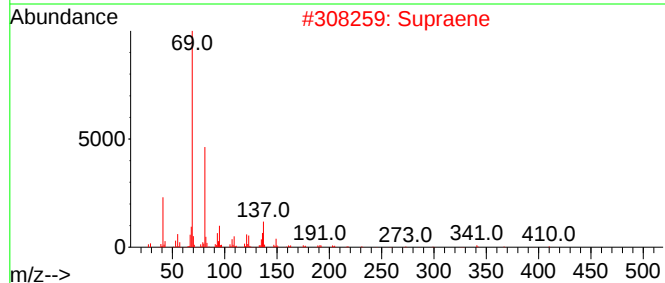
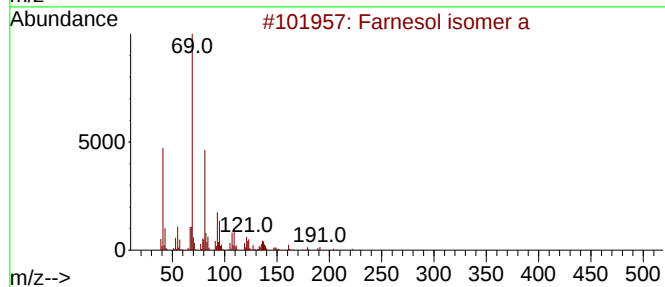
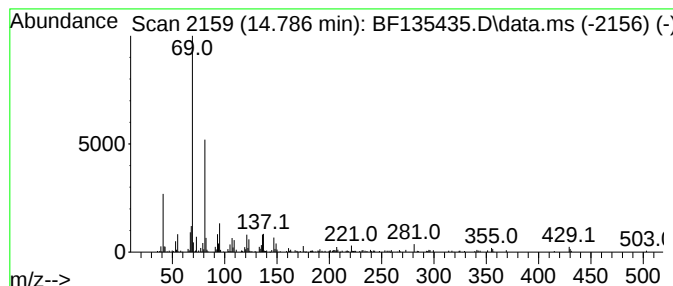
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Peak Number 2 Farnesol isomer a Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 14.786 | 3.78 ng | 145060 | Perylene-d12     | 15.403 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Farnesol isomer a                   | 222 | C15H26O  | 1000108-92-4 | 81   |
| 2    |    |   | Supraene                            | 410 | C30H50   | 007683-64-9  | 72   |
| 3    |    |   | 7,11-Dimethyldodeca-2,6,10-trien... | 208 | C14H24O  | 125529-10-4  | 64   |
| 4    |    |   | 1,6-Octadiene, 3,5-dimethyl-, tr... | 138 | C10H18   | 074630-87-8  | 64   |
| 5    |    |   | 2,6-Octadien-1-ol, 3,7-dimethyl-... | 196 | C12H20O2 | 016409-44-2  | 59   |



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| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| n-Hexadecanoic ... | 11.816 | 4.3     | ng    | 211274   | 4                     | 11.280 | 986698 | 20.0 |
| Farnesol isomer a  | 14.786 | 3.8     | ng    | 145060   | 6                     | 15.403 | 768178 | 20.0 |