

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM101318\  
 Data File : BM017154.D  
 Acq On : 13 Oct 2018 19:21  
 Operator : MJ/SJ  
 Sample : J5400-07  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0BE5

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0.1 % 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\_M\METHODS\SOM-EPA-BM100418MA.M  
 Title : SVOA 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         | 3.175       | 28            | 32          | 37           | rVB      | 707991         | 763291        | 22.71%          | 4.158%        |
| 2         | 4.763       | 299           | 302         | 309          | rVB      | 137592         | 188457        | 5.61%           | 1.027%        |
| 3         | 7.687       | 793           | 799         | 807          | rVB      | 788256         | 1232338       | 36.66%          | 6.713%        |
| 4         | 10.463      | 1263          | 1271        | 1282         | rVB      | 1172708        | 1944726       | 57.86%          | 10.594%       |
| 5         | 10.716      | 1312          | 1314        | 1319         | rVB5     | 3396           | 4290          | 0.13%           | 0.023%        |
| 6         | 10.934      | 1344          | 1351        | 1356         | rVB4     | 3845           | 6235          | 0.19%           | 0.034%        |
| 7         | 11.492      | 1441          | 1446        | 1453         | rBV5     | 3609           | 8052          | 0.24%           | 0.044%        |
| 8         | 11.892      | 1509          | 1514        | 1520         | rBV4     | 6854           | 12393         | 0.37%           | 0.068%        |
| 9         | 12.851      | 1672          | 1677        | 1683         | rVB5     | 10952          | 20328         | 0.60%           | 0.111%        |
| 10        | 13.116      | 1719          | 1722        | 1724         | rBV2     | 4354           | 4285          | 0.13%           | 0.023%        |
| 11        | 13.151      | 1724          | 1728        | 1735         | rVV2     | 15597          | 24724         | 0.74%           | 0.135%        |
| 12        | 13.398      | 1766          | 1770        | 1774         | rVB3     | 2677           | 5103          | 0.15%           | 0.028%        |
| 13        | 13.686      | 1810          | 1819        | 1822         | rBV5     | 3814           | 8460          | 0.25%           | 0.046%        |
| 14        | 13.733      | 1822          | 1827        | 1832         | rVB6     | 7427           | 12650         | 0.38%           | 0.069%        |
| 15        | 13.816      | 1832          | 1841        | 1845         | rBV4     | 24478          | 41900         | 1.25%           | 0.228%        |
| 16        | 13.857      | 1845          | 1848        | 1855         | rVB5     | 7114           | 11726         | 0.35%           | 0.064%        |
| 17        | 13.927      | 1858          | 1860        | 1865         | rVB4     | 5927           | 9013          | 0.27%           | 0.049%        |
| 18        | 13.980      | 1865          | 1869        | 1872         | rBV3     | 3989           | 8005          | 0.24%           | 0.044%        |
| 19        | 14.022      | 1872          | 1876        | 1879         | rVB4     | 3828           | 4896          | 0.15%           | 0.027%        |
| 20        | 14.063      | 1879          | 1883        | 1884         | rBV3     | 4273           | 4687          | 0.14%           | 0.026%        |
| 21        | 14.151      | 1895          | 1898        | 1902         | rBV5     | 12327          | 21146         | 0.63%           | 0.115%        |
| 22        | 14.233      | 1906          | 1912        | 1917         | rBV      | 36802          | 56970         | 1.69%           | 0.310%        |
| 23        | 14.327      | 1917          | 1928        | 1937         | rBV2     | 1758336        | 2716595       | 80.82%          | 14.799%       |
| 24        | 14.574      | 1968          | 1970        | 1974         | rVB4     | 5877           | 5685          | 0.17%           | 0.031%        |
| 25        | 14.657      | 1980          | 1984        | 1986         | rBV5     | 7314           | 10672         | 0.32%           | 0.058%        |
| 26        | 14.739      | 1995          | 1998        | 2002         | rVB6     | 9096           | 13574         | 0.40%           | 0.074%        |
| 27        | 14.857      | 2014          | 2018        | 2025         | rBV3     | 39621          | 62705         | 1.87%           | 0.342%        |
| 28        | 14.922      | 2027          | 2029        | 2032         | rVV4     | 6465           | 7502          | 0.22%           | 0.041%        |
| 29        | 15.051      | 2046          | 2051        | 2055         | rBV7     | 20658          | 47002         | 1.40%           | 0.256%        |
| 30        | 15.116      | 2057          | 2062        | 2066         | rVV3     | 44995          | 73813         | 2.20%           | 0.402%        |
| 31        | 15.192      | 2071          | 2075        | 2080         | rBV      | 60924          | 93342         | 2.78%           | 0.508%        |
| 32        | 15.374      | 2102          | 2106        | 2107         | rBV3     | 27270          | 34764         | 1.03%           | 0.189%        |
| 33        | 15.598      | 2139          | 2144        | 2149         | rBV2     | 130551         | 214544        | 6.38%           | 1.169%        |
| 34        | 15.810      | 2176          | 2180        | 2182         | rBV3     | 54821          | 83933         | 2.50%           | 0.457%        |

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Sample : J5400-07  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0BE5

## Integration Parameters: LSCINT.P

Integrator: RTE  
Smoothing : OFF  
Sampling : 1  
Start Thrs: 0.2  
Stop Thrs : 0  
Filtering: 5  
Min Area: 0.1 % 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\_M\METHODS\SOM-EPA-BM100418MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 16.080 | 2218 | 2226 | 2230 | rBV  | 501665  | 987252  | 29.37%  | 5.378%  |
| 36 | 16.898 | 2362 | 2365 | 2374 | rVB  | 440392  | 661227  | 19.67%  | 3.602%  |
| 37 | 17.074 | 2391 | 2395 | 2407 | rBV2 | 2086182 | 3361157 | 100.00% | 18.310% |
| 38 | 18.915 | 2706 | 2708 | 2712 | rVB  | 302736  | 321430  | 9.56%   | 1.751%  |
| 39 | 21.268 | 3104 | 3108 | 3112 | rBV  | 2186920 | 2750179 | 81.82%  | 14.982% |
| 40 | 23.492 | 3481 | 3486 | 3495 | rVB2 | 1313156 | 2517810 | 74.91%  | 13.716% |

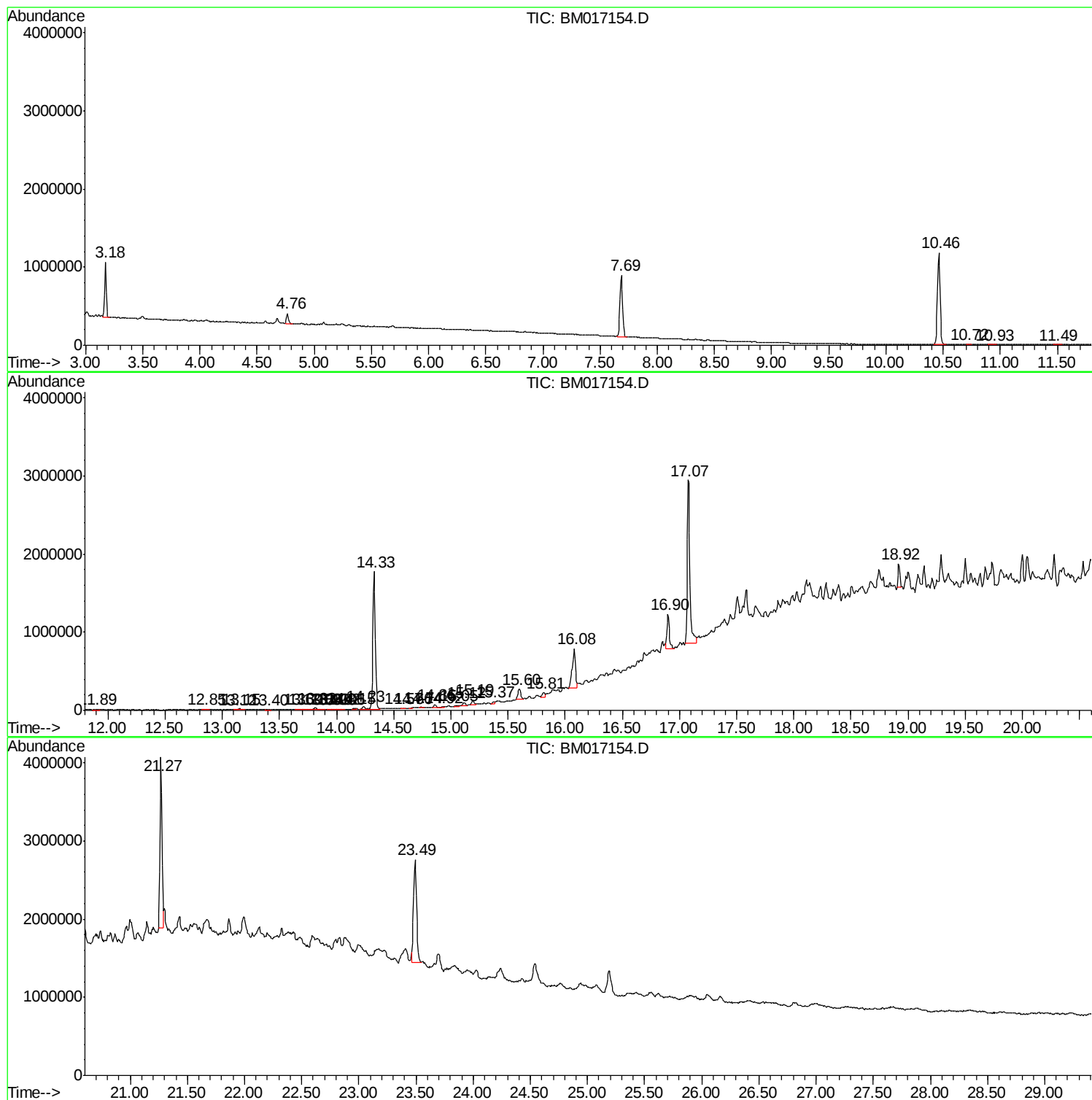
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM100418MA.M  
Quant Title : SVOA CALIBRATION

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



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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM100418MA.M  
Quant Title : SVOA CALIBRATION

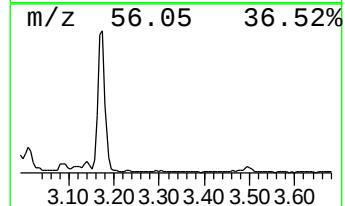
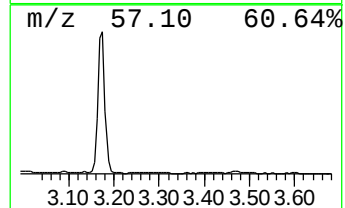
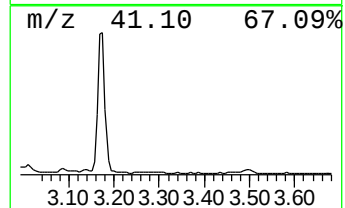
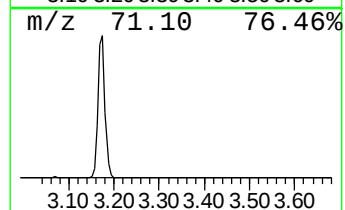
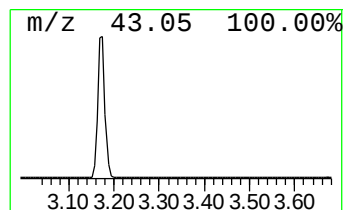
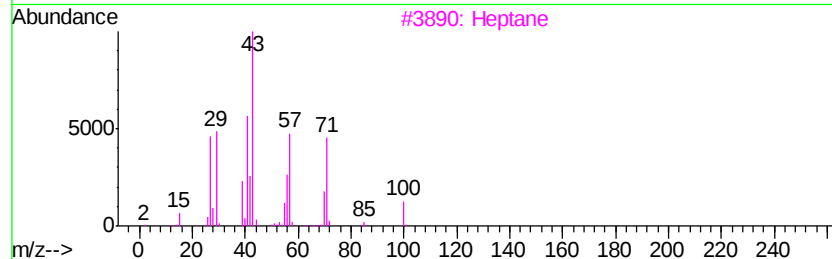
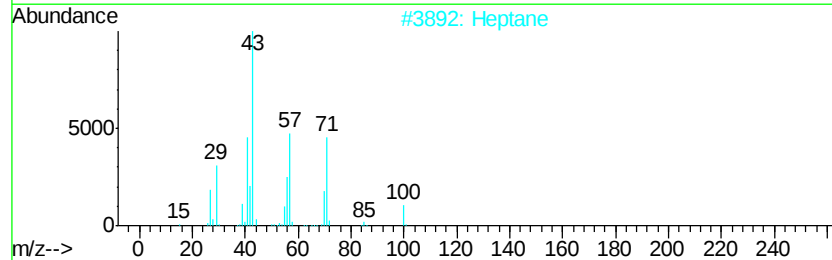
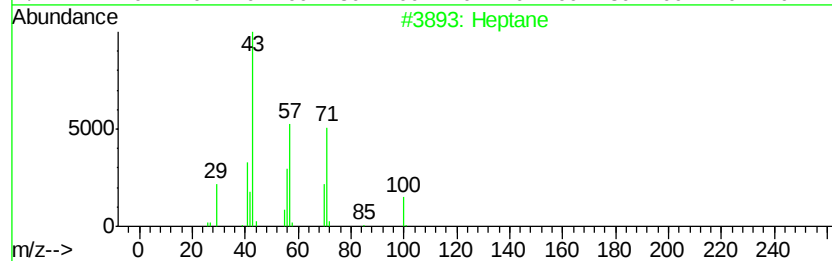
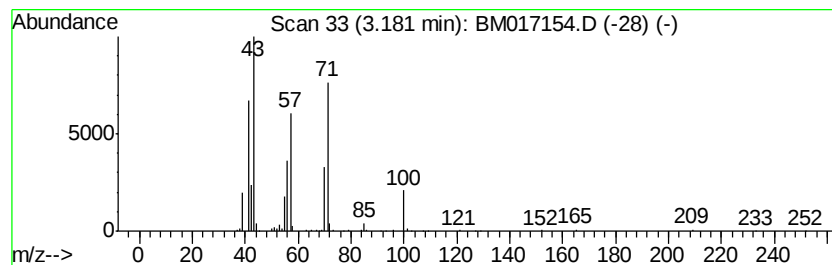
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T. | EstConc     | Area   | Relative to ISTD       | R.T. |
|------|-------------|--------|------------------------|------|
| 3.18 | 12.39 ng/ul | 763291 | 1,4-Dichlorobenzene-d4 | 7.69 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------|-----|---------|-------------|------|
| 1    | 5  | Heptane              | 100 | C7H16   | 000142-82-5 | 91   |
| 2    |    | Heptane              | 100 | C7H16   | 000142-82-5 | 87   |
| 3    |    | Heptane              | 100 | C7H16   | 000142-82-5 | 83   |
| 4    |    | Heptane              | 100 | C7H16   | 000142-82-5 | 68   |
| 5    |    | 3-Hexanone, 4-ethyl- | 128 | C8H16O  | 006137-12-8 | 53   |



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BNA\_M  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM100418MA.M  
Quant Title : SVOA CALIBRATION

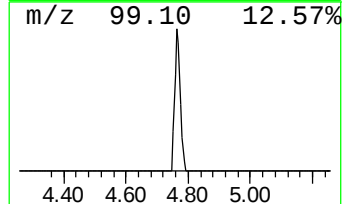
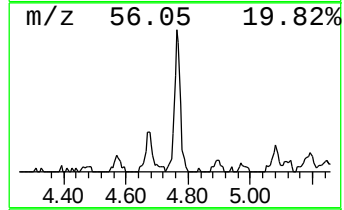
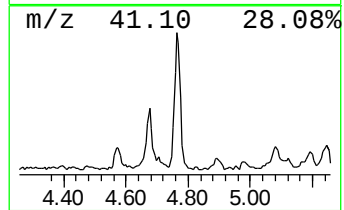
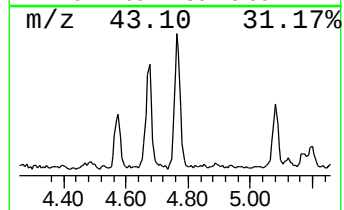
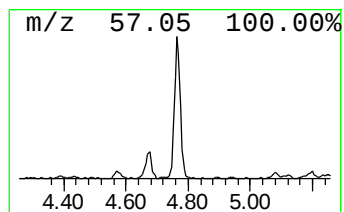
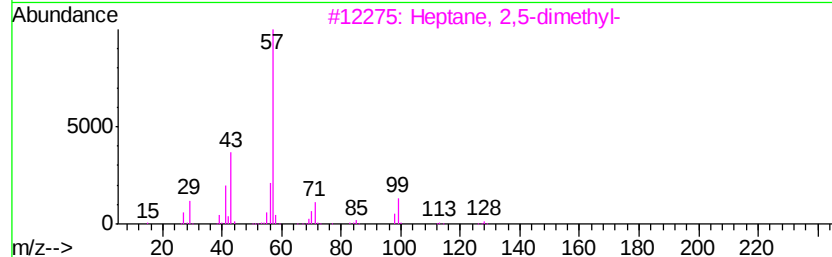
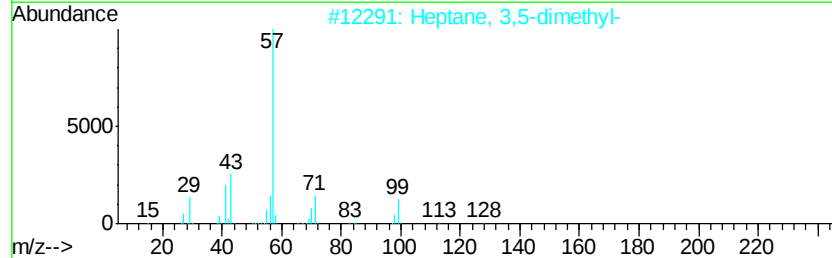
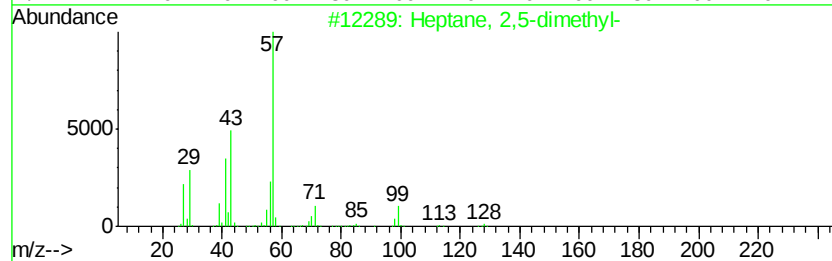
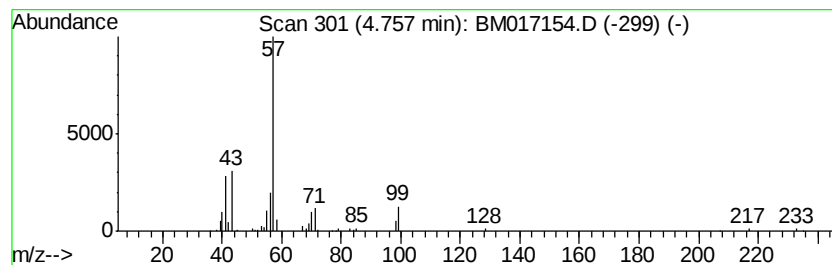
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 4.76 | 3.06 ng/ul | 188457 | 1,4-Dichlorobenzene-d4 | 7.69 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Heptane, 2,5-dimethyl- | 128 | C9H20   | 002216-30-0 | 91   |
| 2    |    |   | Heptane, 3,5-dimethyl- | 128 | C9H20   | 000926-82-9 | 91   |
| 3    |    |   | Heptane, 2,5-dimethyl- | 128 | C9H20   | 002216-30-0 | 91   |
| 4    |    |   | Heptane, 3,5-dimethyl- | 128 | C9H20   | 000926-82-9 | 91   |
| 5    |    |   | Heptane, 2,5-dimethyl- | 128 | C9H20   | 002216-30-0 | 90   |



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Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM100418MA.M  
Quant Title : SVOA CALIBRATION

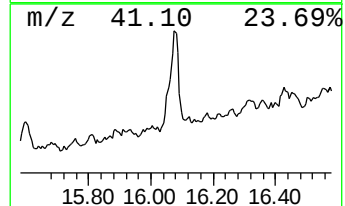
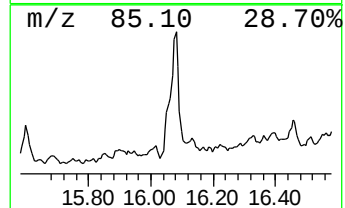
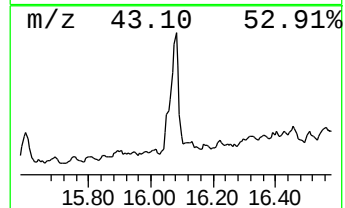
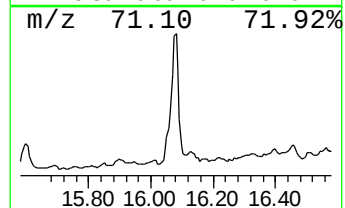
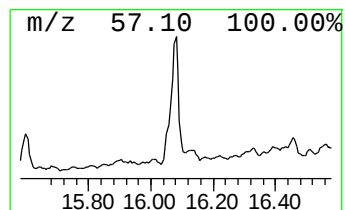
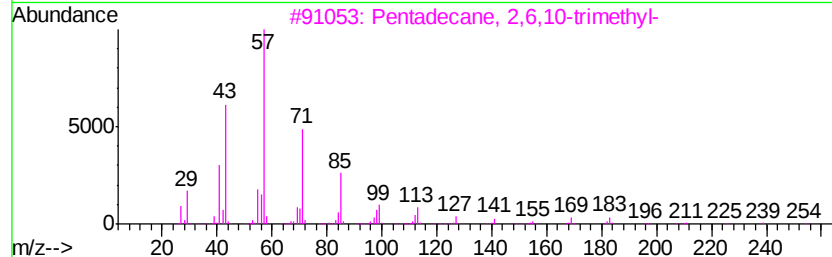
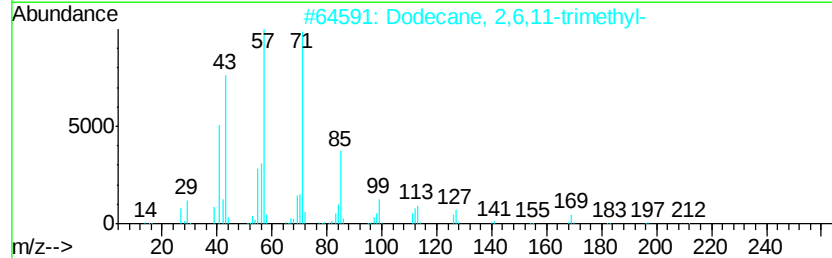
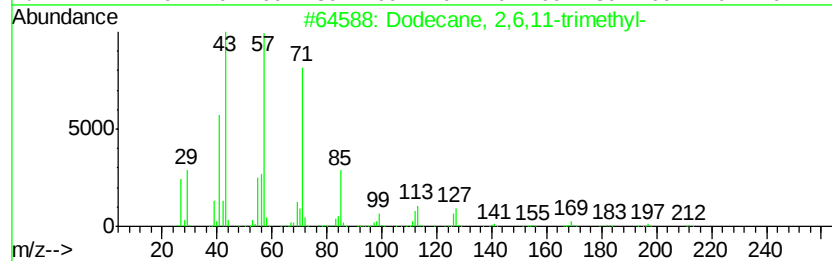
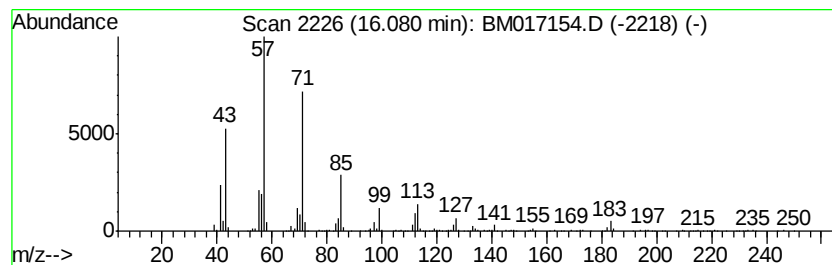
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 16.08 | 5.87 ng/ul | 987252 | Phenanthrene-d10 | 17.07 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Dodecane, 2,6,11-trimethyl-         | 212 | C15H32  | 031295-56-4 | 93   |
| 2    |    |   | Dodecane, 2,6,11-trimethyl-         | 212 | C15H32  | 031295-56-4 | 91   |
| 3    |    |   | Pentadecane, 2,6,10-trimethyl-      | 254 | C18H38  | 003892-00-0 | 91   |
| 4    |    |   | Pentadecane, 2,6,10,14-tetramethyl- | 268 | C19H40  | 001921-70-6 | 90   |
| 5    |    |   | Octadecane, 2,6-dimethyl-           | 282 | C20H42  | 075163-97-2 | 90   |



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Quant Title : SVOA CALIBRATION

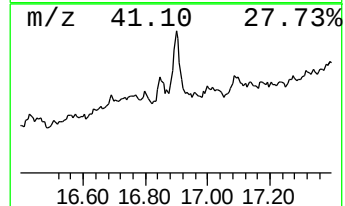
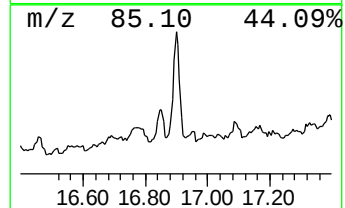
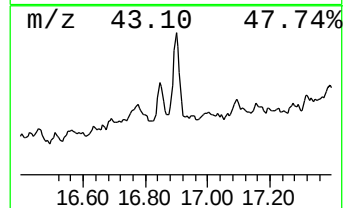
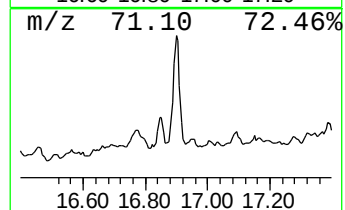
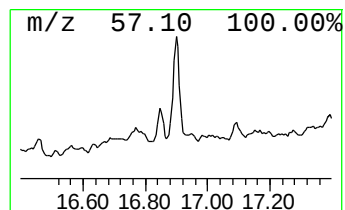
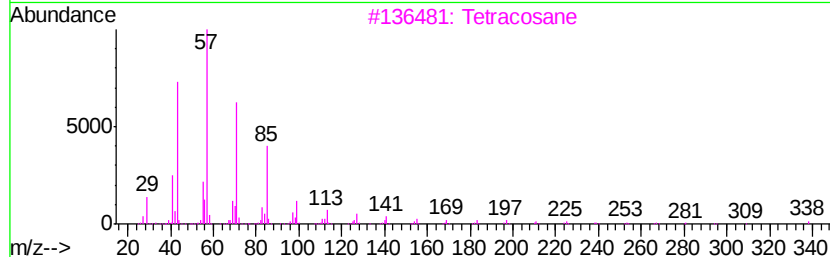
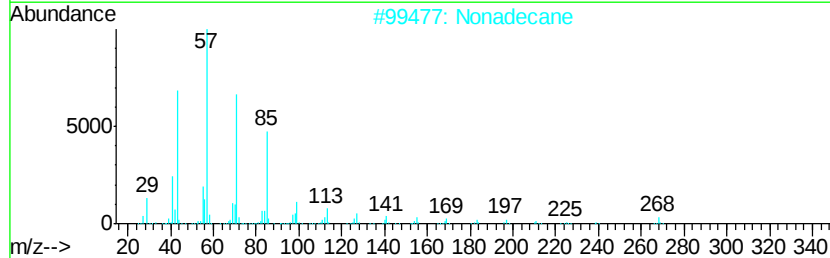
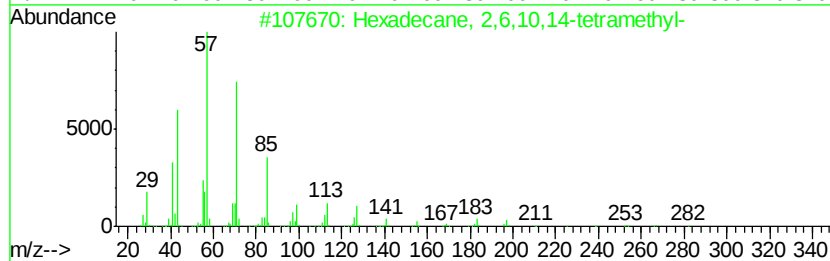
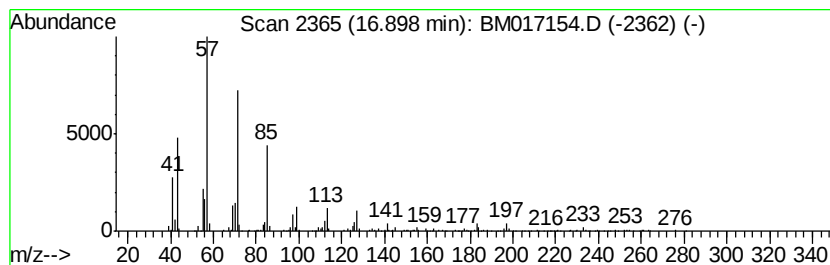
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 16.90 | 3.93 ng/ul | 661227 | Phenanthrene-d10 | 17.07 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42  | 000638-36-8 | 91   |
| 2    |    |   | Nonadecane                         | 268 | C19H40  | 000629-92-5 | 86   |
| 3    |    |   | Tetracosane                        | 338 | C24H50  | 000646-31-1 | 86   |
| 4    |    |   | Octacosane                         | 394 | C28H58  | 000630-02-4 | 86   |
| 5    |    |   | Heptadecane                        | 240 | C17H36  | 000629-78-7 | 86   |



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ClientSampleId :  
C0BE5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM100418MA.M  
Quant Title : SVOA CALIBRATION

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

|                      |       |         |       |          | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
| TIC Top Hit name     | RT    | EstConc | Units | Response | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Str... | 3.18  | 12.4    | ng/ul | 763291   | 1                     | 7.69  | 1232340 | 20.0 |
| (DEL) Alkane: Str... | 4.76  | 3.1     | ng/ul | 188457   | 1                     | 7.69  | 1232340 | 20.0 |
| (DEL) Alkane: Str... | 16.08 | 5.9     | ng/ul | 987252   | 4                     | 17.07 | 3361160 | 20.0 |
| (DEL) Alkane: Str... | 16.90 | 3.9     | ng/ul | 661227   | 4                     | 17.07 | 3361160 | 20.0 |