

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG040717\  
 Data File : BG026599.D  
 Acq On : 7 Apr 2017 16:00  
 Operator : SJ/MA  
 Sample : I2544-02  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0BP9

## Integration Parameters: LSCINT.P

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

Filtering: 5  
 Min Area: 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:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG032717MA.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         | 5.350       | 377           | 385         | 400          | rBV      | 651839         | 1103142       | 23.30%          | 1.932%        |
| 2         | 7.194       | 693           | 699         | 709          | rBV      | 88355          | 162694        | 3.44%           | 0.285%        |
| 3         | 7.353       | 720           | 726         | 737          | rBV      | 449493         | 736860        | 15.56%          | 1.291%        |
| 4         | 7.565       | 755           | 762         | 774          | rBV      | 414155         | 724237        | 15.30%          | 1.269%        |
| 5         | 7.923       | 816           | 823         | 829          | rBV      | 74304          | 128173        | 2.71%           | 0.225%        |
| 6         | 8.035       | 835           | 842         | 844          | rBV      | 455988         | 751312        | 15.87%          | 1.316%        |
| 7         | 8.070       | 844           | 848         | 857          | rVB      | 652626         | 1131284       | 23.90%          | 1.982%        |
| 8         | 8.387       | 891           | 902         | 913          | rBV      | 2137317        | 3729590       | 78.78%          | 6.533%        |
| 9         | 8.734       | 952           | 961         | 970          | rBV      | 217079         | 386030        | 8.15%           | 0.676%        |
| 10        | 9.192       | 1030          | 1039        | 1042         | rBV      | 465332         | 881624        | 18.62%          | 1.544%        |
| 11        | 9.233       | 1042          | 1046        | 1060         | rVB      | 781048         | 1366497       | 28.86%          | 2.394%        |
| 12        | 9.915       | 1155          | 1162        | 1175         | rBV      | 407544         | 748184        | 15.80%          | 1.310%        |
| 13        | 10.455      | 1247          | 1254        | 1270         | rBV      | 585538         | 1094989       | 23.13%          | 1.918%        |
| 14        | 10.696      | 1287          | 1295        | 1304         | rBV      | 701890         | 1212283       | 25.61%          | 2.123%        |
| 15        | 10.831      | 1311          | 1318        | 1326         | rBV      | 651507         | 1144254       | 24.17%          | 2.004%        |
| 16        | 10.967      | 1334          | 1341        | 1357         | rBV2     | 256215         | 670112        | 14.15%          | 1.174%        |
| 17        | 11.219      | 1377          | 1384        | 1392         | rBV      | 436474         | 784132        | 16.56%          | 1.373%        |
| 18        | 11.425      | 1412          | 1419        | 1436         | rVB      | 526603         | 966341        | 20.41%          | 1.693%        |
| 19        | 11.642      | 1449          | 1456        | 1470         | rBV      | 245736         | 471206        | 9.95%           | 0.825%        |
| 20        | 12.130      | 1531          | 1539        | 1546         | rVB7     | 22062          | 49494         | 1.05%           | 0.087%        |
| 21        | 12.800      | 1645          | 1653        | 1658         | rBV4     | 42419          | 89983         | 1.90%           | 0.158%        |
| 22        | 13.452      | 1756          | 1764        | 1773         | rBV      | 254587         | 407841        | 8.61%           | 0.714%        |
| 23        | 14.039      | 1858          | 1864        | 1871         | rBV      | 1445660        | 2133444       | 45.06%          | 3.737%        |
| 24        | 14.104      | 1871          | 1875        | 1884         | rVB6     | 44508          | 99769         | 2.11%           | 0.175%        |
| 25        | 14.339      | 1908          | 1915        | 1922         | rBV      | 1573029        | 2520030       | 53.23%          | 4.414%        |
| 26        | 14.639      | 1958          | 1966        | 1977         | rBV3     | 1018503        | 1695740       | 35.82%          | 2.970%        |
| 27        | 14.856      | 1997          | 2003        | 2016         | rBV3     | 61192          | 154563        | 3.26%           | 0.271%        |
| 28        | 15.626      | 2127          | 2134        | 2140         | rBV      | 2201512        | 3427909       | 72.41%          | 6.004%        |
| 29        | 15.667      | 2140          | 2141        | 2148         | rVV      | 114378         | 122488        | 2.59%           | 0.215%        |
| 30        | 15.743      | 2148          | 2154        | 2167         | rVV      | 700884         | 1083664       | 22.89%          | 1.898%        |
| 31        | 15.867      | 2171          | 2175        | 2182         | rVB      | 30242          | 49302         | 1.04%           | 0.086%        |
| 32        | 17.377      | 2424          | 2432        | 2442         | rBV2     | 1428516        | 2170313       | 45.84%          | 3.801%        |
| 33        | 17.477      | 2442          | 2449        | 2460         | rVV      | 2216673        | 3387464       | 71.55%          | 5.933%        |
| 34        | 18.346      | 2591          | 2597        | 2603         | rVB6     | 28659          | 52991         | 1.12%           | 0.093%        |

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BNA\_G  
ClientSampleId :  
C0BP9

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Stop Thrs : 0  
Filtering: 5  
Min Area: 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:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG032717MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 18.740 | 2653 | 2664 | 2672 | rBV  | 1731478 | 2547855 | 53.82%  | 4.463% |
| 36 | 18.863 | 2681 | 2685 | 2694 | rVB4 | 82464   | 133831  | 2.83%   | 0.234% |
| 37 | 19.034 | 2708 | 2714 | 2716 | rBV5 | 42612   | 69727   | 1.47%   | 0.122% |
| 38 | 19.069 | 2716 | 2720 | 2724 | rVV2 | 108999  | 170073  | 3.59%   | 0.298% |
| 39 | 19.110 | 2724 | 2727 | 2733 | rVB5 | 32916   | 55185   | 1.17%   | 0.097% |
| 40 | 19.392 | 2771 | 2775 | 2779 | rBV2 | 34800   | 48568   | 1.03%   | 0.085% |
| 41 | 19.756 | 2829 | 2837 | 2847 | rBV  | 3214621 | 4722287 | 99.75%  | 8.271% |
| 42 | 21.625 | 3148 | 3155 | 3166 | rBV  | 1795015 | 2959282 | 62.51%  | 5.183% |
| 43 | 22.400 | 3283 | 3287 | 3292 | rVB3 | 42019   | 63973   | 1.35%   | 0.112% |
| 44 | 23.082 | 3397 | 3403 | 3410 | rVB2 | 96709   | 177123  | 3.74%   | 0.310% |
| 45 | 23.869 | 3531 | 3537 | 3546 | rVB  | 143090  | 299417  | 6.32%   | 0.524% |
| 46 | 24.586 | 3648 | 3659 | 3675 | rBV2 | 1783962 | 4734234 | 100.00% | 8.292% |
| 47 | 24.803 | 3685 | 3696 | 3710 | rBV3 | 1230198 | 3333493 | 70.41%  | 5.839% |
| 48 | 25.902 | 3876 | 3883 | 3895 | rVB2 | 187175  | 560590  | 11.84%  | 0.982% |
| 49 | 27.236 | 4100 | 4110 | 4124 | rVB3 | 193627  | 653785  | 13.81%  | 1.145% |
| 50 | 28.840 | 4372 | 4383 | 4396 | rVB3 | 126571  | 506736  | 10.70%  | 0.888% |
| 51 | 30.767 | 4703 | 4711 | 4725 | rVB4 | 99934   | 417747  | 8.82%   | 0.732% |

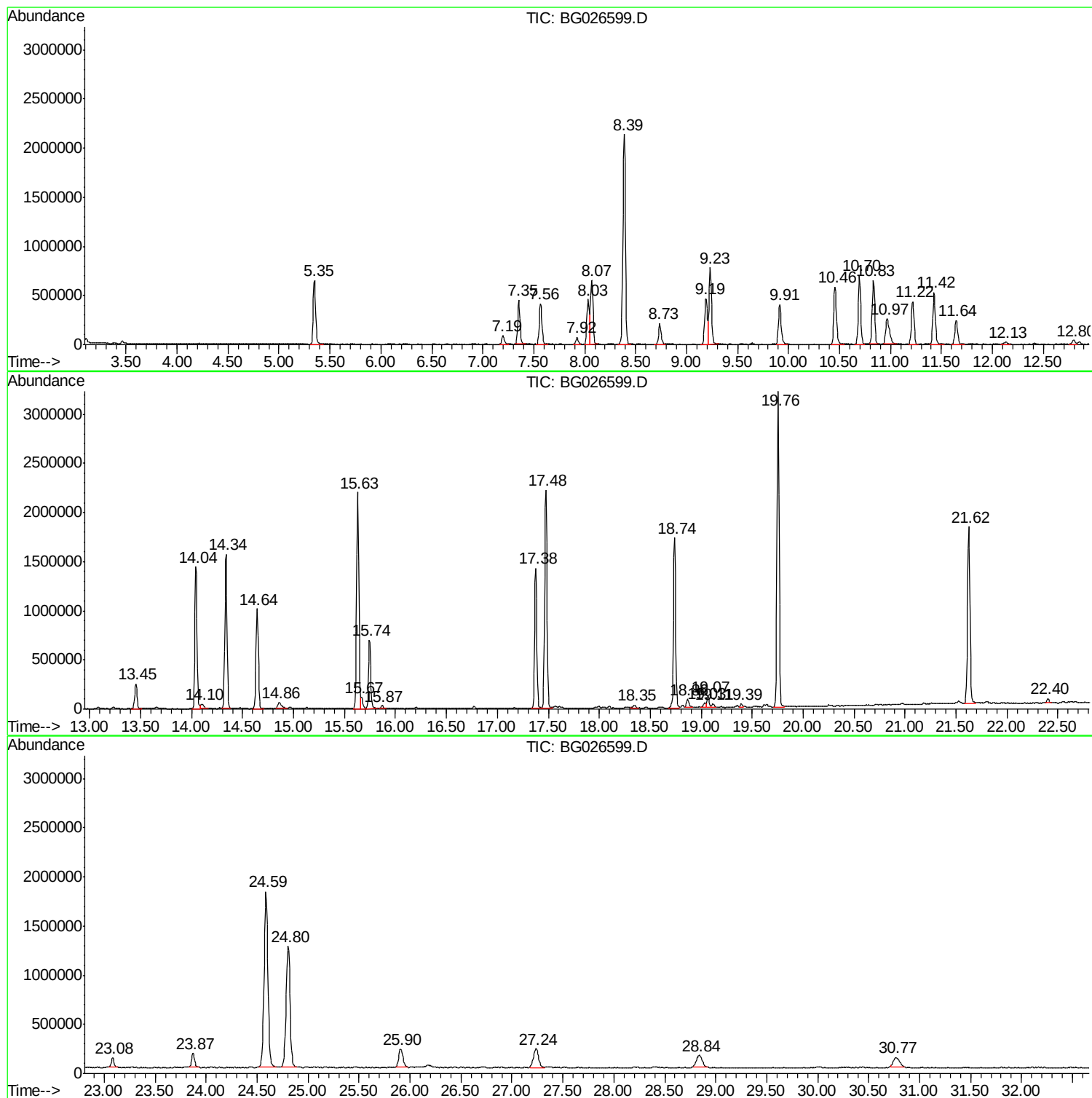
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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG032717MA.M  
Quant Title : SVOA CALIBRATION

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



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Misc :  
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Instrument :  
BNA\_G  
ClientSampleId :  
C0BP9

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG032717MA.M  
Quant Title : SVOA CALIBRATION

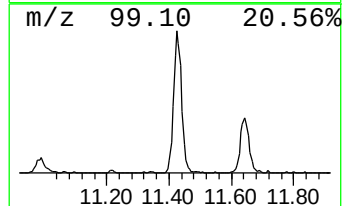
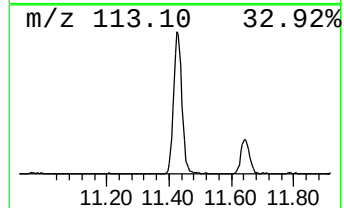
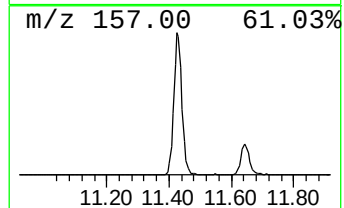
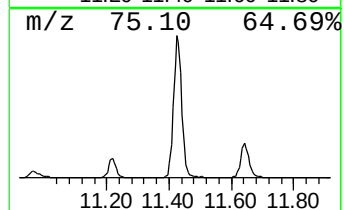
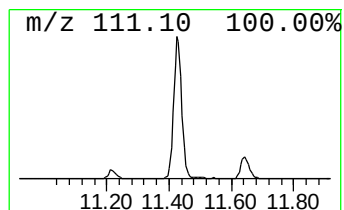
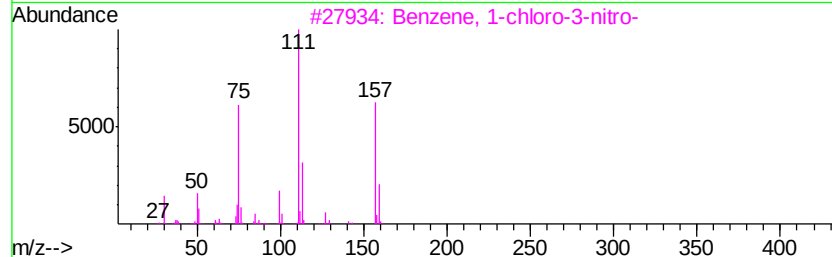
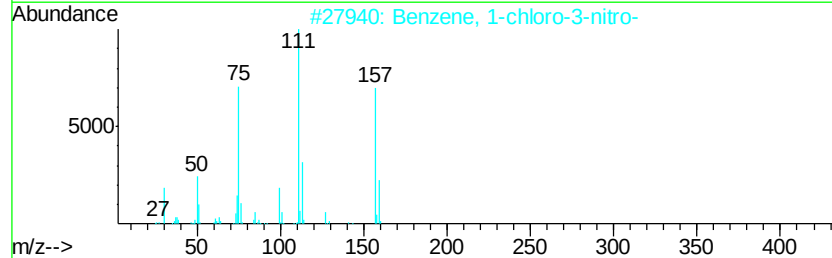
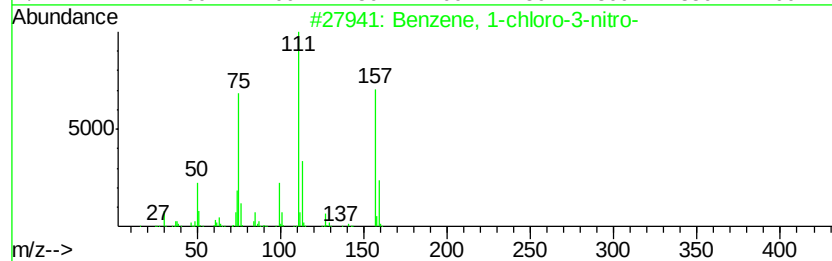
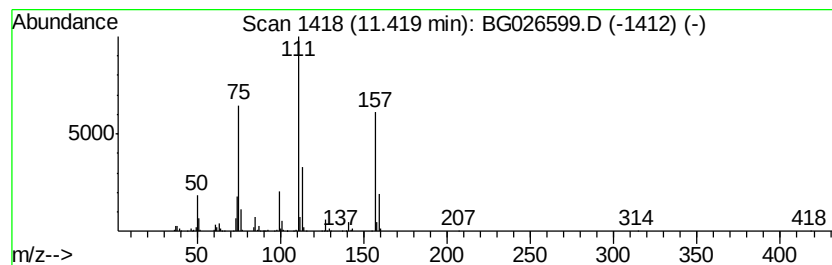
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Benzene, 1-chloro-3-nitro- Concentration Rank 5

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 11.42 | 16.89 ng/ul | 966341 | Naphthalene-d8   | 10.83 |

| Hit# | of | Tentative ID               | MW  | MolForm   | CAS#        | Qual |
|------|----|----------------------------|-----|-----------|-------------|------|
| 1    | 5  | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 98   |
| 2    |    | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 97   |
| 3    |    | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 96   |
| 4    |    | Benzene, 1-chloro-4-nitro- | 157 | C6H4ClNO2 | 000100-00-5 | 93   |
| 5    |    | Benzene, 1-chloro-2-nitro- | 157 | C6H4ClNO2 | 000088-73-3 | 80   |



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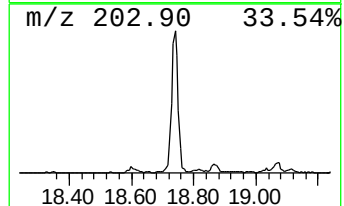
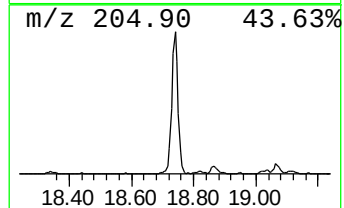
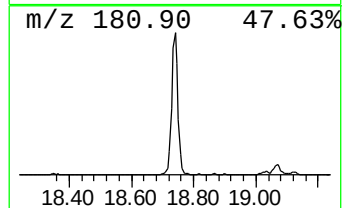
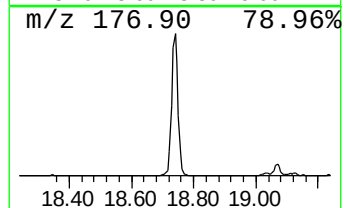
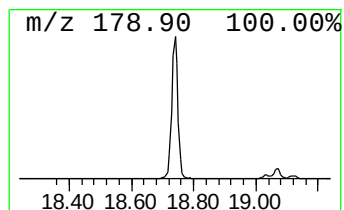
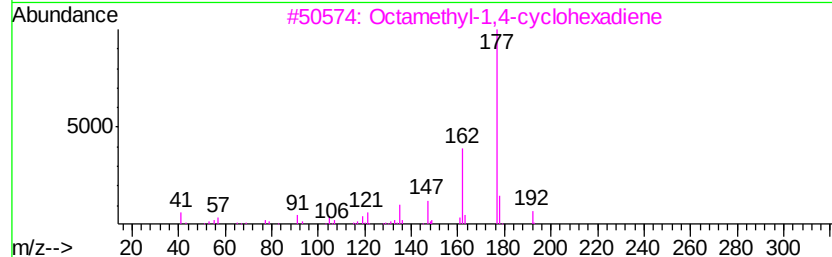
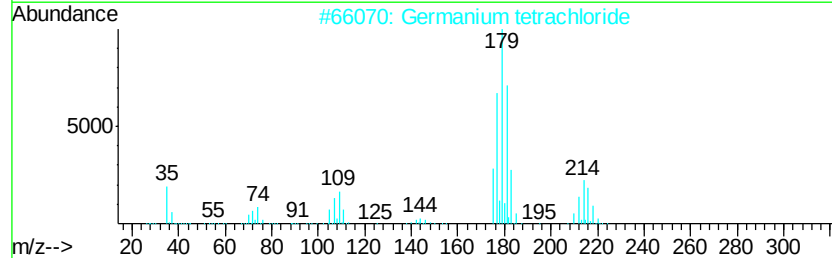
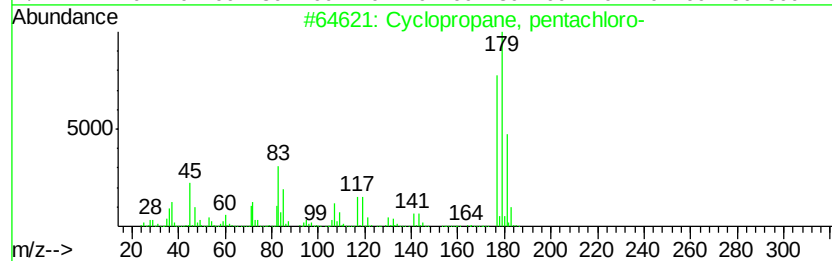
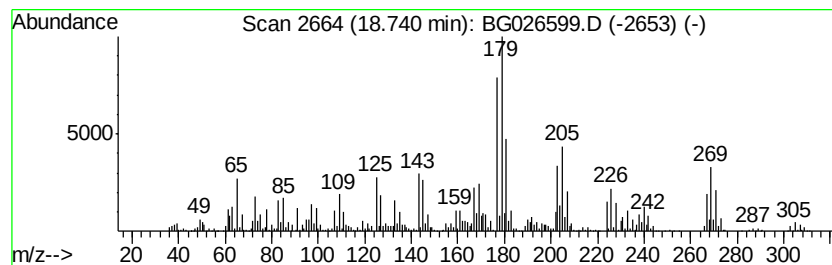
Instrument :  
BNA\_G  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG032717MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 8 unknown-01 Concentration Rank 3

| R.T.    | EstConc     | Area                                | Relative to ISTD | R.T.           |
|---------|-------------|-------------------------------------|------------------|----------------|
| 18.74   | 23.48 ng/ul | 2547860                             | Phenanthrene-d10 | 17.38          |
| Hit# of | 5           | Tentative ID                        | MW MolForm       | CAS# Qual      |
| 1       |             | Cyclopropane, pentachloro-          | 212 C3HCl5       | 006262-51-7 37 |
| 2       |             | Germanium tetrachloride             | 214 Cl4Ge        | 010038-98-9 25 |
| 3       |             | Octamethyl-1,4-cyclohexadiene       | 192 C14H24       | 172684-93-4 15 |
| 4       |             | Phenol, 4-amino-2,6-dichloro-       | 177 C6H5Cl2NO    | 005930-28-9 14 |
| 5       |             | 6-Chloro-1,2,3,4-tetrahydrocarba... | 205 C12H12ClN    | 036684-65-8 12 |



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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG032717MA.M  
Quant Title : SVOA CALIBRATION

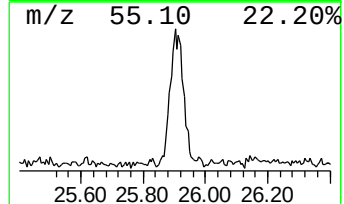
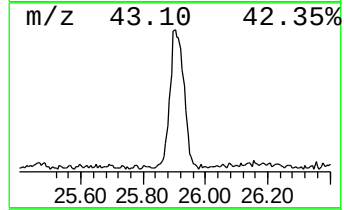
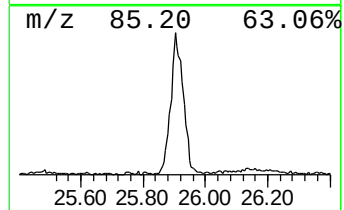
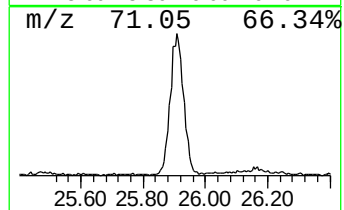
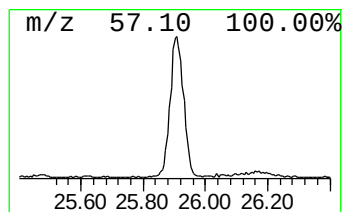
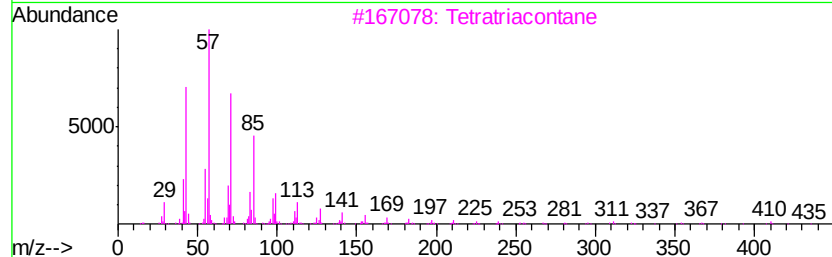
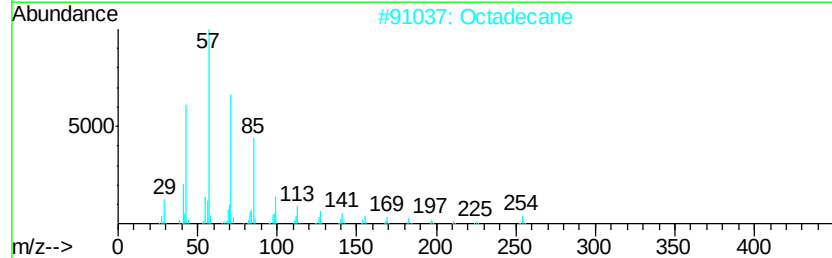
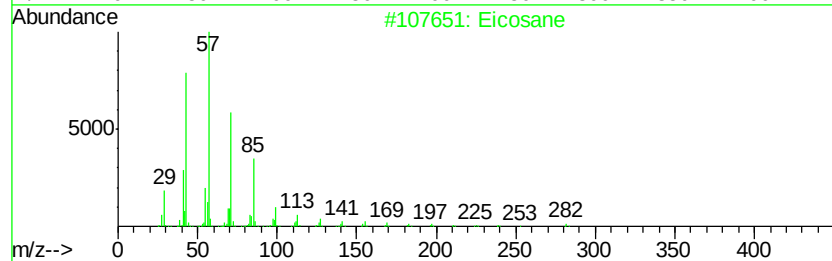
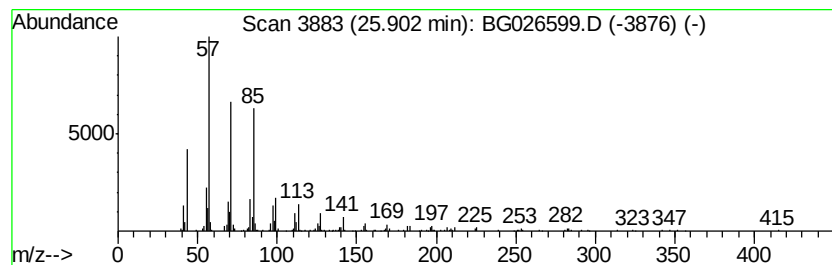
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 25.90 | 3.36 ng/ul | 560590 | Perylene-d12     | 24.80 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane               | 282 | C20H42  | 000112-95-8 | 94   |
| 2    |    | Octadecane             | 254 | C18H38  | 000593-45-3 | 93   |
| 3    |    | Tetratriacontane       | 479 | C34H70  | 014167-59-0 | 91   |
| 4    |    | Docosane, 7-hexyl-     | 394 | C28H58  | 055373-86-9 | 91   |
| 5    |    | Tetracosane, 11-decyl- | 479 | C34H70  | 055429-84-0 | 91   |



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Quant Title : SVOA CALIBRATION

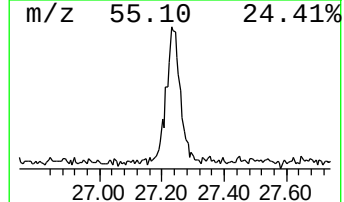
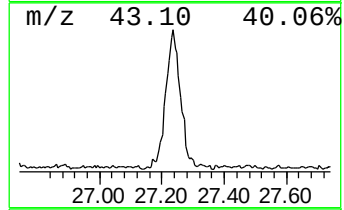
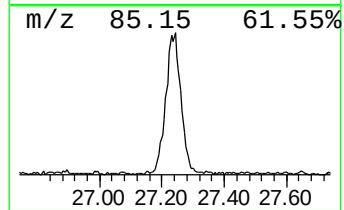
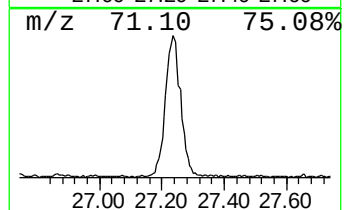
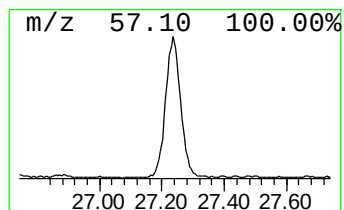
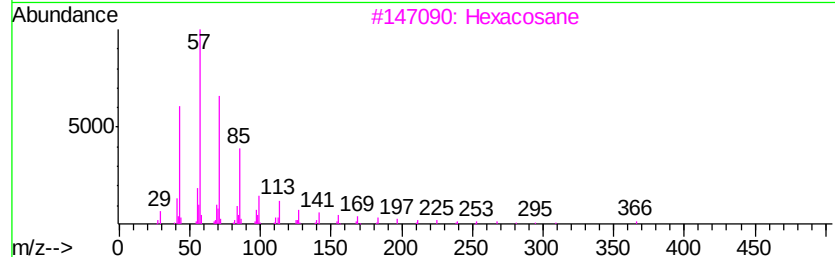
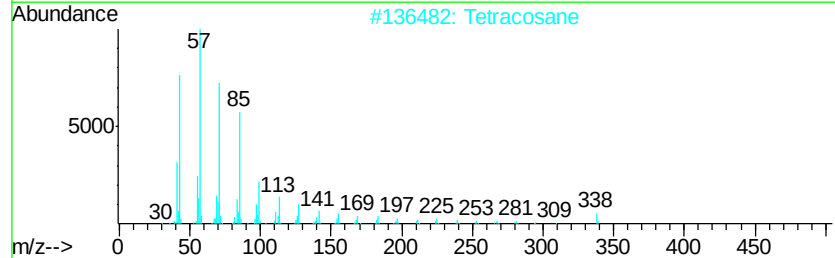
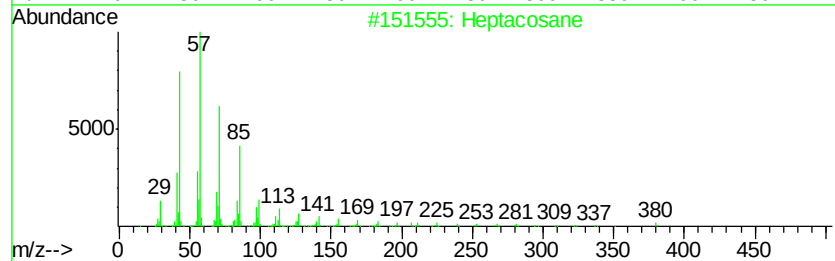
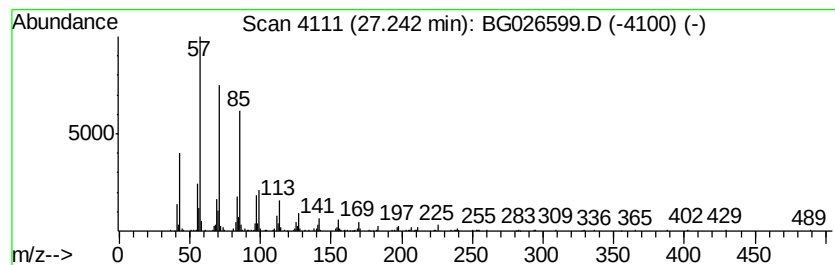
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 27.24 | 3.92 ng/ul | 653785 | Perylene-d12     | 24.80 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Heptacosane  | 380 | C27H56  | 000593-49-7 | 91   |
| 2    |    | Tetracosane  | 338 | C24H50  | 000646-31-1 | 91   |
| 3    |    | Hexacosane   | 366 | C26H54  | 000630-01-3 | 91   |
| 4    |    | Heneicosane  | 296 | C21H44  | 000629-94-7 | 90   |
| 5    |    | Eicosane     | 282 | C20H42  | 000112-95-8 | 90   |



Data Path : Z:\HPCHEM1\BNA\_G\Data\BG040717\  
Data File : BG026599.D  
Acq On : 7 Apr 2017 16:00  
Operator : SJ/MA  
Sample : I2544-02  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0BP9

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG032717MA.M  
Quant Title : SVOA CALIBRATION

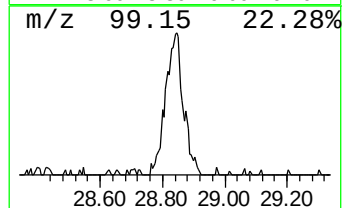
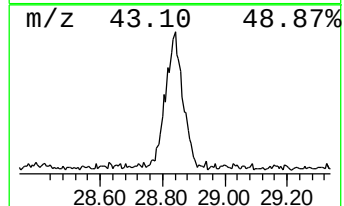
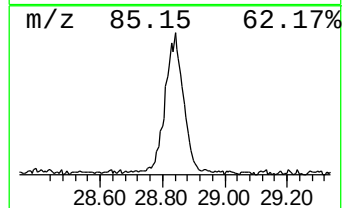
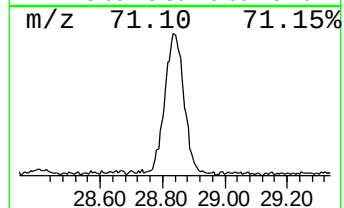
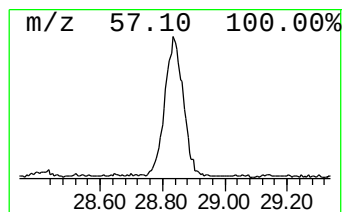
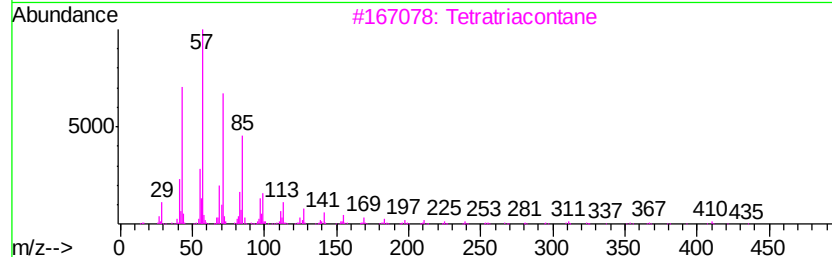
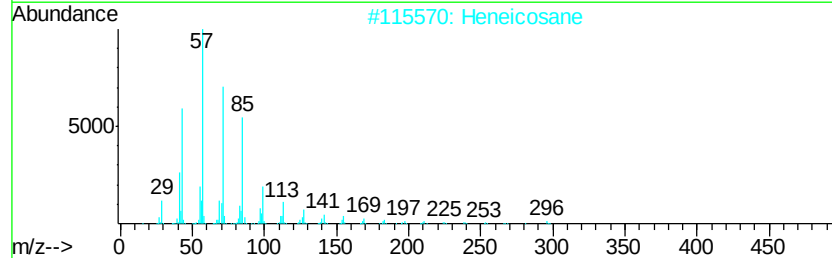
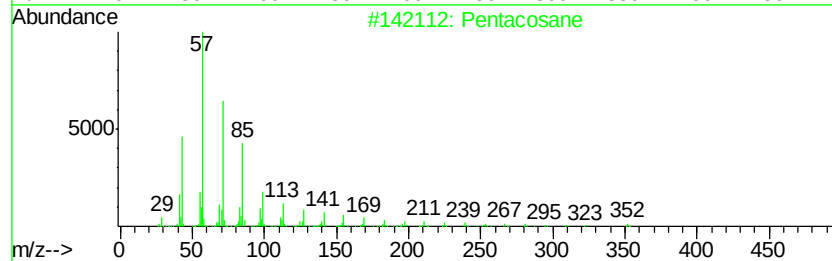
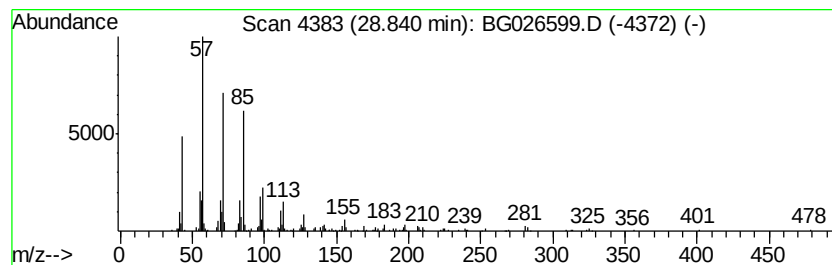
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 11

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 28.84 | 3.04 ng/ul | 506736 | Perylene-d12     | 24.80 |

| Hit# | of | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|----|------------------|-----|---------|-------------|------|
| 1    | 5  | Pentacosane      | 352 | C25H52  | 000629-99-2 | 86   |
| 2    |    | Heneicosane      | 296 | C21H44  | 000629-94-7 | 83   |
| 3    |    | Tetratriacontane | 479 | C34H70  | 014167-59-0 | 83   |
| 4    |    | Triacontane      | 422 | C30H62  | 000638-68-6 | 80   |
| 5    |    | Heneicosane      | 296 | C21H44  | 000629-94-7 | 80   |





Data Path : Z:\HPCHEM1\BNA\_G\Data\BG040717\  
Data File : BG026599.D  
Acq On : 7 Apr 2017 16:00  
Operator : SJ/MA  
Sample : I2544-02  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0BP9

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG032717MA.M  
Quant Title : SVOA CALIBRATION

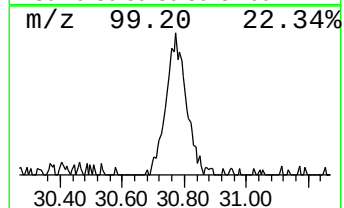
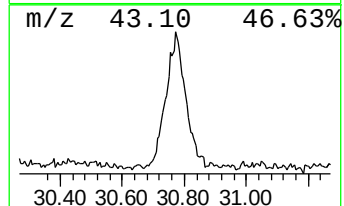
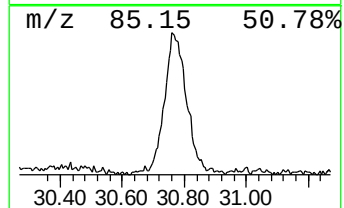
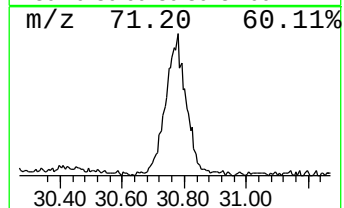
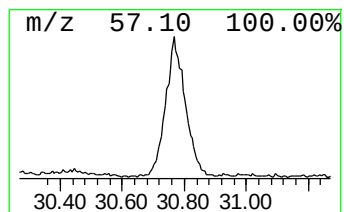
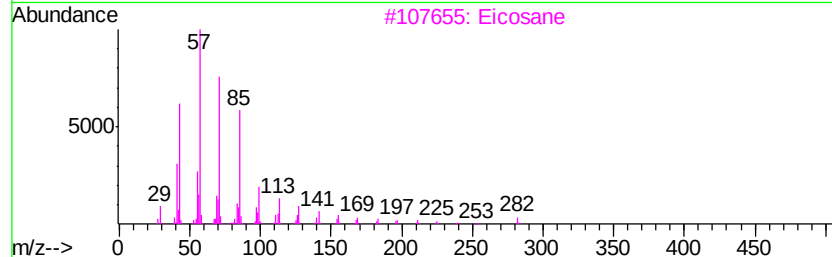
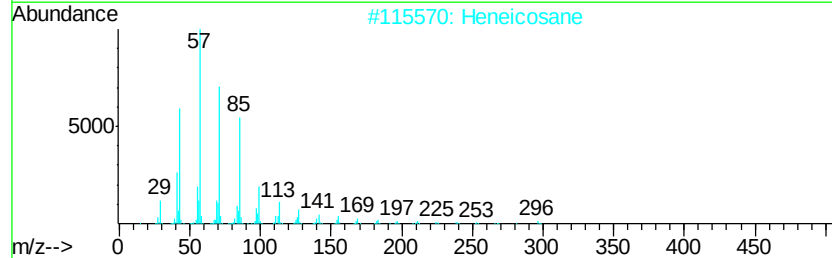
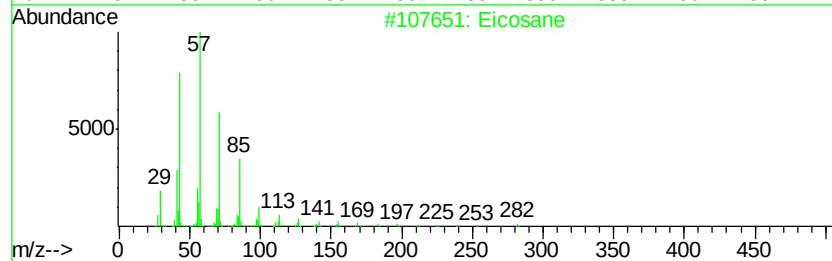
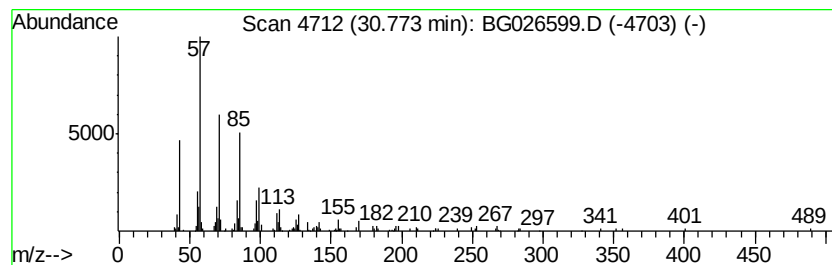
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 12

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 30.77 | 2.51 ng/ul | 417747 | Perylene-d12     | 24.80 |

| Hit# | of | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane            | 282 | C20H42  | 000112-95-8 | 90   |
| 2    |    | Heneicosane         | 296 | C21H44  | 000629-94-7 | 90   |
| 3    |    | Eicosane            | 282 | C20H42  | 000112-95-8 | 90   |
| 4    |    | Pentacosane         | 352 | C25H52  | 000629-99-2 | 87   |
| 5    |    | Eicosane, 2-methyl- | 296 | C21H44  | 001560-84-5 | 87   |



Data Path : Z:\HPCHEM1\BNA\_G\Data\BG040717\  
Data File : BG026599.D  
Acq On : 7 Apr 2017 16:00  
Operator : SJ/MA  
Sample : I2544-02  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0BP9

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG032717MA.M  
Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Benzene, 1-chloro... | 11.42 | 16.9    | ng/ul | 966341   | 2                     | 10.83 | 1144250 | 20.0 |
| unknown-01           | 18.74 | 23.5    | ng/ul | 2547860  | 4                     | 17.38 | 2170310 | 20.0 |
| (DEL) Alkane: Str... | 25.90 | 3.4     | ng/ul | 560590   | 6                     | 24.80 | 3333490 | 20.0 |
| (DEL) Alkane: Str... | 27.24 | 3.9     | ng/ul | 653785   | 6                     | 24.80 | 3333490 | 20.0 |
| (DEL) Alkane: Str... | 28.84 | 3.0     | ng/ul | 506736   | 6                     | 24.80 | 3333490 | 20.0 |
| (DEL) Alkane: Str... | 30.77 | 2.5     | ng/ul | 417747   | 6                     | 24.80 | 3333490 | 20.0 |