

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022120\  
 Data File : BG044556.D  
 Acq On : 21 Feb 2020 19:34  
 Operator : CG/JU  
 Sample : L1586-03  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 0175-COMP-CM-A-MOD-ELUTRIAT

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\_G\METHODS\8270-BG013020.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         | 5.455       | 397           | 403         | 418          | rBV      | 299604         | 508834        | 17.05%          | 2.743%        |
| 2         | 7.054       | 668           | 675         | 688          | rBV      | 215817         | 410444        | 13.75%          | 2.213%        |
| 3         | 7.882       | 808           | 816         | 823          | rBV      | 181692         | 317599        | 10.64%          | 1.712%        |
| 4         | 8.205       | 863           | 871         | 881          | rBV      | 572627         | 1016132       | 34.05%          | 5.478%        |
| 5         | 9.034       | 1005          | 1012        | 1033         | rBV      | 423653         | 797824        | 26.74%          | 4.301%        |
| 6         | 10.679      | 1285          | 1292        | 1308         | rBV      | 235806         | 444444        | 14.89%          | 2.396%        |
| 7         | 13.141      | 1703          | 1711        | 1725         | rBV      | 1202510        | 1930187       | 64.68%          | 10.405%       |
| 8         | 13.975      | 1847          | 1853        | 1865         | rBV      | 92336          | 149871        | 5.02%           | 0.808%        |
| 9         | 14.521      | 1939          | 1946        | 1955         | rBV      | 407426         | 657685        | 22.04%          | 3.545%        |
| 10        | 16.008      | 2193          | 2199        | 2218         | rBV      | 836962         | 1365585       | 45.76%          | 7.362%        |
| 11        | 17.265      | 2406          | 2413        | 2419         | rBV      | 562945         | 872256        | 29.23%          | 4.702%        |
| 12        | 19.092      | 2718          | 2724        | 2730         | rBV7     | 14031          | 33059         | 1.11%           | 0.178%        |
| 13        | 19.880      | 2852          | 2858        | 2871         | rBV      | 2197400        | 2984104       | 100.00%         | 16.087%       |
| 14        | 20.691      | 2990          | 2996        | 3000         | rBV2     | 47831          | 72619         | 2.43%           | 0.391%        |
| 15        | 21.178      | 3074          | 3079        | 3087         | rBV2     | 274667         | 465078        | 15.59%          | 2.507%        |
| 16        | 21.243      | 3087          | 3090        | 3097         | rVB      | 39044          | 66340         | 2.22%           | 0.358%        |
| 17        | 21.507      | 3128          | 3135        | 3143         | rBV      | 647311         | 1049585       | 35.17%          | 5.658%        |
| 18        | 21.713      | 3164          | 3170        | 3182         | rBV      | 232203         | 332970        | 11.16%          | 1.795%        |
| 19        | 22.295      | 3262          | 3269        | 3282         | rBV      | 356923         | 615259        | 20.62%          | 3.317%        |
| 20        | 22.958      | 3369          | 3382        | 3391         | rBV2     | 476260         | 1118100       | 37.47%          | 6.027%        |
| 21        | 23.722      | 3502          | 3512        | 3524         | rBV      | 463955         | 976776        | 32.73%          | 5.266%        |
| 22        | 24.580      | 3647          | 3658        | 3661         | rBV      | 421709         | 1089690       | 36.52%          | 5.874%        |
| 23        | 25.685      | 3836          | 3846        | 3859         | rBV2     | 247036         | 736978        | 24.70%          | 3.973%        |
| 24        | 26.966      | 4053          | 4064        | 4076         | rBV2     | 115568         | 407069        | 13.64%          | 2.194%        |
| 25        | 28.505      | 4318          | 4326        | 4341         | rVB4     | 33748          | 131502        | 4.41%           | 0.709%        |

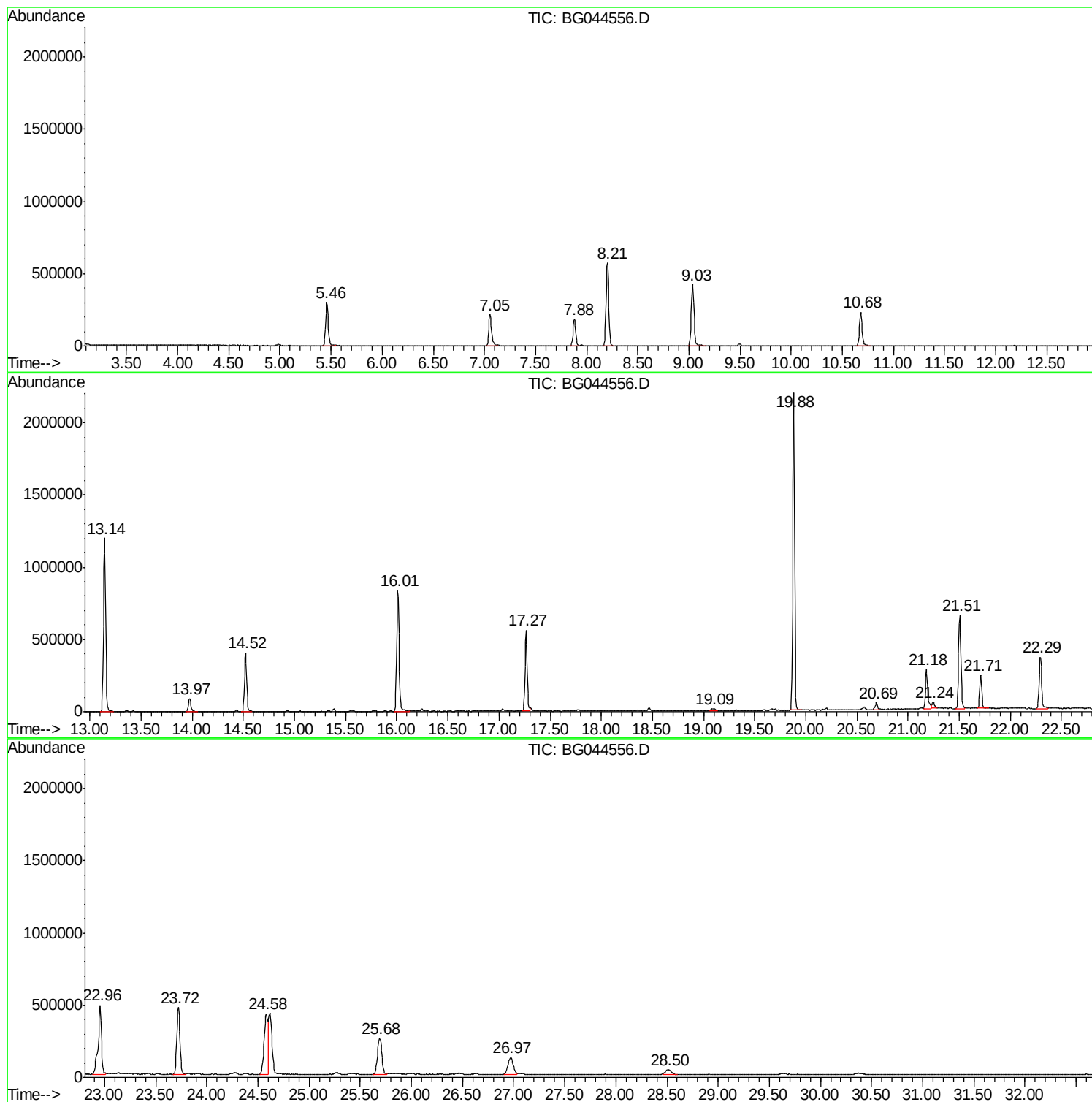
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Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
0175-COMP-CM-A-MOD-ELUTRIAT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.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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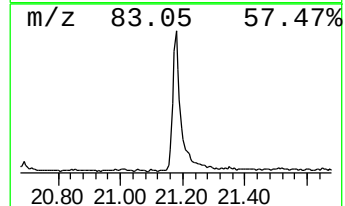
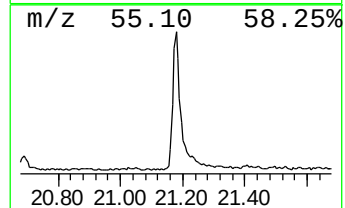
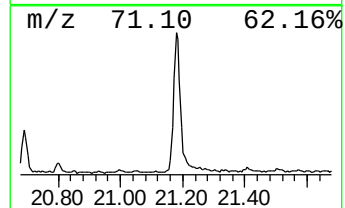
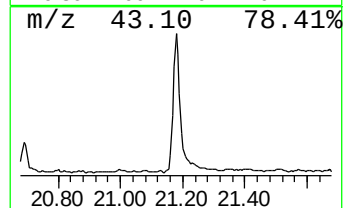
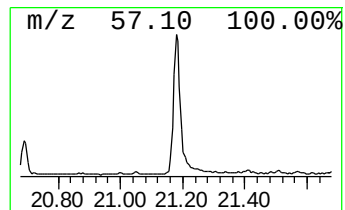
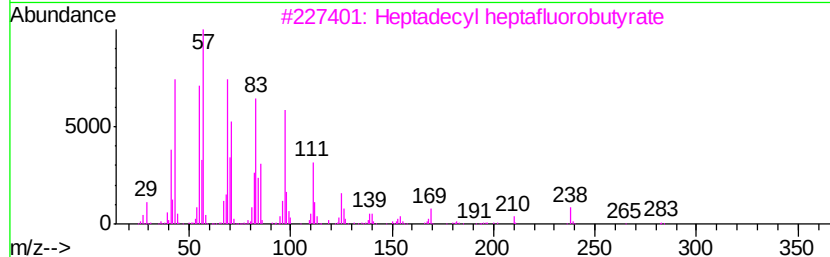
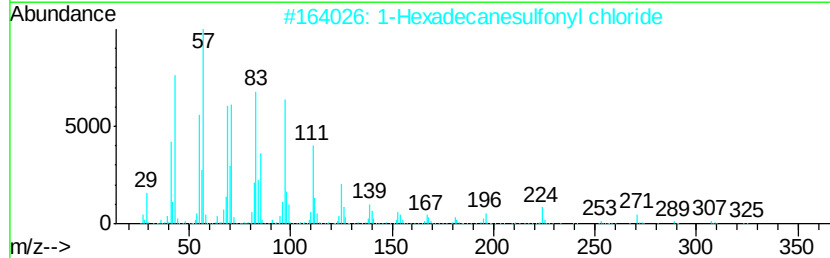
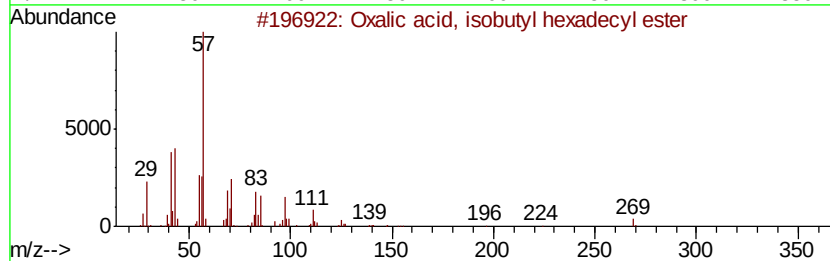
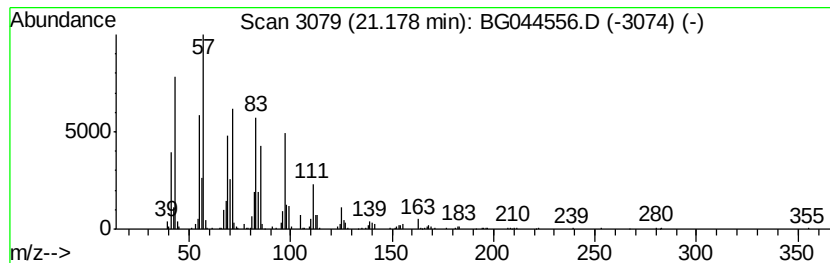
Instrument :  
BNA\_G  
ClientSampleId :  
0175-COMP-CM-A-MOD-ELUTRIAT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.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 2 Oxalic acid, isobutyl hexad... Concentration Rank 6

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.        |              |      |
|---------|---------|-------------------------------------|------------------|-------------|--------------|------|
| 21.18   | 8.86 ng | 465078                              | Chrysene-d12     | 21.51       |              |      |
| Hit# of | 5       | Tentative ID                        | MW               | MolForm     | CAS#         | Qual |
| 1       |         | Oxalic acid, isobutyl hexadecyl ... | 370              | C22H42O4    | 1000309-38-1 | 91   |
| 2       |         | 1-Hexadecanesulfonyl chloride       | 324              | C16H33ClO2S | 038775-38-1  | 90   |
| 3       |         | Heptadecyl heptafluorobutyrate      | 452              | C21H35F7O2  | 959085-66-6  | 81   |
| 4       |         | Pentafluoropropionic acid, hepta... | 402              | C20H35F5O2  | 959218-78-1  | 81   |
| 5       |         | Ethanol, 2-(tetradecyloxy)-         | 258              | C16H34O2    | 002136-70-1  | 81   |



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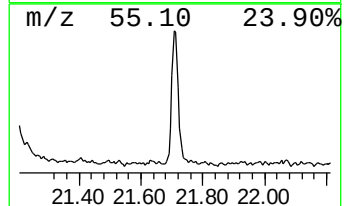
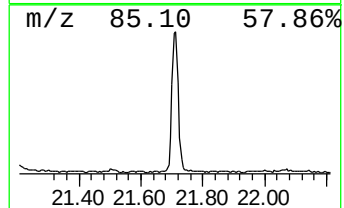
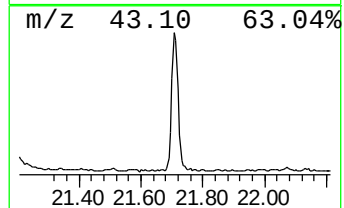
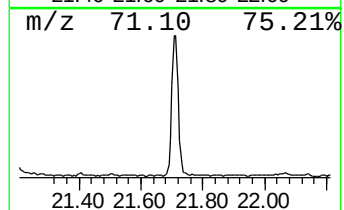
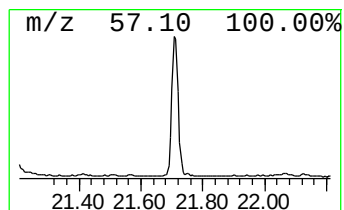
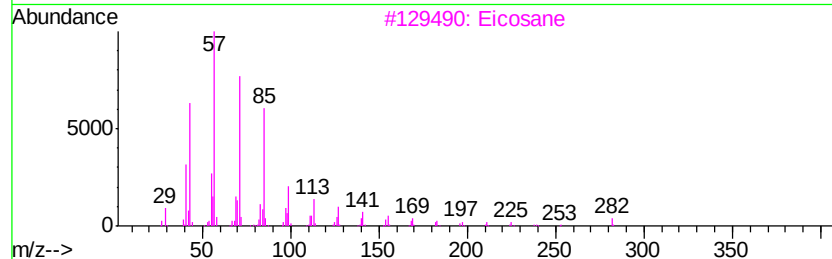
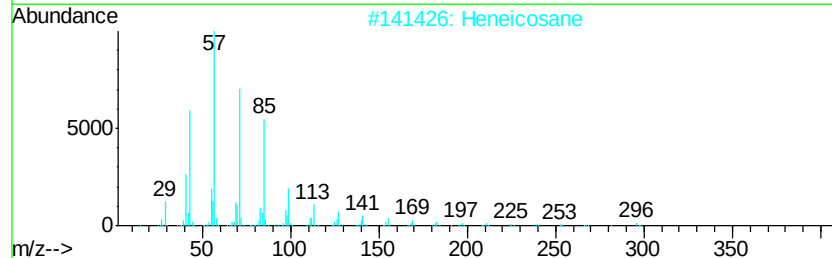
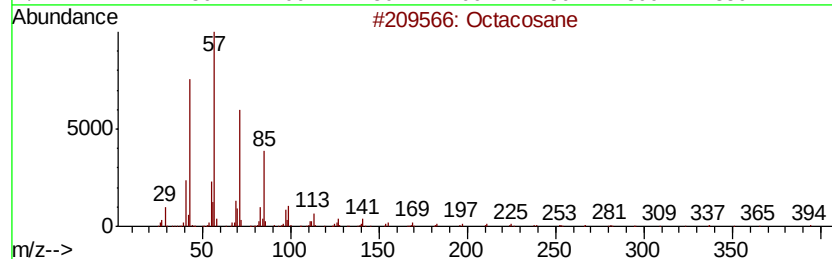
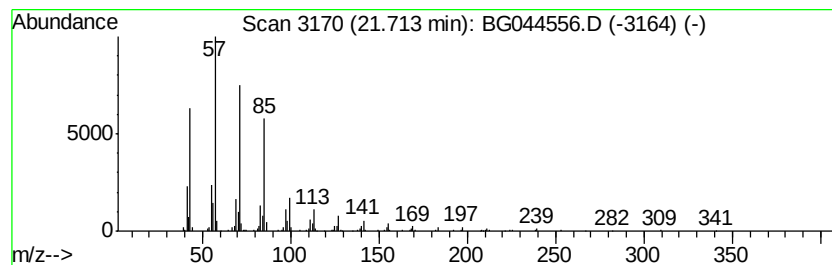
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Octacosane Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 21.71 | 6.34 ng | 332970 | Chrysene-d12     | 21.51 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------|-----|---------|--------------|------|
| 1    | 5  | Octacosane         | 394 | C28H58  | 000630-02-4  | 91   |
| 2    |    | Heneicosane        | 296 | C21H44  | 000629-94-7  | 91   |
| 3    |    | Eicosane           | 282 | C20H42  | 000112-95-8  | 91   |
| 4    |    | Hexacosane         | 366 | C26H54  | 000630-01-3  | 91   |
| 5    |    | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 91   |



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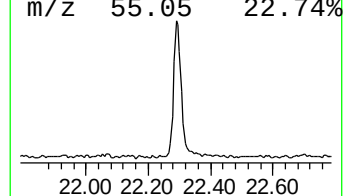
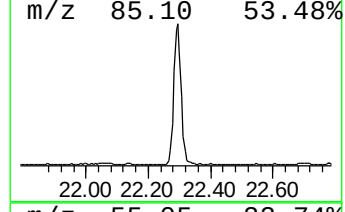
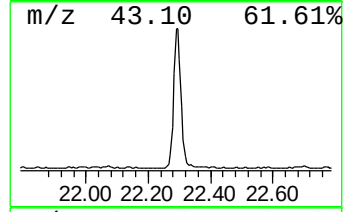
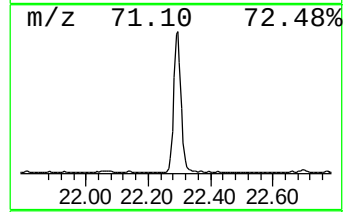
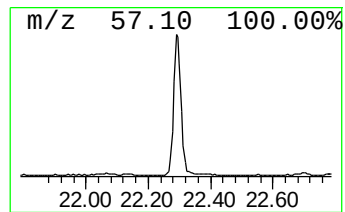
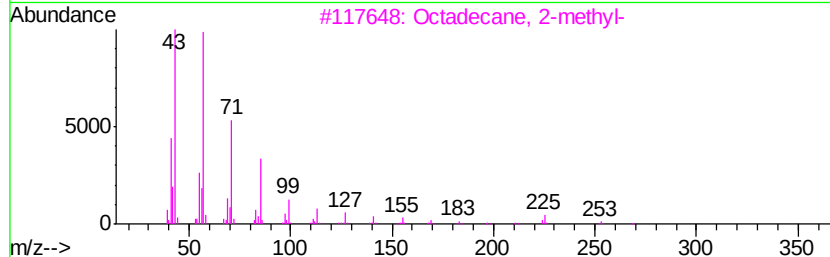
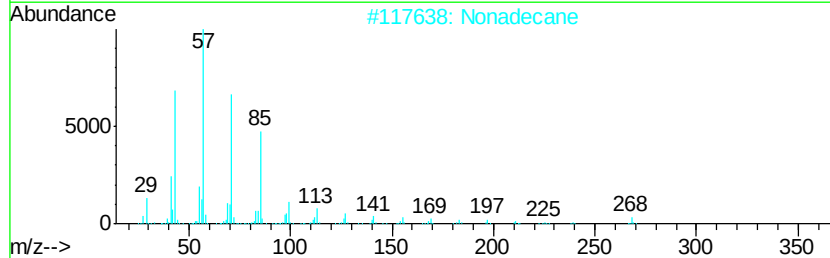
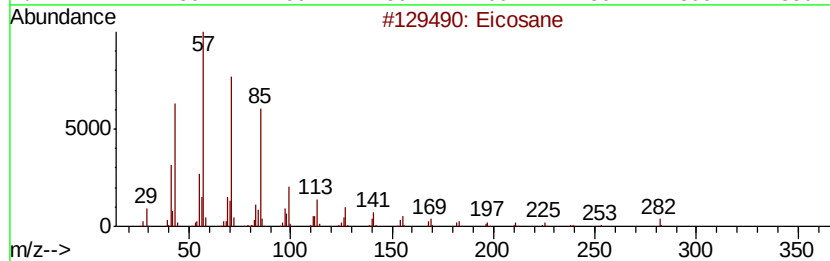
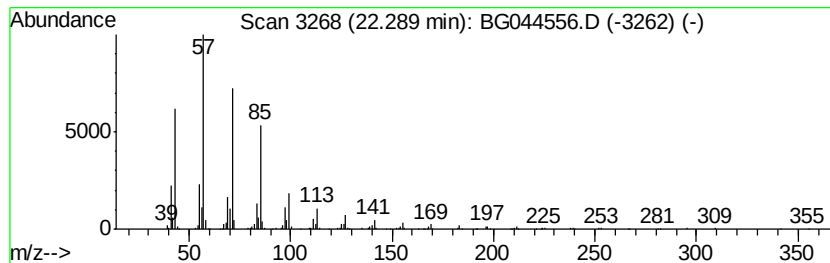
Instrument :  
BNA\_G  
ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L  
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Peak Number 4 Eicosane Concentration Rank 5

| R.T.      | EstConc               | Area   | Relative to ISTD | R.T.        |      |
|-----------|-----------------------|--------|------------------|-------------|------|
| 22.29     | 11.72 ng              | 615259 | Chrysene-d12     | 21.51       |      |
| Hit# of 5 | Tentative ID          | MW     | MolForm          | CAS#        | Qual |
| 1         | Eicosane              | 282    | C20H42           | 000112-95-8 | 98   |
| 2         | Nonadecane            | 268    | C19H40           | 000629-92-5 | 94   |
| 3         | Octadecane, 2-methyl- | 268    | C19H40           | 001560-88-9 | 91   |
| 4         | Heneicosane           | 296    | C21H44           | 000629-94-7 | 91   |
| 5         | Octacosane            | 394    | C28H58           | 000630-02-4 | 91   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

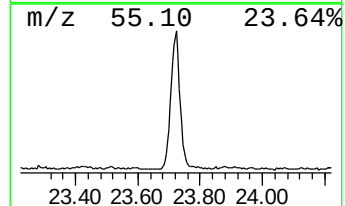
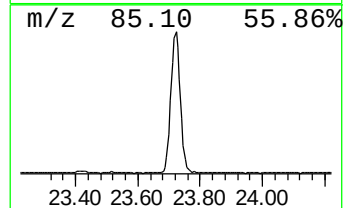
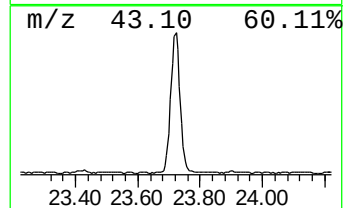
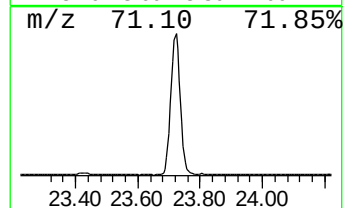
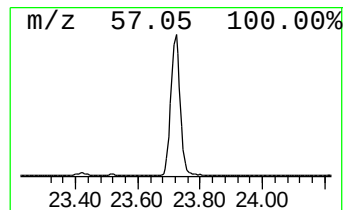
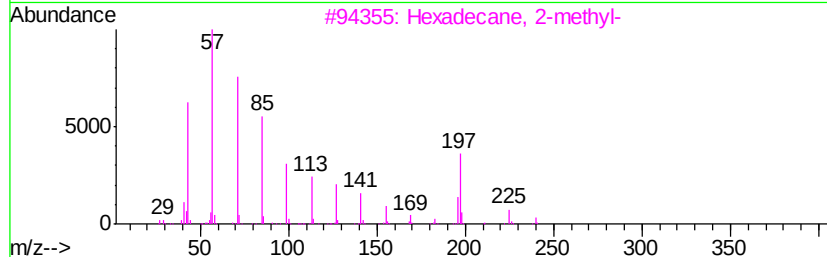
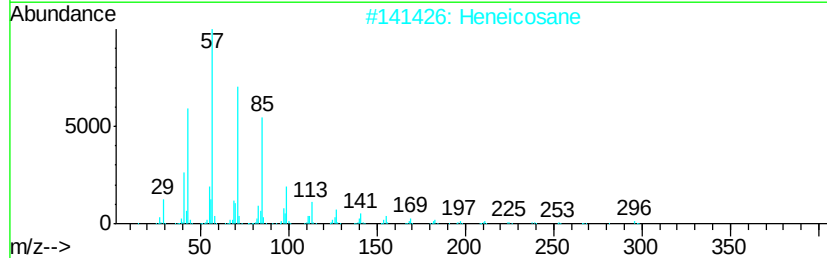
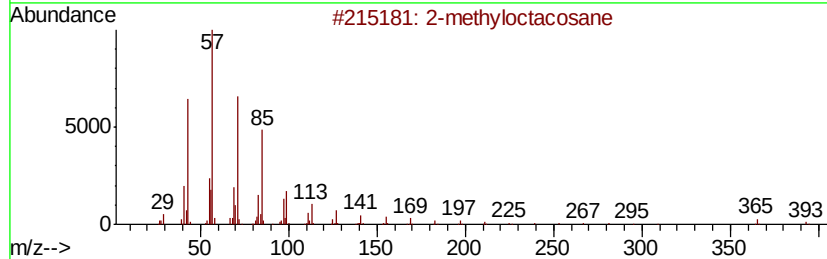
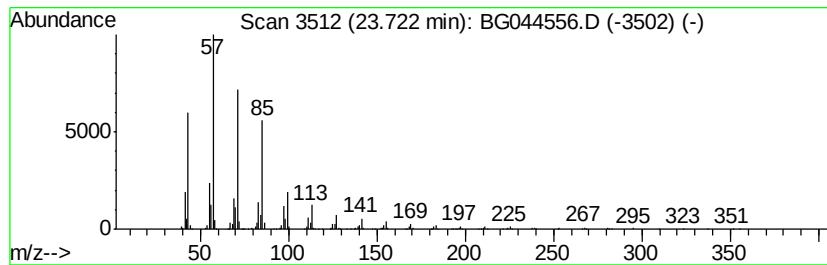
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 2-methyloctacosane Concentration Rank 3

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 23.72 | 17.93 ng | 976776 | Perylene-d12     | 24.58 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#         | Qual |
|------|----|-----------------------|-----|---------|--------------|------|
| 1    | 5  | 2-methyloctacosane    | 408 | C29H60  | 1000376-72-8 | 91   |
| 2    |    | Heneicosane           | 296 | C21H44  | 000629-94-7  | 91   |
| 3    |    | Hexadecane, 2-methyl- | 240 | C17H36  | 001560-92-5  | 90   |
| 4    |    | Hexacosane            | 366 | C26H54  | 000630-01-3  | 90   |
| 5    |    | Octacosane            | 394 | C28H58  | 000630-02-4  | 90   |



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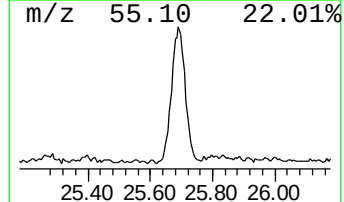
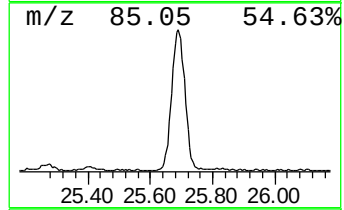
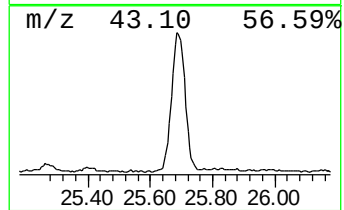
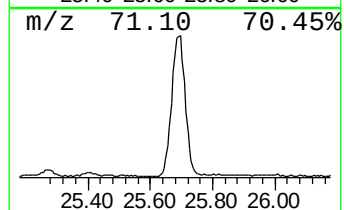
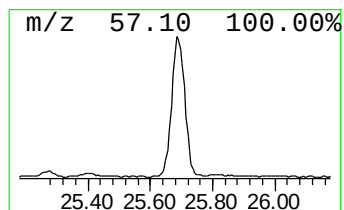
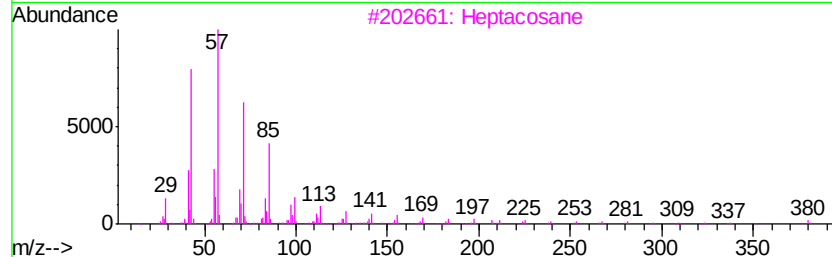
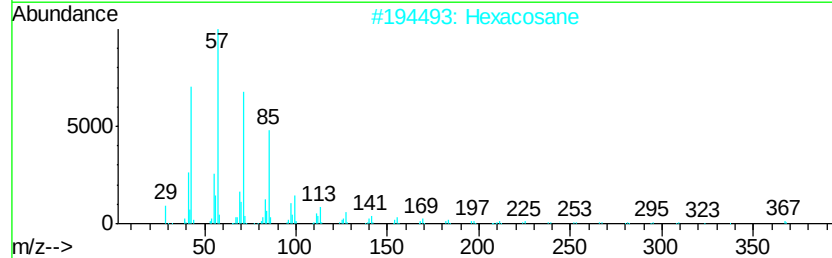
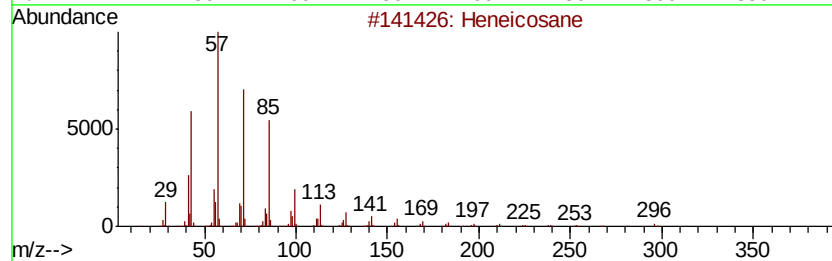
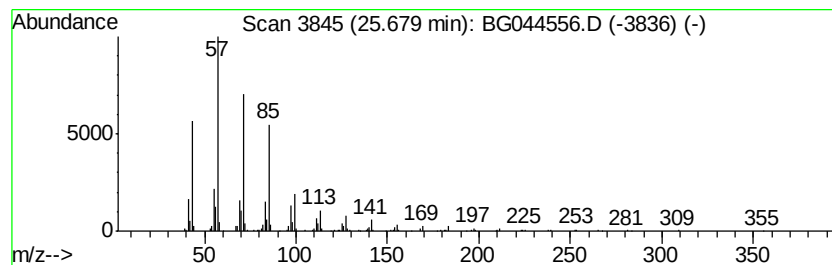
TIC Library : C:\Database\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 7 Heneicosane Concentration Rank 4

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 25.68 | 13.53 ng | 736978 | Perylene-d12     | 24.58 |

| Hit# of | 5                  | Tentative ID | MW  | MolForm | CAS#         | Qual |
|---------|--------------------|--------------|-----|---------|--------------|------|
| 1       | Heneicosane        |              | 296 | C21H44  | 000629-94-7  | 91   |
| 2       | Hexacosane         |              | 366 | C26H54  | 000630-01-3  | 91   |
| 3       | Heptacosane        |              | 380 | C27H56  | 000593-49-7  | 91   |
| 4       | Octacosane         |              | 394 | C28H58  | 000630-02-4  | 91   |
| 5       | 2-methyloctacosane |              | 408 | C29H60  | 1000376-72-8 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022120\  
Data File : BG044556.D  
Acq On : 21 Feb 2020 19:34  
Operator : CG/JU  
Sample : L1586-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
0175-COMP-CM-A-MOD-ELUTRIAT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

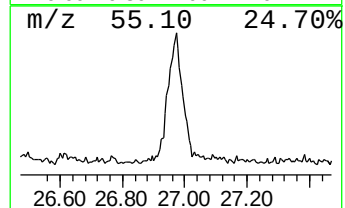
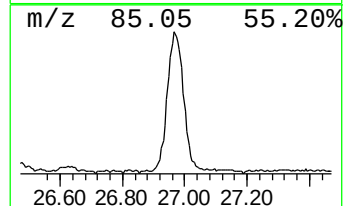
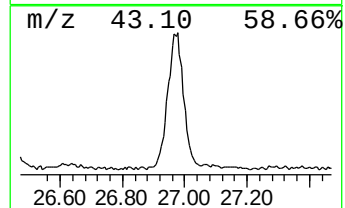
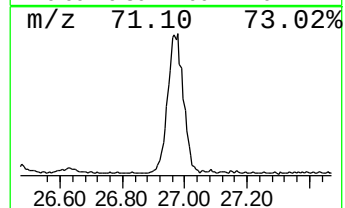
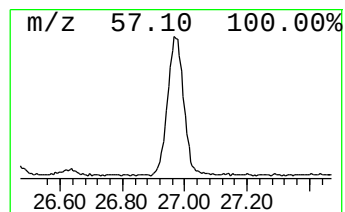
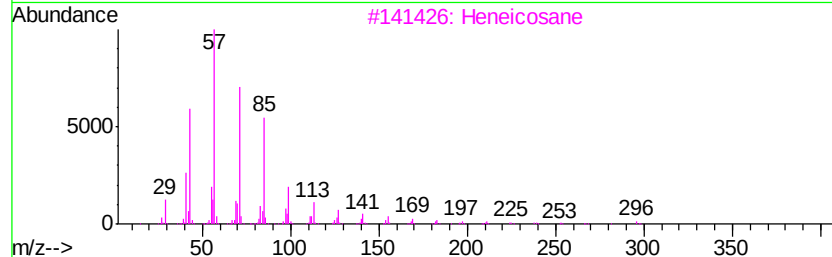
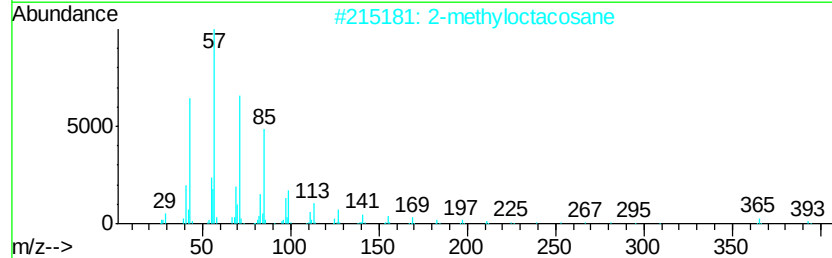
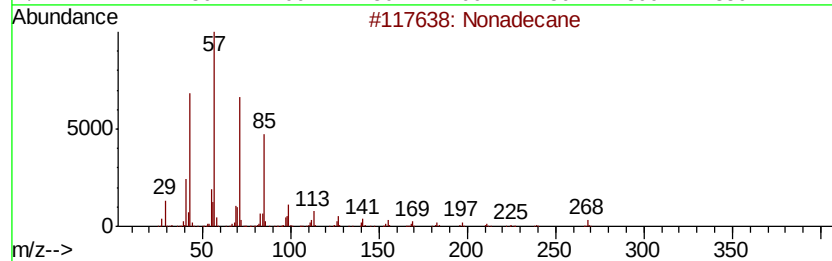
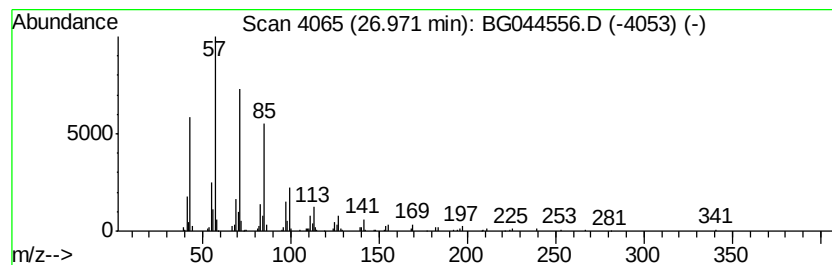
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Nonadecane Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 26.97 | 7.47 ng | 407069 | Perylene-d12     | 24.58 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------|-----|---------|--------------|------|
| 1    | 5  | Nonadecane         | 268 | C19H40  | 000629-92-5  | 94   |
| 2    |    | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 91   |
| 3    |    | Heneicosane        | 296 | C21H44  | 000629-94-7  | 91   |
| 4    |    | Octacosane         | 394 | C28H58  | 000630-02-4  | 90   |
| 5    |    | Hexacosane         | 366 | C26H54  | 000630-01-3  | 90   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG022120\  
Data File : BG044556.D  
Acq On : 21 Feb 2020 19:34  
Operator : CG/JU  
Sample : L1586-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
0175-COMP-CM-A-MOD-ELUTRIAT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG013020.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 |
| Oxalic acid, isob... | 21.18 | 8.9     | ng    | 465078   | 5                     | 21.51 | 1049590 | 20.0 |
| Octacosane           | 21.71 | 6.3     | ng    | 332970   | 5                     | 21.51 | 1049590 | 20.0 |
| Eicosane             | 22.29 | 11.7    | ng    | 615259   | 5                     | 21.51 | 1049590 | 20.0 |
| 2-methyloctacosane   | 23.72 | 17.9    | ng    | 976776   | 6                     | 24.58 | 1089690 | 20.0 |
| Heneicosane          | 25.68 | 13.5    | ng    | 736978   | 6                     | 24.58 | 1089690 | 20.0 |
| Nonadecane           | 26.97 | 7.5     | ng    | 407069   | 6                     | 24.58 | 1089690 | 20.0 |