

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062620\  
 Data File : BG045871.D  
 Acq On : 26 Jun 2020 13:22  
 Operator : CG/JU  
 Sample : L3101-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EBS8-S-02

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-BG061520.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         | 5.514       | 407           | 413         | 425          | rBV      | 331700         | 590202        | 19.13%          | 2.259%        |
| 2         | 7.135       | 680           | 689         | 701          | rBV      | 464997         | 869418        | 28.18%          | 3.328%        |
| 3         | 7.910       | 814           | 821         | 831          | rBV      | 191650         | 330236        | 10.70%          | 1.264%        |
| 4         | 8.233       | 869           | 876         | 885          | rBV      | 345148         | 606947        | 19.67%          | 2.323%        |
| 5         | 9.074       | 1011          | 1019        | 1031         | rBV      | 313185         | 587165        | 19.03%          | 2.247%        |
| 6         | 10.718      | 1292          | 1299        | 1310         | rBV      | 247359         | 458099        | 14.85%          | 1.753%        |
| 7         | 13.180      | 1710          | 1718        | 1728         | rBV      | 1033477        | 1633101       | 52.93%          | 6.250%        |
| 8         | 14.014      | 1853          | 1860        | 1867         | rBV      | 89037          | 141135        | 4.57%           | 0.540%        |
| 9         | 14.560      | 1947          | 1953        | 1963         | rBV2     | 391396         | 651442        | 21.11%          | 2.493%        |
| 10        | 16.064      | 2201          | 2209        | 2225         | rBV      | 987583         | 1667876       | 54.06%          | 6.384%        |
| 11        | 16.722      | 2314          | 2321        | 2328         | rBV9     | 23113          | 54481         | 1.77%           | 0.209%        |
| 12        | 17.221      | 2402          | 2406        | 2411         | rBV7     | 16563          | 32658         | 1.06%           | 0.125%        |
| 13        | 17.315      | 2415          | 2422        | 2429         | rVV      | 498252         | 784653        | 25.43%          | 3.003%        |
| 14        | 17.697      | 2483          | 2487        | 2491         | rBV6     | 21629          | 34590         | 1.12%           | 0.132%        |
| 15        | 18.220      | 2572          | 2576        | 2583         | rBV4     | 47014          | 68142         | 2.21%           | 0.261%        |
| 16        | 18.972      | 2700          | 2704        | 2708         | rBV      | 53921          | 69410         | 2.25%           | 0.266%        |
| 17        | 19.066      | 2715          | 2720        | 2728         | rBV4     | 55848          | 106100        | 3.44%           | 0.406%        |
| 18        | 19.131      | 2728          | 2731        | 2735         | rVB4     | 28262          | 36765         | 1.19%           | 0.141%        |
| 19        | 19.213      | 2741          | 2745        | 2749         | rBV6     | 23221          | 32996         | 1.07%           | 0.126%        |
| 20        | 19.377      | 2769          | 2773        | 2777         | rBV4     | 36998          | 52553         | 1.70%           | 0.201%        |
| 21        | 19.418      | 2777          | 2780        | 2785         | rVB3     | 41346          | 55138         | 1.79%           | 0.211%        |
| 22        | 19.935      | 2862          | 2868        | 2873         | rBV      | 2214195        | 3085428       | 100.00%         | 11.809%       |
| 23        | 20.211      | 2911          | 2915        | 2918         | rBV      | 124370         | 171230        | 5.55%           | 0.655%        |
| 24        | 20.482      | 2958          | 2961        | 2964         | rBV4     | 41470          | 57952         | 1.88%           | 0.222%        |
| 25        | 20.529      | 2966          | 2969        | 2972         | rVV3     | 37619          | 59655         | 1.93%           | 0.228%        |
| 26        | 20.670      | 2991          | 2993        | 2997         | rVB      | 42588          | 42252         | 1.37%           | 0.162%        |
| 27        | 20.828      | 3015          | 3020        | 3024         | rBV      | 62309          | 81611         | 2.65%           | 0.312%        |
| 28        | 21.228      | 3083          | 3088        | 3099         | rBV      | 507480         | 753207        | 24.41%          | 2.883%        |
| 29        | 21.568      | 3141          | 3146        | 3161         | rVB      | 528353         | 948501        | 30.74%          | 3.630%        |
| 30        | 21.774      | 3178          | 3181        | 3186         | rBV6     | 38051          | 48356         | 1.57%           | 0.185%        |
| 31        | 22.003      | 3217          | 3220        | 3226         | rVB3     | 59494          | 81619         | 2.65%           | 0.312%        |
| 32        | 22.379      | 3277          | 3284        | 3294         | rBV      | 536033         | 1118546       | 36.25%          | 4.281%        |
| 33        | 23.207      | 3421          | 3425        | 3433         | rVB      | 81914          | 157575        | 5.11%           | 0.603%        |
| 34        | 23.366      | 3446          | 3452        | 3460         | rVB2     | 150024         | 294755        | 9.55%           | 1.128%        |

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 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EBS8-S-02

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\_G\METHODS\8270-BG061520.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 23.807 | 3521 | 3527 | 3533 | rBV  | 195117 | 417342  | 13.53% | 1.597% |
| 36 | 23.871 | 3533 | 3538 | 3547 | rVB4 | 164547 | 403038  | 13.06% | 1.543% |
| 37 | 24.006 | 3556 | 3561 | 3573 | rVB5 | 49580  | 119169  | 3.86%  | 0.456% |
| 38 | 24.699 | 3671 | 3679 | 3690 | rVB2 | 308560 | 865910  | 28.06% | 3.314% |
| 39 | 25.222 | 3761 | 3768 | 3781 | rVB5 | 161833 | 450219  | 14.59% | 1.723% |
| 40 | 25.810 | 3859 | 3868 | 3880 | rVB2 | 248924 | 740351  | 24.00% | 2.834% |
| 41 | 25.933 | 3882 | 3889 | 3903 | rBV3 | 135092 | 472744  | 15.32% | 1.809% |
| 42 | 27.877 | 4216 | 4220 | 4231 | rVB7 | 84325  | 238833  | 7.74%  | 0.914% |
| 43 | 29.105 | 4416 | 4429 | 4452 | rVB7 | 426721 | 1977875 | 64.10% | 7.570% |
| 44 | 29.840 | 4543 | 4554 | 4565 | rBV7 | 102583 | 471221  | 15.27% | 1.804% |
| 45 | 29.992 | 4567 | 4580 | 4597 | rVB5 | 373529 | 1760332 | 57.05% | 6.737% |
| 46 | 30.633 | 4674 | 4689 | 4709 | rVB6 | 361039 | 1851643 | 60.01% | 7.087% |
| 47 | 31.872 | 4890 | 4900 | 4904 | rBV6 | 181014 | 595062  | 19.29% | 2.278% |

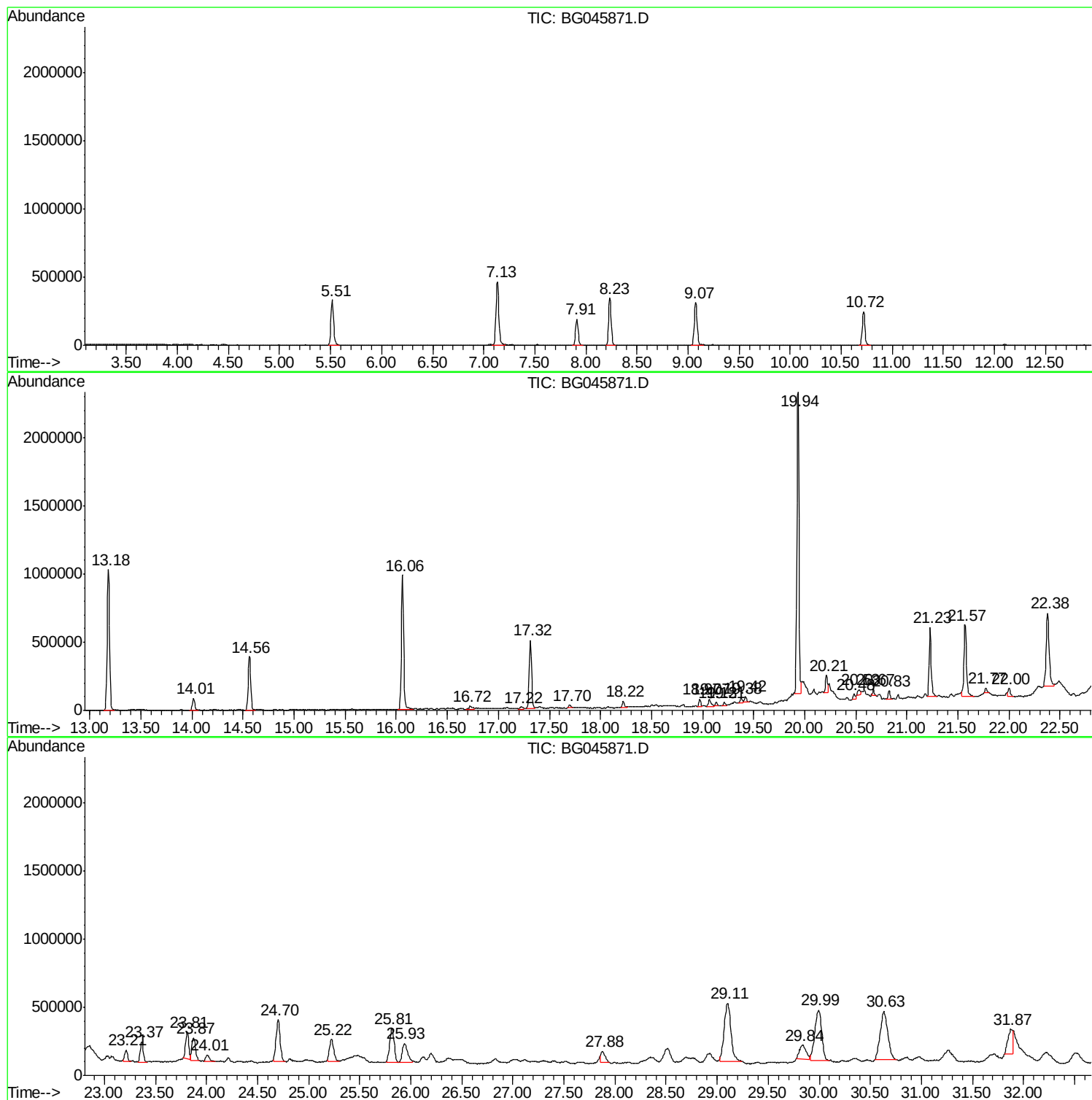
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Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062620\  
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Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
EBS8-S-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062620\  
 Data File : BG045871.D  
 Acq On : 26 Jun 2020 13:22  
 Operator : CG/JU  
 Sample : L3101-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

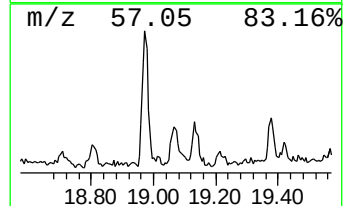
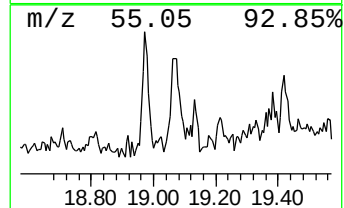
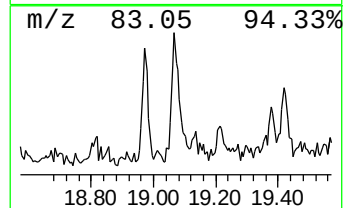
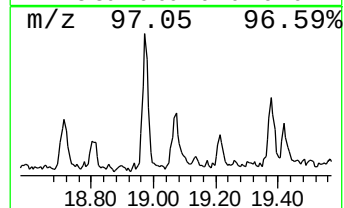
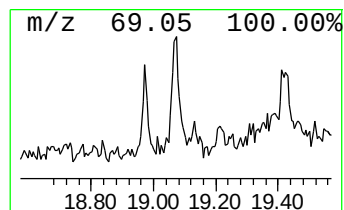
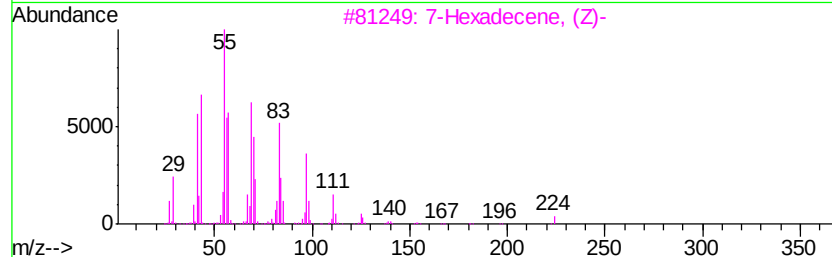
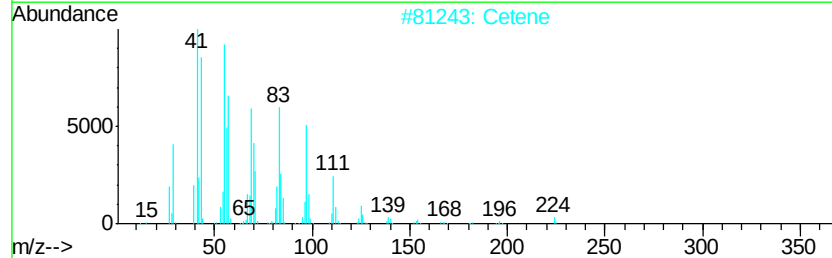
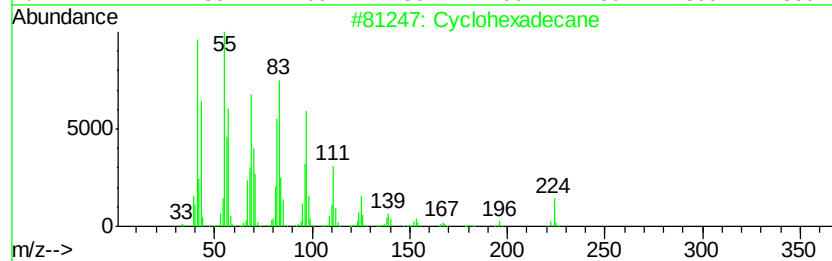
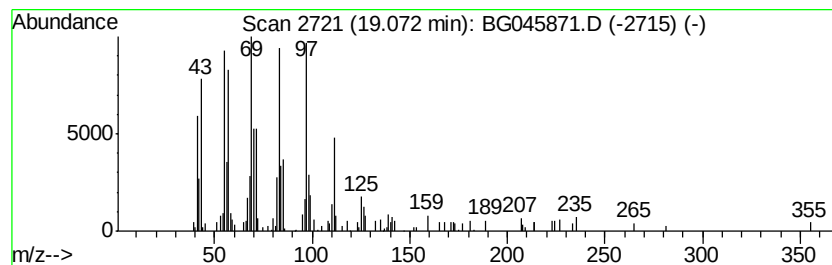
Instrument :  
 BNA\_G  
 ClientSampleId :  
 EBS8-S-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.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 Cetene Concentration Rank 19

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 19.07     | 2.70 ng                             | 106100 | Phenanthrene-d10 | 17.32       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Cyclohexadecane                     | 224    | C16H32           | 000295-65-8 | 83   |
| 2         | Cetene                              | 224    | C16H32           | 000629-73-2 | 78   |
| 3         | 7-Hexadecene, (Z)-                  | 224    | C16H32           | 035507-09-6 | 76   |
| 4         | Heptafluorobutyric acid, pentade... | 424    | C19H31F7O2       | 959261-23-5 | 76   |
| 5         | Tetradecyl trifluoroacetate         | 310    | C16H29F3O2       | 006222-02-2 | 76   |



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ALS Vial : 6 Sample Multiplier: 1

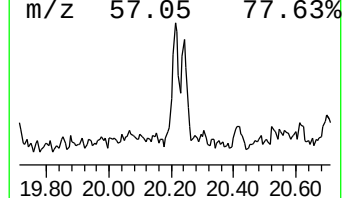
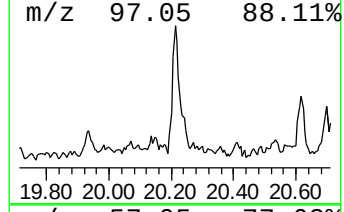
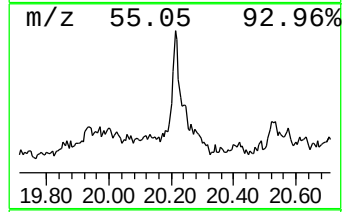
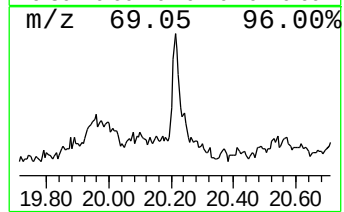
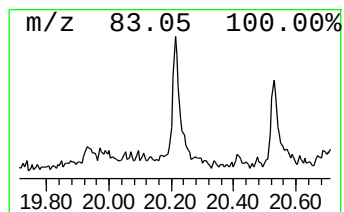
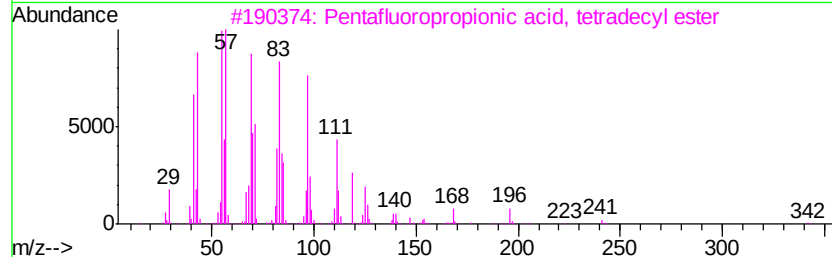
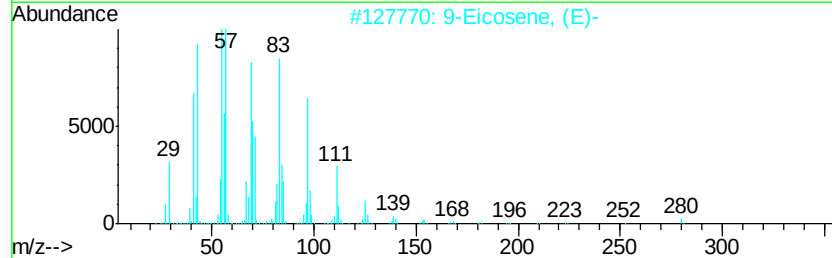
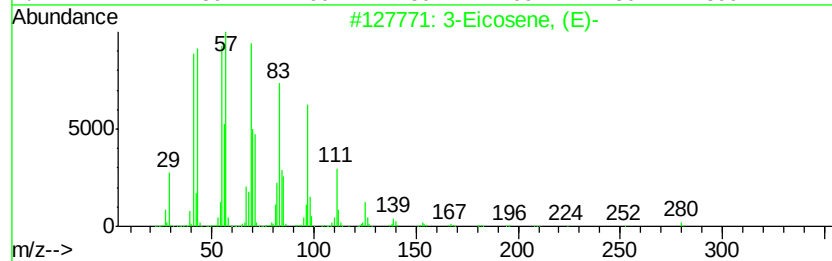
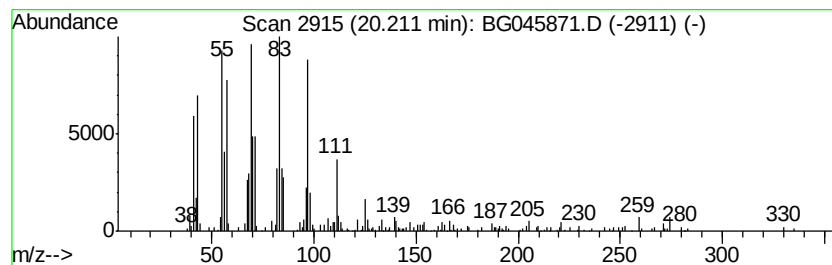
Instrument :  
BNA\_G  
ClientSampleId :  
EBS8-S-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.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 3 9-Eicosene, (E)- Concentration Rank 17

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 20.21     | 3.61 ng                             | 171230 | Chrysene-d12     | 21.57       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 3-Eicosene, (E)-                    | 280    | C20H40           | 074685-33-9 | 95   |
| 2         | 9-Eicosene, (E)-                    | 280    | C20H40           | 074685-29-3 | 91   |
| 3         | Pentafluoropropionic acid, tetra... | 360    | C17H29F5O2       | 006222-06-6 | 91   |
| 4         | Bromoacetic acid, octadecyl ester   | 390    | C20H39BrO2       | 018992-03-5 | 91   |
| 5         | Trifluoroacetic acid, pentadecyl... | 324    | C17H31F3O2       | 959010-23-2 | 91   |



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 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EBS8-S-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

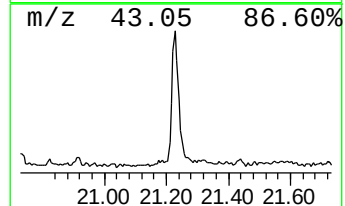
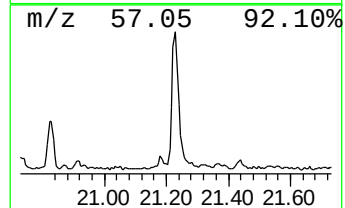
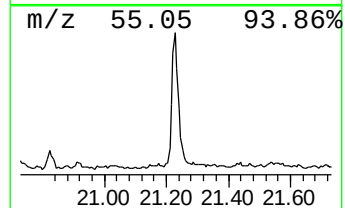
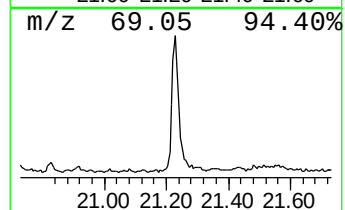
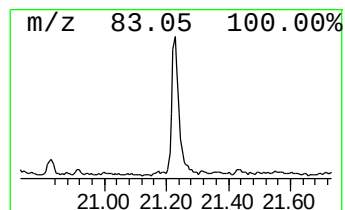
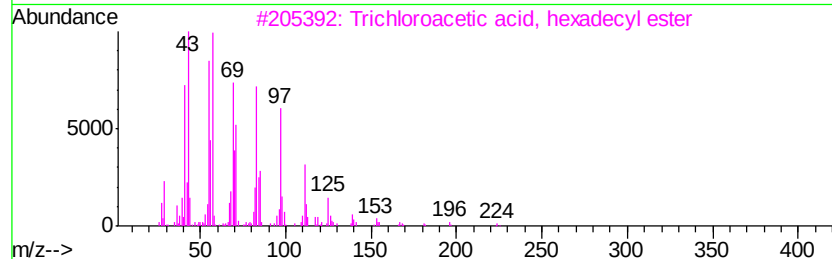
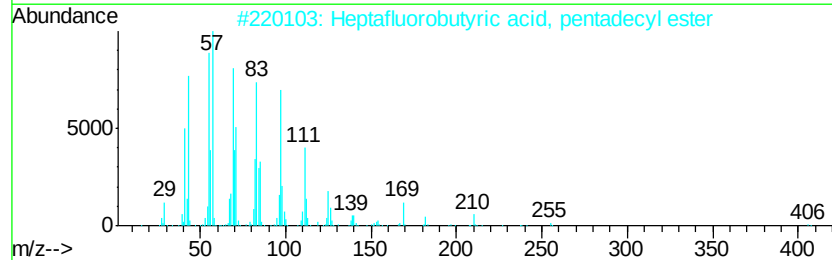
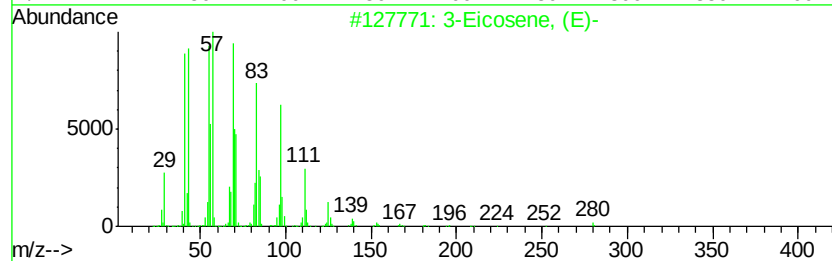
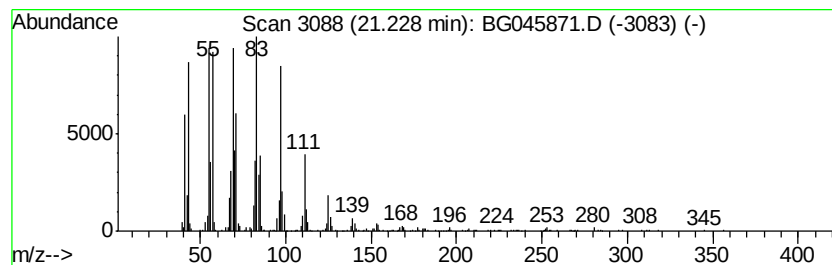
TIC Library : C:\Database\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 4 3-Eicosene, (E)- Concentration Rank 7

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 21.23 | 15.88 ng | 753207 | Chrysene-d12     | 21.57 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|---------|---|-------------------------------------|-----|-------------|-------------|------|
| 1       |   | 3-Eicosene, (E)-                    | 280 | C20H40      | 074685-33-9 | 97   |
| 2       |   | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2  | 959261-23-5 | 94   |
| 3       |   | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 91   |
| 4       |   | Bromoacetic acid, octadecyl ester   | 390 | C20H39BrO2  | 018992-03-5 | 91   |
| 5       |   | n-Nonadecanol-1                     | 284 | C19H40O     | 001454-84-8 | 90   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

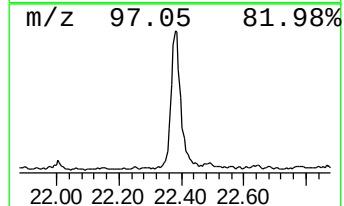
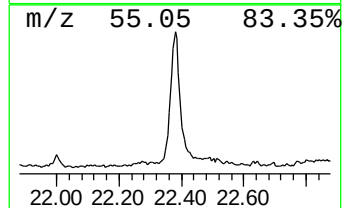
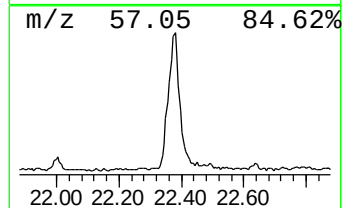
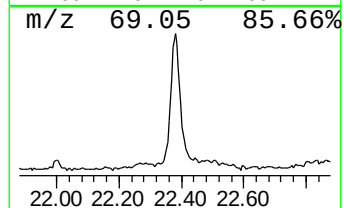
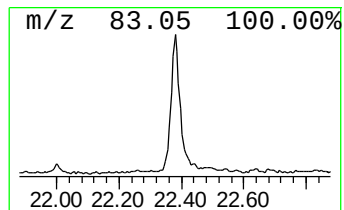
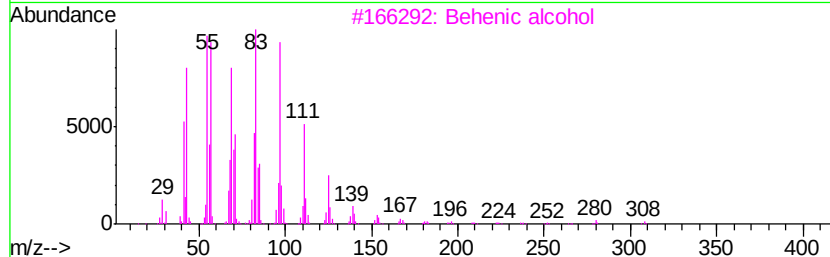
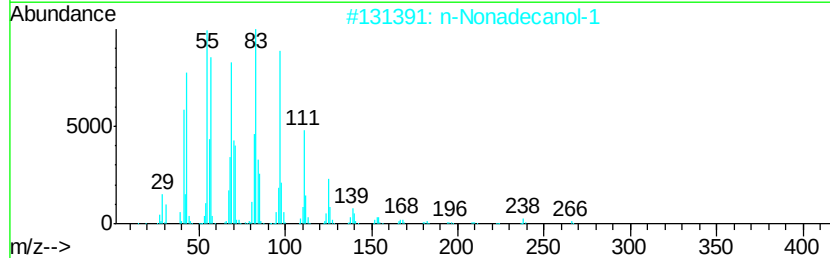
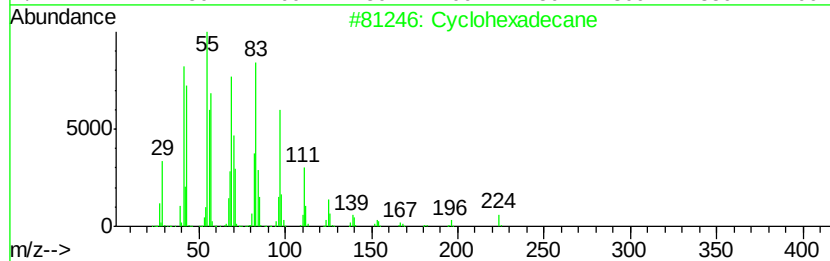
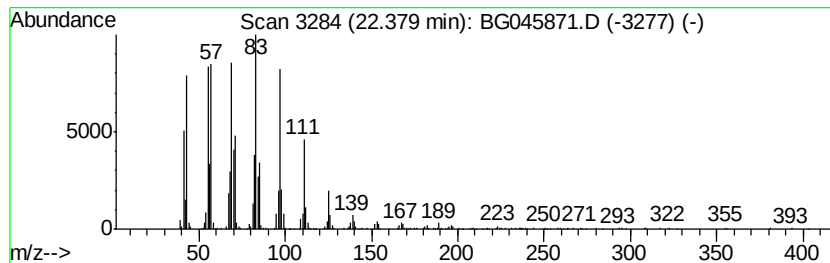
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Cyclohexadecane Concentration Rank 5

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 22.38 | 23.59 ng | 1118550 | Chrysene-d12     | 21.57 |

| Hit# of | 5 | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|---------|---|------------------|-----|---------|-------------|------|
| 1       |   | Cyclohexadecane  | 224 | C16H32  | 000295-65-8 | 96   |
| 2       |   | n-Nonadecanol-1  | 284 | C19H40O | 001454-84-8 | 95   |
| 3       |   | Behenic alcohol  | 326 | C22H46O | 000661-19-8 | 94   |
| 4       |   | Cyclotetradecane | 196 | C14H28  | 000295-17-0 | 93   |
| 5       |   | 1-Heneicosanol   | 312 | C21H44O | 015594-90-8 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062620\  
Data File : BG045871.D  
Acq On : 26 Jun 2020 13:22  
Operator : CG/JU  
Sample : L3101-02  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
EBS8-S-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

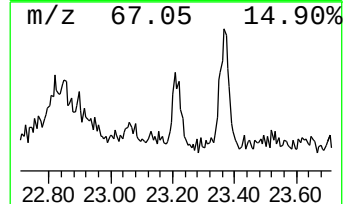
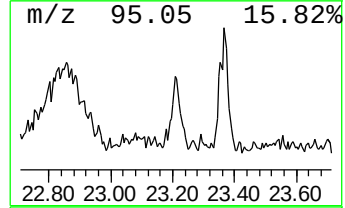
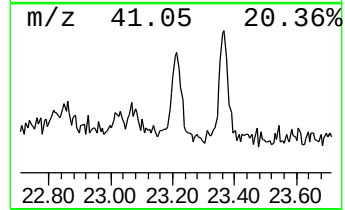
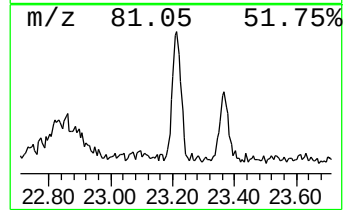
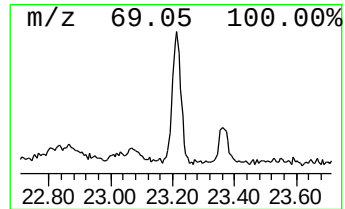
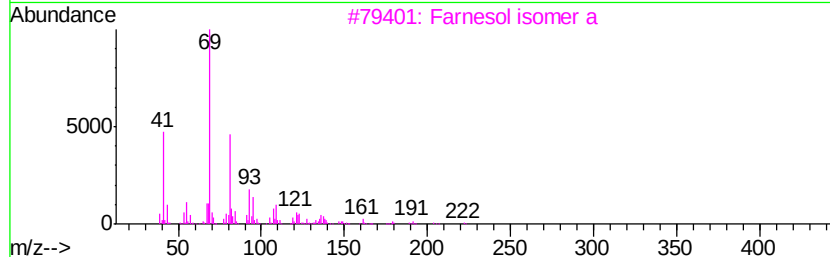
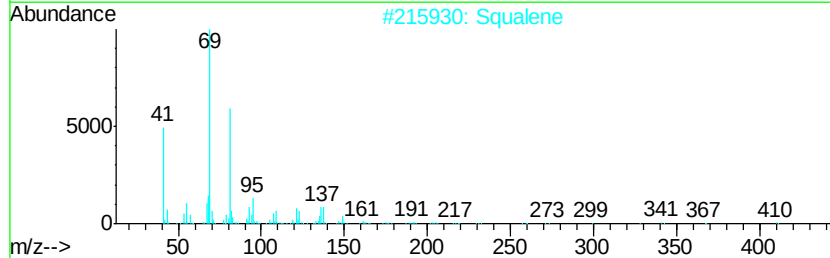
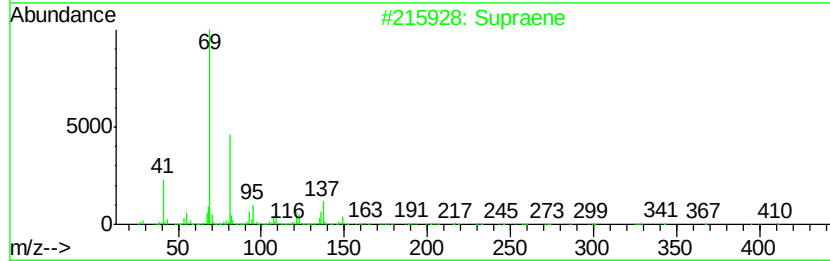
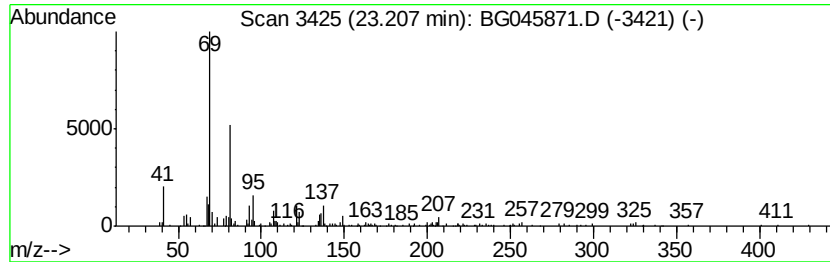
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 Supraene Concentration Rank 16

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 23.21 | 3.64 ng | 157575 | Perylene-d12     | 24.70 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Supraene                            | 410 | C30H50  | 007683-64-9  | 83   |
| 2    |    | Squalene                            | 410 | C30H50  | 000111-02-4  | 83   |
| 3    |    | Farnesol isomer a                   | 222 | C15H26O | 1000108-92-4 | 81   |
| 4    |    | 1,5,9-Undecatriene, 2,6,10-trime... | 192 | C14H24  | 062951-96-6  | 74   |
| 5    |    | Hexadeca-2,6,10,14-tetraen-1-ol,... | 290 | C20H34O | 007614-21-3  | 72   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062620\  
Data File : BG045871.D  
Acq On : 26 Jun 2020 13:22  
Operator : CG/JU  
Sample : L3101-02  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
EBS8-S-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

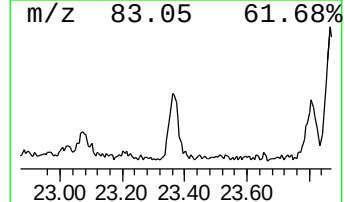
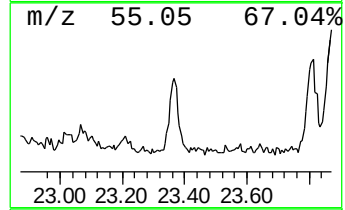
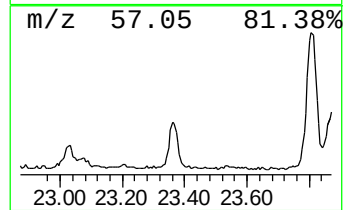
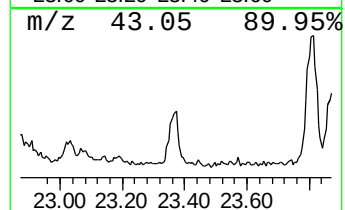
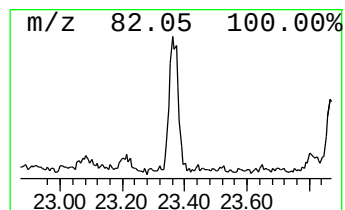
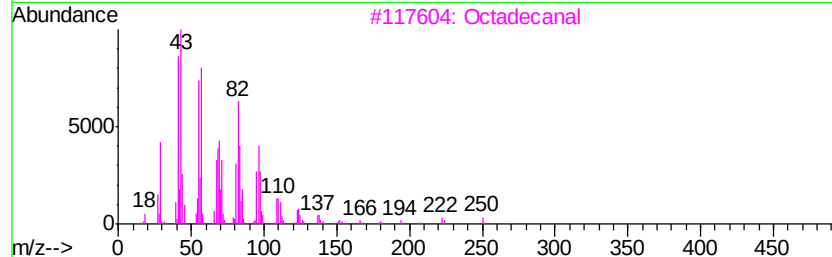
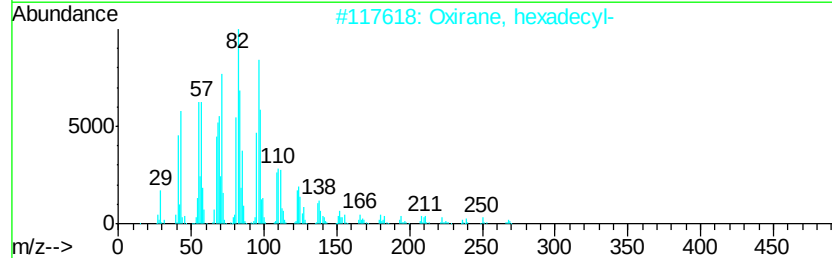
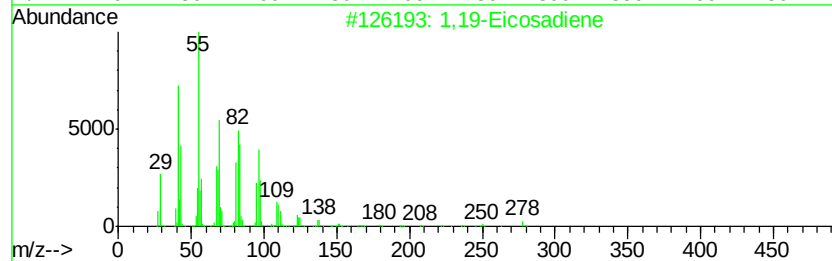
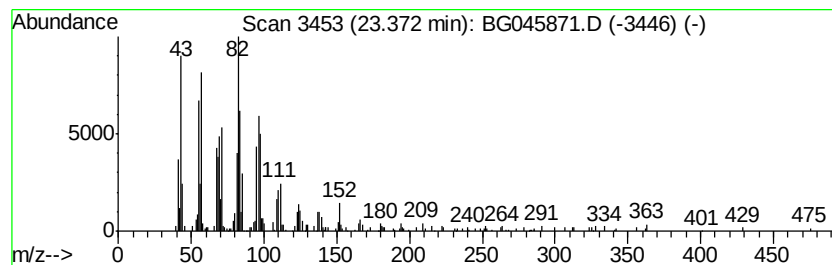
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 1,19-Eicosadiene Concentration Rank 14

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 23.37 | 6.81 ng | 294755 | Perylene-d12     | 24.70 |

| Hit# | of | Tentative ID              | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------------|-----|----------|-------------|------|
| 1    | 5  | 1,19-Eicosadiene          | 278 | C20H38   | 014811-95-1 | 97   |
| 2    |    | Oxirane, hexadecyl-       | 268 | C18H36O  | 007390-81-0 | 93   |
| 3    |    | Octadecanal               | 268 | C18H36O  | 000638-66-4 | 91   |
| 4    |    | Oxirane, heptadecyl-      | 282 | C19H38O  | 067860-04-2 | 87   |
| 5    |    | (Z)-14-Tricosenyl formate | 366 | C24H46O2 | 077899-10-6 | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062620\  
Data File : BG045871.D  
Acq On : 26 Jun 2020 13:22  
Operator : CG/JU  
Sample : L3101-02  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
EBS8-S-02

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

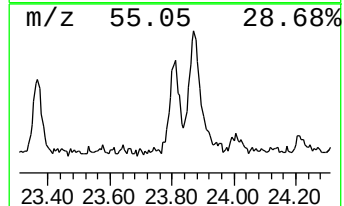
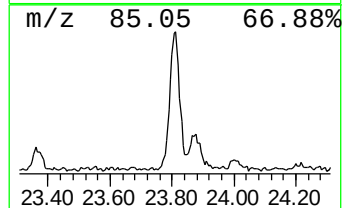
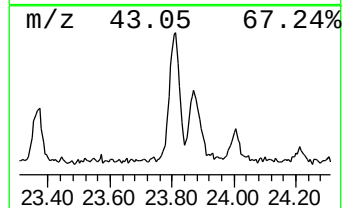
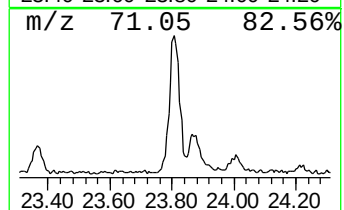
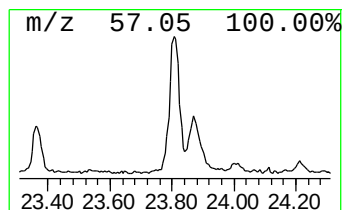
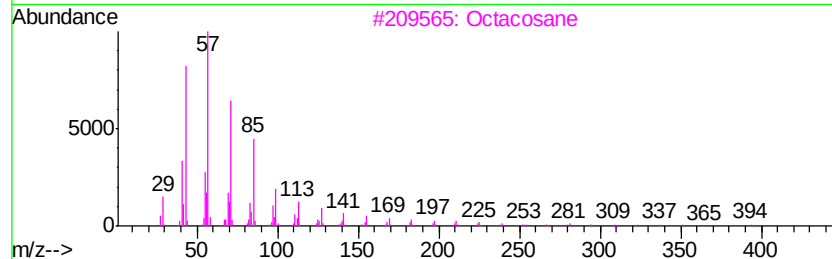
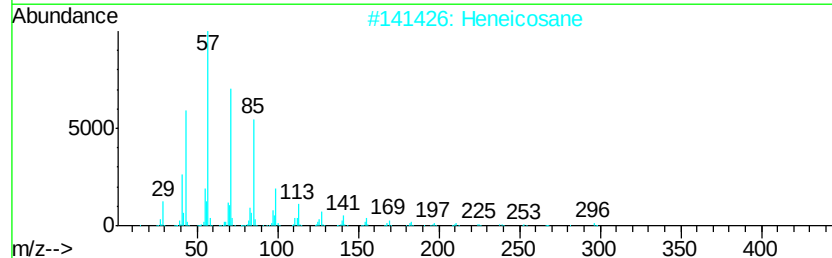
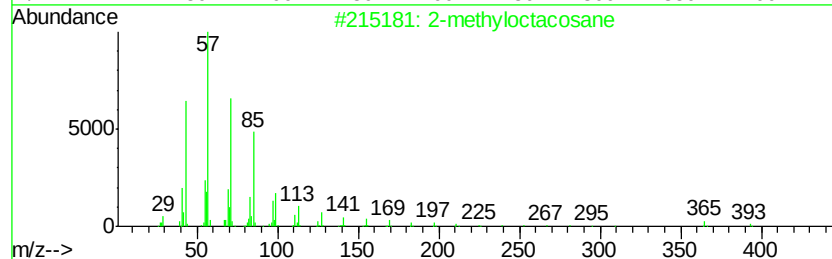
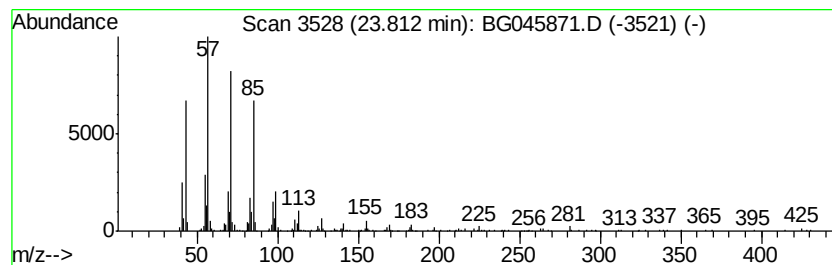
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 2-methyloctacosane Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 23.81 | 9.64 ng | 417342 | Perylene-d12     | 24.70 |

| 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  | 87   |
| 3    |    | Octacosane             | 394 | C28H58  | 000630-02-4  | 87   |
| 4    |    | Hexacosane             | 366 | C26H54  | 000630-01-3  | 87   |
| 5    |    | Tetracosane, 11-decyl- | 479 | C34H70  | 055429-84-0  | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062620\  
 Data File : BG045871.D  
 Acq On : 26 Jun 2020 13:22  
 Operator : CG/JU  
 Sample : L3101-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

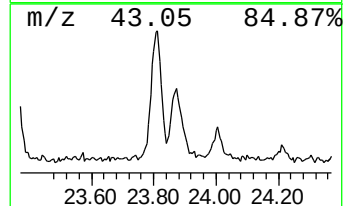
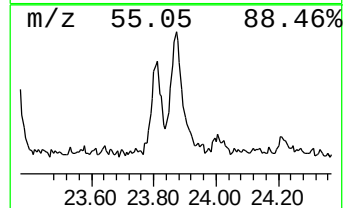
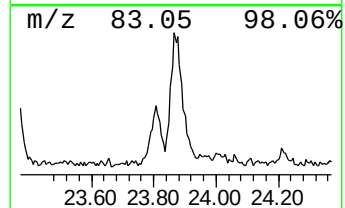
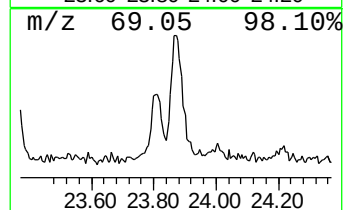
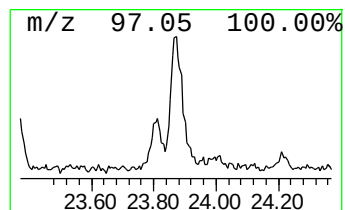
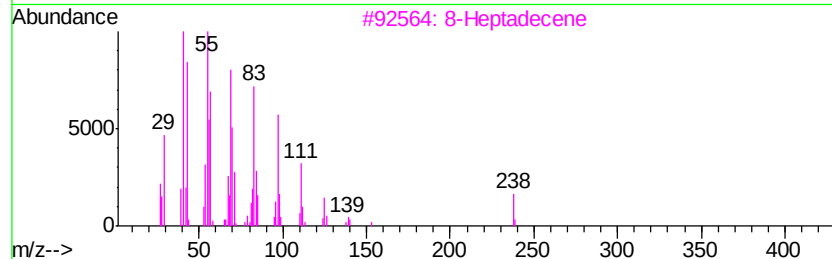
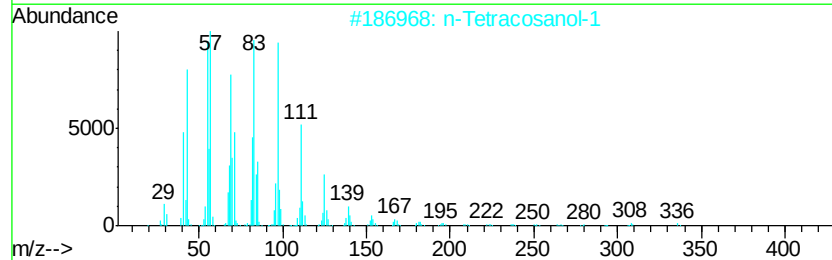
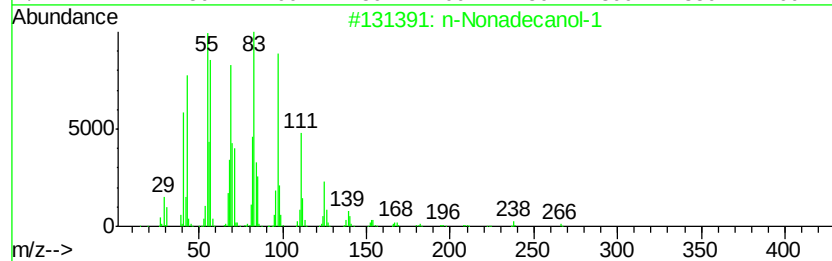
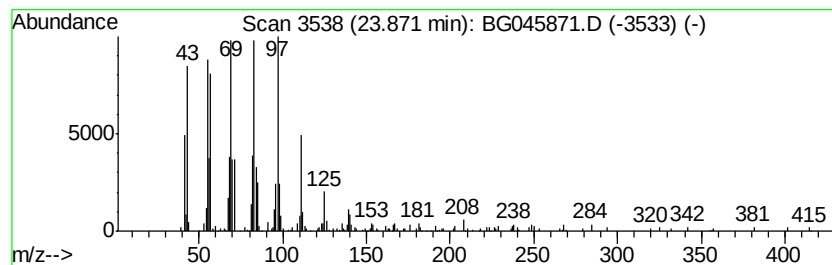
Instrument :  
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 ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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 Peak Number 9 n-Nonadecanol-1 Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD     |     | R.T.    |              |      |
|-------|---------|--------|----------------------|-----|---------|--------------|------|
| 23.87 | 9.31 ng | 403038 | Perylene-d12         |     | 24.70   |              |      |
| Hit#  | of      | 5      | Tentative ID         | MW  | MolForm | CAS#         | Qual |
| 1     |         |        | n-Nonadecanol-1      | 284 | C19H40O | 001454-84-8  | 94   |
| 2     |         |        | n-Tetracosanol-1     | 354 | C24H50O | 000506-51-4  | 93   |
| 3     |         |        | 8-Heptadecene        | 238 | C17H34  | 002579-04-6  | 90   |
| 4     |         |        | 3-Heptadecene, (Z)-  | 238 | C17H34  | 1000141-67-3 | 90   |
| 5     |         |        | 10-Heneicosene (c,t) | 294 | C21H42  | 095008-11-0  | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062620\  
Data File : BG045871.D  
Acq On : 26 Jun 2020 13:22  
Operator : CG/JU  
Sample : L3101-02  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
EBS8-S-02

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

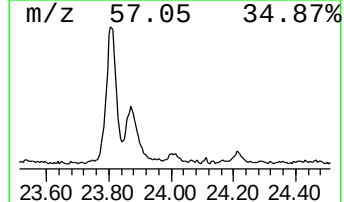
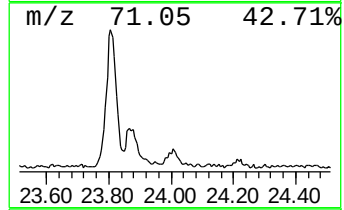
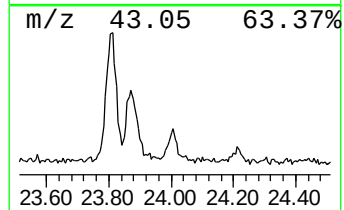
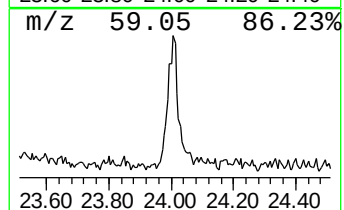
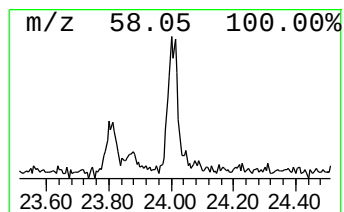
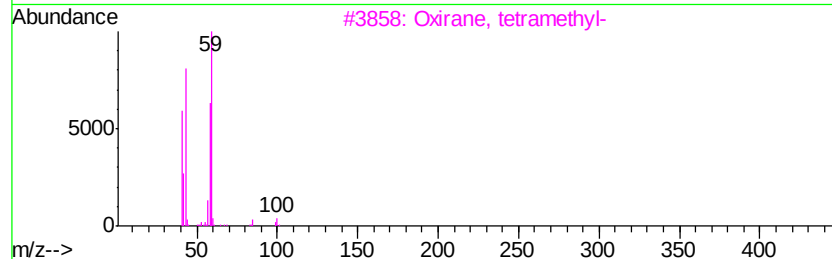
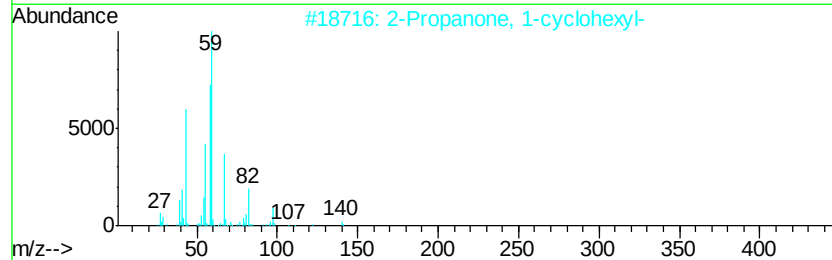
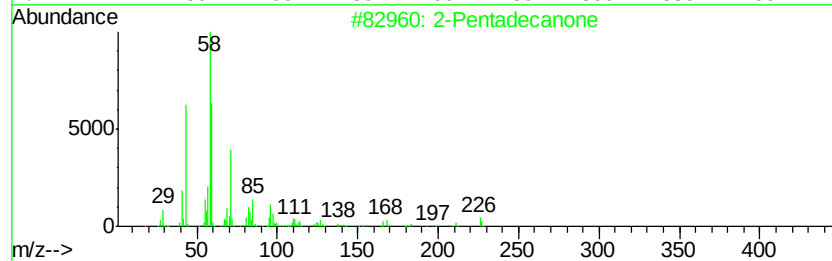
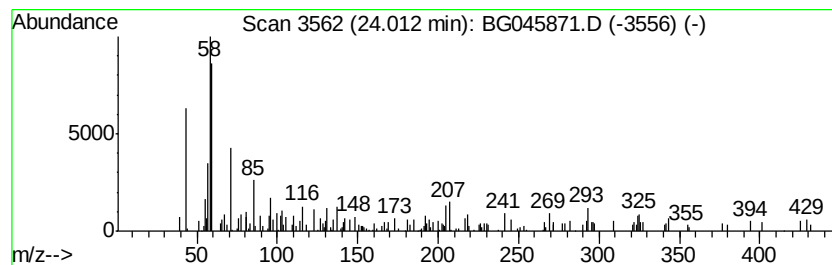
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TIC Integration Parameters: LSCINT.P

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Peak Number 10 2-Pentadecanone Concentration Rank 18

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 24.01 | 2.75 ng | 119169 | Perylene-d12     | 24.70 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | 2-Pentadecanone                     | 226 | C15H30O  | 002345-28-0  | 53   |
| 2    |    |   | 2-Propanone, 1-cyclohexyl-          | 140 | C9H16O   | 000103-78-6  | 53   |
| 3    |    |   | Oxirane, tetramethyl-               | 100 | C6H12O   | 005076-20-0  | 47   |
| 4    |    |   | 2-Pentadecanone, 6,10,14-trimethyl- | 268 | C18H36O  | 000502-69-2  | 38   |
| 5    |    |   | Hexacos-2,25-dione                  | 394 | C26H50O2 | 1000163-27-9 | 37   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062620\  
Data File : BG045871.D  
Acq On : 26 Jun 2020 13:22  
Operator : CG/JU  
Sample : L3101-02  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
EBS8-S-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

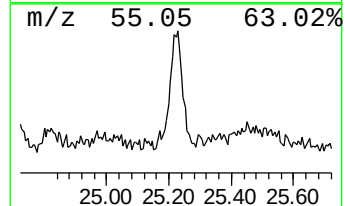
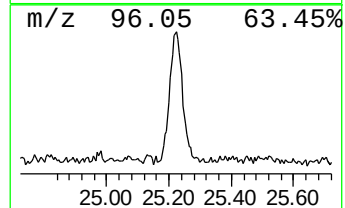
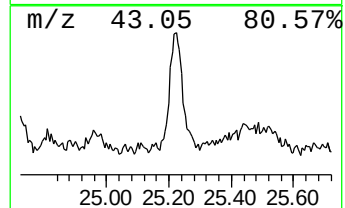
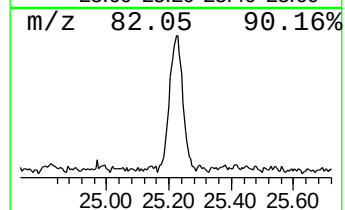
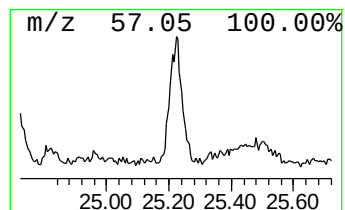
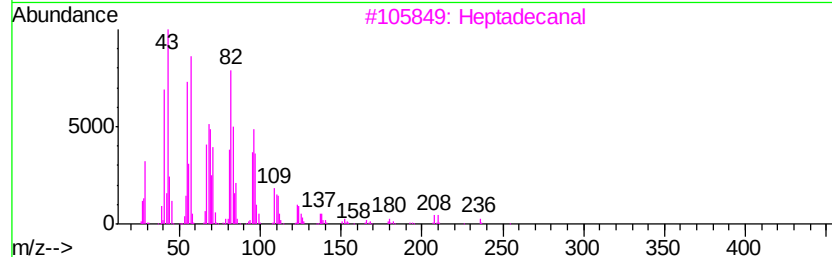
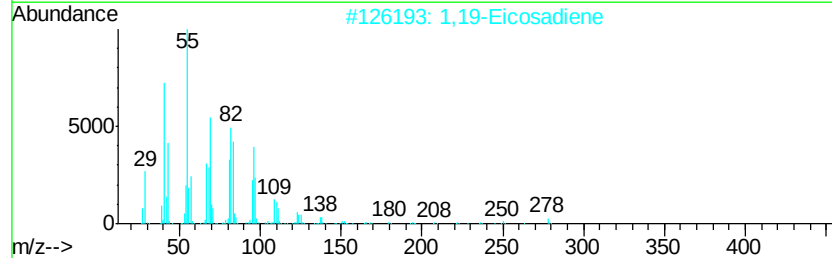
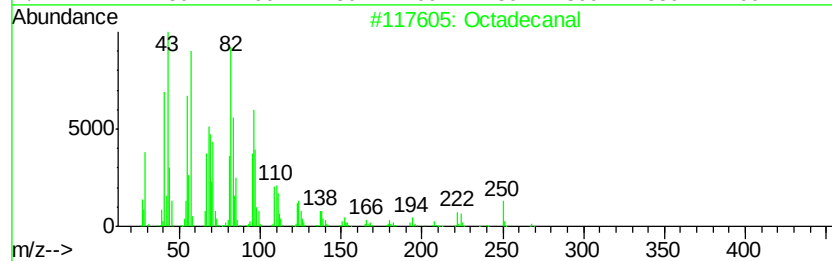
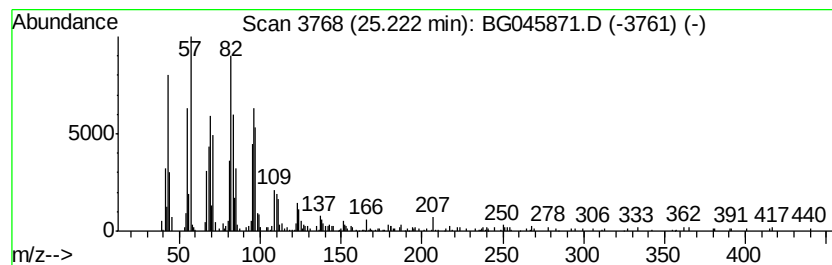
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 Octadecanal Concentration Rank 11

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 25.22 | 10.40 ng | 450219 | Perylene-d12     | 24.70 |

| Hit# | of | Tentative ID        | MW  | MolForm | CAS#         | Qual |
|------|----|---------------------|-----|---------|--------------|------|
| 1    | 5  | Octadecanal         | 268 | C18H36O | 000638-66-4  | 95   |
| 2    |    | 1,19-Eicosadiene    | 278 | C20H38  | 014811-95-1  | 89   |
| 3    |    | Heptadecanal        | 254 | C17H34O | 1000376-70-0 | 87   |
| 4    |    | 1,13-Tetradecadiene | 194 | C14H26  | 021964-49-8  | 86   |
| 5    |    | Hexadecanal         | 240 | C16H32O | 000629-80-1  | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062620\  
Data File : BG045871.D  
Acq On : 26 Jun 2020 13:22  
Operator : CG/JU  
Sample : L3101-02  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
EBS8-S-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

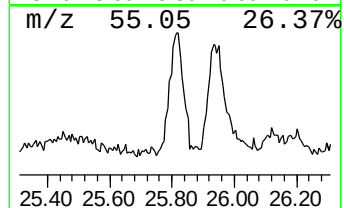
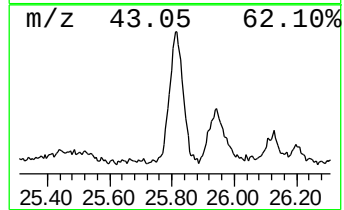
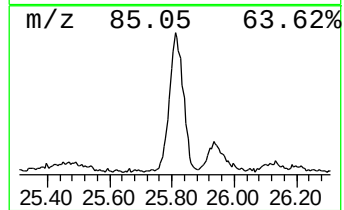
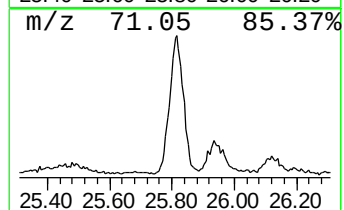
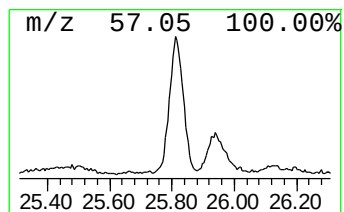
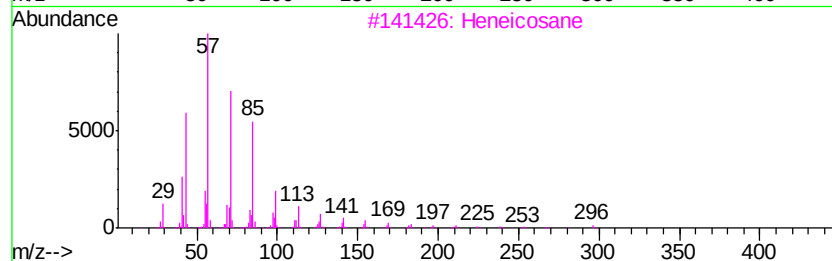
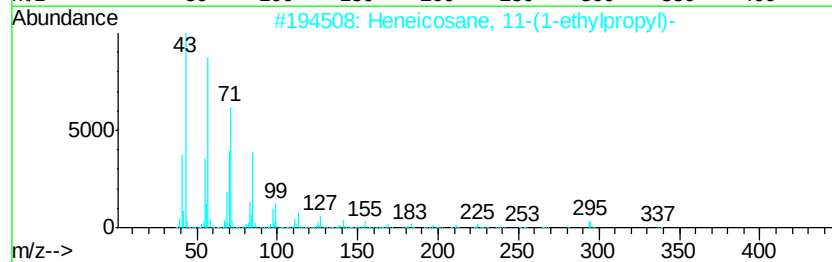
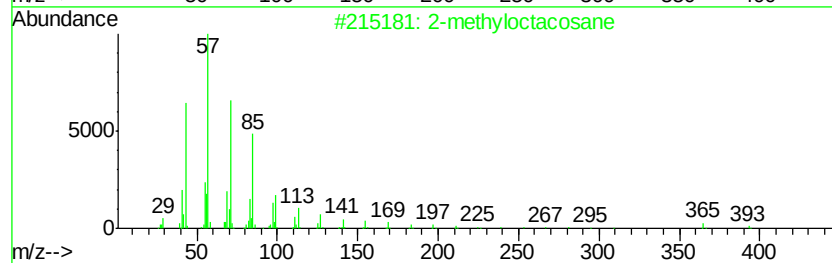
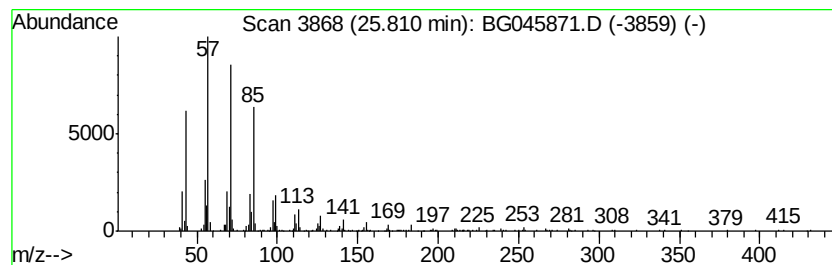
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TIC Integration Parameters: LSCINT.P

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Peak Number 12 Heneicosane, 11-(1-ethylpro... Concentration Rank 6

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 25.81 | 17.10 ng | 740351 | Perylene-d12     | 24.70 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#         | Qual |
|------|----|----------------------------------|-----|---------|--------------|------|
| 1    | 5  | 2-methyloctacosane               | 408 | C29H60  | 1000376-72-8 | 91   |
| 2    |    | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54  | 055282-11-6  | 91   |
| 3    |    | Heneicosane                      | 296 | C21H44  | 000629-94-7  | 90   |
| 4    |    | Hexacosane                       | 366 | C26H54  | 000630-01-3  | 90   |
| 5    |    | Octadecane, 2-methyl-            | 268 | C19H40  | 001560-88-9  | 89   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062620\  
Data File : BG045871.D  
Acq On : 26 Jun 2020 13:22  
Operator : CG/JU  
Sample : L3101-02  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
EBS8-S-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

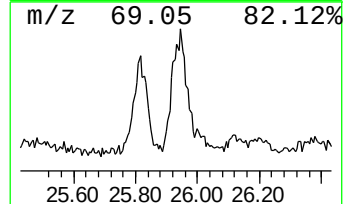
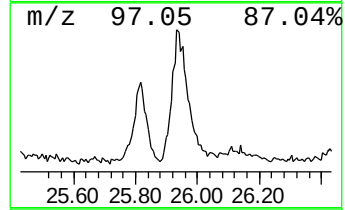
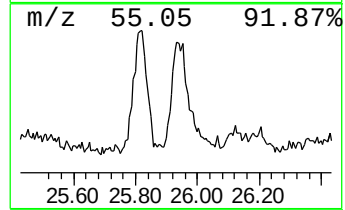
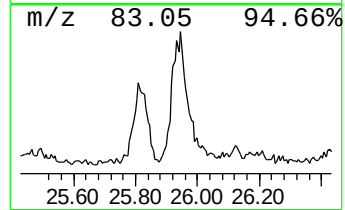
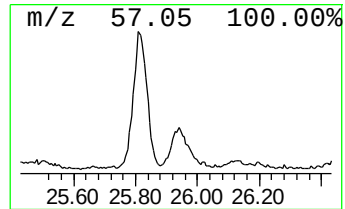
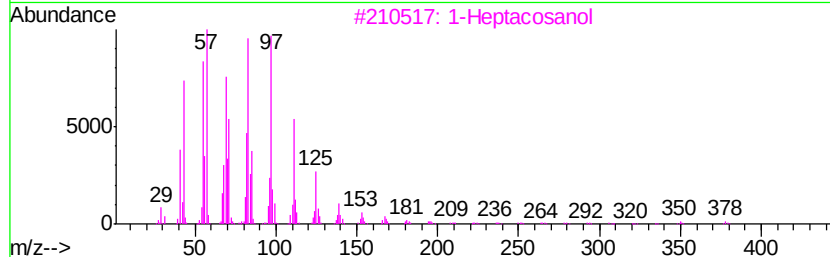
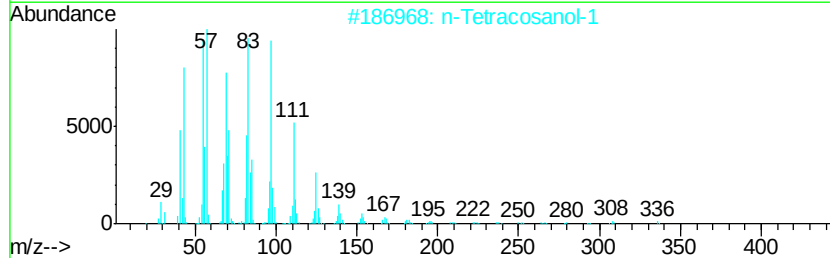
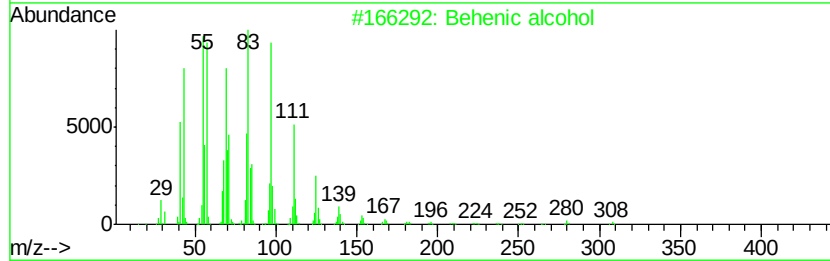
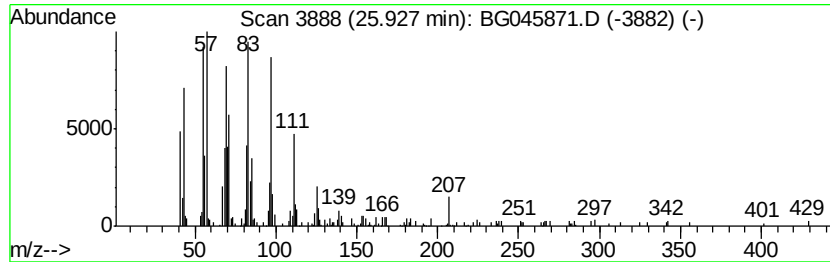
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Behenic alcohol Concentration Rank 9

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 25.93 | 10.92 ng | 472744 | Perylene-d12     | 24.70 |

| Hit# | of | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------|-----|---------|-------------|------|
| 1    | 5  | Behenic alcohol     | 326 | C22H46O | 000661-19-8 | 93   |
| 2    |    | n-Tetracosanol-1    | 354 | C24H50O | 000506-51-4 | 93   |
| 3    |    | 1-Heptacosanol      | 396 | C27H56O | 002004-39-9 | 92   |
| 4    |    | 17-Pentatriacontene | 491 | C35H70  | 006971-40-0 | 81   |
| 5    |    | n-Nonadecanol-1     | 284 | C19H40O | 001454-84-8 | 70   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062620\  
Data File : BG045871.D  
Acq On : 26 Jun 2020 13:22  
Operator : CG/JU  
Sample : L3101-02  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

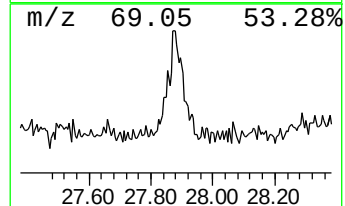
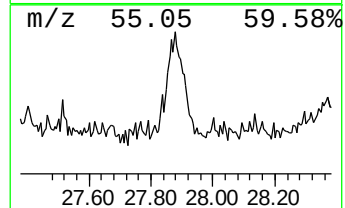
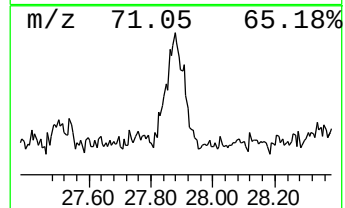
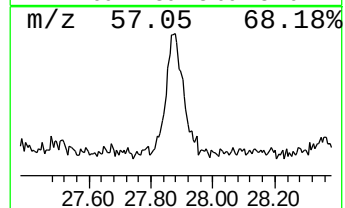
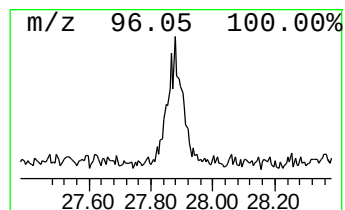
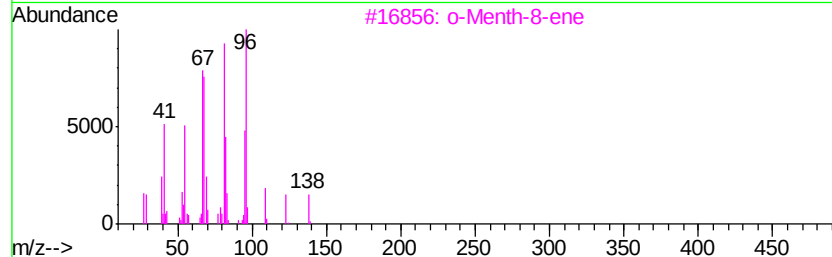
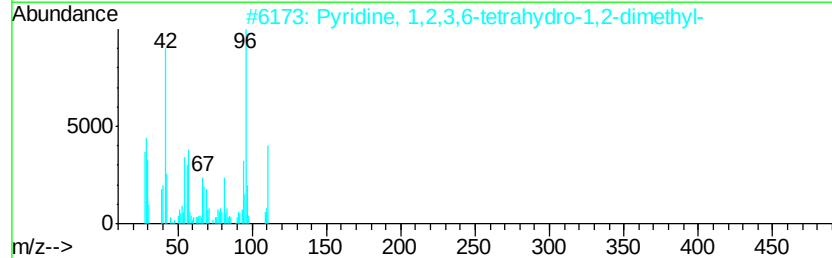
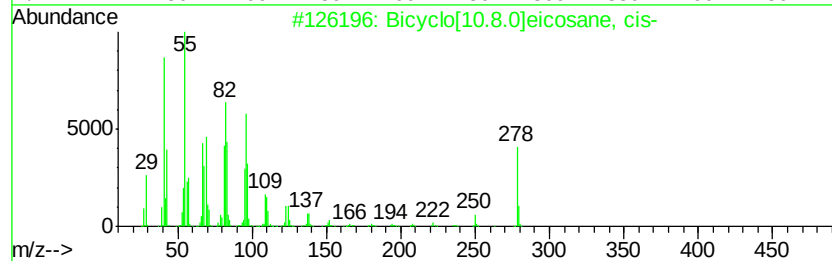
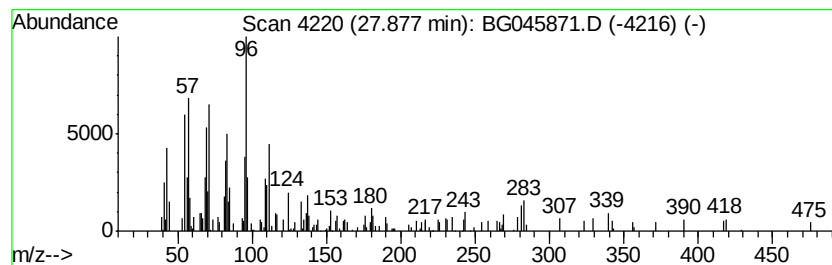
Instrument :  
BNA\_G  
ClientSampleId :  
EBS8-S-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.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 14 Bicyclo[10.8.0]eicosane, cis- Concentration Rank 15

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.            |
|---------|---------|-------------------------------------|------------------|-----------------|
| 27.88   | 5.52 ng | 238833                              | Perylene-d12     | 24.70           |
| Hit# of | 5       | Tentative ID                        | MW MolForm       | CAS# Qual       |
| 1       |         | Bicyclo[10.8.0]eicosane, cis-       | 278 C20H38       | 1000155-82-2 52 |
| 2       |         | Pyridine, 1,2,3,6-tetrahydro-1,2... | 111 C7H13N       | 000694-84-8 43  |
| 3       |         | o-Menth-8-ene                       | 138 C10H18       | 015193-25-6 32  |
| 4       |         | 9-Methyl-11-oxo-1,6-diazatricycl... | 180 C10H16N2O    | 111197-37-6 25  |
| 5       |         | 4-Cyclohexyl-1-butanol              | 156 C10H20O      | 004441-57-0 25  |







Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062620\  
Data File : BG045871.D  
Acq On : 26 Jun 2020 13:22  
Operator : CG/JU  
Sample : L3101-02  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
EBS8-S-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

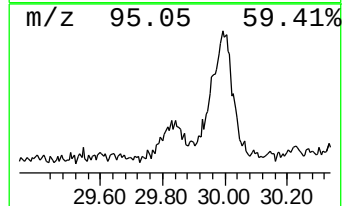
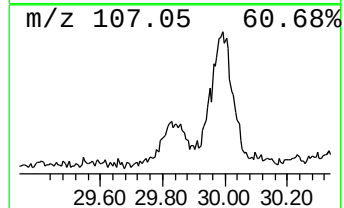
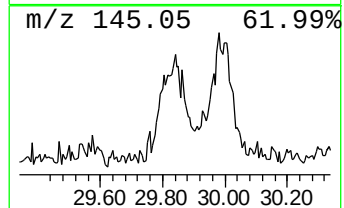
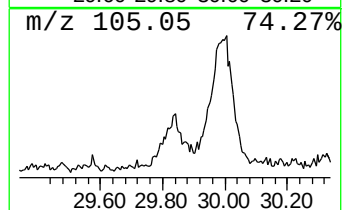
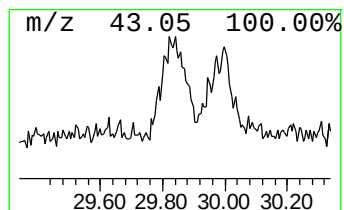
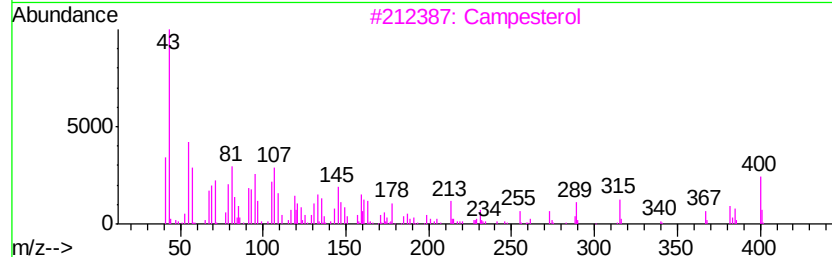
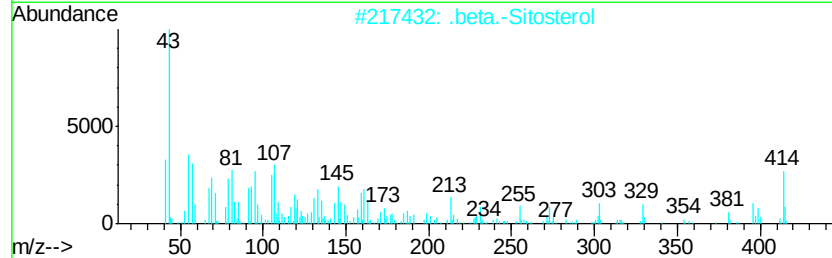
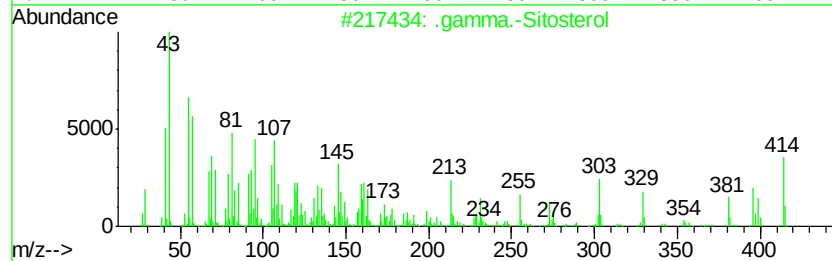
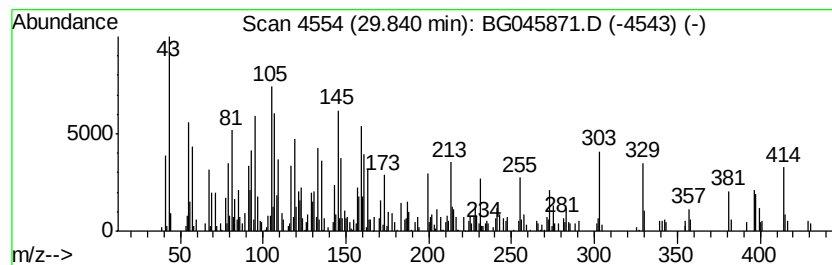
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 .gamma.-Sitosterol Concentration Rank 10

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 29.84 | 10.88 ng | 471221 | Perylene-d12     | 24.70 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | .gamma.-Sitosterol                  | 414 | C29H50O  | 000083-47-6 | 97   |
| 2    |    | .beta.-Sitosterol                   | 414 | C29H50O  | 000083-46-5 | 83   |
| 3    |    | Campesterol                         | 400 | C28H48O  | 000474-62-4 | 49   |
| 4    |    | Kauren-18-ol, acetate, (4.beta.)-   | 330 | C22H34O2 | 072150-74-4 | 18   |
| 5    |    | Cholest-7-en-3-ol, 4,4-dimethyl-... | 414 | C29H50O  | 006384-28-7 | 14   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062620\  
Data File : BG045871.D  
Acq On : 26 Jun 2020 13:22  
Operator : CG/JU  
Sample : L3101-02  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
EBS8-S-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

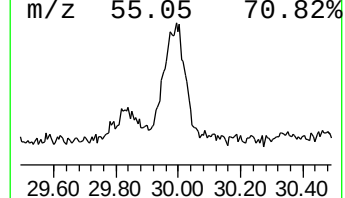
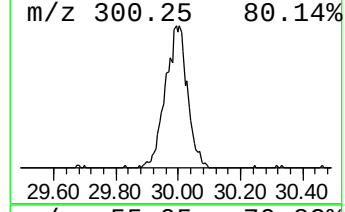
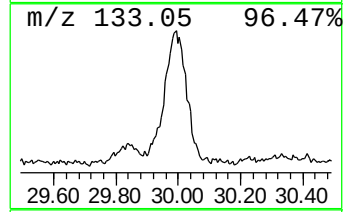
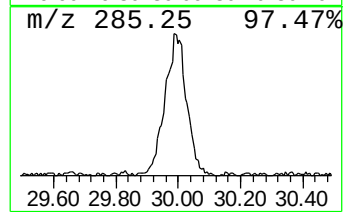
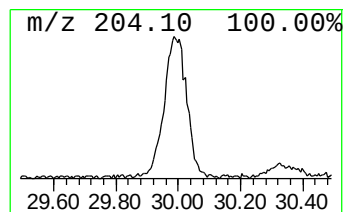
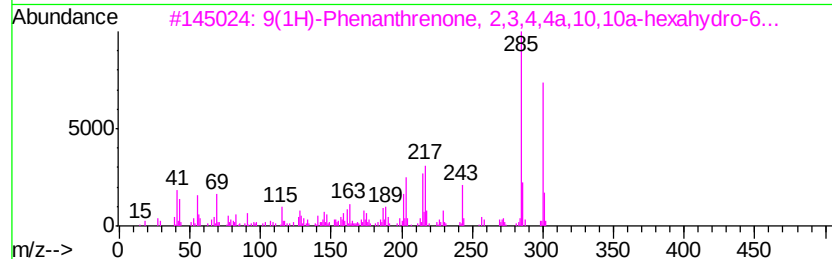
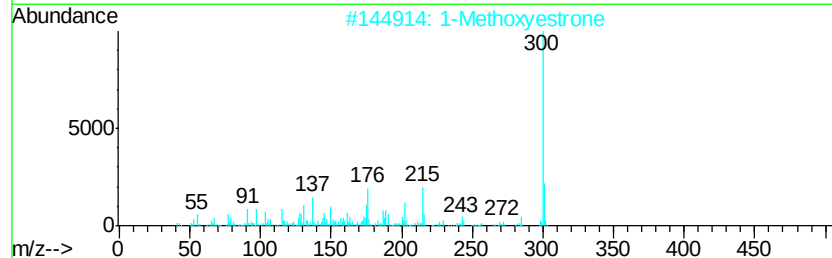
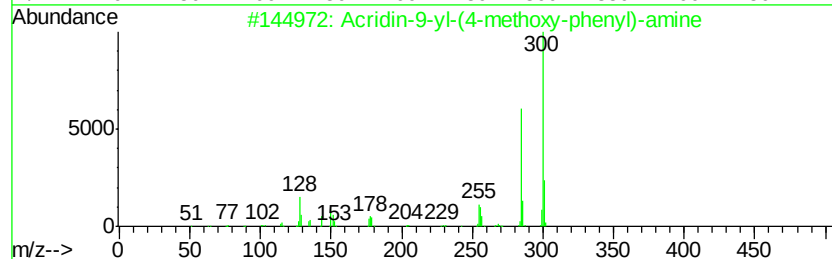
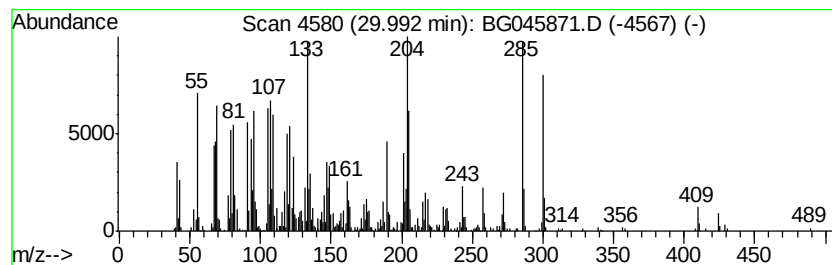
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 unknown29.99 Concentration Rank 3

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 29.99 | 40.66 ng | 1760330 | Perylene-d12     | 24.70 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Acridin-9-yl-(4-methoxy-phenyl)-... | 300 | C20H16N2O | 1000317-35-5 | 42   |
| 2    |    | 1-Methoxvestrone                    | 300 | C19H24O3  | 119831-01-5  | 41   |
| 3    |    | 9(1H)-Phenanthrenone, 2,3,4,4a,1... | 300 | C20H28O2  | 000511-05-7  | 38   |
| 4    |    | 4H-1-Benzopyran-4-one, 3,7-dihyd... | 300 | C16H12O6  | 057396-72-2  | 38   |
| 5    |    | Phenanthrene, 1,2,3,4,4a,9,10,10... | 300 | C21H32O   | 010064-26-3  | 35   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062620\  
Data File : BG045871.D  
Acq On : 26 Jun 2020 13:22  
Operator : CG/JU  
Sample : L3101-02  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
EBS8-S-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

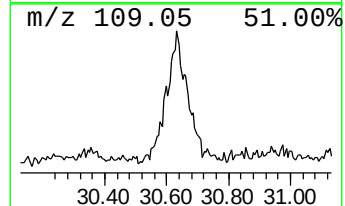
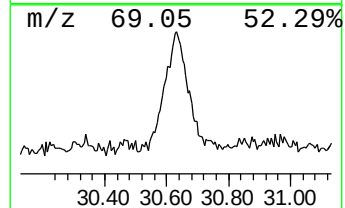
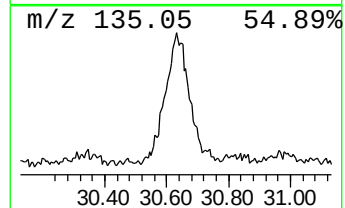
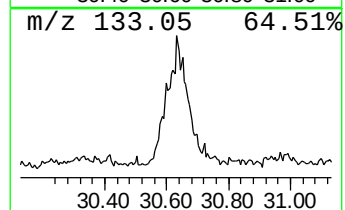
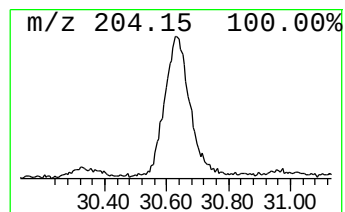
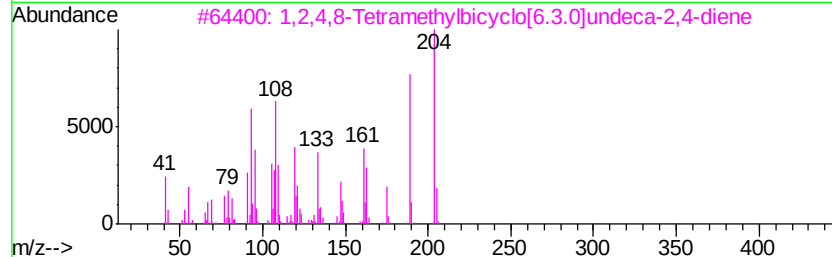
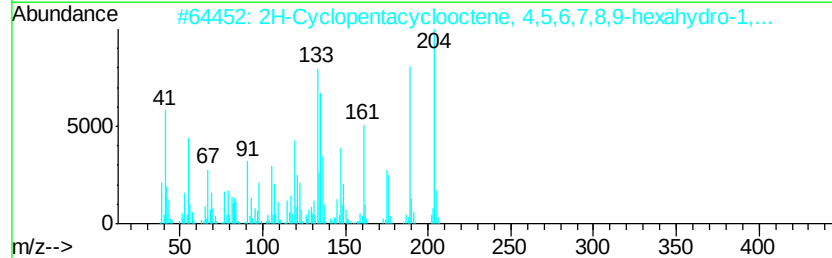
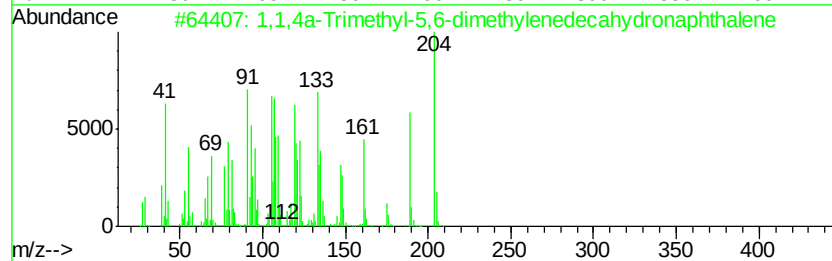
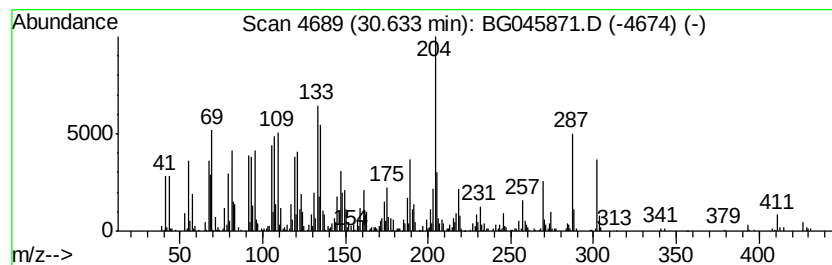
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 1,1,4a-Trimethyl-5,6-dimeth... Concentration Rank 2

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 30.63 | 42.77 ng | 1851640 | Perylene-d12     | 24.70 |

| Hit# | of | Tentative ID                         | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------------------------|-----|---------|--------------|------|
| 1    | 5  | 1,1,4a-Trimethyl-5,6-dimethylene...  | 204 | C15H24  | 1000193-60-8 | 50   |
| 2    |    | 2H-Cyclopentacyclooctene, 4,5,6,...  | 204 | C15H24  | 1000221-85-8 | 46   |
| 3    |    | 1,2,4,8-Tetramethylbicyclo[6.3.0]... | 204 | C15H24  | 137235-51-9  | 46   |
| 4    |    | 1R,4S,7S,11R-2,2,4,8-Tetramethyl...  | 204 | C15H24  | 1000140-07-6 | 43   |
| 5    |    | 1,4-Dimethyl-8-isopropylidenetri...  | 204 | C15H24  | 1000140-07-7 | 43   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062620\  
Data File : BG045871.D  
Acq On : 26 Jun 2020 13:22  
Operator : CG/JU  
Sample : L3101-02  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

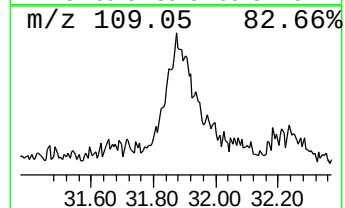
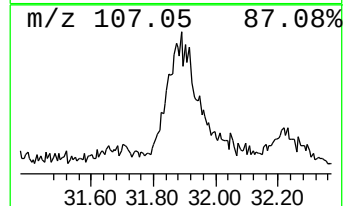
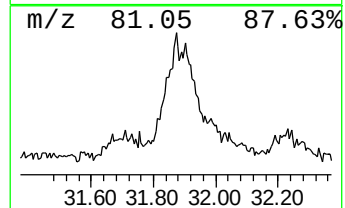
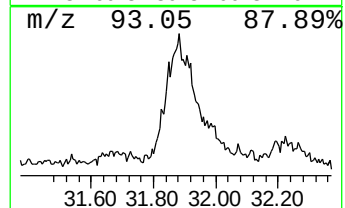
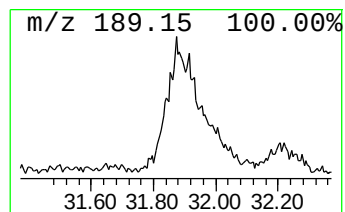
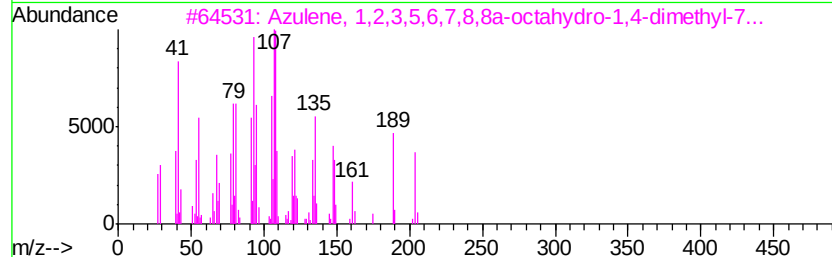
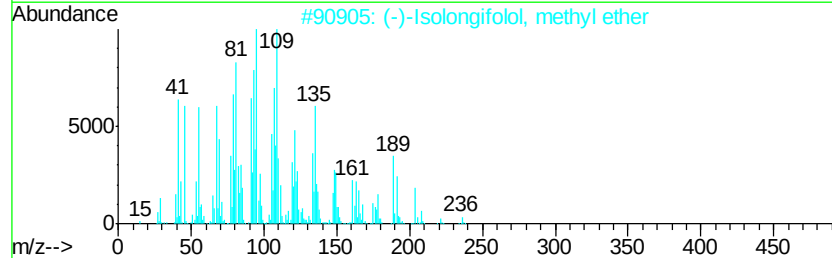
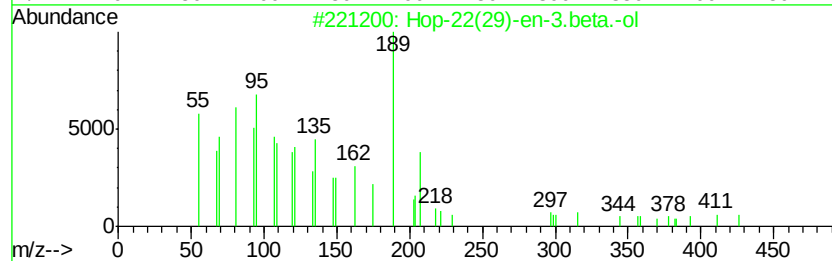
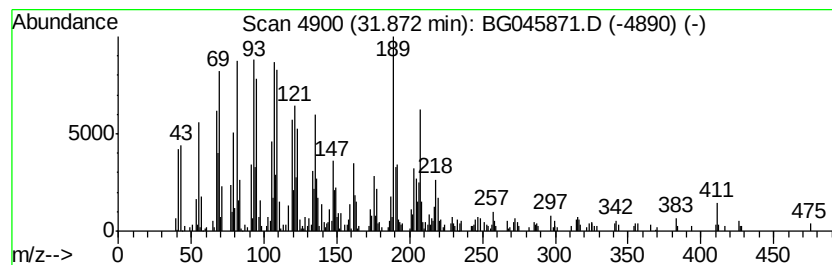
Instrument :  
BNA\_G  
ClientSampleId :  
EBS8-S-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.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 19 Hop-22(29)-en-3.beta.-ol Concentration Rank 8

| R.T.    | EstConc  | Area                                                                      | Relative to ISTD | R.T.            |
|---------|----------|---------------------------------------------------------------------------|------------------|-----------------|
| 31.87   | 13.74 ng | 595062                                                                    | Perylene-d12     | 24.70           |
| Hit# of | 5        | Tentative ID                                                              | MW MolForm       | CAS# Qual       |
| 1       |          | Hop-22(29)-en-3.beta.-ol                                                  | 426 C30H50O      | 058801-23-3 52  |
| 2       |          | (-)-Isolongifolol, methyl ether                                           | 236 C16H28O      | 1000333-80-8 43 |
| 3       |          | Azulene, 1,2,3,5,6,7,8,8a-octahydro-1,4-dimethyl-7...                     | 204 C15H24       | 003691-11-0 42  |
| 4       |          | 2-Butenal, 2-methyl-4-(2,6,6-trimethyl-2-phenyl)-                         | 206 C14H22O      | 003155-71-3 41  |
| 5       |          | 2-Isopropenyl-4a,8-dimethyl-1,2,3,4,8a-hexahydro-1H-indeno[1,2-b]pyridine | 204 C15H24       | 1000193-57-0 38 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG062620\  
 Data File : BG045871.D  
 Acq On : 26 Jun 2020 13:22  
 Operator : CG/JU  
 Sample : L3101-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EBS8-S-02

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG061520.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 |
| Cetene               | 19.07 | 2.7 ng  |       | 106100   | 4                     | 17.32 | 784653 | 20.0 |
| 9-Eicosene, (E)-     | 20.21 | 3.6 ng  |       | 171230   | 5                     | 21.57 | 948501 | 20.0 |
| 3-Eicosene, (E)-     | 21.23 | 15.9 ng |       | 753207   | 5                     | 21.57 | 948501 | 20.0 |
| Cyclohexadecane      | 22.38 | 23.6 ng |       | 1118550  | 5                     | 21.57 | 948501 | 20.0 |
| Supraene             | 23.21 | 3.6 ng  |       | 157575   | 6                     | 24.70 | 865910 | 20.0 |
| 1,19-Eicosadiene     | 23.37 | 6.8 ng  |       | 294755   | 6                     | 24.70 | 865910 | 20.0 |
| 2-methyloctacosane   | 23.81 | 9.6 ng  |       | 417342   | 6                     | 24.70 | 865910 | 20.0 |
| n-Nonadecanol-1      | 23.87 | 9.3 ng  |       | 403038   | 6                     | 24.70 | 865910 | 20.0 |
| 2-Pentadecanone      | 24.01 | 2.8 ng  |       | 119169   | 6                     | 24.70 | 865910 | 20.0 |
| Octadecanal          | 25.22 | 10.4 ng |       | 450219   | 6                     | 24.70 | 865910 | 20.0 |
| Heneicosane, 11-(... | 25.81 | 17.1 ng |       | 740351   | 6                     | 24.70 | 865910 | 20.0 |
| Behenic alcohol      | 25.93 | 10.9 ng |       | 472744   | 6                     | 24.70 | 865910 | 20.0 |
| Bicyclo[10.8.0]ei... | 27.88 | 5.5 ng  |       | 238833   | 6                     | 24.70 | 865910 | 20.0 |
| 2,2,4a,6a,8a,9,12... | 29.11 | 45.7 ng |       | 1977880  | 6                     | 24.70 | 865910 | 20.0 |
| .gamma.-Sitosterol   | 29.84 | 10.9 ng |       | 471221   | 6                     | 24.70 | 865910 | 20.0 |
| unknown29.99         | 29.99 | 40.7 ng |       | 1760330  | 6                     | 24.70 | 865910 | 20.0 |
| 1,1,4a-Trimethyl-... | 30.63 | 42.8 ng |       | 1851640  | 6                     | 24.70 | 865910 | 20.0 |
| Hop-22(29)-en-3.b... | 31.87 | 13.7 ng |       | 595062   | 6                     | 24.70 | 865910 | 20.0 |