

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP063020\  
 Data File : BP002580.D  
 Acq On : 30 Jun 2020 18:02  
 Operator : CG/JU  
 Sample : L3153-43  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SP2-L

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\_P\METHODS\8270-BP062920.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         | 5.193       | 385           | 392         | 411          | rBV      | 1402045        | 2209844       | 29.23%          | 4.213%        |
| 2         | 6.764       | 645           | 659         | 678          | rBV      | 1573894        | 2628787       | 34.77%          | 5.012%        |
| 3         | 7.569       | 789           | 796         | 806          | rBV      | 413085         | 656234        | 8.68%           | 1.251%        |
| 4         | 7.887       | 842           | 850         | 863          | rBV      | 1344287        | 2183930       | 28.89%          | 4.164%        |
| 5         | 8.716       | 983           | 991         | 1008         | rBV      | 1131552        | 1868381       | 24.71%          | 3.562%        |
| 6         | 10.340      | 1260          | 1267        | 1283         | rBV      | 572459         | 1010622       | 13.37%          | 1.927%        |
| 7         | 12.834      | 1684          | 1691        | 1710         | rBV      | 2826493        | 4444812       | 58.79%          | 8.475%        |
| 8         | 13.681      | 1830          | 1835        | 1845         | rVB      | 466542         | 657261        | 8.69%           | 1.253%        |
| 9         | 14.222      | 1919          | 1927        | 1936         | rVB      | 1039239        | 1587364       | 21.00%          | 3.027%        |
| 10        | 15.722      | 2173          | 2182        | 2194         | rBV      | 2668402        | 3896985       | 51.55%          | 7.430%        |
| 11        | 16.981      | 2382          | 2396        | 2402         | rBV      | 1423228        | 2089323       | 27.64%          | 3.984%        |
| 12        | 17.069      | 2407          | 2411        | 2416         | rBV3     | 63395          | 96219         | 1.27%           | 0.183%        |
| 13        | 18.645      | 2675          | 2679        | 2683         | rBV      | 76563          | 90603         | 1.20%           | 0.173%        |
| 14        | 19.486      | 2817          | 2822        | 2828         | rVB      | 696741         | 830520        | 10.99%          | 1.584%        |
| 15        | 19.575      | 2831          | 2837        | 2848         | rVB      | 5627222        | 7560084       | 100.00%         | 14.415%       |
| 16        | 19.863      | 2883          | 2886        | 2890         | rBV3     | 56596          | 77920         | 1.03%           | 0.149%        |
| 17        | 19.975      | 2901          | 2905        | 2911         | rVB      | 194428         | 230090        | 3.04%           | 0.439%        |
| 18        | 20.404      | 2975          | 2978        | 2982         | rVB      | 158380         | 186271        | 2.46%           | 0.355%        |
| 19        | 20.463      | 2984          | 2988        | 2990         | rBV      | 68825          | 77305         | 1.02%           | 0.147%        |
| 20        | 20.657      | 3017          | 3021        | 3028         | rBV      | 902554         | 973932        | 12.88%          | 1.857%        |
| 21        | 20.828      | 3046          | 3050        | 3062         | rBV      | 1228865        | 1653688       | 21.87%          | 3.153%        |
| 22        | 21.086      | 3089          | 3094        | 3104         | rBV      | 2101444        | 2593344       | 34.30%          | 4.945%        |
| 23        | 21.263      | 3121          | 3124        | 3134         | rVB      | 127696         | 167474        | 2.22%           | 0.319%        |
| 24        | 21.439      | 3150          | 3154        | 3159         | rBV      | 97328          | 118982        | 1.57%           | 0.227%        |
| 25        | 21.704      | 3193          | 3199        | 3210         | rBV2     | 868177         | 1445198       | 19.12%          | 2.756%        |
| 26        | 22.374      | 3309          | 3313        | 3318         | rVB      | 265172         | 345747        | 4.57%           | 0.659%        |
| 27        | 22.657      | 3355          | 3361        | 3364         | rBV      | 1058318        | 1619139       | 21.42%          | 3.087%        |
| 28        | 22.692      | 3364          | 3367        | 3378         | rVB      | 539835         | 868386        | 11.49%          | 1.656%        |
| 29        | 23.216      | 3452          | 3456        | 3460         | rVB2     | 117273         | 182374        | 2.41%           | 0.348%        |
| 30        | 23.280      | 3461          | 3467        | 3475         | rVB2     | 1256066        | 2392128       | 31.64%          | 4.561%        |
| 31        | 23.521      | 3502          | 3508        | 3515         | rVB      | 435203         | 743831        | 9.84%           | 1.418%        |
| 32        | 23.857      | 3559          | 3565        | 3572         | rVB      | 1020181        | 1886371       | 24.95%          | 3.597%        |
| 33        | 23.933      | 3573          | 3578        | 3591         | rVB      | 439144         | 903909        | 11.96%          | 1.723%        |
| 34        | 25.033      | 3759          | 3765        | 3775         | rVB      | 347874         | 798429        | 10.56%          | 1.522%        |

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Sample : L3153-43  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SP2-L

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\_P\METHODS\8270-BP062920.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 25.463 | 3832 | 3838 | 3851 | rVB2 | 276431 | 746373  | 9.87%  | 1.423% |
| 36 | 25.598 | 3856 | 3861 | 3872 | rVB3 | 136665 | 364320  | 4.82%  | 0.695% |
| 37 | 26.310 | 3974 | 3982 | 3998 | rVB2 | 472328 | 1504505 | 19.90% | 2.869% |
| 38 | 27.545 | 4186 | 4192 | 4204 | rBV4 | 233916 | 756500  | 10.01% | 1.442% |

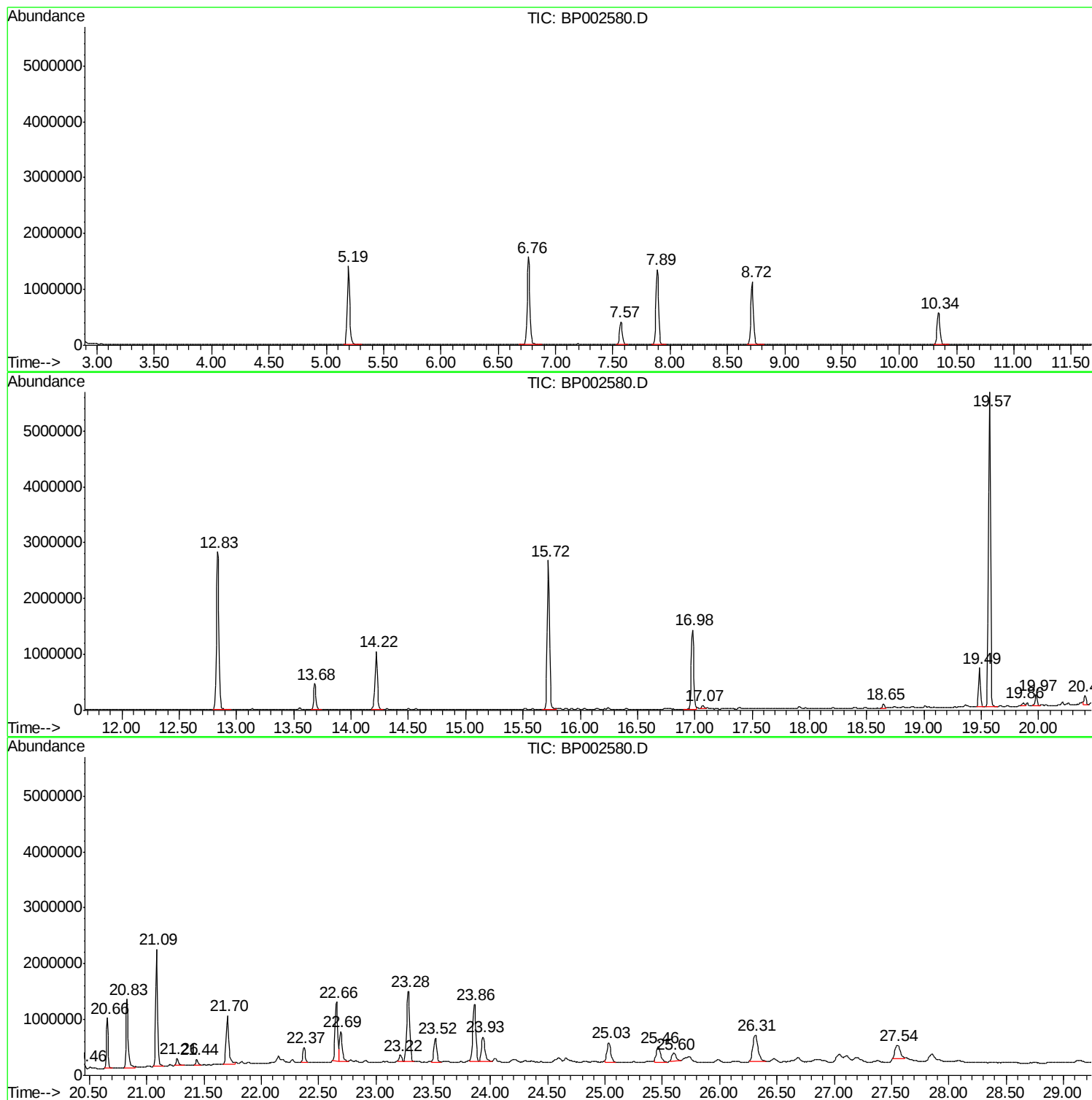
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

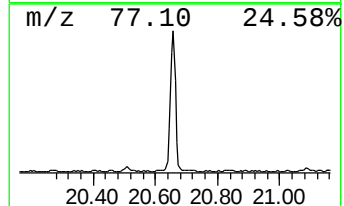
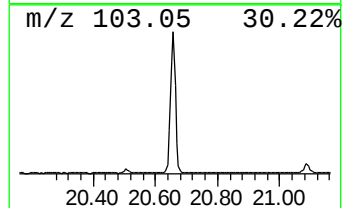
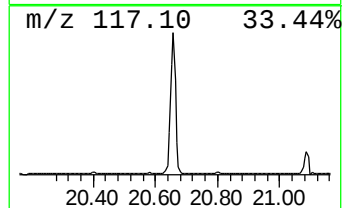
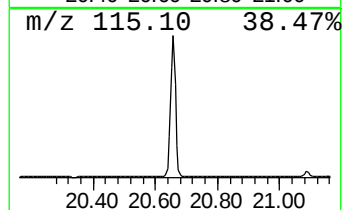
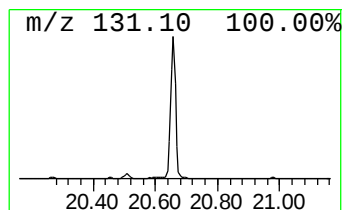
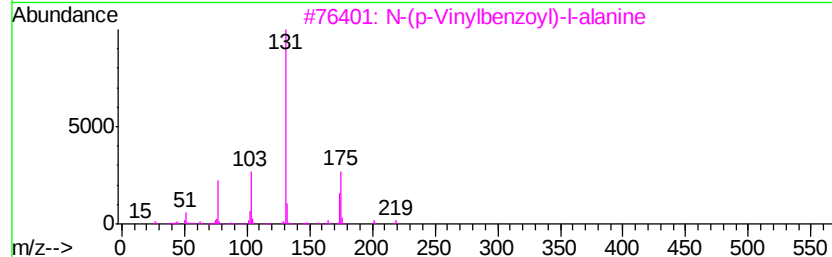
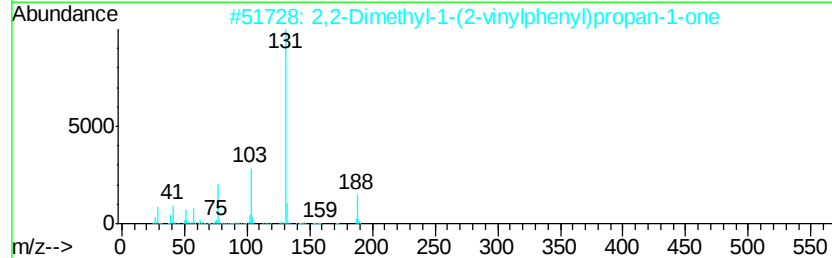
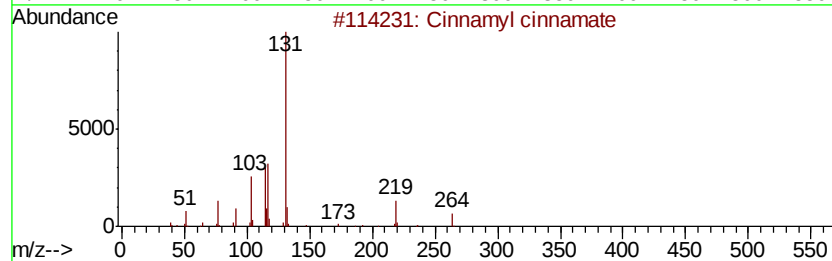
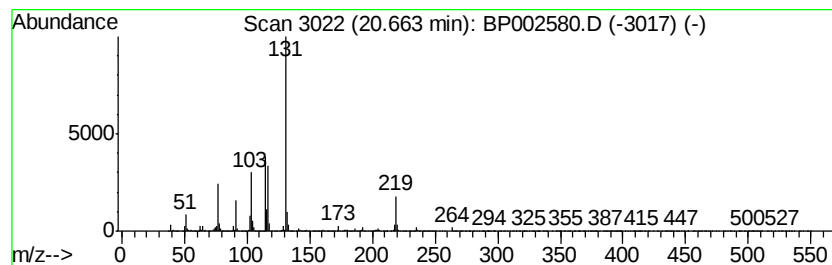
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Cinnamyl cinnamate Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 20.66 | 7.51 ng | 973932 | Chrysene-d12     | 21.09 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Cinnamyl cinnamate                  | 264 | C18H16O2   | 000122-69-0  | 87   |
| 2    |    | 2,2-Dimethyl-1-(2-vinylphenyl)pr... | 188 | C13H16O    | 1000210-99-9 | 60   |
| 3    |    | N-(p-Vinylbenzoyl)-l-alanine        | 219 | C12H13NO3  | 139184-60-4  | 47   |
| 4    |    | Propanedioic acid, nitrile, hydr... | 229 | C12H11N3O2 | 294878-35-6  | 47   |
| 5    |    | Oxalic acid, monoamide monohydra... | 323 | C18H17N3O3 | 1000294-01-4 | 47   |



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ClientSampleId :  
SP2-L

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

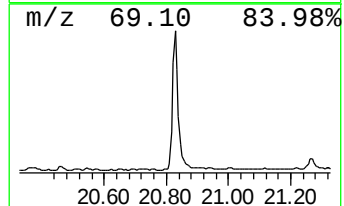
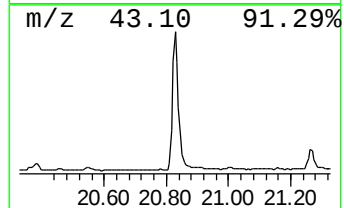
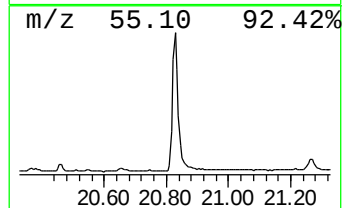
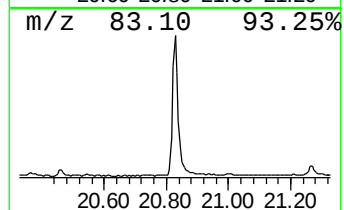
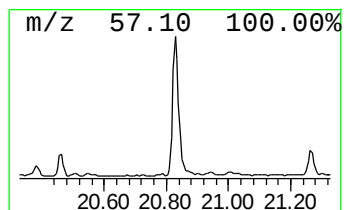
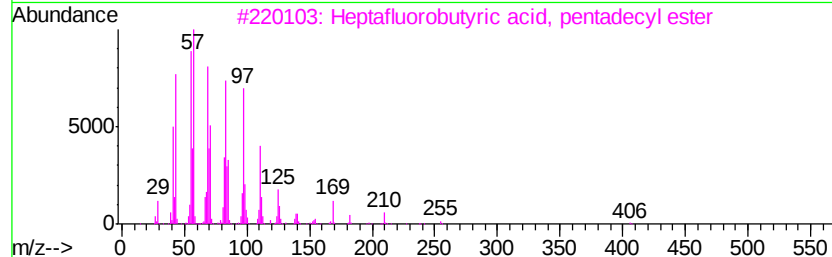
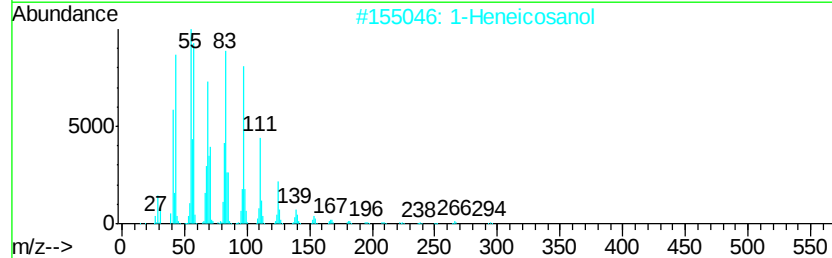
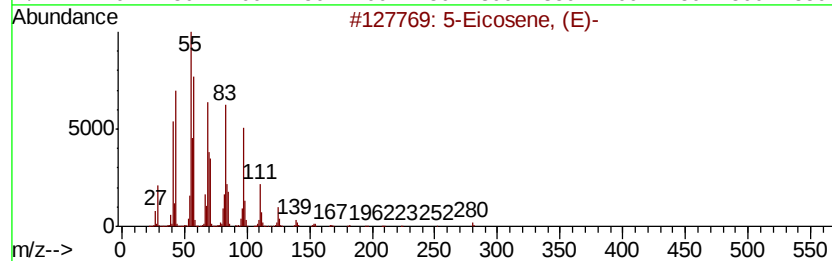
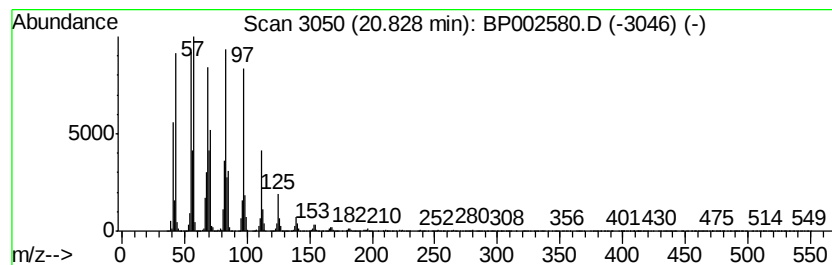
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 5-Eicosene, (E)- Concentration Rank 4

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 20.83 | 12.75 ng | 1653690 | Chrysene-d12     | 21.09 |

| Hit# of | 5                                   | Tentative ID | MW  | MolForm     | CAS#         | Qual |
|---------|-------------------------------------|--------------|-----|-------------|--------------|------|
| 1       | 5-Eicosene, (E)-                    |              | 280 | C20H40      | 074685-30-6  | 99   |
| 2       | 1-Heneicosanol                      |              | 312 | C21H44O     | 015594-90-8  | 95   |
| 3       | Heptafluorobutyric acid, pentade... |              | 424 | C19H31F7O2  | 959261-23-5  | 94   |
| 4       | Behenic alcohol                     |              | 326 | C22H46O     | 000661-19-8  | 94   |
| 5       | Dichloroacetic acid, heptadecyl ... |              | 366 | C19H36Cl2O2 | 1000282-98-2 | 94   |



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Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SP2-L

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

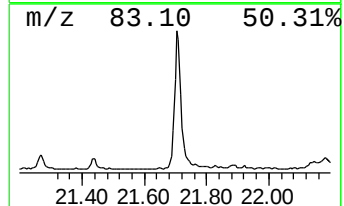
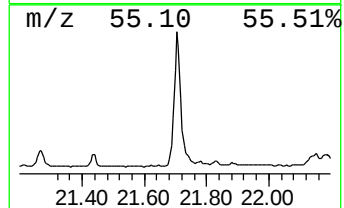
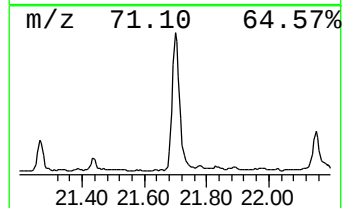
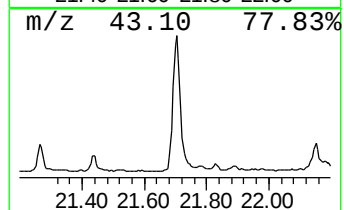
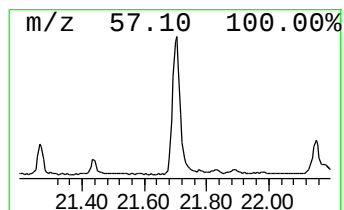
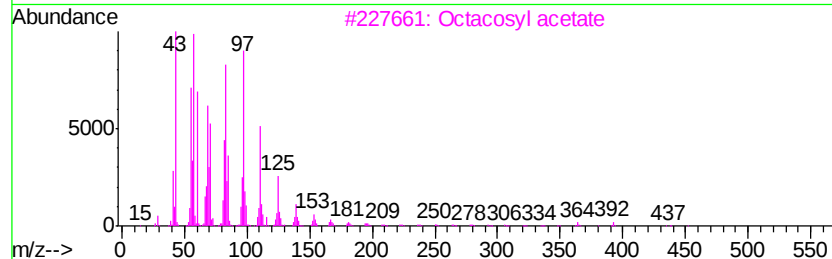
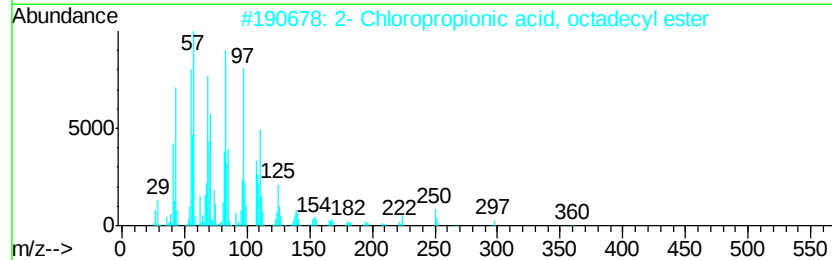
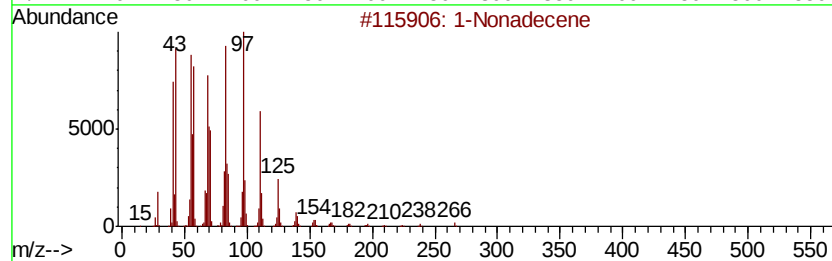
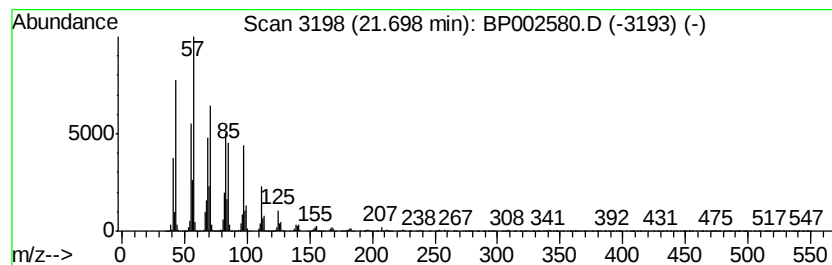
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 1-Nonadecene Concentration Rank 6

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 21.70 | 11.15 ng | 1445200 | Chrysene-d12     | 21.09 |

| Hit# of | 5                                   | Tentative ID | MW  | MolForm    | CAS#         | Qual |
|---------|-------------------------------------|--------------|-----|------------|--------------|------|
| 1       | 1-Nonadecene                        |              | 266 | C19H38     | 018435-45-5  | 98   |
| 2       | 2- Chloropropionic acid, octadec... |              | 360 | C21H41ClO2 | 088104-31-8  | 93   |
| 3       | Octacosyl acetate                   |              | 452 | C30H60O2   | 018206-97-8  | 93   |
| 4       | 1-Heneicosanol                      |              | 312 | C21H44O    | 015594-90-8  | 93   |
| 5       | Nonadecyl pentafluoropropionate     |              | 430 | C22H39F5O2 | 1000351-88-8 | 91   |



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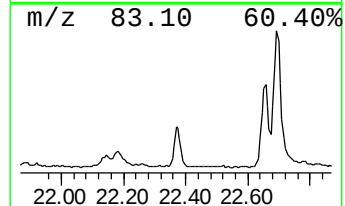
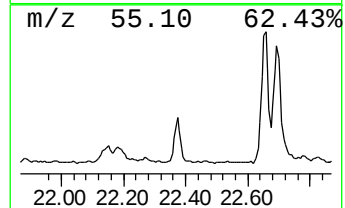
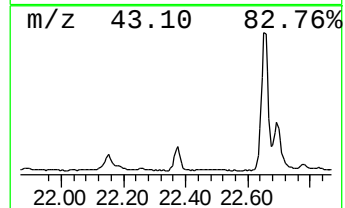
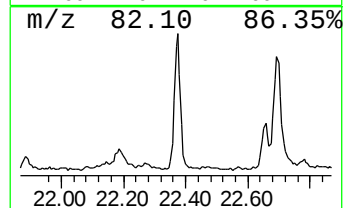
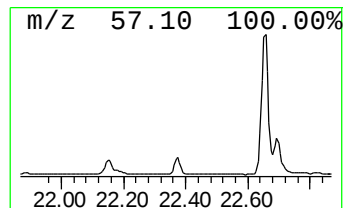
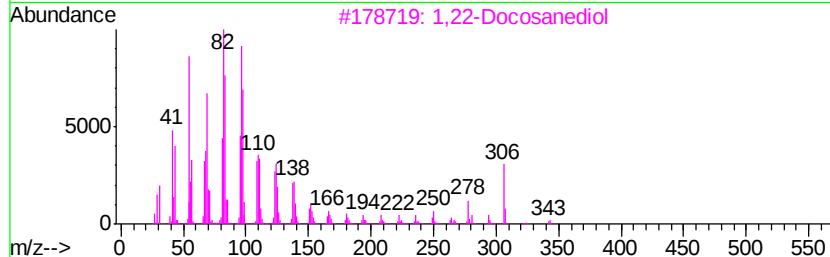
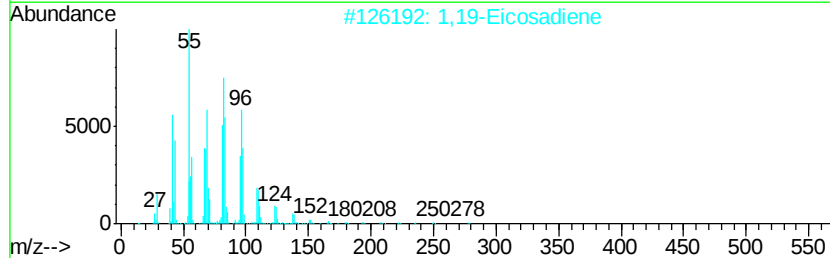
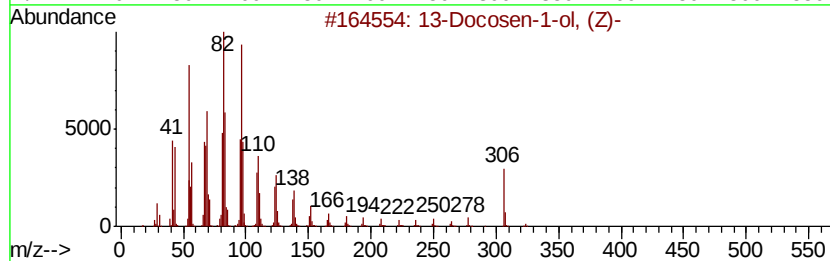
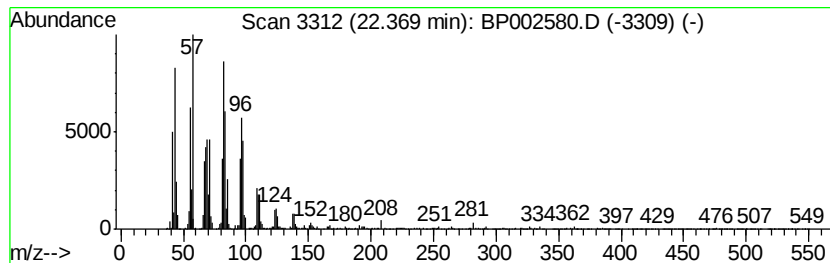
Instrument :  
BNA\_P  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 13-Docosen-1-ol, (Z)- Concentration Rank 16

| R.T.  | EstConc               | Area   | Relative to ISTD | R.T.  |          |             |      |
|-------|-----------------------|--------|------------------|-------|----------|-------------|------|
| 22.37 | 2.89 ng               | 345747 | Perylene-d12     | 23.29 |          |             |      |
| Hit#  | of                    | 5      | Tentative ID     | MW    | MolForm  | CAS#        | Qual |
| 1     | 13-Docosen-1-ol, (Z)- |        |                  | 324   | C22H44O  | 000629-98-1 | 97   |
| 2     | 1,19-Eicosadiene      |        |                  | 278   | C20H38   | 014811-95-1 | 95   |
| 3     | 1,22-Docosanediol     |        |                  | 342   | C22H46O2 | 022513-81-1 | 93   |
| 4     | Oxirane, hexadecyl-   |        |                  | 268   | C18H36O  | 007390-81-0 | 91   |
| 5     | Octadecanal           |        |                  | 268   | C18H36O  | 000638-66-4 | 91   |



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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SP2-L

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

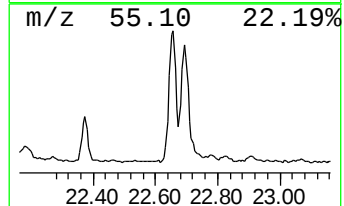
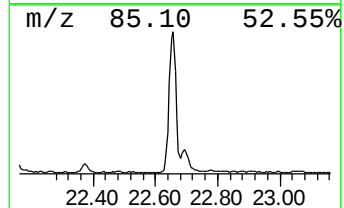
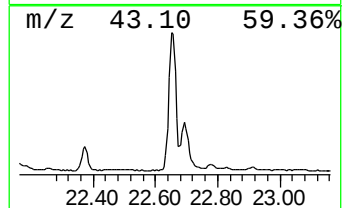
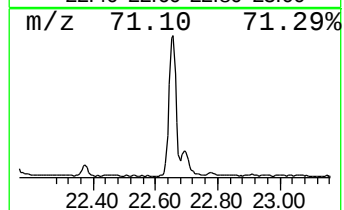
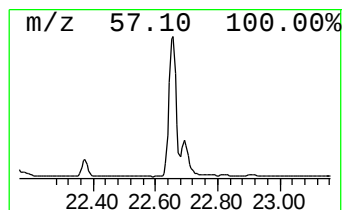
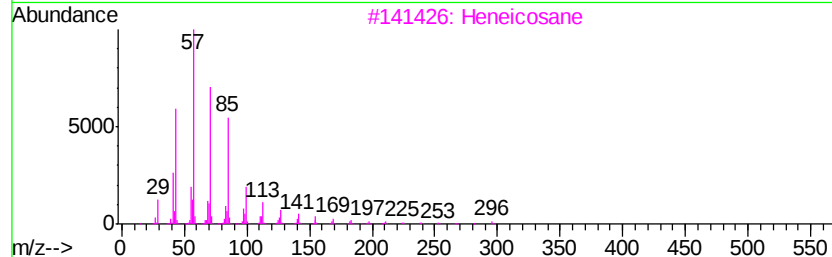
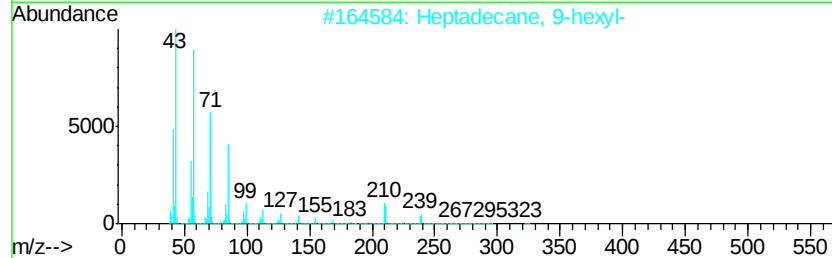
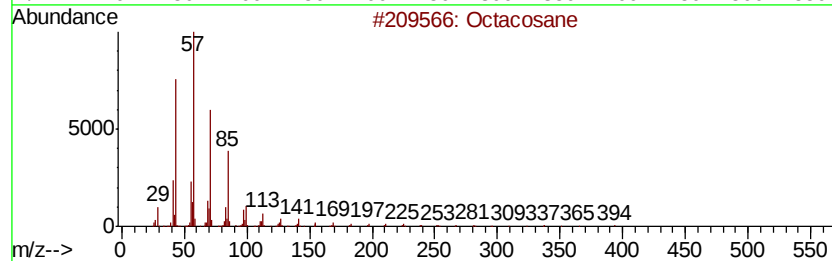
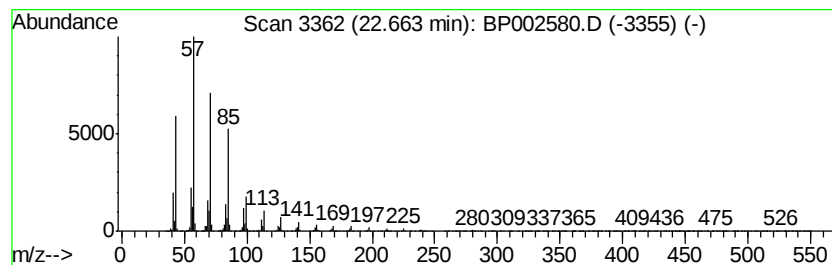
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Octacosane Concentration Rank 3

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 22.66 | 13.54 ng | 1619140 | Perylene-d12     | 23.29 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#         | Qual |
|------|----|-----------------------|-----|---------|--------------|------|
| 1    | 5  | Octacosane            | 394 | C28H58  | 000630-02-4  | 96   |
| 2    |    | Heptadecane, 9-hexyl- | 324 | C23H48  | 055124-79-3  | 94   |
| 3    |    | Heneicosane           | 296 | C21H44  | 000629-94-7  | 91   |
| 4    |    | Hexacosane            | 366 | C26H54  | 000630-01-3  | 91   |
| 5    |    | 2-methyloctacosane    | 408 | C29H60  | 1000376-72-8 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP063020\  
Data File : BP002580.D  
Acq On : 30 Jun 2020 18:02  
Operator : CG/JU  
Sample : L3153-43  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SP2-L

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

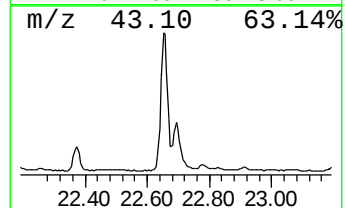
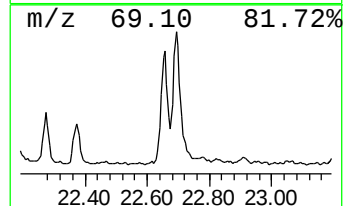
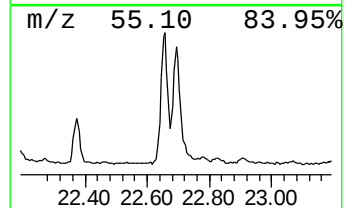
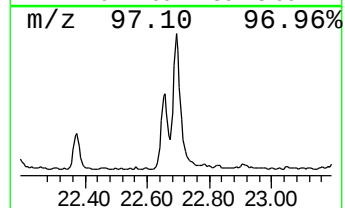
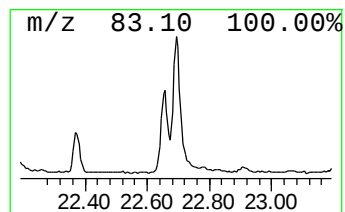
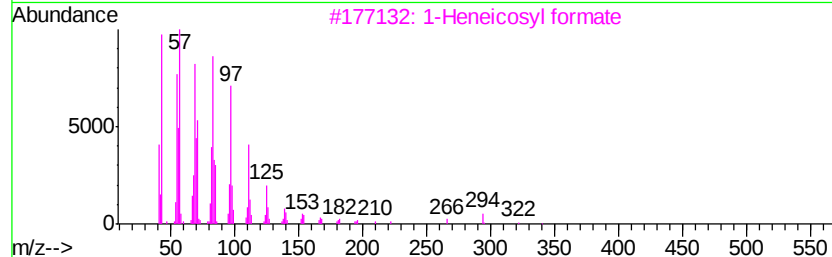
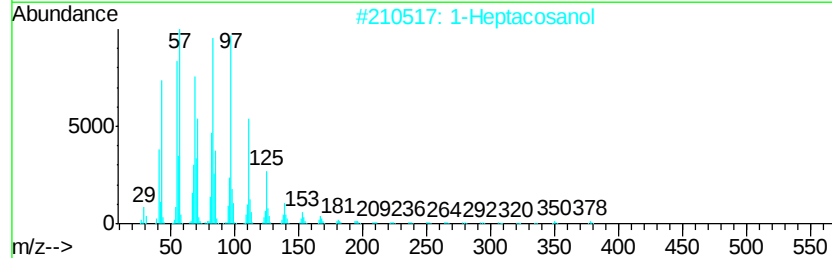
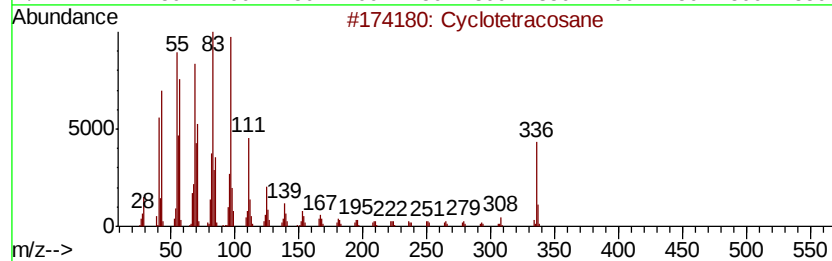
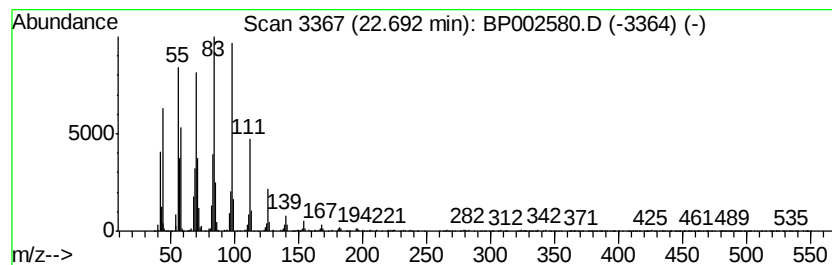
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 Cyclotetracosane Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 22.69 | 7.26 ng | 868386 | Perylene-d12     | 23.29 |

| Hit# | of | Tentative ID         | MW  | MolForm  | CAS#        | Qual |
|------|----|----------------------|-----|----------|-------------|------|
| 1    | 5  | Cyclotetracosane     | 336 | C24H48   | 000297-03-0 | 91   |
| 2    |    | 1-Heptacosanol       | 396 | C27H56O  | 002004-39-9 | 90   |
| 3    |    | 1-Heneicosyl formate | 340 | C22H44O2 | 077899-03-7 | 87   |
| 4    |    | 1-Heneicosanol       | 312 | C21H44O  | 015594-90-8 | 83   |
| 5    |    | Octacosanol          | 410 | C28H58O  | 000557-61-9 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP063020\  
Data File : BP002580.D  
Acq On : 30 Jun 2020 18:02  
Operator : CG/JU  
Sample : L3153-43  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SP2-L

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

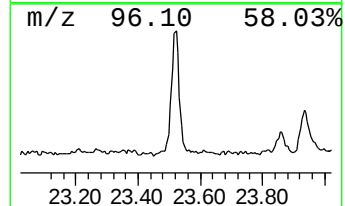
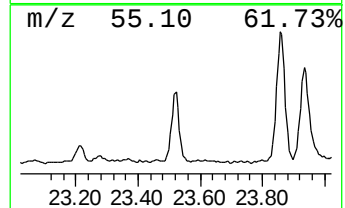
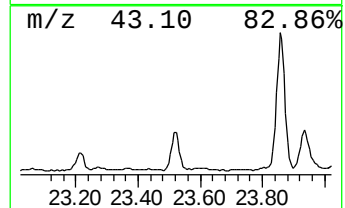
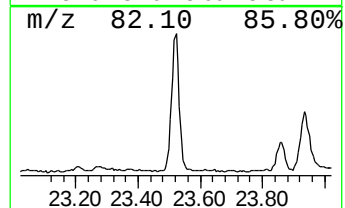
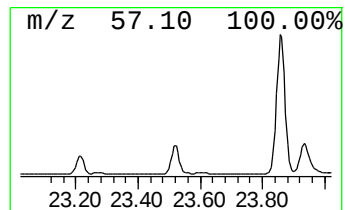
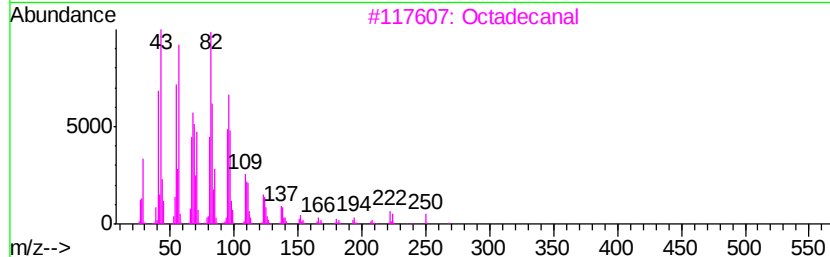
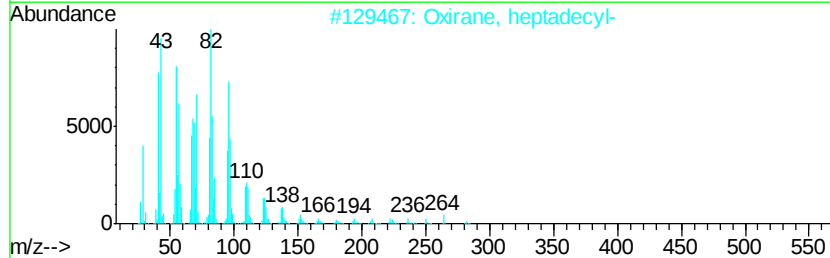
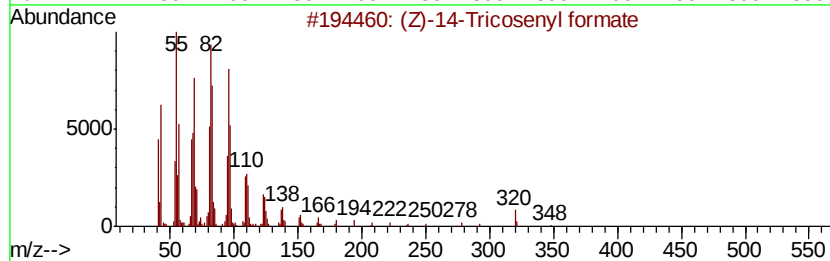
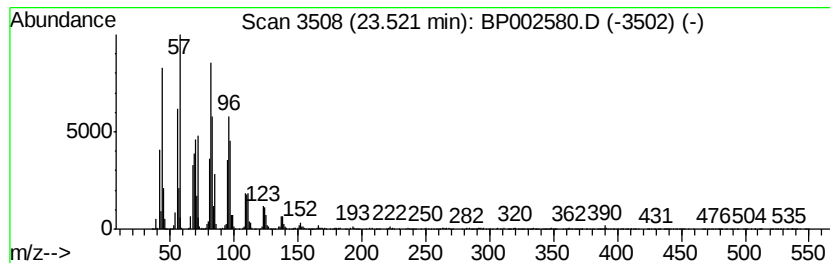
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 (Z)-14-Tricosenyl formate Concentration Rank 14

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 23.52 | 6.22 ng | 743831 | Perylene-d12     | 23.29 |

| Hit# | of | Tentative ID              | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------------|-----|----------|-------------|------|
| 1    | 5  | (Z)-14-Tricosenyl formate | 366 | C24H46O2 | 077899-10-6 | 95   |
| 2    |    | Oxirane, heptadecyl-      | 282 | C19H38O  | 067860-04-2 | 94   |
| 3    |    | Octadecanal               | 268 | C18H36O  | 000638-66-4 | 93   |
| 4    |    | Oxirane, hexadecyl-       | 268 | C18H36O  | 007390-81-0 | 91   |
| 5    |    | Octacosyl acetate         | 452 | C30H60O2 | 018206-97-8 | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP063020\  
 Data File : BP002580.D  
 Acq On : 30 Jun 2020 18:02  
 Operator : CG/JU  
 Sample : L3153-43  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SP2-L

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

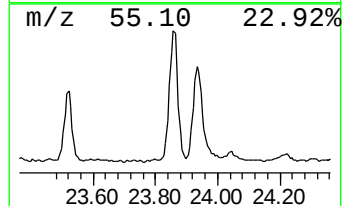
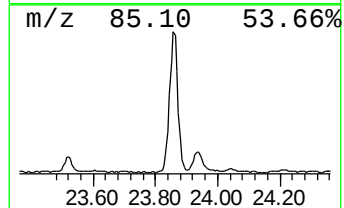
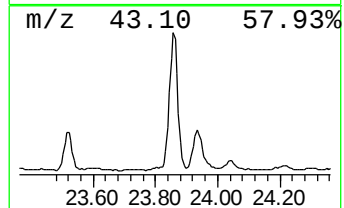
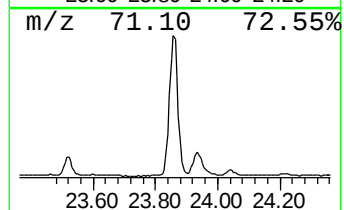
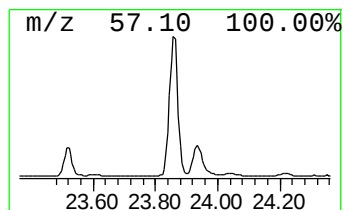
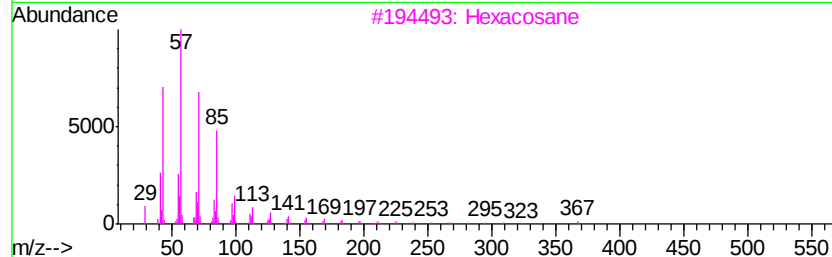
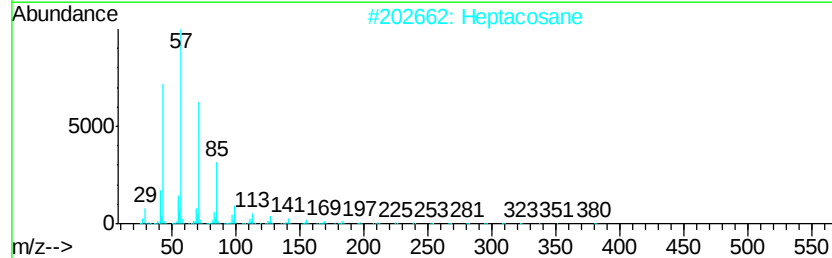
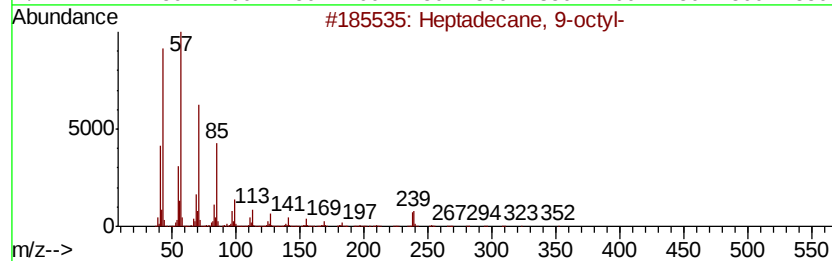
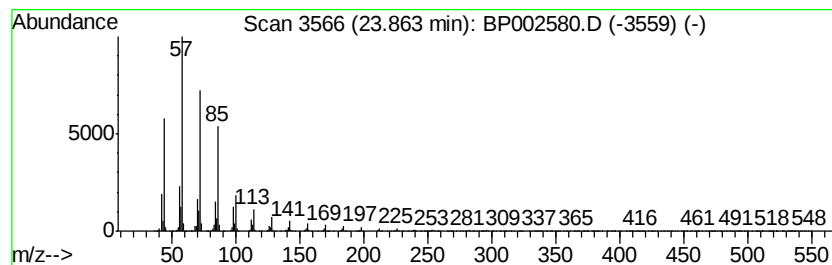
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
 Peak Number 10 Heptadecane, 9-octyl- Concentration Rank 2

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 23.86 | 15.77 ng | 1886370 | Perylene-d12     | 23.29 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#         | Qual |
|------|----|-----------------------|-----|---------|--------------|------|
| 1    | 5  | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1  | 95   |
| 2    |    | Heptacosane           | 380 | C27H56  | 000593-49-7  | 94   |
| 3    |    | Hexacosane            | 366 | C26H54  | 000630-01-3  | 91   |
| 4    |    | 2-methyloctacosane    | 408 | C29H60  | 1000376-72-8 | 91   |
| 5    |    | Heneicosane           | 296 | C21H44  | 000629-94-7  | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP063020\  
Data File : BP002580.D  
Acq On : 30 Jun 2020 18:02  
Operator : CG/JU  
Sample : L3153-43  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SP2-L

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

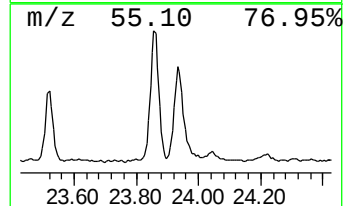
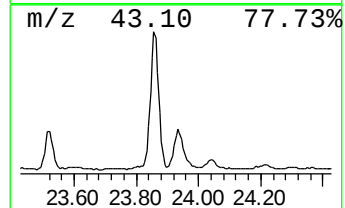
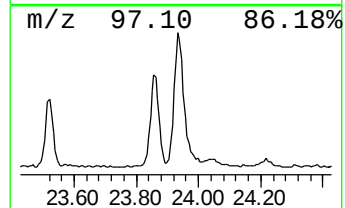
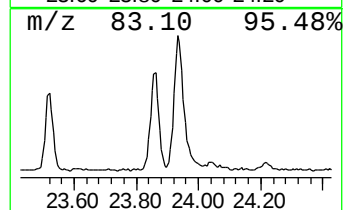
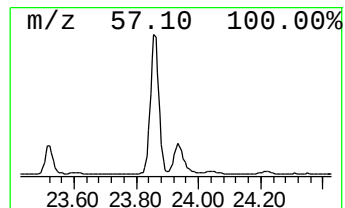
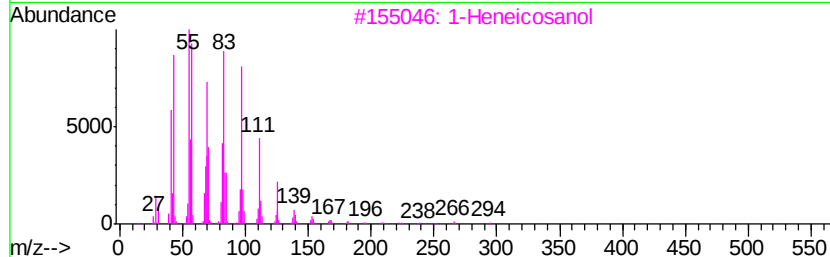
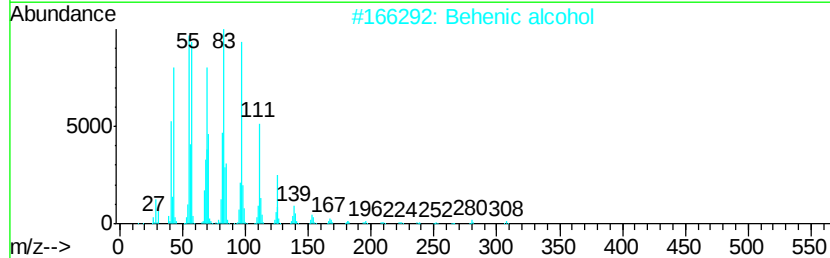
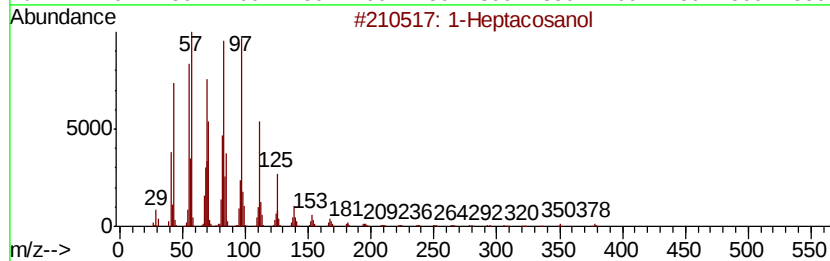
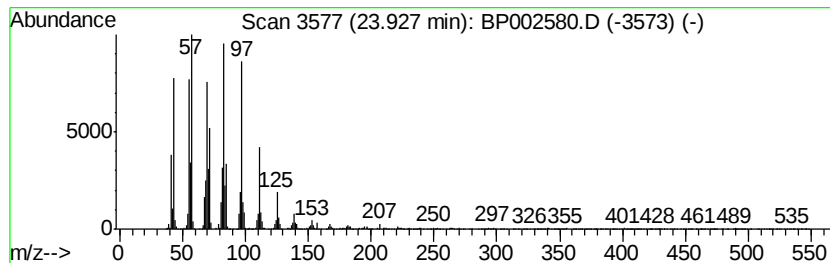
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 1-Heptacosanol Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 23.93 | 7.56 ng | 903909 | Perylene-d12     | 23.29 |

| Hit# | of | 5 | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------|-----|---------|-------------|------|
| 1    |    |   | 1-Heptacosanol   | 396 | C27H56O | 002004-39-9 | 95   |
| 2    |    |   | Behenic alcohol  | 326 | C22H46O | 000661-19-8 | 95   |
| 3    |    |   | 1-Heneicosanol   | 312 | C21H44O | 015594-90-8 | 93   |
| 4    |    |   | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 91   |
| 5    |    |   | 1-Docosene       | 308 | C22H44  | 001599-67-3 | 81   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP063020\  
Data File : BP002580.D  
Acq On : 30 Jun 2020 18:02  
Operator : CG/JU  
Sample : L3153-43  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SP2-L

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

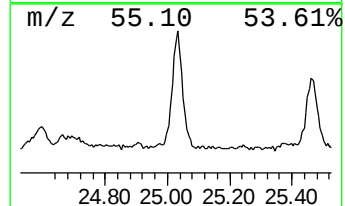
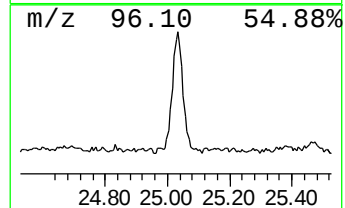
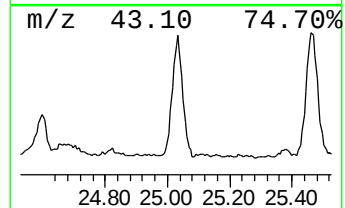
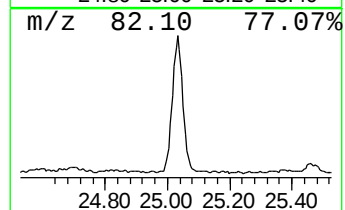
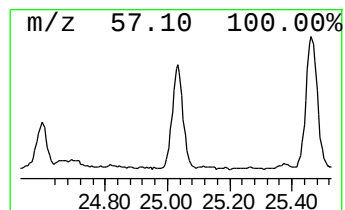
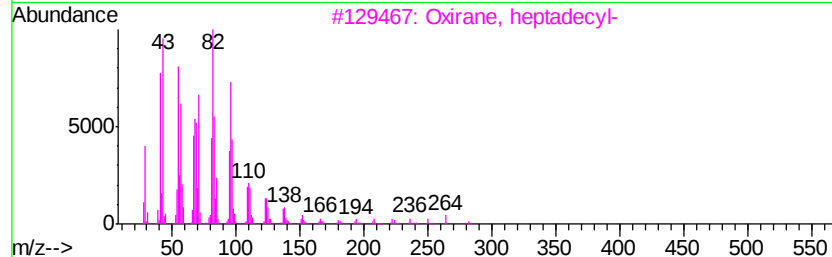
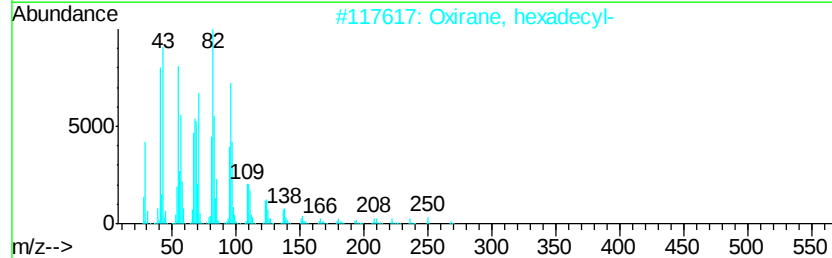
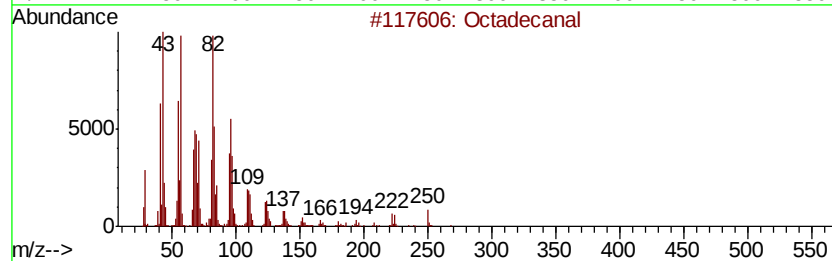
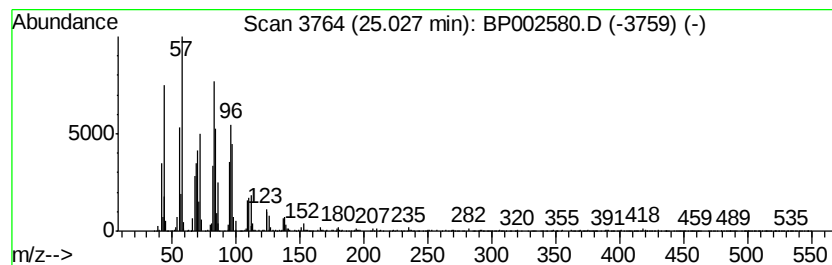
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Octadecanal Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 25.03 | 6.68 ng | 798429 | Perylene-d12     | 23.29 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#         | Qual |
|------|----|---|----------------------|-----|---------|--------------|------|
| 1    |    |   | Octadecanal          | 268 | C18H36O | 000638-66-4  | 93   |
| 2    |    |   | Oxirane, hexadecyl-  | 268 | C18H36O | 007390-81-0  | 93   |
| 3    |    |   | Oxirane, heptadecyl- | 282 | C19H38O | 067860-04-2  | 91   |
| 4    |    |   | 1,13-Tetradecadiene  | 194 | C14H26  | 021964-49-8  | 78   |
| 5    |    |   | 18-Nonadecen-1-ol    | 282 | C19H38O | 1000142-89-2 | 68   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP063020\  
Data File : BP002580.D  
Acq On : 30 Jun 2020 18:02  
Operator : CG/JU  
Sample : L3153-43  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SP2-L

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

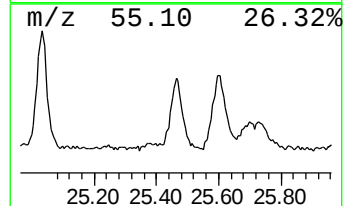
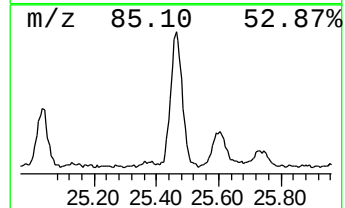
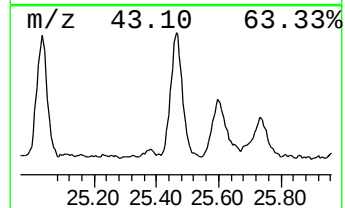
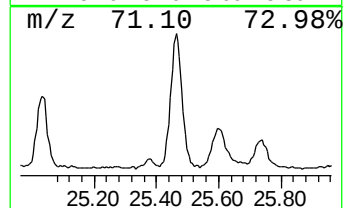
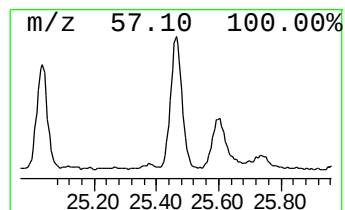
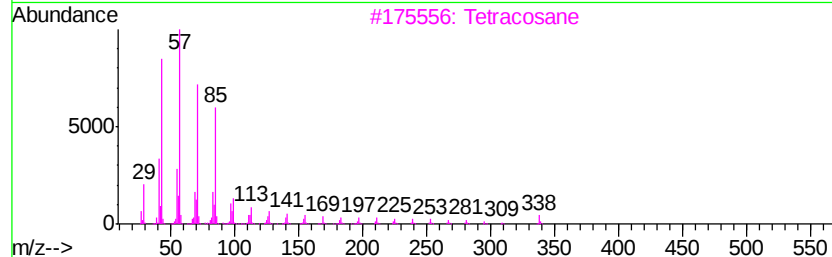
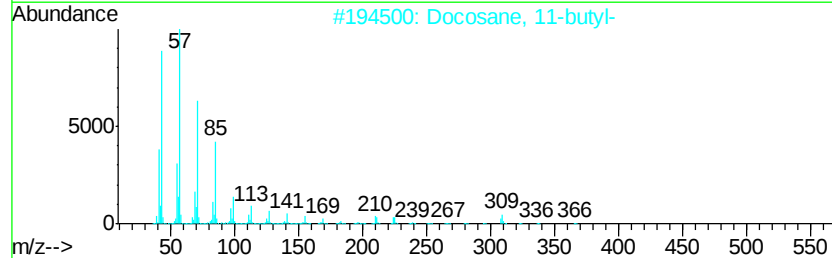
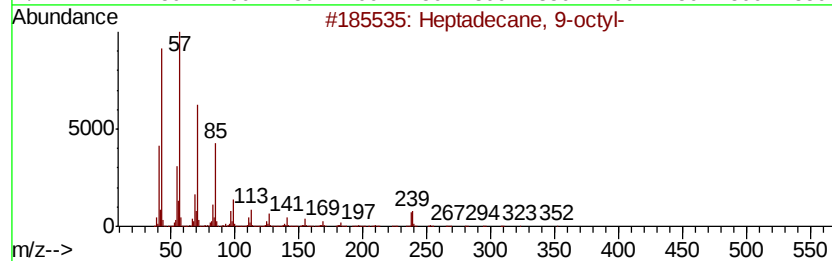
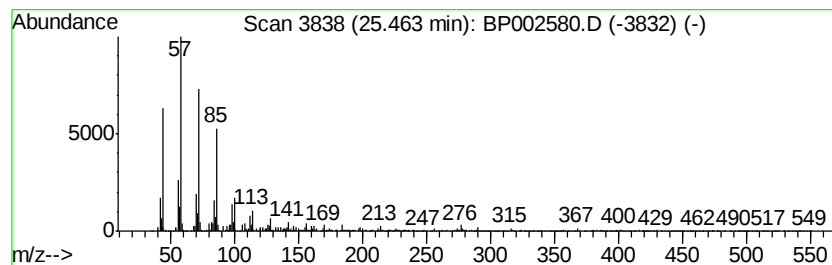
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Docosane, 11-butyl- Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 25.46 | 6.24 ng | 746373 | Perylene-d12     | 23.29 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Heptadecane, 9-octyl-   | 352 | C25H52  | 007225-64-1 | 94   |
| 2    |    |   | Docosane, 11-butyl-     | 366 | C26H54  | 013475-76-8 | 93   |
| 3    |    |   | Tetracosane             | 338 | C24H50  | 000646-31-1 | 93   |
| 4    |    |   | Heneicosane, 11-pentyl- | 366 | C26H54  | 014739-72-1 | 93   |
| 5    |    |   | triacontane             | 422 | C30H62  | 000638-68-6 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP063020\  
Data File : BP002580.D  
Acq On : 30 Jun 2020 18:02  
Operator : CG/JU  
Sample : L3153-43  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SP2-L

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

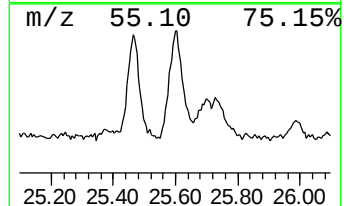
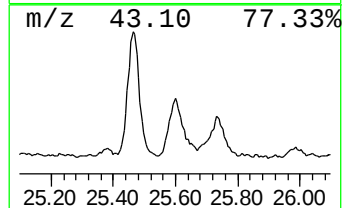
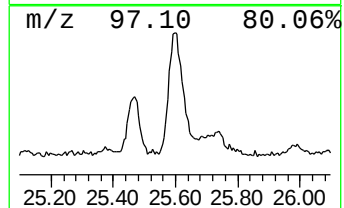
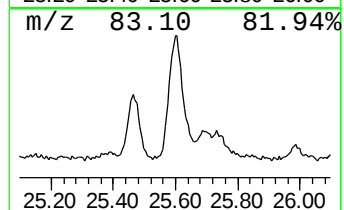
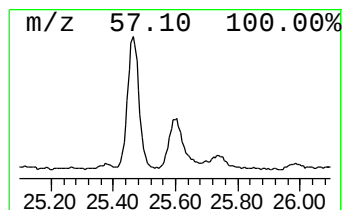
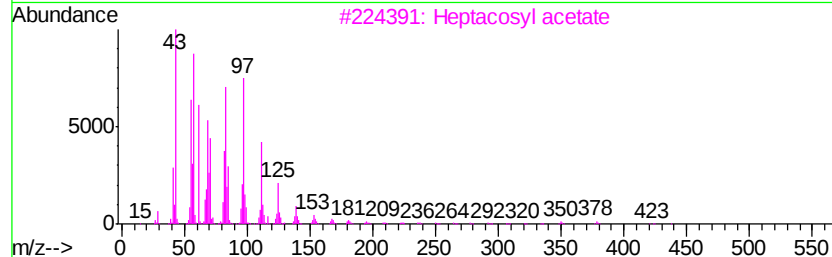
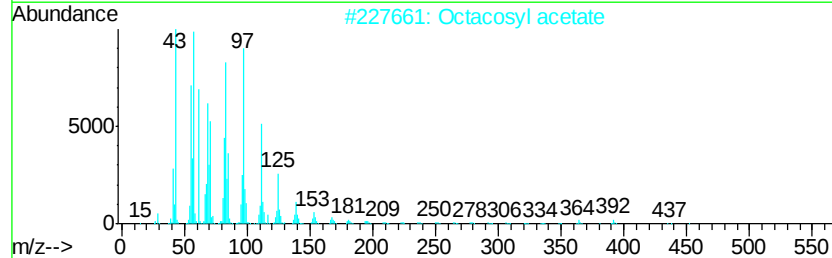
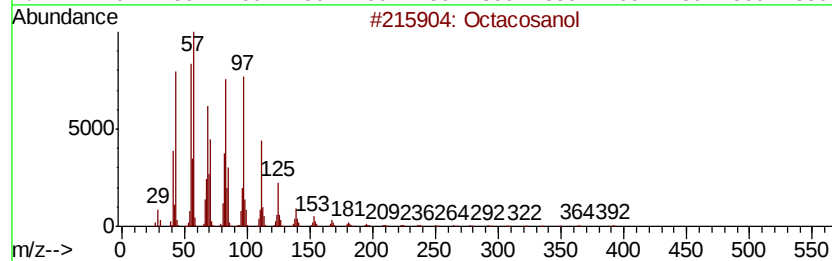
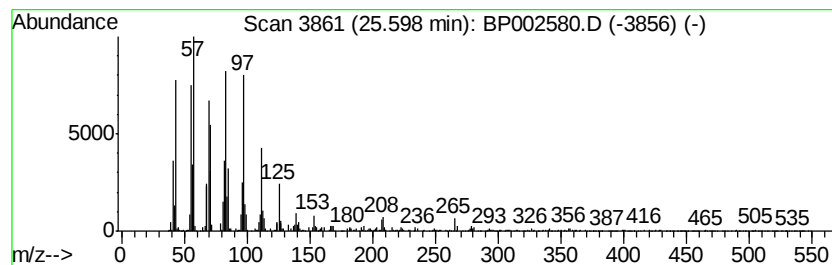
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Octacosanol Concentration Rank 15

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 25.60 | 3.05 ng | 364320 | Perylene-d12     | 23.29 |

| Hit# | of | Tentative ID       | MW  | MolForm  | CAS#         | Qual |
|------|----|--------------------|-----|----------|--------------|------|
| 1    | 5  | Octacosanol        | 410 | C28H58O  | 000557-61-9  | 94   |
| 2    |    | Octacosyl acetate  | 452 | C30H60O2 | 018206-97-8  | 94   |
| 3    |    | Heptacosyl acetate | 438 | C29H58O2 | 1000351-78-2 | 94   |
| 4    |    | 1-Heptacosanol     | 396 | C27H56O  | 002004-39-9  | 94   |
| 5    |    | n-Tetracosanol-1   | 354 | C24H50O  | 000506-51-4  | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP063020\  
Data File : BP002580.D  
Acq On : 30 Jun 2020 18:02  
Operator : CG/JU  
Sample : L3153-43  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

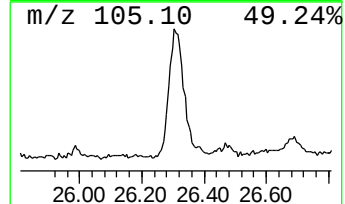
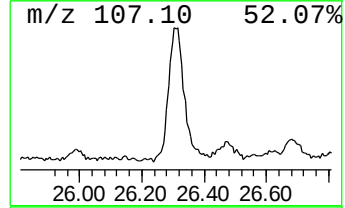
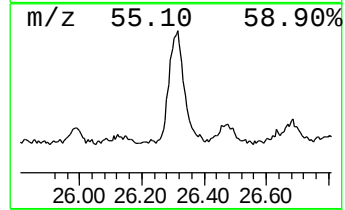
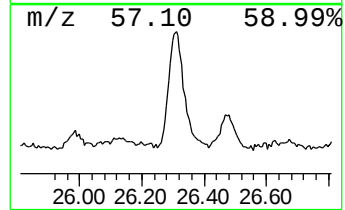
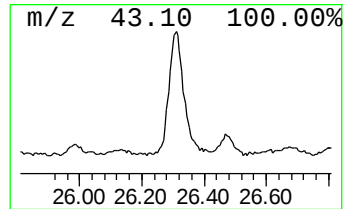
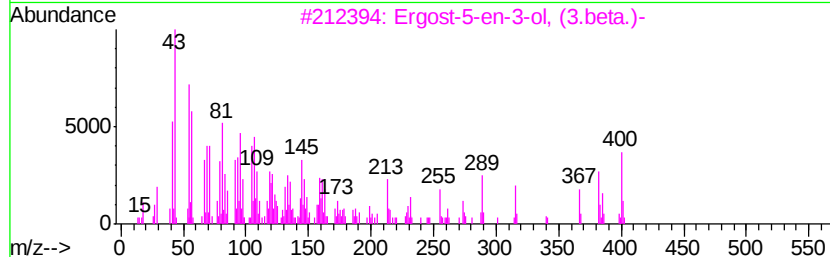
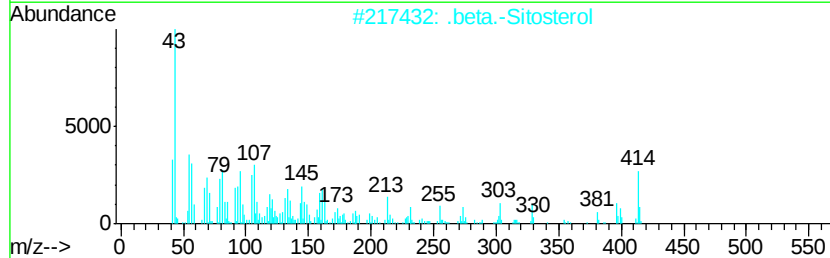
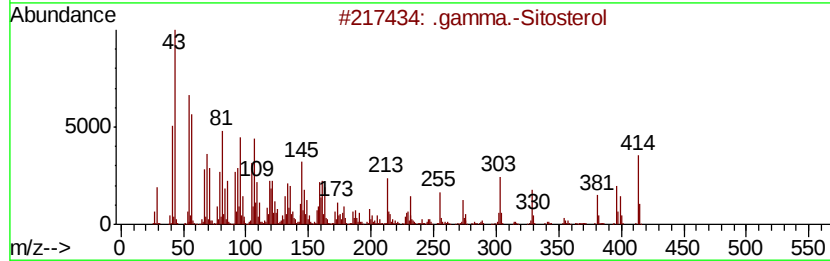
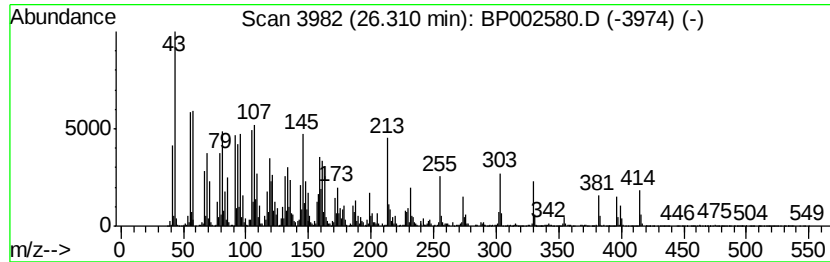
Instrument :  
BNA\_P  
ClientSampleId :  
SP2-L

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.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 15 .gamma.-Sitosterol Concentration Rank 5

| R.T.      | EstConc                      | Area    | Relative to ISTD | R.T.        |      |
|-----------|------------------------------|---------|------------------|-------------|------|
| 26.31     | 12.58 ng                     | 1504510 | Perylene-d12     | 23.29       |      |
| Hit# of 5 | Tentative ID                 | MW      | MolForm          | CAS#        | Qual |
| 1         | .gamma.-Sitosterol           | 414     | C29H50O          | 000083-47-6 | 99   |
| 2         | .beta.-Sitosterol            | 414     | C29H50O          | 000083-46-5 | 95   |
| 3         | Ergost-5-en-3-ol, (3.beta.)- | 400     | C28H48O          | 004651-51-8 | 60   |
| 4         | Campesterol                  | 400     | C28H48O          | 000474-62-4 | 47   |
| 5         | Isocholesteryl methyl ether  | 400     | C28H48O          | 029944-53-4 | 43   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP063020\  
Data File : BP002580.D  
Acq On : 30 Jun 2020 18:02  
Operator : CG/JU  
Sample : L3153-43  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SP2-L

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

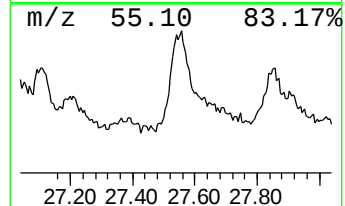
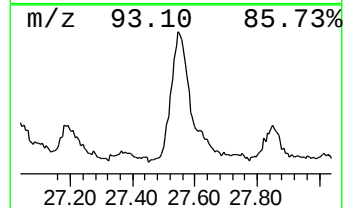
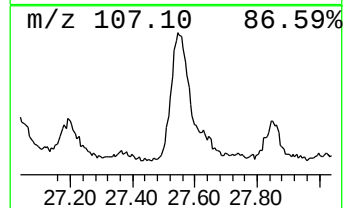
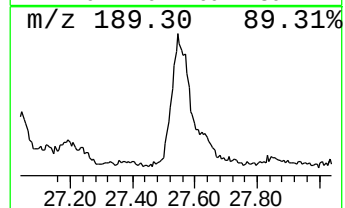
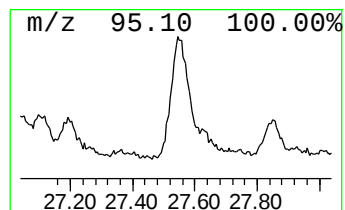
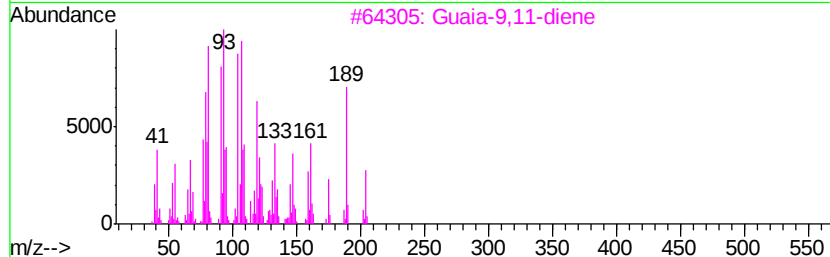
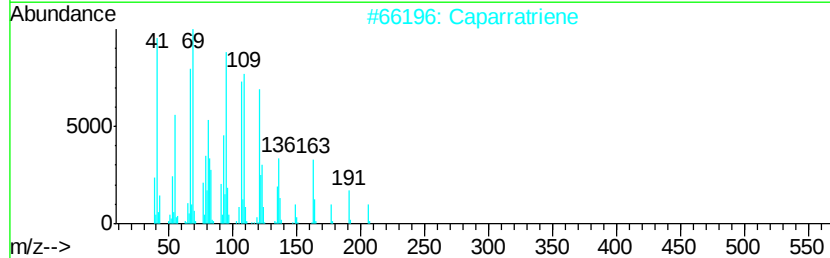
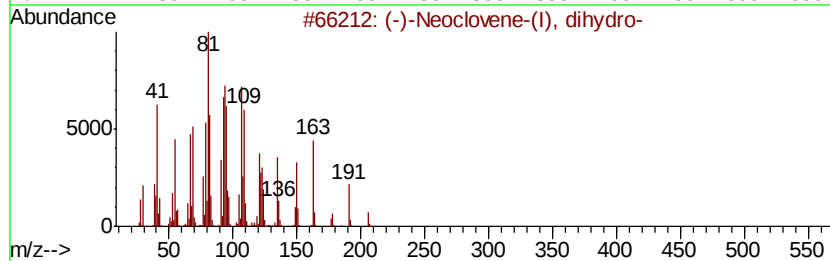
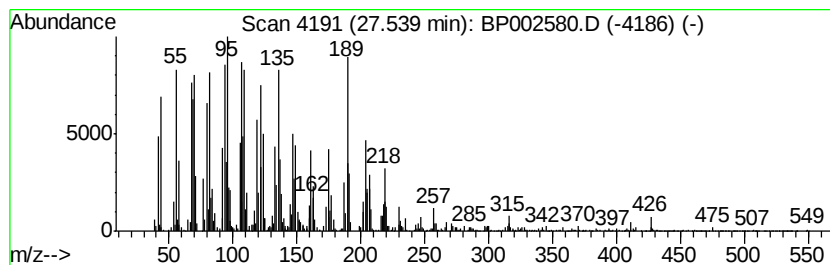
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 (-)-Neoclovene-(I), dihydro- Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 27.54 | 6.32 ng | 756500 | Perylene-d12     | 23.29 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | (-)-Neoclovene-(I), dihydro-        | 206 | C15H26  | 1000152-82-1 | 80   |
| 2    |    | Caparratriene                       | 206 | C15H26  | 1000374-08-7 | 78   |
| 3    |    | Guaia-9,11-diene                    | 204 | C15H24  | 1000374-19-8 | 51   |
| 4    |    | Longifolenaldehyde                  | 220 | C15H24O | 019890-84-7  | 45   |
| 5    |    | Cyclohexane, 1-ethenyl-1-methyl-... | 204 | C15H24  | 003242-08-8  | 45   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_P\DATA\BP063020\  
 Data File : BP002580.D  
 Acq On : 30 Jun 2020 18:02  
 Operator : CG/JU  
 Sample : L3153-43  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SP2-L

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP062920.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 |
| Cinnamyl cinnamate   | 20.66 | 7.5 ng  |       | 973932   | 5                     | 21.09 | 2593340 | 20.0 |
| 5-Eicosene, (E)-     | 20.83 | 12.8 ng |       | 1653690  | 5                     | 21.09 | 2593340 | 20.0 |
| 1-Nonadecene         | 21.70 | 11.2 ng |       | 1445200  | 5                     | 21.09 | 2593340 | 20.0 |
| 13-Docosen-1-ol, ... | 22.37 | 2.9 ng  |       | 345747   | 6                     | 23.29 | 2392130 | 20.0 |
| Octacosane           | 22.66 | 13.5 ng |       | 1619140  | 6                     | 23.29 | 2392130 | 20.0 |
| Cyclotetracosane     | 22.69 | 7.3 ng  |       | 868386   | 6                     | 23.29 | 2392130 | 20.0 |
| (Z)-14-Tricosenyl... | 23.52 | 6.2 ng  |       | 743831   | 6                     | 23.29 | 2392130 | 20.0 |
| Heptadecane, 9-oc... | 23.86 | 15.8 ng |       | 1886370  | 6                     | 23.29 | 2392130 | 20.0 |
| 1-Heptacosanol       | 23.93 | 7.6 ng  |       | 903909   | 6                     | 23.29 | 2392130 | 20.0 |
| Octadecanal          | 25.03 | 6.7 ng  |       | 798429   | 6                     | 23.29 | 2392130 | 20.0 |
| Docosane, 11-butyl-  | 25.46 | 6.2 ng  |       | 746373   | 6                     | 23.29 | 2392130 | 20.0 |
| Octacosanol          | 25.60 | 3.0 ng  |       | 364320   | 6                     | 23.29 | 2392130 | 20.0 |
| .gamma.-Sitosterol   | 26.31 | 12.6 ng |       | 1504510  | 6                     | 23.29 | 2392130 | 20.0 |
| (-)-Neoclovene-(I... | 27.54 | 6.3 ng  |       | 756500   | 6                     | 23.29 | 2392130 | 20.0 |