

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_P\DATA\BP063020\  
 Data File : BP002578.D  
 Acq On : 30 Jun 2020 16:54  
 Operator : CG/JU  
 Sample : L3153-28  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SP2-G

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         | 410          | rBV      | 1115811        | 1777379       | 25.52%          | 3.223%        |
| 2         | 6.763       | 649           | 659         | 677          | rBV      | 1304879        | 2137964       | 30.70%          | 3.876%        |
| 3         | 7.569       | 786           | 796         | 805          | rBV      | 347718         | 562215        | 8.07%           | 1.019%        |
| 4         | 7.887       | 843           | 850         | 863          | rBV      | 1099396        | 1830023       | 26.28%          | 3.318%        |
| 5         | 8.716       | 983           | 991         | 1005         | rBV      | 912519         | 1544780       | 22.18%          | 2.801%        |
| 6         | 10.345      | 1259          | 1268        | 1284         | rBV      | 490887         | 867476        | 12.46%          | 1.573%        |
| 7         | 12.834      | 1684          | 1691        | 1710         | rBV      | 2519655        | 3846637       | 55.24%          | 6.975%        |
| 8         | 13.551      | 1809          | 1813        | 1823         | rVB2     | 61724          | 98860         | 1.42%           | 0.179%        |
| 9         | 13.681      | 1831          | 1835        | 1848         | rVB      | 327787         | 466557        | 6.70%           | 0.846%        |
| 10        | 14.222      | 1914          | 1927        | 1934         | rBV2     | 872305         | 1835576       | 26.36%          | 3.328%        |
| 11        | 14.316      | 1940          | 1943        | 1951         | rVB5     | 42641          | 92966         | 1.33%           | 0.169%        |
| 12        | 14.498      | 1967          | 1974        | 1980         | rBV      | 106396         | 164771        | 2.37%           | 0.299%        |
| 13        | 14.575      | 1980          | 1987        | 1992         | rVB2     | 68816          | 117032        | 1.68%           | 0.212%        |
| 14        | 15.722      | 2173          | 2182        | 2194         | rBV      | 2353358        | 3508631       | 50.38%          | 6.362%        |
| 15        | 16.980      | 2382          | 2396        | 2401         | rBV      | 1311231        | 1868141       | 26.83%          | 3.387%        |
| 16        | 18.645      | 2675          | 2679        | 2684         | rBV      | 94236          | 114212        | 1.64%           | 0.207%        |
| 17        | 19.357      | 2797          | 2800        | 2807         | rVB2     | 45672          | 76824         | 1.10%           | 0.139%        |
| 18        | 19.480      | 2817          | 2821        | 2829         | rVB      | 393847         | 487445        | 7.00%           | 0.884%        |
| 19        | 19.568      | 2831          | 2836        | 2843         | rVV      | 5250714        | 6963964       | 100.00%         | 12.627%       |
| 20        | 19.868      | 2883          | 2887        | 2890         | rBV2     | 81612          | 122207        | 1.75%           | 0.222%        |
| 21        | 19.898      | 2890          | 2892        | 2897         | rVB2     | 69392          | 76408         | 1.10%           | 0.139%        |
| 22        | 19.974      | 2902          | 2905        | 2911         | rVB      | 82241          | 94018         | 1.35%           | 0.170%        |
| 23        | 20.204      | 2941          | 2944        | 2948         | rVV2     | 74675          | 91273         | 1.31%           | 0.165%        |
| 24        | 20.257      | 2948          | 2953        | 2960         | rVB4     | 52733          | 105140        | 1.51%           | 0.191%        |
| 25        | 20.404      | 2975          | 2978        | 2983         | rVB      | 143111         | 160778        | 2.31%           | 0.292%        |
| 26        | 20.463      | 2984          | 2988        | 2993         | rBV2     | 98494          | 179342        | 2.58%           | 0.325%        |
| 27        | 20.504      | 2993          | 2995        | 3000         | rVB      | 60721          | 73723         | 1.06%           | 0.134%        |
| 28        | 20.657      | 3017          | 3021        | 3025         | rBV      | 568909         | 612545        | 8.80%           | 1.111%        |
| 29        | 20.827      | 3046          | 3050        | 3060         | rBV      | 1023563        | 1379899       | 19.81%          | 2.502%        |
| 30        | 21.086      | 3089          | 3094        | 3099         | rBV2     | 1900644        | 2437477       | 35.00%          | 4.419%        |
| 31        | 21.262      | 3121          | 3124        | 3128         | rBV      | 209367         | 229122        | 3.29%           | 0.415%        |
| 32        | 21.433      | 3150          | 3153        | 3160         | rVB      | 105674         | 123425        | 1.77%           | 0.224%        |
| 33        | 21.704      | 3193          | 3199        | 3209         | rBV2     | 1178634        | 1956751       | 28.10%          | 3.548%        |
| 34        | 21.827      | 3217          | 3220        | 3224         | rBV      | 94370          | 99828         | 1.43%           | 0.181%        |

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Sample : L3153-28  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SP2-G

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 | 21.992 | 3244 | 3248 | 3258 | rVB2 | 233749  | 357088  | 5.13%  | 0.647% |
| 36 | 22.151 | 3270 | 3275 | 3279 | rBV  | 357367  | 502437  | 7.21%  | 0.911% |
| 37 | 22.274 | 3293 | 3296 | 3305 | rVB  | 97396   | 139172  | 2.00%  | 0.252% |
| 38 | 22.374 | 3308 | 3313 | 3318 | rVB  | 312596  | 436558  | 6.27%  | 0.792% |
| 39 | 22.657 | 3355 | 3361 | 3364 | rBV  | 1582173 | 2303808 | 33.08% | 4.177% |
| 40 | 22.692 | 3364 | 3367 | 3378 | rVB  | 784442  | 1243796 | 17.86% | 2.255% |
| 41 | 23.215 | 3451 | 3456 | 3461 | rVB  | 333229  | 525311  | 7.54%  | 0.952% |
| 42 | 23.286 | 3461 | 3468 | 3475 | rVB  | 1246539 | 2303558 | 33.08% | 4.177% |
| 43 | 23.515 | 3502 | 3507 | 3516 | rVB  | 504496  | 888456  | 12.76% | 1.611% |
| 44 | 23.856 | 3559 | 3565 | 3572 | rVB  | 1282437 | 2404111 | 34.52% | 4.359% |
| 45 | 23.933 | 3572 | 3578 | 3590 | rVB  | 577183  | 1266212 | 18.18% | 2.296% |
| 46 | 25.033 | 3758 | 3765 | 3778 | rVB  | 470602  | 1105602 | 15.88% | 2.005% |
| 47 | 25.462 | 3831 | 3838 | 3852 | rVB2 | 435634  | 1251187 | 17.97% | 2.269% |
| 48 | 25.598 | 3855 | 3861 | 3870 | rVV2 | 225876  | 611568  | 8.78%  | 1.109% |
| 49 | 26.309 | 3973 | 3982 | 4000 | rVB2 | 911539  | 2943156 | 42.26% | 5.336% |
| 50 | 27.856 | 4238 | 4245 | 4264 | rVB7 | 194529  | 767402  | 11.02% | 1.391% |

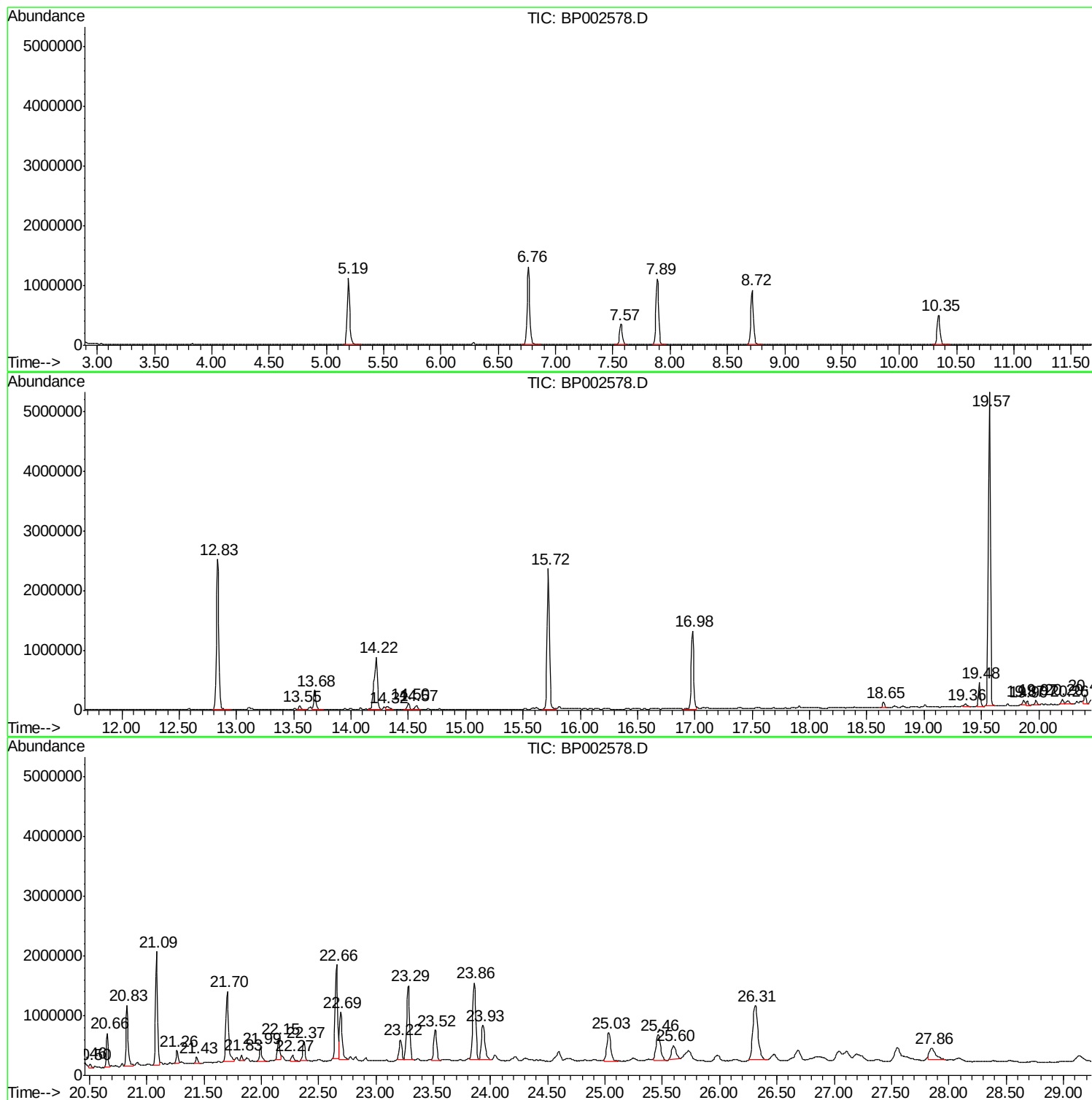
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Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP063020\  
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Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SP2-G

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP063020\  
Data File : BP002578.D  
Acq On : 30 Jun 2020 16:54  
Operator : CG/JU  
Sample : L3153-28  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

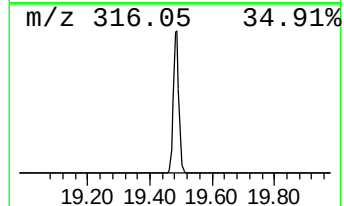
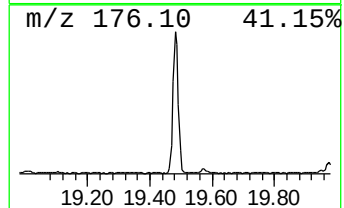
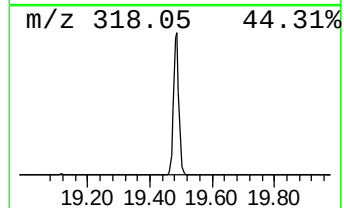
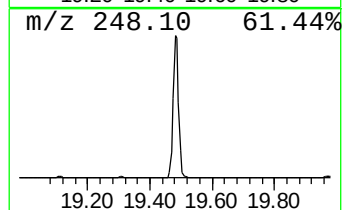
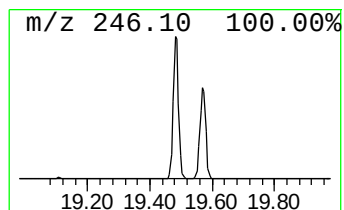
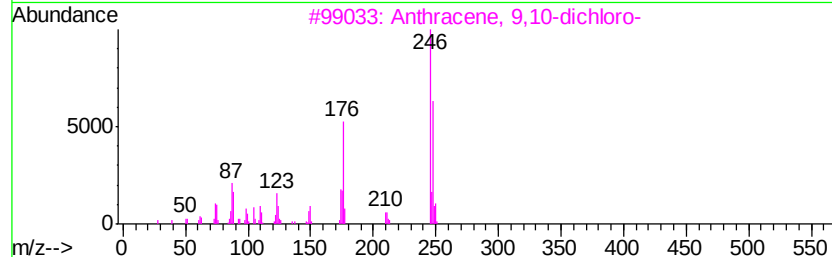
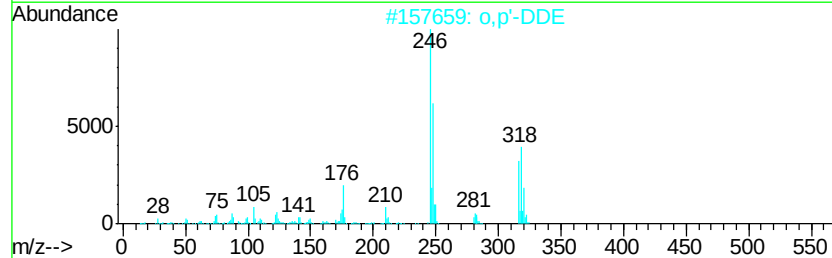
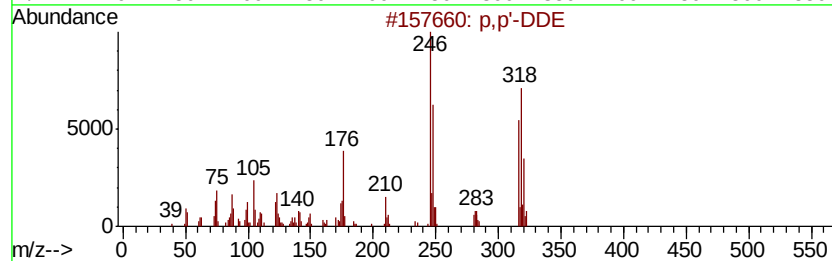
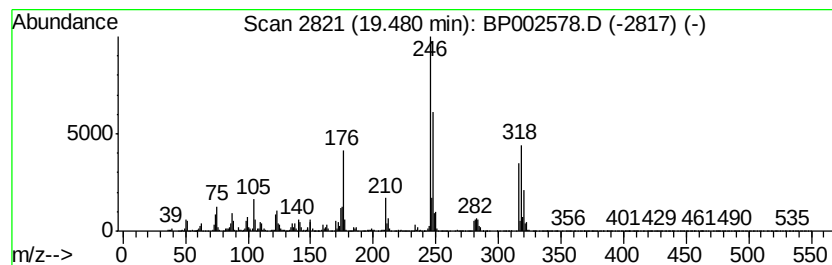
Instrument :  
BNA\_P  
ClientSampleId :  
SP2-G

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 2 p,p'-DDE Concentration Rank 17

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 19.48     | 4.00 ng                             | 487445 | Chrysene-d12     | 21.09       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | p,p'-DDE                            | 316    | C14H8Cl4         | 000072-55-9 | 99   |
| 2         | o,p'-DDE                            | 316    | C14H8Cl4         | 003424-82-6 | 99   |
| 3         | Anthracene, 9,10-dichloro-          | 246    | C14H8Cl2         | 000605-48-1 | 97   |
| 4         | 9H-Fluorene, 9-(dichloromethylene)- | 246    | C14H8Cl2         | 000835-17-6 | 93   |
| 5         | Anthracene, 1,8-dichloro-           | 246    | C14H8Cl2         | 014381-66-9 | 92   |



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ALS Vial : 8 Sample Multiplier: 1

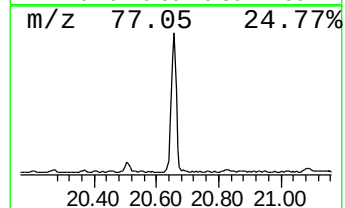
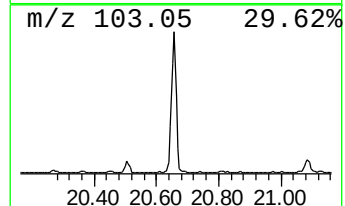
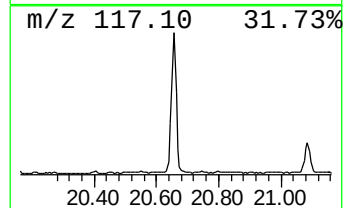
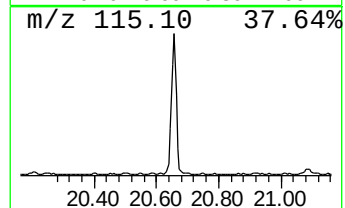
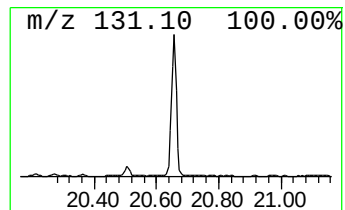
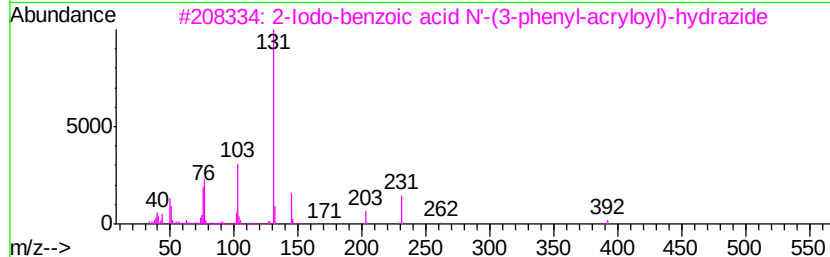
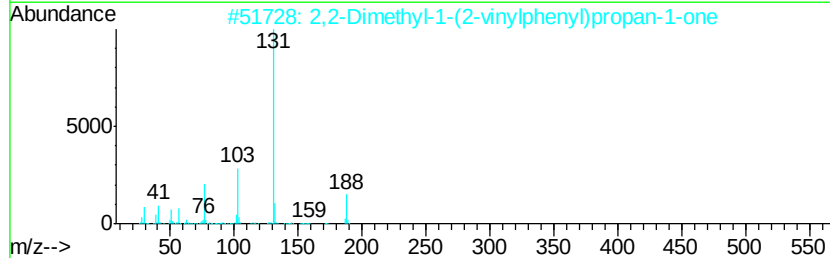
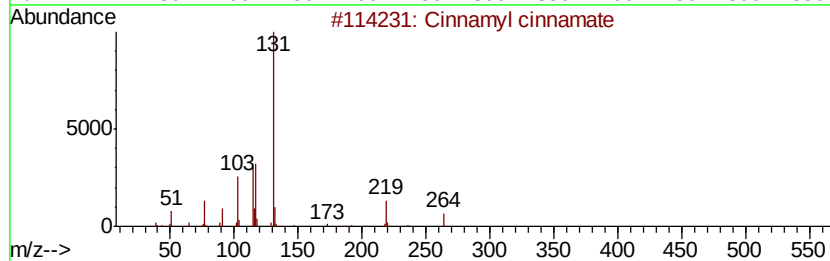
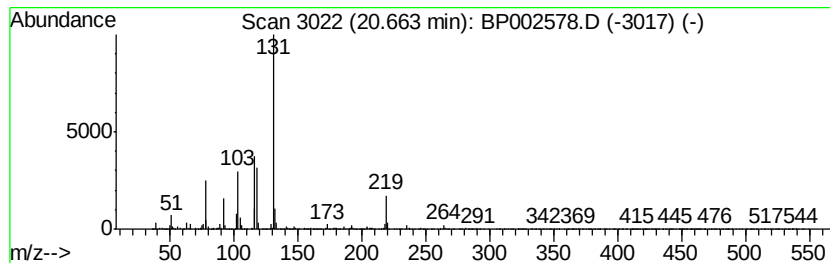
Instrument :  
BNA\_P  
ClientSampleId :  
SP2-G

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 14

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.            |
|---------|---------|-------------------------------------|------------------|-----------------|
| 20.66   | 5.03 ng | 612545                              | Chrysene-d12     | 21.09           |
| Hit# of | 5       | Tentative ID                        | MW MolForm       | CAS# Qual       |
| 1       |         | Cinnamyl cinnamate                  | 264 C18H16O2     | 000122-69-0 87  |
| 2       |         | 2,2-Dimethyl-1-(2-vinylphenyl)pr... | 188 C13H16O      | 1000210-99-9 49 |
| 3       |         | 2-Iodo-benzoic acid N'-(3-phenyl... | 392 C16H13IN2O2  | 315672-62-9 47  |
| 4       |         | p-Vinylbenzohydrazide               | 162 C9H10N2O     | 1000244-74-9 47 |
| 5       |         | 2-Bromo-1-indanone                  | 210 C9H7BrO      | 1000342-49-7 47 |



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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

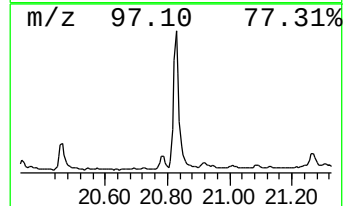
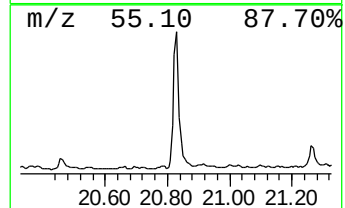
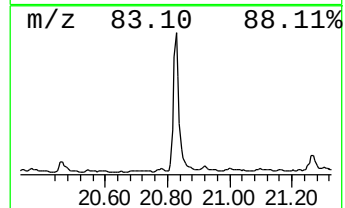
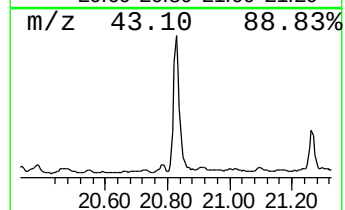
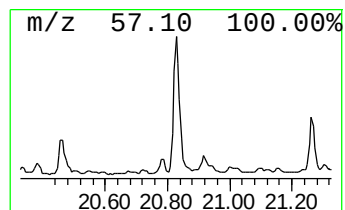
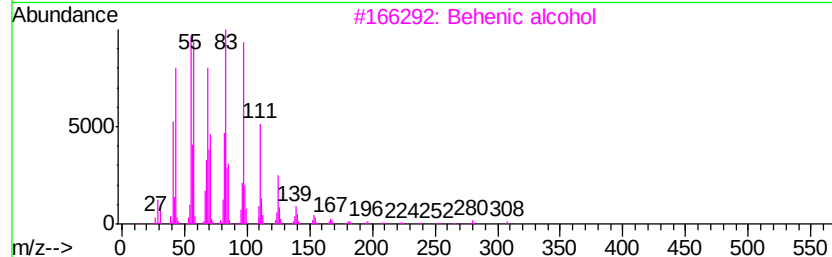
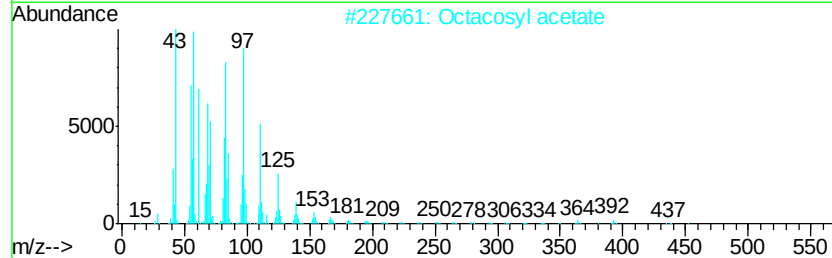
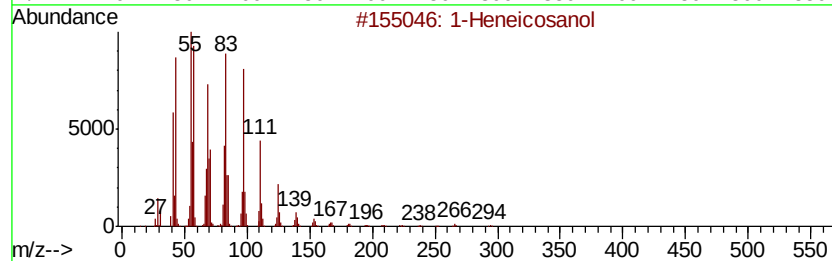
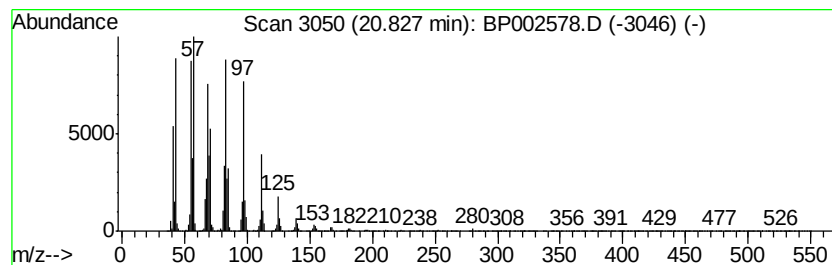
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 1-Heneicosanol Concentration Rank 6

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 20.83 | 11.32 ng | 1379900 | Chrysene-d12     | 21.09 |

| Hit# | of | Tentative ID      | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------|-----|----------|-------------|------|
| 1    | 5  | 1-Heneicosanol    | 312 | C21H44O  | 015594-90-8 | 95   |
| 2    |    | Octacosyl acetate | 452 | C30H60O2 | 018206-97-8 | 95   |
| 3    |    | Behenic alcohol   | 326 | C22H46O  | 000661-19-8 | 94   |
| 4    |    | n-Tetracosanol-1  | 354 | C24H50O  | 000506-51-4 | 94   |
| 5    |    | Cyclopentadecane  | 210 | C15H30   | 000295-48-7 | 93   |



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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_P  
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SP2-G

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

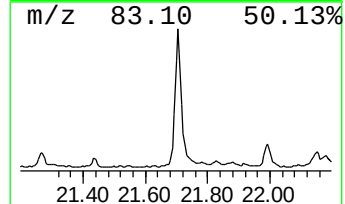
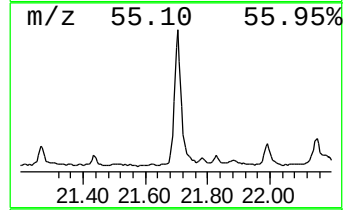
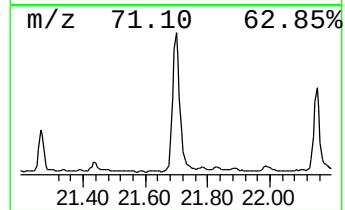
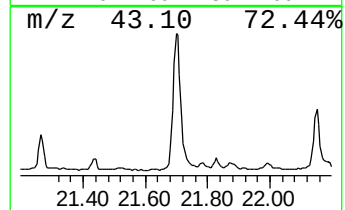
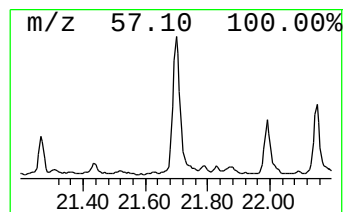
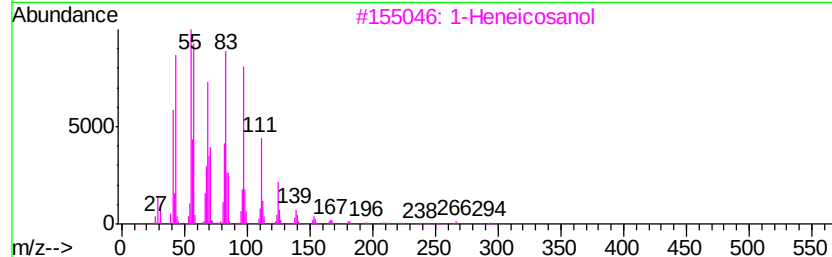
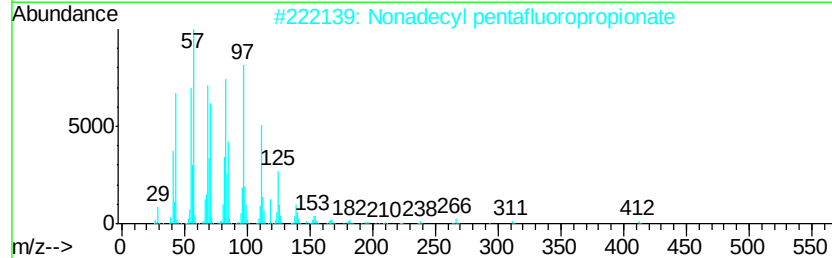
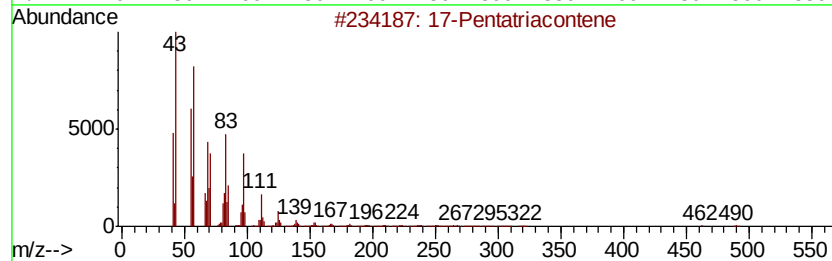
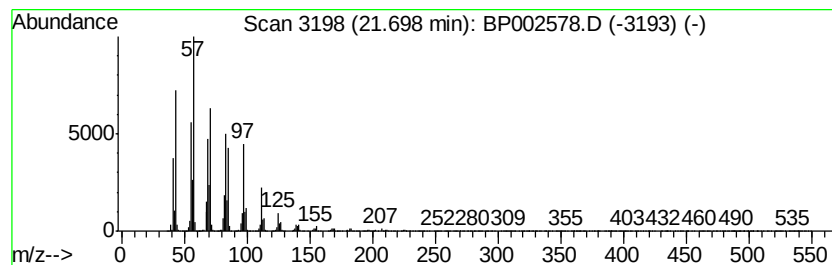
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 17-Pentatriacontene Concentration Rank 5

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 21.70 | 16.06 ng | 1956750 | Chrysene-d12     | 21.09 |

| Hit# of | 5 | Tentative ID                    | MW  | MolForm    | CAS#         | Qual |
|---------|---|---------------------------------|-----|------------|--------------|------|
| 1       |   | 17-Pentatriacontene             | 491 | C35H70     | 006971-40-0  | 96   |
| 2       |   | Nonadecyl pentafluoropropionate | 430 | C22H39F5O2 | 1000351-88-8 | 94   |
| 3       |   | 1-Heneicosanol                  | 312 | C21H44O    | 015594-90-8  | 93   |
| 4       |   | Heptadecyl heptafluorobutyrate  | 452 | C21H35F7O2 | 959085-66-6  | 93   |
| 5       |   | Ethanol, 2-(tetradecyloxy)-     | 258 | C16H34O2   | 002136-70-1  | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP063020\  
Data File : BP002578.D  
Acq On : 30 Jun 2020 16:54  
Operator : CG/JU  
Sample : L3153-28  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SP2-G

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

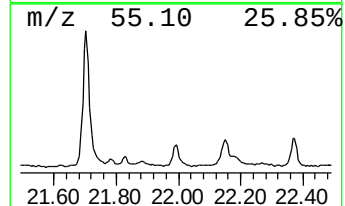
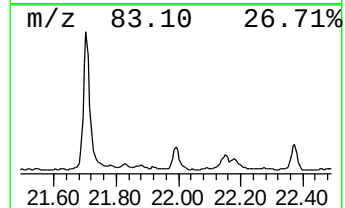
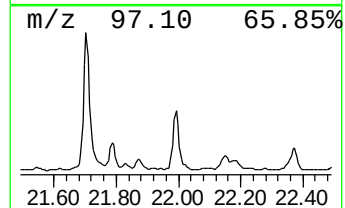
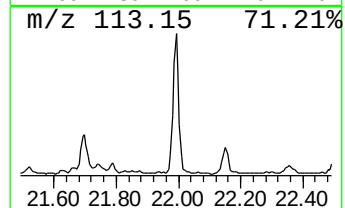
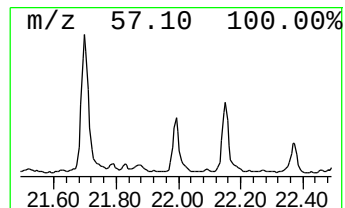
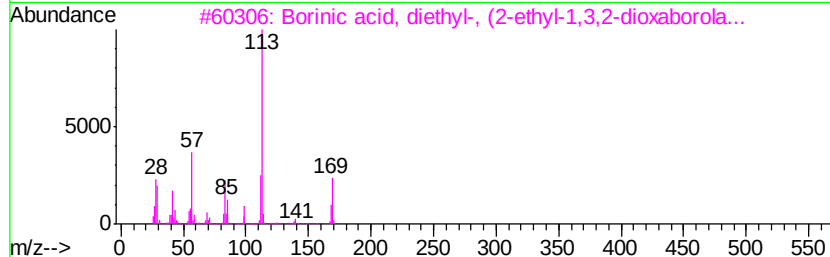
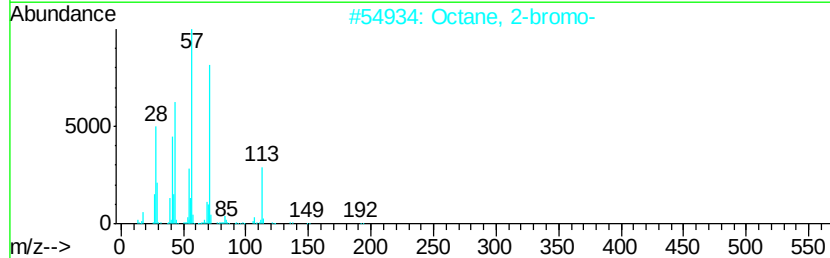
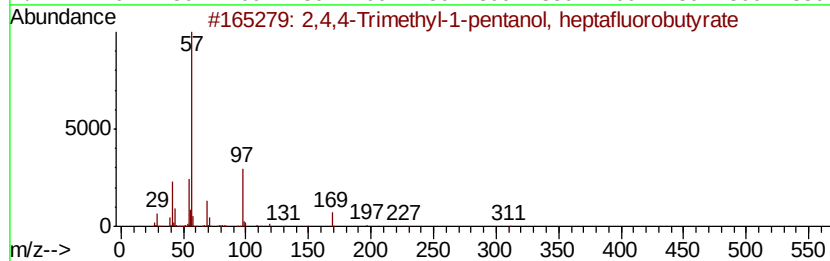
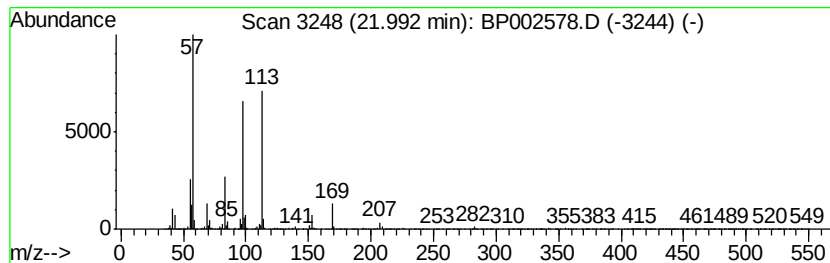
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 unknown21.99 Concentration Rank 19

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 21.99 | 2.93 ng | 357088 | Chrysene-d12     | 21.09 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | 2,4,4-Trimethyl-1-pentanol, hept... | 326 | C12H17F7O2 | 1000365-01-4 | 35   |
| 2    |    | Octane, 2-bromo-                    | 192 | C8H17Br    | 000557-35-7  | 25   |
| 3    |    | Borinic acid, diethyl-, (2-ethyl... | 198 | C9H20B2O3  | 058163-56-7  | 25   |
| 4    |    | Ribitol, 1,3:4,5-di-O-(ethylbora... | 212 | C9H18B2O4  | 1000149-52-8 | 25   |
| 5    |    | Silane, dichlorocyclohexylmethyl-   | 196 | C7H14Cl2Si | 005578-42-7  | 18   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP063020\  
Data File : BP002578.D  
Acq On : 30 Jun 2020 16:54  
Operator : CG/JU  
Sample : L3153-28  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

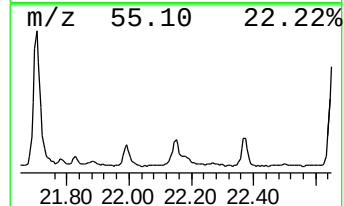
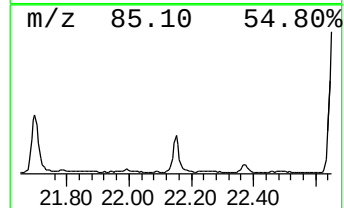
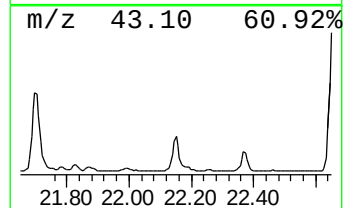
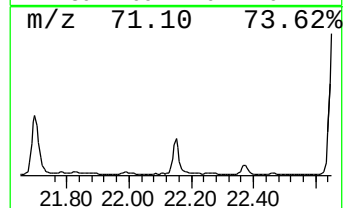
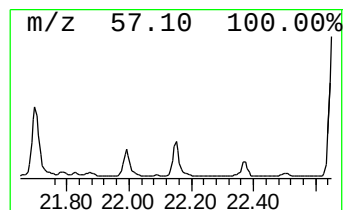
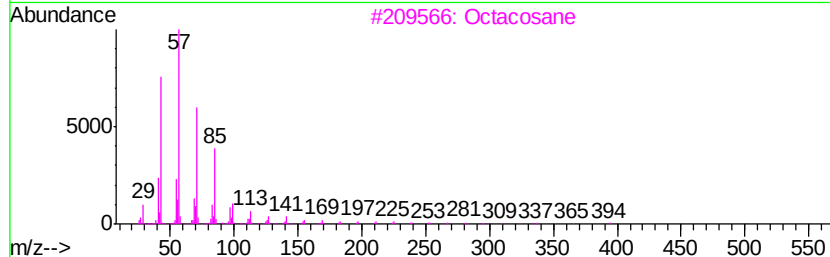
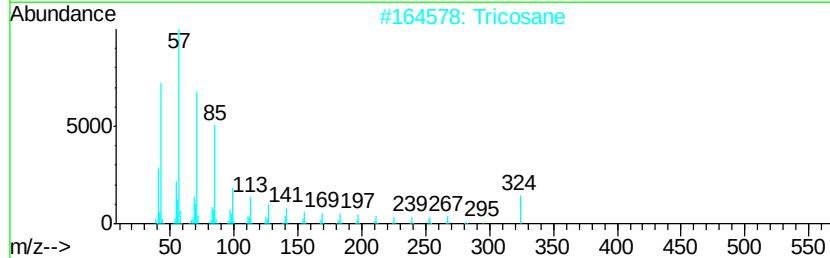
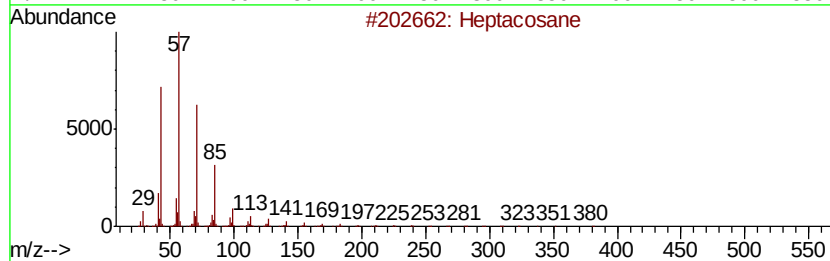
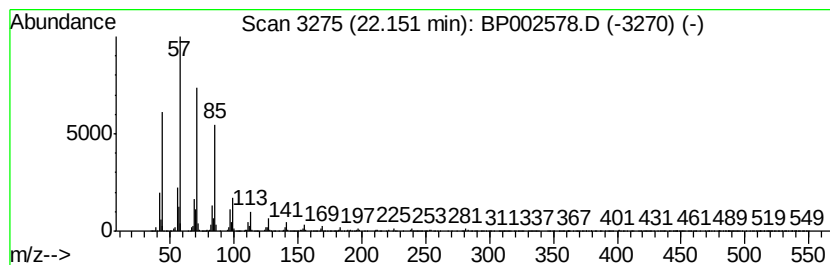
Instrument :  
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ClientSampleId :  
SP2-G

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 7 Heptacosane Concentration Rank 16

| R.T.      | EstConc      | Area   | Relative to ISTD | R.T.        |      |
|-----------|--------------|--------|------------------|-------------|------|
| 22.15     | 4.12 ng      | 502437 | Chrysene-d12     | 21.09       |      |
| Hit# of 5 | Tentative ID | MW     | MolForm          | CAS#        | Qual |
| 1         | Heptacosane  | 380    | C27H56           | 000593-49-7 | 97   |
| 2         | Tricosane    | 324    | C23H48           | 000638-67-5 | 94   |
| 3         | Octacosane   | 394    | C28H58           | 000630-02-4 | 91   |
| 4         | Heneicosane  | 296    | C21H44           | 000629-94-7 | 91   |
| 5         | Tetracosane  | 338    | C24H50           | 000646-31-1 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP063020\  
Data File : BP002578.D  
Acq On : 30 Jun 2020 16:54  
Operator : CG/JU  
Sample : L3153-28  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

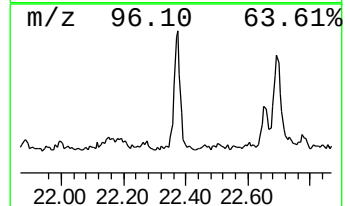
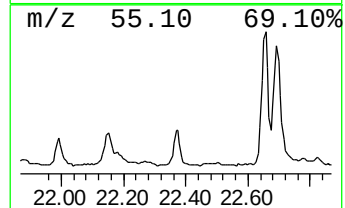
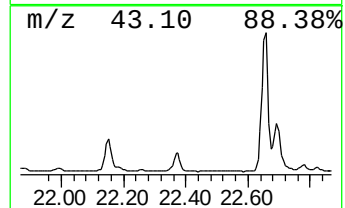
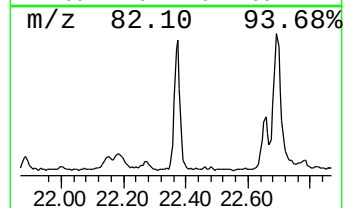
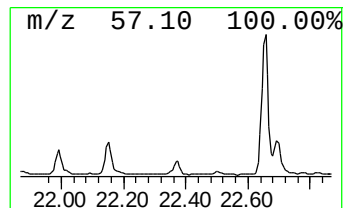
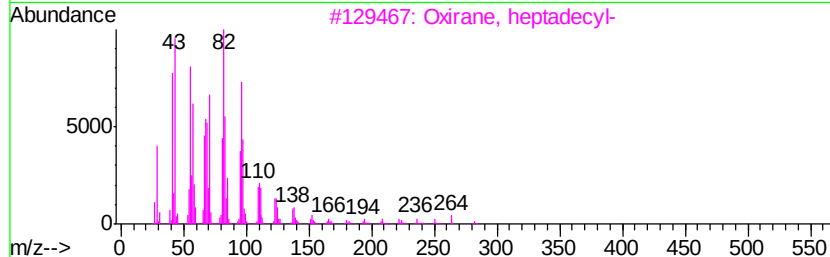
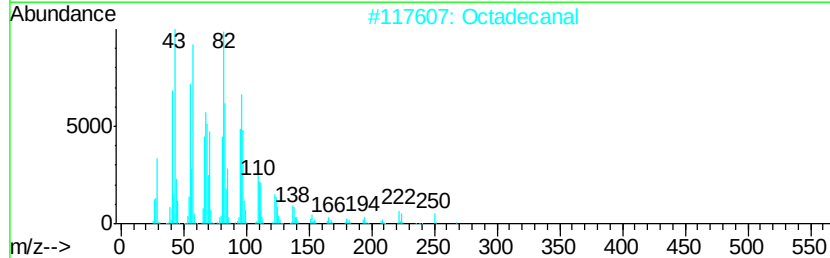
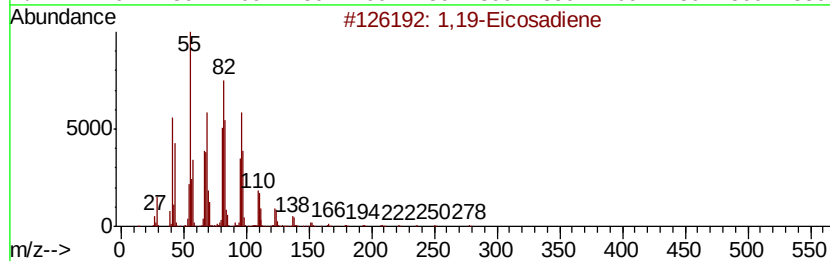
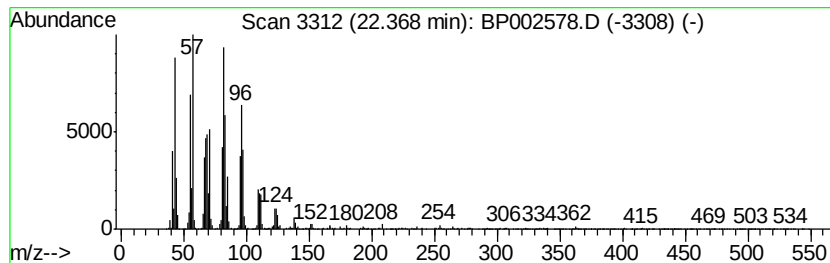
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ClientSampleId :  
SP2-G

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 8 1,19-Eicosadiene Concentration Rank 18

| R.T.  | EstConc | Area   | Relative to ISTD          |     | R.T.     |             |      |
|-------|---------|--------|---------------------------|-----|----------|-------------|------|
| 22.37 | 3.79 ng | 436558 | Perylene-d12              |     | 23.29    |             |      |
| Hit#  | of      | 5      | Tentative ID              | MW  | MolForm  | CAS#        | Qual |
| 1     |         |        | 1,19-Eicosadiene          | 278 | C20H38   | 014811-95-1 | 94   |
| 2     |         |        | Octadecanal               | 268 | C18H36O  | 000638-66-4 | 91   |
| 3     |         |        | Oxirane, heptadecyl-      | 282 | C19H38O  | 067860-04-2 | 91   |
| 4     |         |        | Oxirane, hexadecyl-       | 268 | C18H36O  | 007390-81-0 | 91   |
| 5     |         |        | (Z)-14-Tricosenyl formate | 366 | C24H46O2 | 077899-10-6 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP063020\  
Data File : BP002578.D  
Acq On : 30 Jun 2020 16:54  
Operator : CG/JU  
Sample : L3153-28  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SP2-G

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

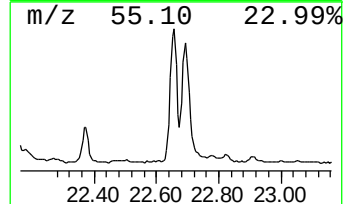
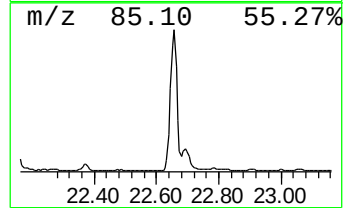
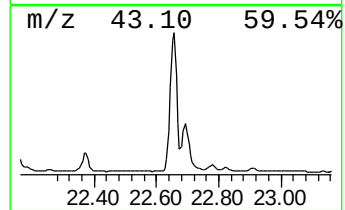
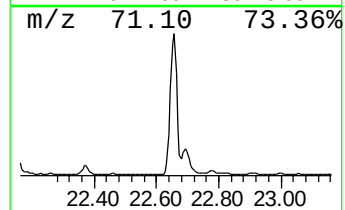
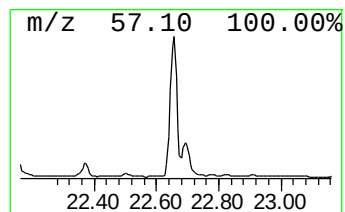
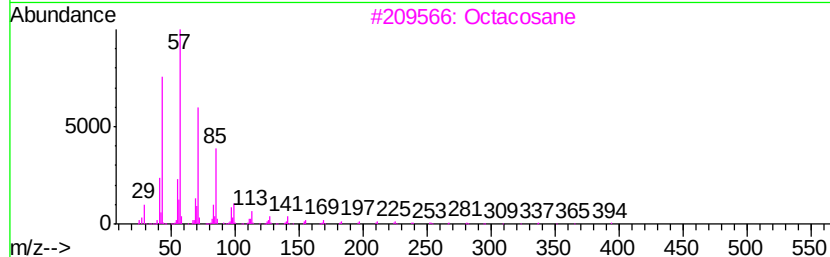
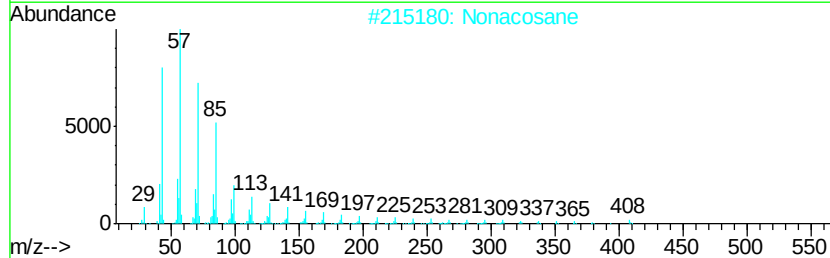
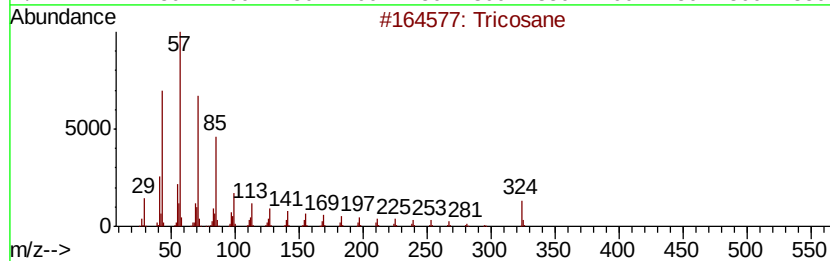
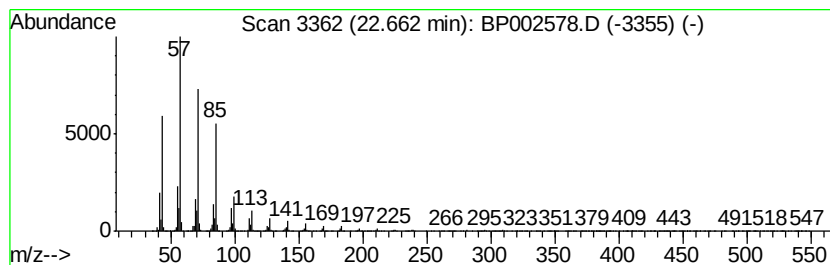
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 Nonacosane Concentration Rank 4

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 22.66 | 20.00 ng | 2303810 | Perylene-d12     | 23.29 |

| Hit# of | 5                  | Tentative ID | MW  | MolForm | CAS#         | Qual |
|---------|--------------------|--------------|-----|---------|--------------|------|
| 1       | Tricosane          |              | 324 | C23H48  | 000638-67-5  | 93   |
| 2       | Nonacosane         |              | 408 | C29H60  | 000630-03-5  | 93   |
| 3       | Octacosane         |              | 394 | C28H58  | 000630-02-4  | 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 : BP002578.D  
Acq On : 30 Jun 2020 16:54  
Operator : CG/JU  
Sample : L3153-28  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SP2-G

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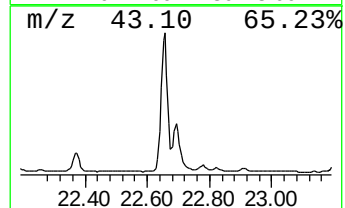
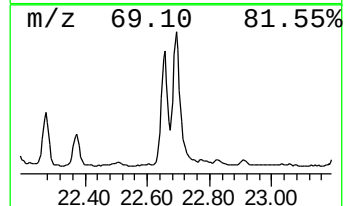
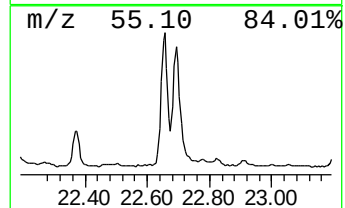
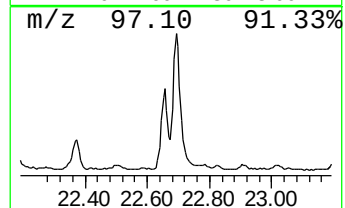
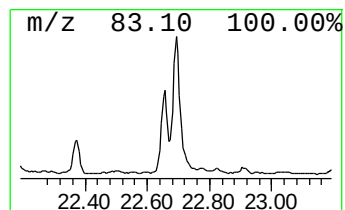
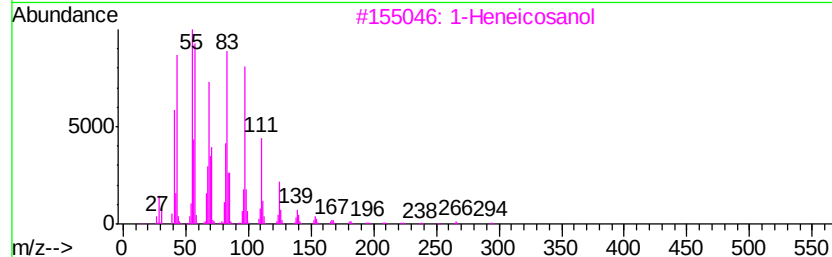
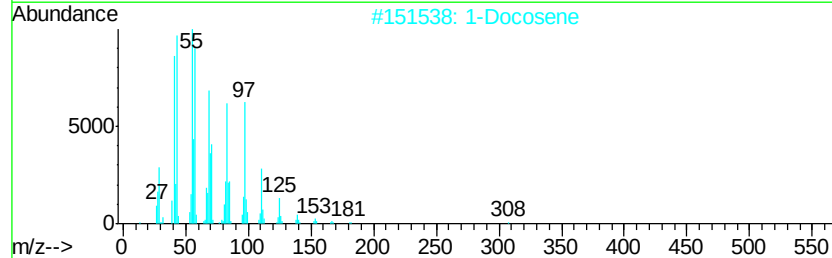
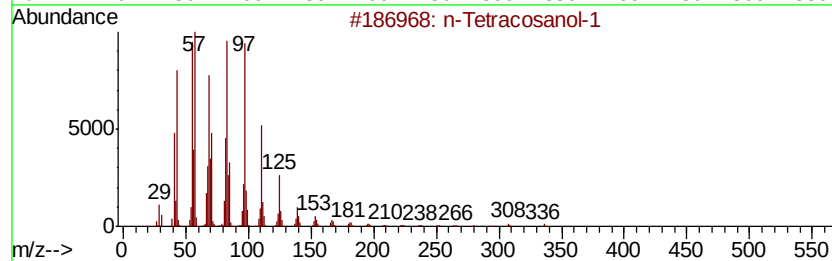
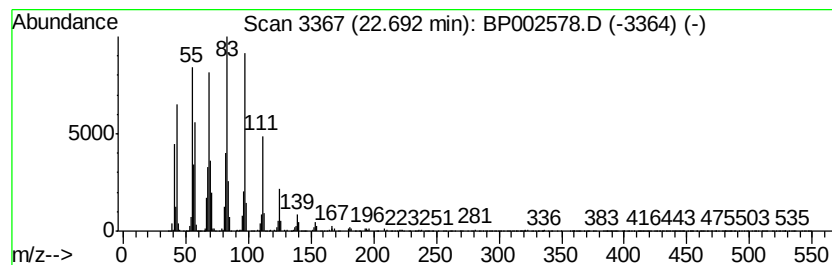
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TIC Integration Parameters: LSCINT.P

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Peak Number 10 n-Tetracosanol-1 Concentration Rank 9

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 22.69 | 10.80 ng | 1243800 | Perylene-d12     | 23.29 |

| Hit# | of | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|----|------------------|-----|---------|-------------|------|
| 1    | 5  | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 94   |
| 2    |    | 1-Docosene       | 308 | C22H44  | 001599-67-3 | 90   |
| 3    |    | 1-Heneicosanol   | 312 | C21H44O | 015594-90-8 | 87   |
| 4    |    | Cyclotetracosane | 336 | C24H48  | 000297-03-0 | 83   |
| 5    |    | n-Nonadecanol-1  | 284 | C19H40O | 001454-84-8 | 78   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP063020\  
Data File : BP002578.D  
Acq On : 30 Jun 2020 16:54  
Operator : CG/JU  
Sample : L3153-28  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SP2-G

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

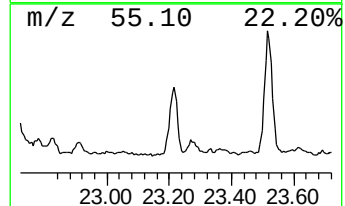
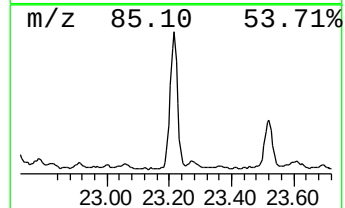
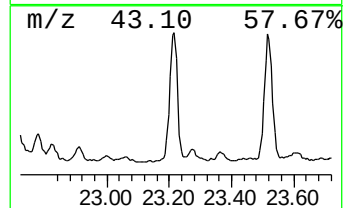
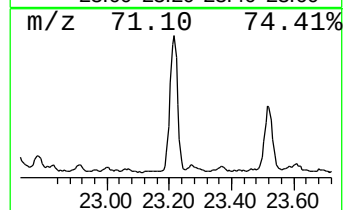
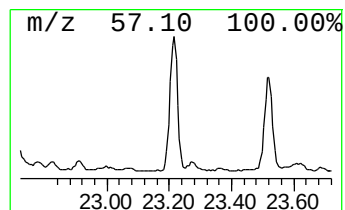
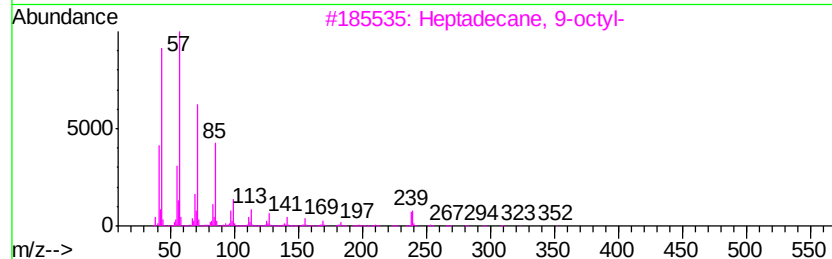
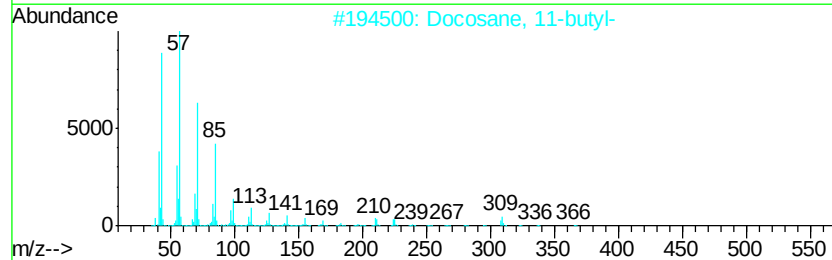
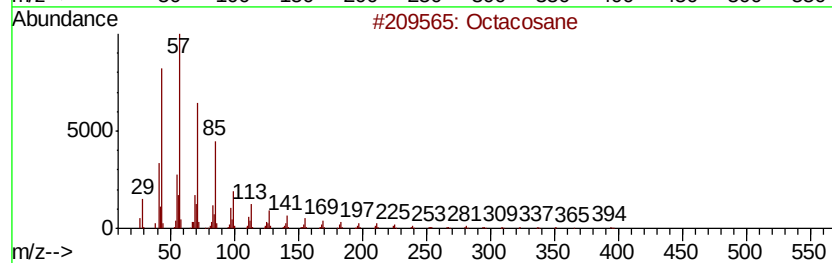
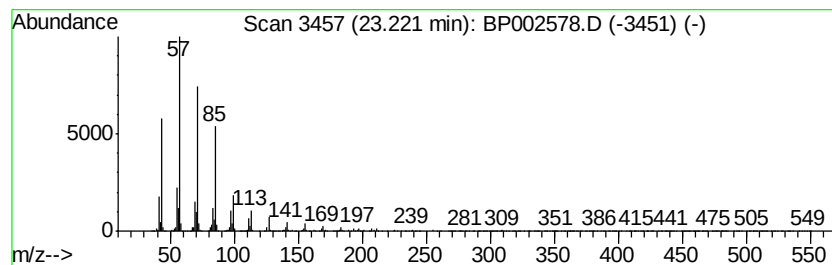
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Octacosane Concentration Rank 15

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 23.22 | 4.56 ng | 525311 | Perylene-d12     | 23.29 |

| Hit# | of | Tentative ID          | MW  | MolForm  | CAS#        | Qual |
|------|----|-----------------------|-----|----------|-------------|------|
| 1    | 5  | Octacosane            | 394 | C28H58   | 000630-02-4 | 95   |
| 2    |    | Docosane, 11-butyl-   | 366 | C26H54   | 013475-76-8 | 94   |
| 3    |    | Heptadecane, 9-octyl- | 352 | C25H52   | 007225-64-1 | 93   |
| 4    |    | Heneicosane           | 296 | C21H44   | 000629-94-7 | 91   |
| 5    |    | 2-Bromotetradecane    | 276 | C14H29Br | 074036-95-6 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP063020\  
Data File : BP002578.D  
Acq On : 30 Jun 2020 16:54  
Operator : CG/JU  
Sample : L3153-28  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SP2-G

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

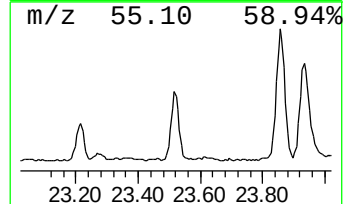
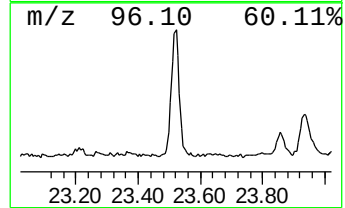
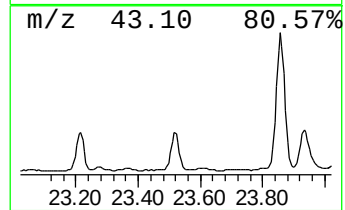
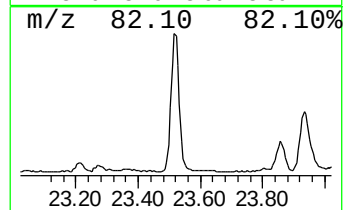
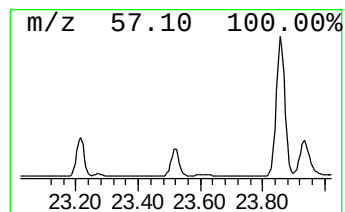
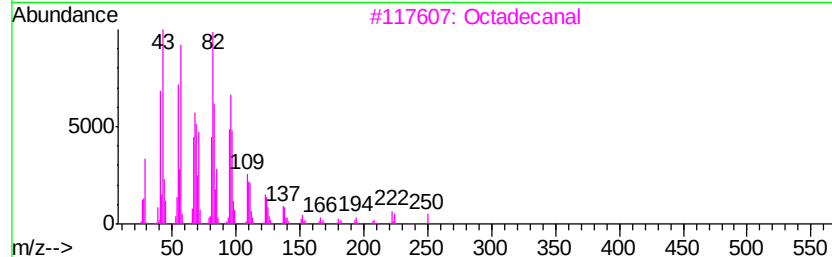
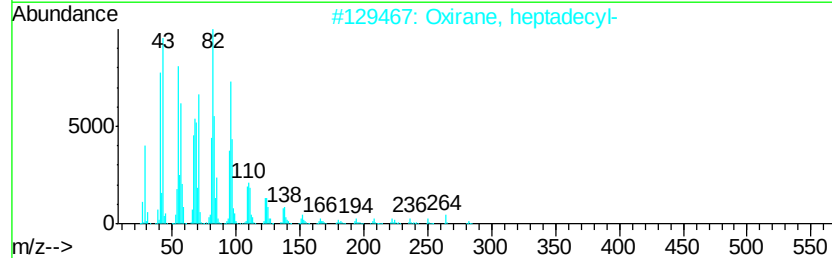
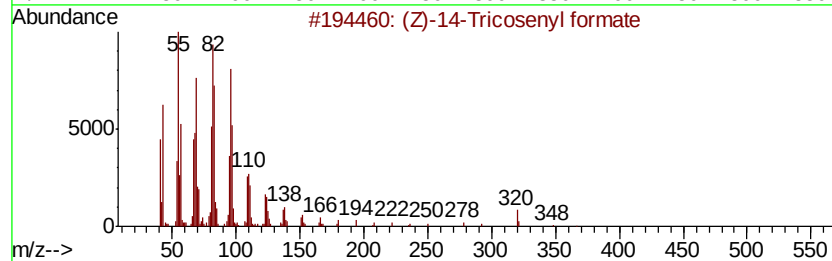
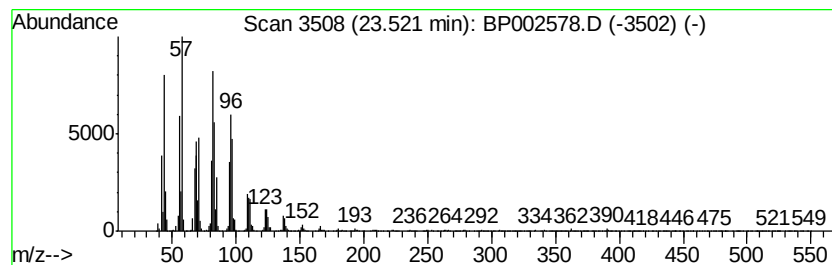
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 (Z)-14-Tricosenyl formate Concentration Rank 11

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 23.52 | 7.71 ng | 888456 | Perylene-d12     | 23.29 |

| Hit# | of | Tentative ID              | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------------|-----|----------|-------------|------|
| 1    | 5  | (Z)-14-Tricosenyl formate | 366 | C24H46O2 | 077899-10-6 | 93   |
| 2    |    | Oxirane, heptadecyl-      | 282 | C19H38O  | 067860-04-2 | 91   |
| 3    |    | Octadecanal               | 268 | C18H36O  | 000638-66-4 | 90   |
| 4    |    | Oxirane, hexadecyl-       | 268 | C18H36O  | 007390-81-0 | 90   |
| 5    |    | Tetracosanal              | 352 | C24H48O  | 057866-08-7 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP063020\  
Data File : BP002578.D  
Acq On : 30 Jun 2020 16:54  
Operator : CG/JU  
Sample : L3153-28  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SP2-G

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

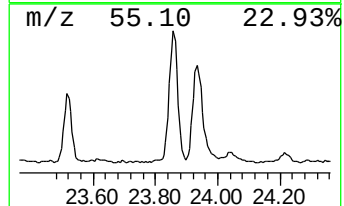
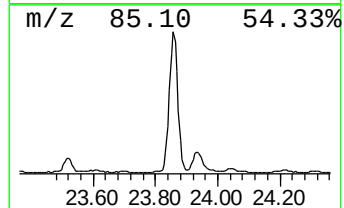
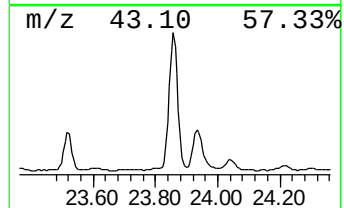
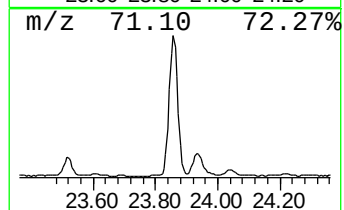
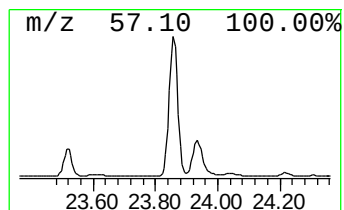
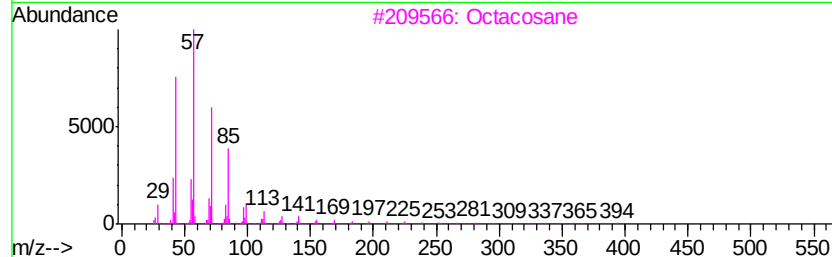
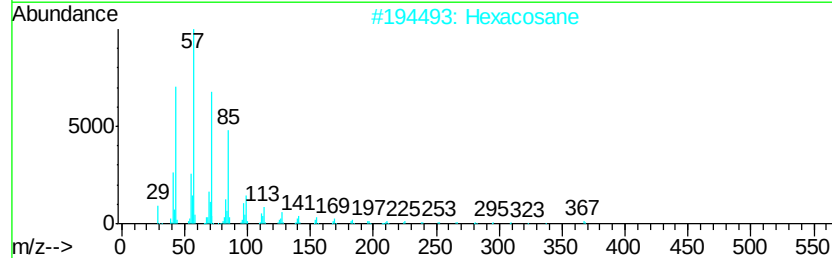
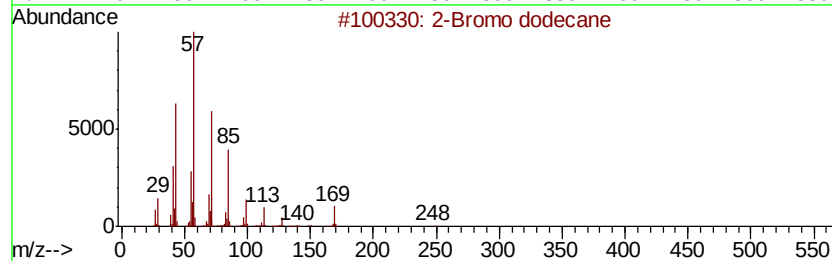
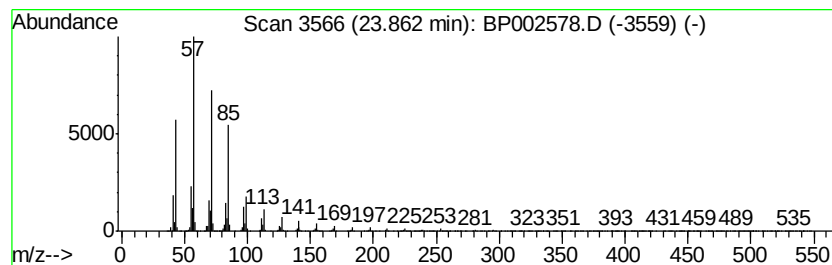
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 2-Bromo dodecane Concentration Rank 3

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 23.86 | 20.87 ng | 2404110 | Perylene-d12     | 23.29 |

| Hit# | of | Tentative ID       | MW  | MolForm  | CAS#         | Qual |
|------|----|--------------------|-----|----------|--------------|------|
| 1    | 5  | 2-Bromo dodecane   | 248 | C12H25Br | 013187-99-0  | 94   |
| 2    |    | Hexacosane         | 366 | C26H54   | 000630-01-3  | 91   |
| 3    |    | Octacosane         | 394 | C28H58   | 000630-02-4  | 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 : BP002578.D  
Acq On : 30 Jun 2020 16:54  
Operator : CG/JU  
Sample : L3153-28  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SP2-G

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

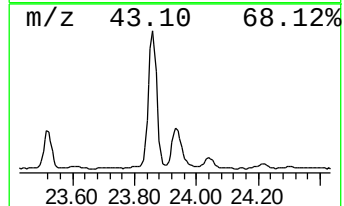
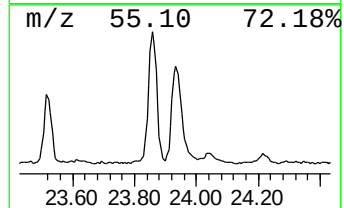
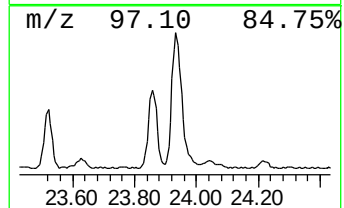
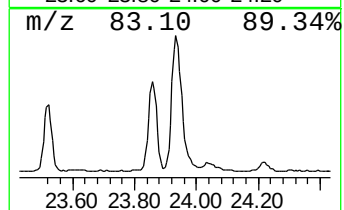
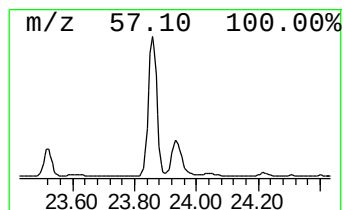
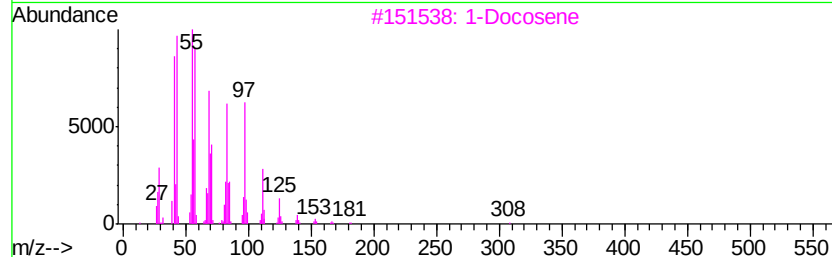
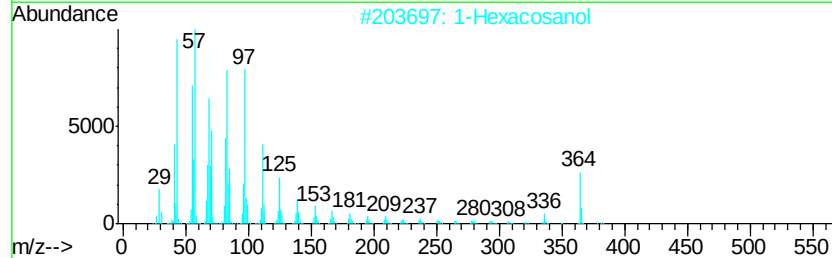
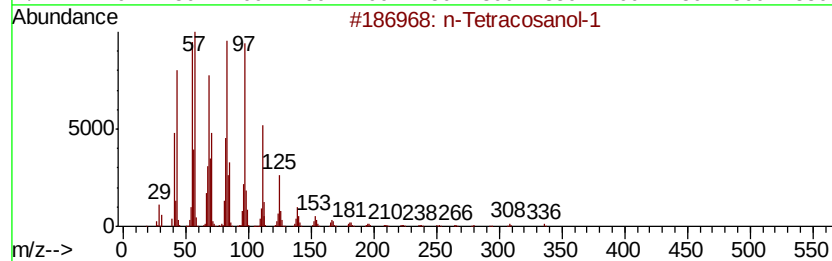
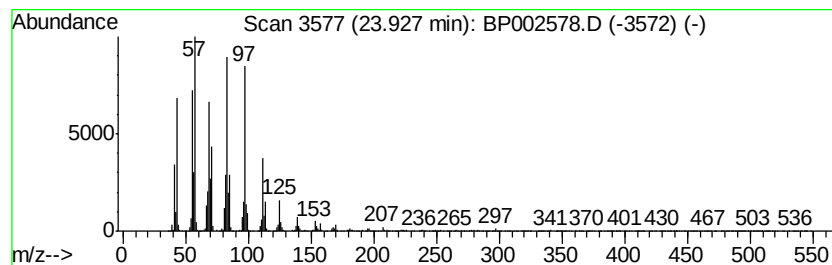
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 1-Docosene Concentration Rank 7

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 23.93 | 10.99 ng | 1266210 | Perylene-d12     | 23.29 |

| Hit# | of | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|----|------------------|-----|---------|-------------|------|
| 1    | 5  | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 91   |
| 2    |    | 1-Hexacosanol    | 382 | C26H54O | 000506-52-5 | 90   |
| 3    |    | 1-Docosene       | 308 | C22H44  | 001599-67-3 | 81   |
| 4    |    | Behenic alcohol  | 326 | C22H46O | 000661-19-8 | 76   |
| 5    |    | Octacosanol      | 410 | C28H58O | 000557-61-9 | 70   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP063020\  
 Data File : BP002578.D  
 Acq On : 30 Jun 2020 16:54  
 Operator : CG/JU  
 Sample : L3153-28  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

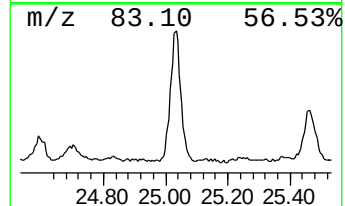
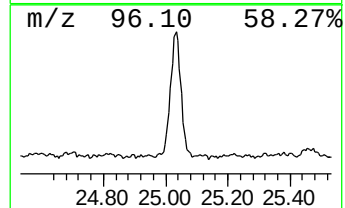
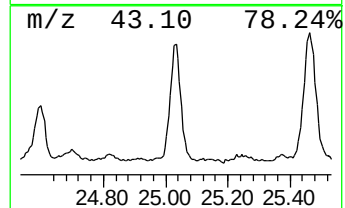
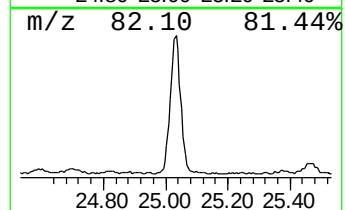
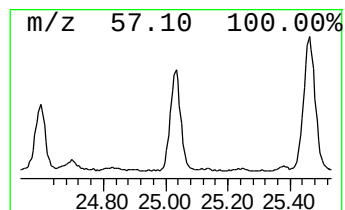
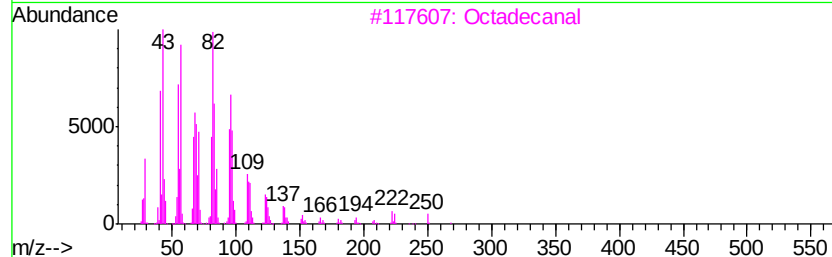
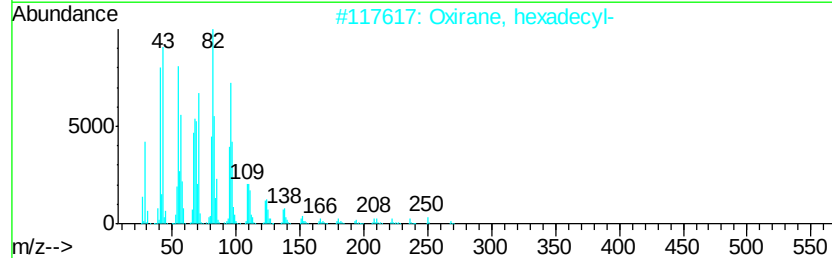
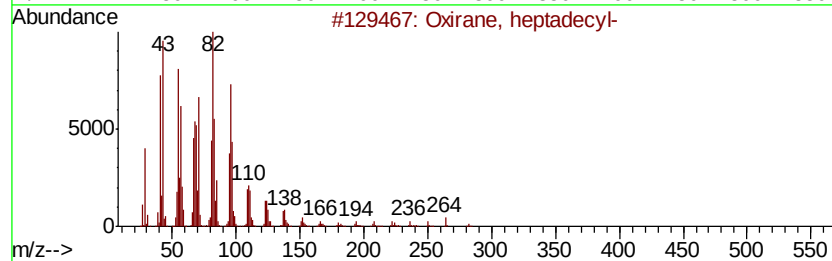
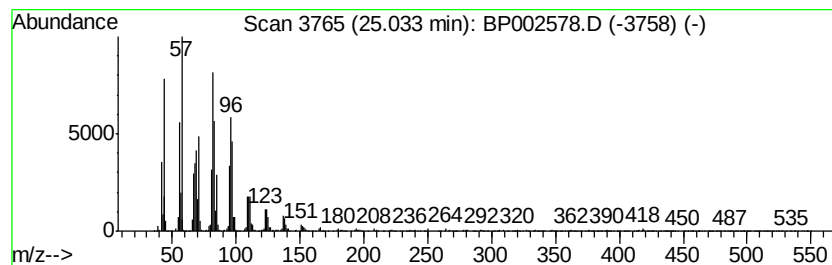
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SP2-G

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 Oxirane, heptadecyl- Concentration Rank 10

| R.T.      | EstConc                   | Area    | Relative to ISTD | R.T.        |      |
|-----------|---------------------------|---------|------------------|-------------|------|
| 25.03     | 9.60 ng                   | 1105600 | Perylene-d12     | 23.29       |      |
| Hit# of 5 | Tentative ID              | MW      | MolForm          | CAS#        | Qual |
| 1         | Oxirane, heptadecyl-      | 282     | C19H38O          | 067860-04-2 | 91   |
| 2         | Oxirane, hexadecyl-       | 268     | C18H36O          | 007390-81-0 | 91   |
| 3         | Octadecanal               | 268     | C18H36O          | 000638-66-4 | 74   |
| 4         | 1,19-Eicosadiene          | 278     | C20H38           | 014811-95-1 | 72   |
| 5         | (Z)-14-Tricosenyl formate | 366     | C24H46O2         | 077899-10-6 | 60   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP063020\  
 Data File : BP002578.D  
 Acq On : 30 Jun 2020 16:54  
 Operator : CG/JU  
 Sample : L3153-28  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

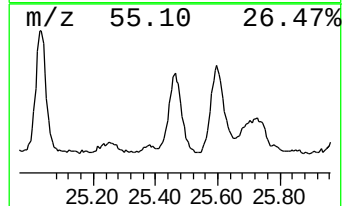
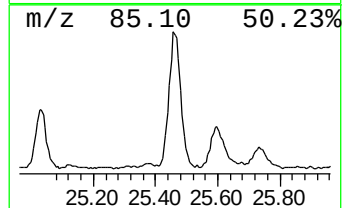
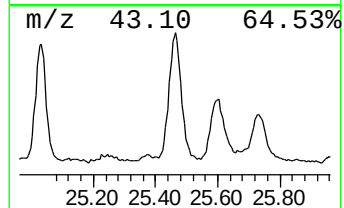
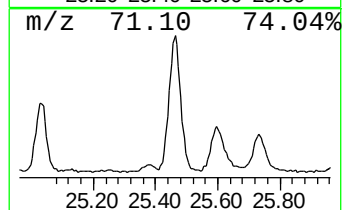
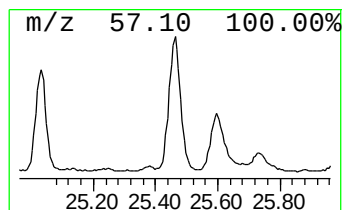
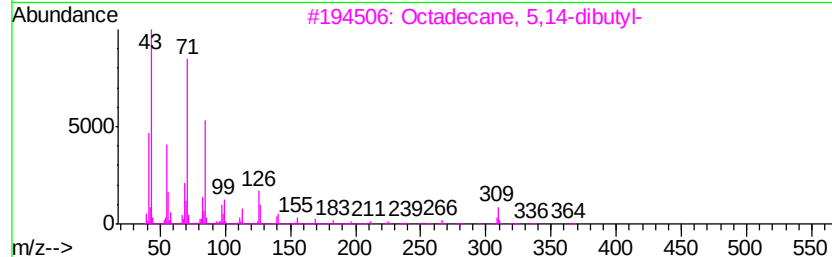
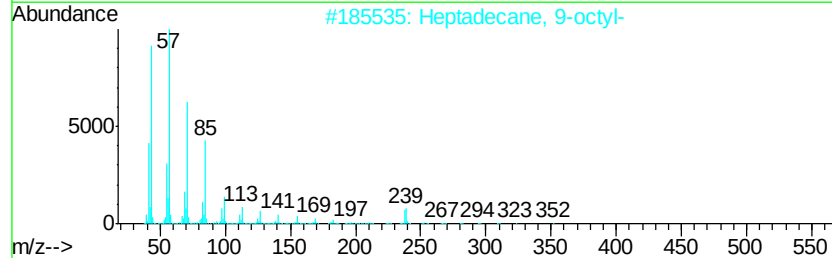
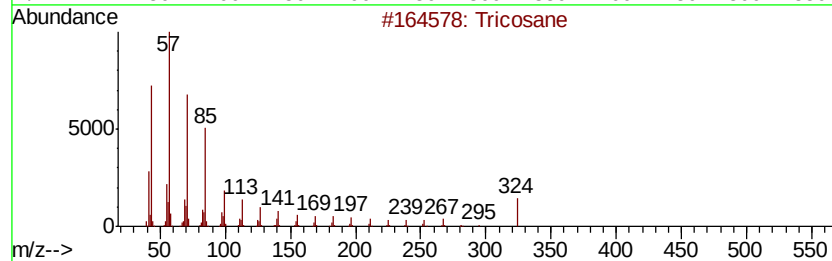
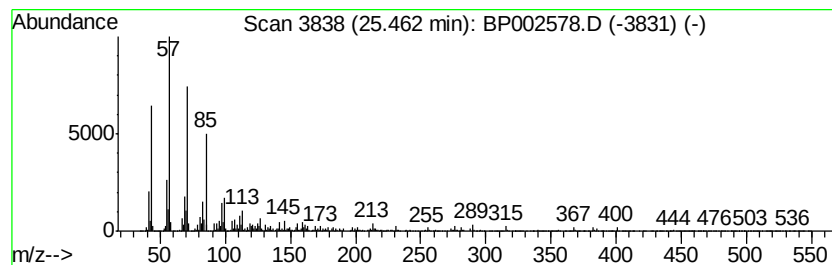
Instrument :  
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 ClientSampleId :  
 SP2-G

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 Tricosane Concentration Rank 8

| R.T.    | EstConc                   | Area         | Relative to ISTD | R.T.      |
|---------|---------------------------|--------------|------------------|-----------|
| 25.46   | 10.86 ng                  | 1251190      | Perylene-d12     | 23.29     |
| Hit# of | 5                         | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Tricosane                 | 324 C23H48   | 000638-67-5      | 94        |
| 2       | Heptadecane, 9-octyl-     | 352 C25H52   | 007225-64-1      | 94        |
| 3       | Octadecane, 5,14-dibutyl- | 366 C26H54   | 055282-13-8      | 93        |
| 4       | Octadecane, 2-methyl-     | 268 C19H40   | 001560-88-9      | 93        |
| 5       | Heptadecane               | 240 C17H36   | 000629-78-7      | 93        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP063020\  
Data File : BP002578.D  
Acq On : 30 Jun 2020 16:54  
Operator : CG/JU  
Sample : L3153-28  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SP2-G

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

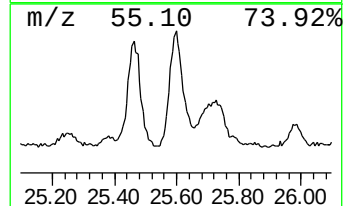
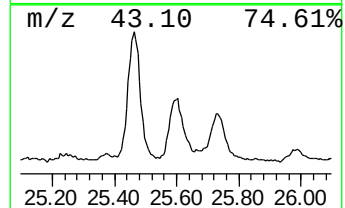
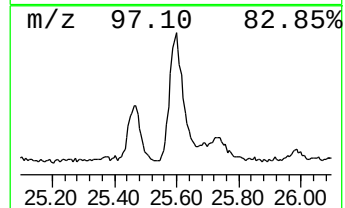
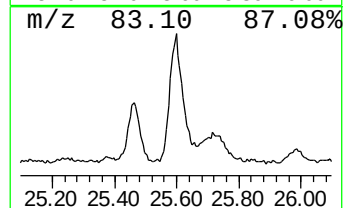
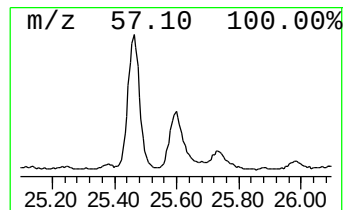
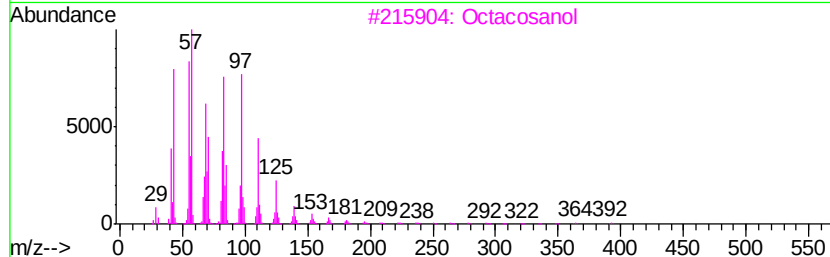
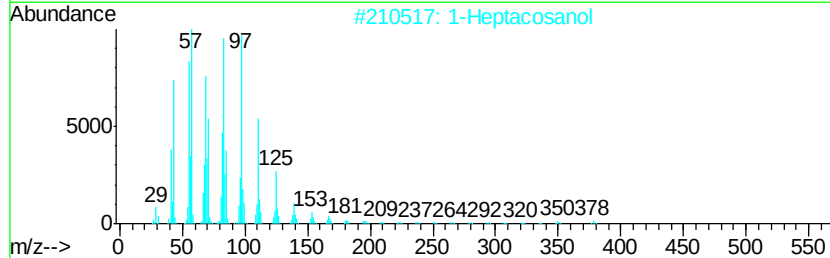
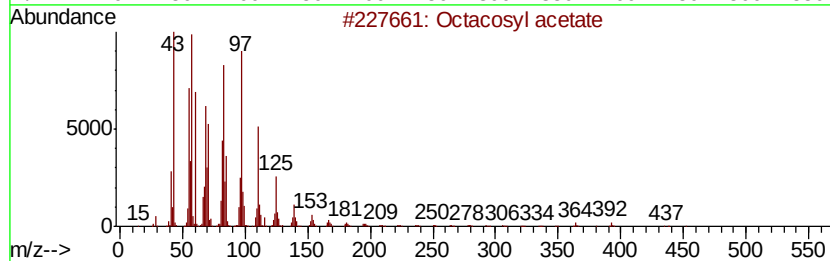
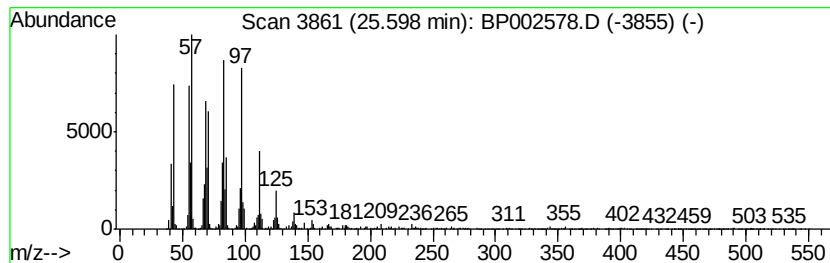
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 Octacosyl acetate Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 25.60 | 5.31 ng | 611568 | Perylene-d12     | 23.29 |

| Hit# | of | Tentative ID                    | MW  | MolForm    | CAS#         | Qual |
|------|----|---------------------------------|-----|------------|--------------|------|
| 1    | 5  | Octacosyl acetate               | 452 | C30H60O2   | 018206-97-8  | 95   |
| 2    |    | 1-Heptacosanol                  | 396 | C27H56O    | 002004-39-9  | 93   |
| 3    |    | Octacosanol                     | 410 | C28H58O    | 000557-61-9  | 93   |
| 4    |    | n-Tetracosanol-1                | 354 | C24H50O    | 000506-51-4  | 93   |
| 5    |    | Nonadecyl pentafluoropropionate | 430 | C22H39F5O2 | 1000351-88-8 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP063020\  
Data File : BP002578.D  
Acq On : 30 Jun 2020 16:54  
Operator : CG/JU  
Sample : L3153-28  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

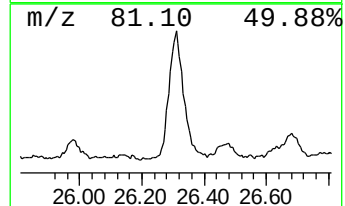
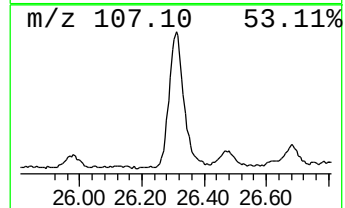
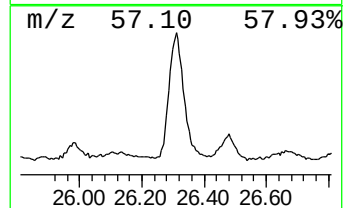
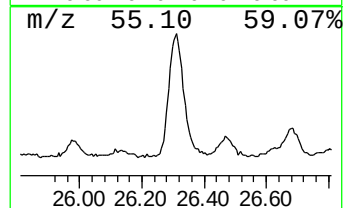
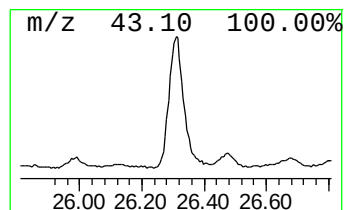
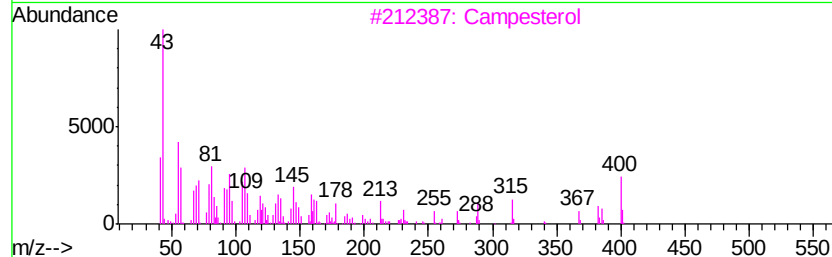
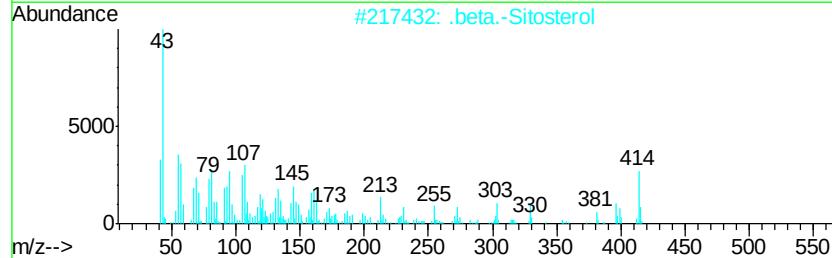
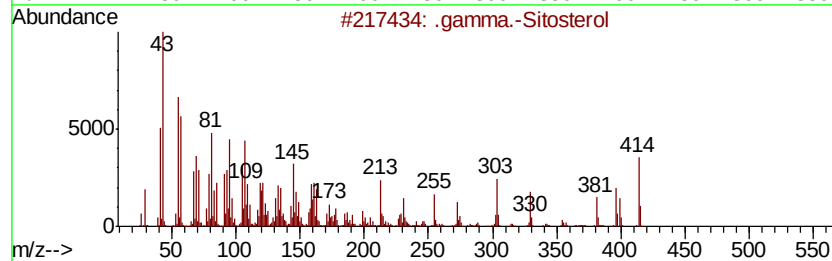
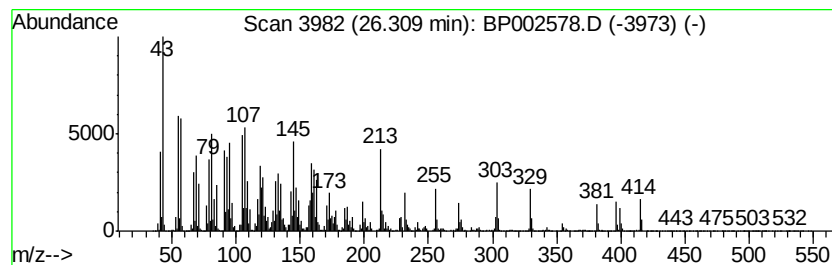
Instrument :  
BNA\_P  
ClientSampleId :  
SP2-G

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 18 .gamma.-Sitosterol Concentration Rank 2

| R.T.  | EstConc  | Area    | Relative to ISTD             |     | R.T.    |             |      |
|-------|----------|---------|------------------------------|-----|---------|-------------|------|
| 26.31 | 25.55 ng | 2943160 | 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     |          |         | Campesterol                  | 400 | C28H48O | 000474-62-4 | 49   |
| 4     |          |         | Ergost-5-en-3-ol, (3.beta.)- | 400 | C28H48O | 004651-51-8 | 47   |
| 5     |          |         | Isocholesteryl methyl ether  | 400 | C28H48O | 029944-53-4 | 43   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP063020\  
Data File : BP002578.D  
Acq On : 30 Jun 2020 16:54  
Operator : CG/JU  
Sample : L3153-28  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

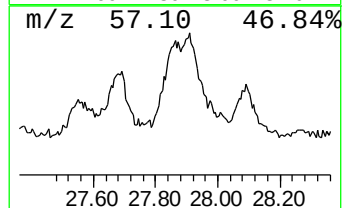
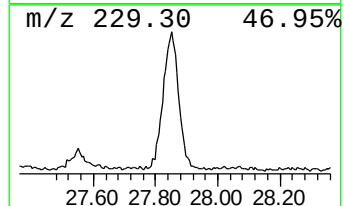
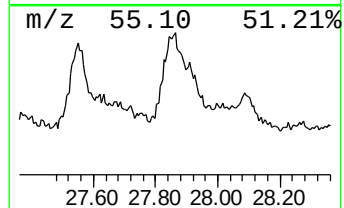
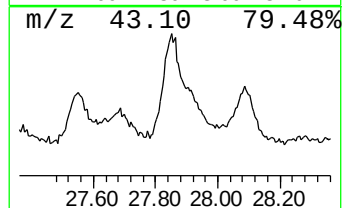
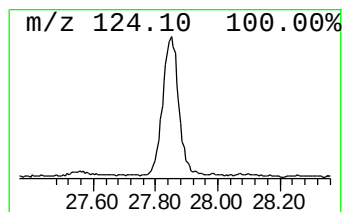
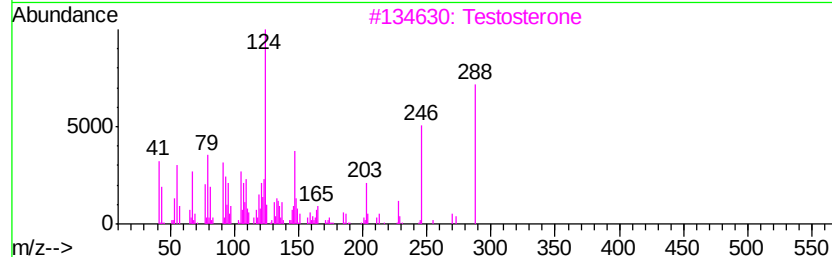
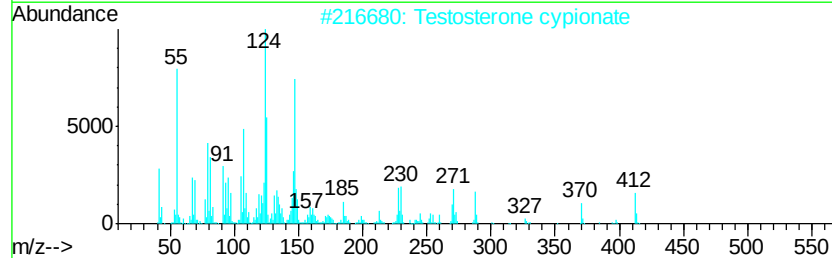
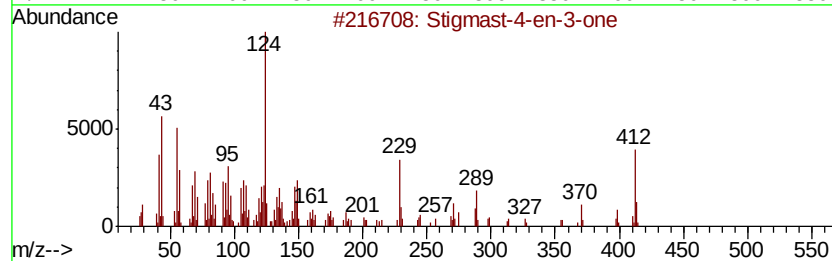
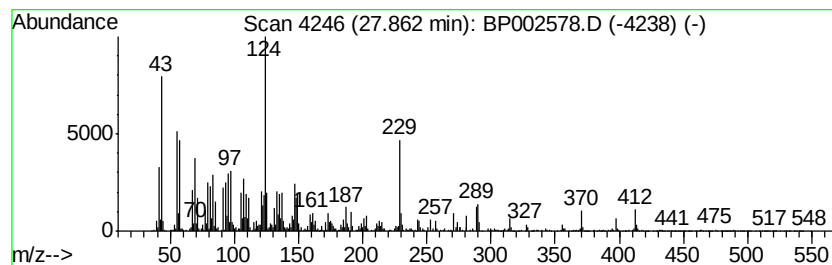
Instrument :  
BNA\_P  
ClientSampleId :  
SP2-G

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 19 Stigmast-4-en-3-one Concentration Rank 12

| R.T.      | EstConc                    | Area   | Relative to ISTD |             | R.T.  |
|-----------|----------------------------|--------|------------------|-------------|-------|
| 27.86     | 6.66 ng                    | 767402 | Perylene-d12     |             | 23.29 |
| Hit# of 5 | Tentative ID               | MW     | MolForm          | CAS#        | Qual  |
| 1         | Stigmast-4-en-3-one        | 412    | C29H48O          | 001058-61-3 | 89    |
| 2         | Testosterone cypionate     | 412    | C27H40O3         | 000058-20-8 | 55    |
| 3         | Testosterone               | 288    | C19H28O2         | 000058-22-0 | 38    |
| 4         | 1,4-Benzenediol, 2-methyl- | 124    | C7H8O2           | 000095-71-6 | 38    |
| 5         | 1,3-Benzenediol, 2-methyl- | 124    | C7H8O2           | 000608-25-3 | 38    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_P\DATA\BP063020\  
 Data File : BP002578.D  
 Acq On : 30 Jun 2020 16:54  
 Operator : CG/JU  
 Sample : L3153-28  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SP2-G

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 |
| p,p'-DDE             | 19.48 | 4.0     | ng    | 487445   | 5                     | 21.09 | 2437480 | 20.0 |
| Cinnamyl cinnamate   | 20.66 | 5.0     | ng    | 612545   | 5                     | 21.09 | 2437480 | 20.0 |
| 1-Heneicosanol       | 20.83 | 11.3    | ng    | 1379900  | 5                     | 21.09 | 2437480 | 20.0 |
| 17-Pentatriacontene  | 21.70 | 16.1    | ng    | 1956750  | 5                     | 21.09 | 2437480 | 20.0 |
| unknown21.99         | 21.99 | 2.9     | ng    | 357088   | 5                     | 21.09 | 2437480 | 20.0 |
| Heptacosane          | 22.15 | 4.1     | ng    | 502437   | 5                     | 21.09 | 2437480 | 20.0 |
| 1,19-Eicosadiene     | 22.37 | 3.8     | ng    | 436558   | 6                     | 23.29 | 2303560 | 20.0 |
| Nonacosane           | 22.66 | 20.0    | ng    | 2303810  | 6                     | 23.29 | 2303560 | 20.0 |
| n-Tetracosanol-1     | 22.69 | 10.8    | ng    | 1243800  | 6                     | 23.29 | 2303560 | 20.0 |
| Octacosane           | 23.22 | 4.6     | ng    | 525311   | 6                     | 23.29 | 2303560 | 20.0 |
| (Z)-14-Tricosenyl... | 23.52 | 7.7     | ng    | 888456   | 6                     | 23.29 | 2303560 | 20.0 |
| 2-Bromo dodecane     | 23.86 | 20.9    | ng    | 2404110  | 6                     | 23.29 | 2303560 | 20.0 |
| 1-Docosene           | 23.93 | 11.0    | ng    | 1266210  | 6                     | 23.29 | 2303560 | 20.0 |
| Oxirane, heptadecyl- | 25.03 | 9.6     | ng    | 1105600  | 6                     | 23.29 | 2303560 | 20.0 |
| Tricosane            | 25.46 | 10.9    | ng    | 1251190  | 6                     | 23.29 | 2303560 | 20.0 |
| Octacosyl acetate    | 25.60 | 5.3     | ng    | 611568   | 6                     | 23.29 | 2303560 | 20.0 |
| .gamma.-Sitosterol   | 26.31 | 25.6    | ng    | 2943160  | 6                     | 23.29 | 2303560 | 20.0 |
| Stigmast-4-en-3-one  | 27.86 | 6.7     | ng    | 767402   | 6                     | 23.29 | 2303560 | 20.0 |