

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081720\  
 Data File : BP003009.D  
 Acq On : 17 Aug 2020 18:53  
 Operator : CG/JU  
 Sample : L3691-10  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 S711-N-SO-0-0.5-081320-FD

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-BP073020.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         | 2.958       | 8             | 12          | 25           | rVB      | 1548809        | 1676411       | 13.88%          | 1.492%        |
| 2         | 4.828       | 325           | 330         | 340          | rVB2     | 96228          | 132994        | 1.10%           | 0.118%        |
| 3         | 5.293       | 402           | 409         | 425          | rBV      | 3537287        | 5012927       | 41.52%          | 4.462%        |
| 4         | 6.864       | 664           | 676         | 693          | rBV      | 3228459        | 5187524       | 42.96%          | 4.617%        |
| 5         | 7.287       | 743           | 748         | 755          | rBV      | 91081          | 145483        | 1.20%           | 0.129%        |
| 6         | 7.687       | 808           | 816         | 824          | rVB      | 1106313        | 1757056       | 14.55%          | 1.564%        |
| 7         | 8.828       | 997           | 1010        | 1020         | rBV      | 2161495        | 3490600       | 28.91%          | 3.107%        |
| 8         | 10.463      | 1281          | 1288        | 1304         | rBV      | 1459206        | 2388149       | 19.78%          | 2.126%        |
| 9         | 12.946      | 1703          | 1710        | 1723         | rBV      | 5614237        | 8296047       | 68.71%          | 7.384%        |
| 10        | 13.781      | 1844          | 1852        | 1867         | rVB      | 1026052        | 1440453       | 11.93%          | 1.282%        |
| 11        | 14.322      | 1937          | 1944        | 1951         | rBV2     | 2407192        | 3454967       | 28.61%          | 3.075%        |
| 12        | 15.816      | 2191          | 2198        | 2210         | rBV      | 4076505        | 5790235       | 47.95%          | 5.154%        |
| 13        | 17.075      | 2406          | 2412        | 2416         | rBV      | 2652450        | 3668886       | 30.39%          | 3.265%        |
| 14        | 17.116      | 2416          | 2419        | 2424         | rVB      | 682636         | 890028        | 7.37%           | 0.792%        |
| 15        | 17.204      | 2430          | 2434        | 2440         | rVB      | 118066         | 178763        | 1.48%           | 0.159%        |
| 16        | 17.475      | 2473          | 2480        | 2487         | rBV      | 111837         | 191431        | 1.59%           | 0.170%        |
| 17        | 17.951      | 2555          | 2561        | 2564         | rBV2     | 73972          | 139029        | 1.15%           | 0.124%        |
| 18        | 17.998      | 2564          | 2569        | 2586         | rVV      | 1270694        | 1931037       | 15.99%          | 1.719%        |
| 19        | 18.139      | 2588          | 2593        | 2597         | rVV3     | 132259         | 188999        | 1.57%           | 0.168%        |
| 20        | 18.469      | 2646          | 2649        | 2657         | rVB      | 166232         | 225687        | 1.87%           | 0.201%        |
| 21        | 19.092      | 2750          | 2755        | 2761         | rBV      | 2548201        | 3436563       | 28.46%          | 3.059%        |
| 22        | 19.234      | 2775          | 2779        | 2792         | rBV3     | 525598         | 901415        | 7.47%           | 0.802%        |
| 23        | 19.445      | 2806          | 2815        | 2823         | rBV      | 2127636        | 3378349       | 27.98%          | 3.007%        |
| 24        | 19.651      | 2842          | 2850        | 2859         | rVB      | 9204348        | 12074404      | 100.00%         | 10.747%       |
| 25        | 19.898      | 2888          | 2892        | 2894         | rBV4     | 84292          | 125178        | 1.04%           | 0.111%        |
| 26        | 19.933      | 2894          | 2898        | 2903         | rVB2     | 306157         | 455577        | 3.77%           | 0.405%        |
| 27        | 20.028      | 2910          | 2914        | 2918         | rBV      | 191921         | 256574        | 2.12%           | 0.228%        |
| 28        | 20.086      | 2919          | 2924        | 2927         | rBV2     | 150112         | 229378        | 1.90%           | 0.204%        |
| 29        | 20.222      | 2944          | 2947        | 2950         | rBV3     | 101550         | 133254        | 1.10%           | 0.119%        |
| 30        | 20.628      | 3012          | 3016        | 3018         | rBV3     | 121086         | 179924        | 1.49%           | 0.160%        |
| 31        | 20.657      | 3018          | 3021        | 3028         | rVB      | 234789         | 335732        | 2.78%           | 0.299%        |
| 32        | 20.822      | 3044          | 3049        | 3052         | rBV2     | 276787         | 428236        | 3.55%           | 0.381%        |
| 33        | 20.863      | 3052          | 3056        | 3058         | rVV      | 270814         | 363332        | 3.01%           | 0.323%        |
| 34        | 20.904      | 3058          | 3063        | 3068         | rVV3     | 2542051        | 3442183       | 28.51%          | 3.064%        |

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 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 S711-N-SO-0-0.5-081320-FD

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-BP073020.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 20.945 | 3068 | 3070 | 3076 | rVB2 | 341205  | 459059  | 3.80%  | 0.409% |
| 36 | 21.169 | 3101 | 3108 | 3112 | rBV2 | 4313691 | 7383243 | 61.15% | 6.571% |
| 37 | 21.204 | 3112 | 3114 | 3121 | rVB  | 1608265 | 1729745 | 14.33% | 1.540% |
| 38 | 21.322 | 3131 | 3134 | 3136 | rBV  | 182940  | 213253  | 1.77%  | 0.190% |
| 39 | 21.475 | 3156 | 3160 | 3164 | rBV2 | 263496  | 387322  | 3.21%  | 0.345% |
| 40 | 21.792 | 3207 | 3214 | 3224 | rBV5 | 871326  | 1750616 | 14.50% | 1.558% |
| 41 | 22.475 | 3326 | 3330 | 3340 | rVB3 | 731593  | 1150164 | 9.53%  | 1.024% |
| 42 | 22.739 | 3369 | 3375 | 3378 | rBV  | 1747395 | 3443949 | 28.52% | 3.065% |
| 43 | 22.804 | 3384 | 3386 | 3398 | rVB3 | 1224205 | 1980946 | 16.41% | 1.763% |
| 44 | 23.222 | 3451 | 3457 | 3465 | rVB  | 1079590 | 1998167 | 16.55% | 1.778% |
| 45 | 23.316 | 3467 | 3473 | 3483 | rBV  | 1199623 | 2426052 | 20.09% | 2.159% |
| 46 | 23.416 | 3483 | 3490 | 3496 | rBV2 | 2850686 | 5580652 | 46.22% | 4.967% |
| 47 | 23.669 | 3528 | 3533 | 3538 | rBV5 | 303930  | 558142  | 4.62%  | 0.497% |
| 48 | 24.022 | 3587 | 3593 | 3599 | rVB  | 641652  | 1225651 | 10.15% | 1.091% |
| 49 | 24.098 | 3600 | 3606 | 3619 | rBV  | 662130  | 1485356 | 12.30% | 1.322% |
| 50 | 25.245 | 3796 | 3801 | 3811 | rVB3 | 294540  | 714420  | 5.92%  | 0.636% |
| 51 | 25.698 | 3870 | 3878 | 3891 | rVB2 | 1191068 | 3490217 | 28.91% | 3.106% |
| 52 | 26.245 | 3965 | 3971 | 3980 | rVB3 | 451560  | 1177920 | 9.76%  | 1.048% |
| 53 | 26.398 | 3990 | 3997 | 4009 | rVB  | 566237  | 1643465 | 13.61% | 1.463% |
| 54 | 26.568 | 4019 | 4026 | 4038 | rBV5 | 554992  | 1630103 | 13.50% | 1.451% |

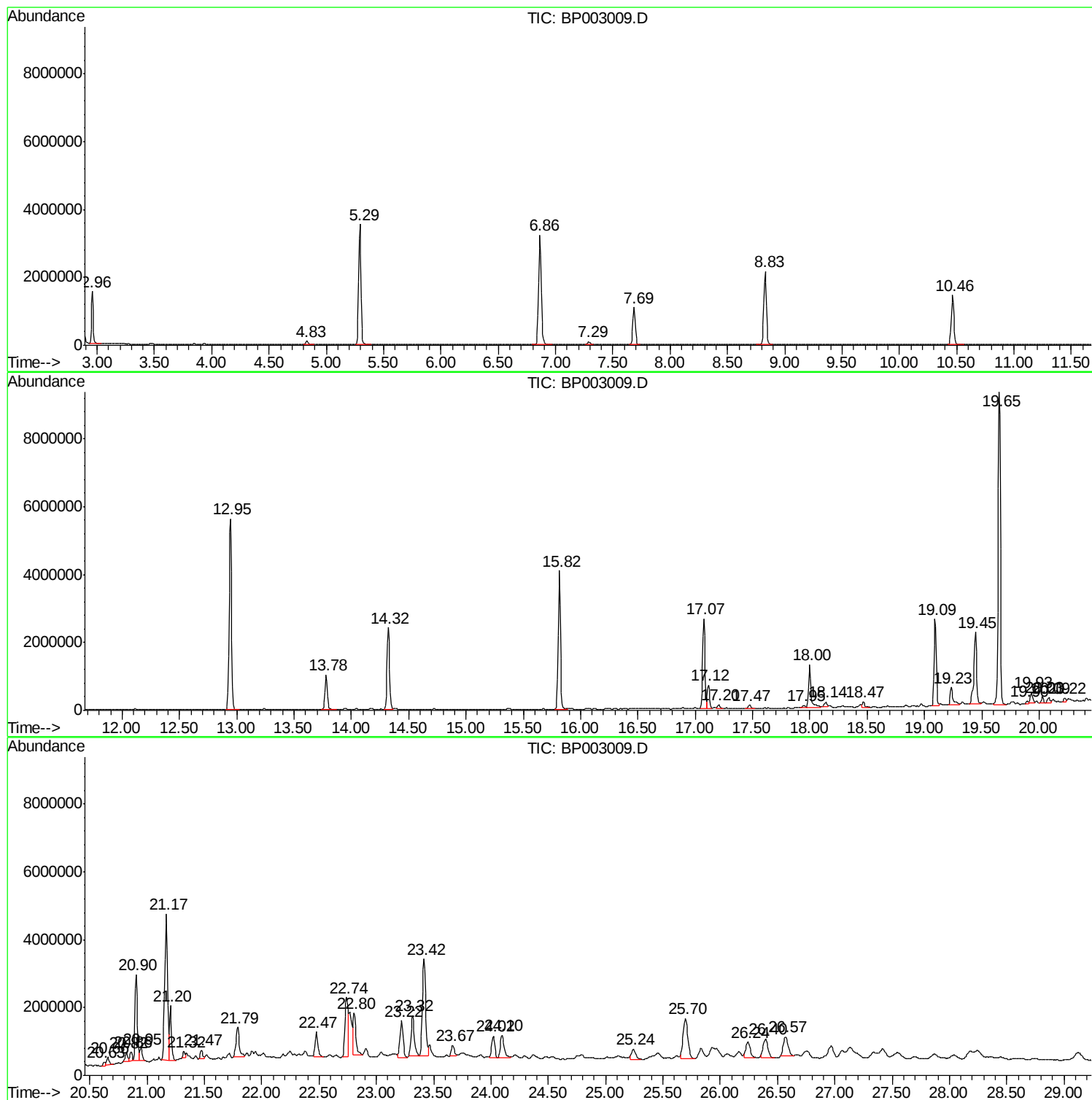
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Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
S711-N-SO-0-0.5-081320-FD

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.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\BP081720\  
Data File : BP003009.D  
Acq On : 17 Aug 2020 18:53  
Operator : CG/JU  
Sample : L3691-10  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

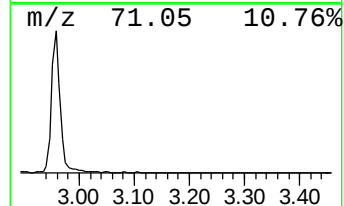
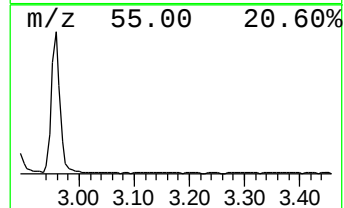
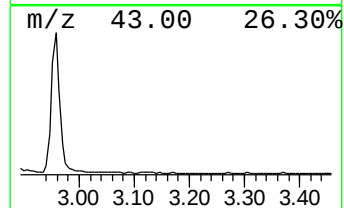
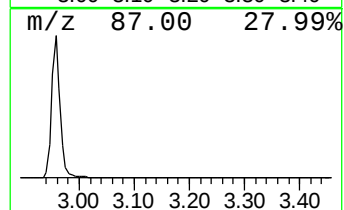
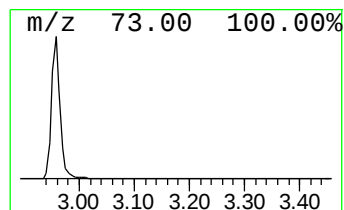
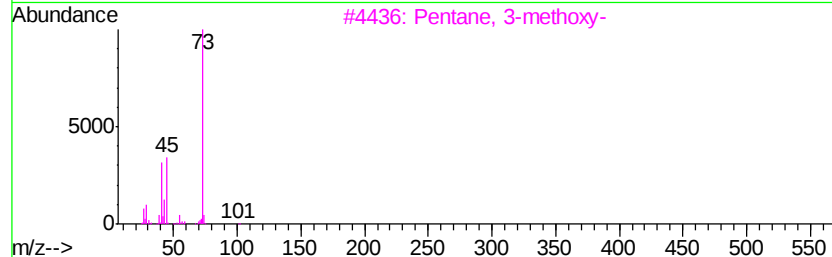
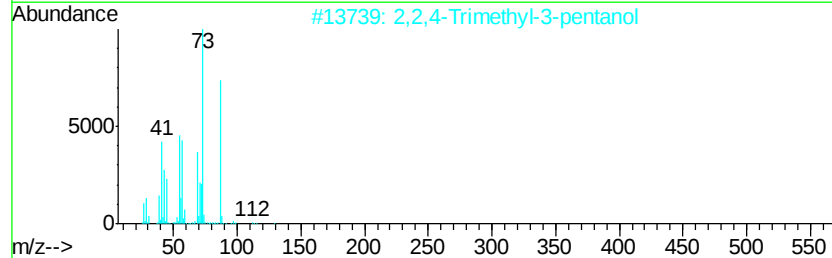
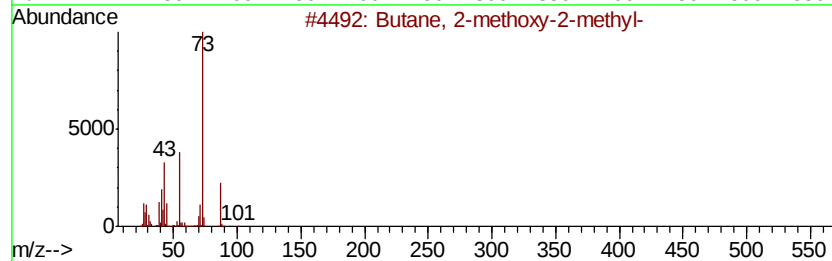
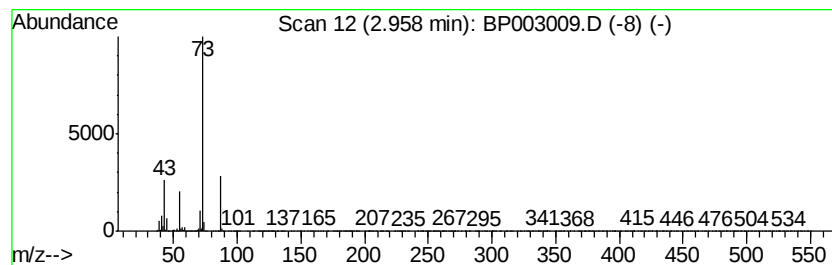
Instrument :  
BNA\_P  
ClientSampleId :  
S711-N-SO-0-0.5-081320-FD

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.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 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T.    | EstConc                     | Area         | Relative to ISTD       | R.T.      |
|---------|-----------------------------|--------------|------------------------|-----------|
| 2.96    | 19.08 ng                    | 1676410      | 1,4-Dichlorobenzene-d4 | 7.69      |
| Hit# of | 5                           | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Butane, 2-methoxy-2-methyl- | 102 C6H14O   | 000994-05-8            | 78        |
| 2       | 2,2,4-Trimethyl-3-pentanol  | 130 C8H18O   | 005162-48-1            | 40        |
| 3       | Pentane, 3-methoxy-         | 102 C6H14O   | 036839-67-5            | 17        |
| 4       | Acetamide, N-ethyl-         | 87 C4H9NO    | 000625-50-3            | 9         |
| 5       | N-Ethylformamide            | 73 C3H7NO    | 000627-45-2            | 9         |



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Instrument :  
BNA\_P  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

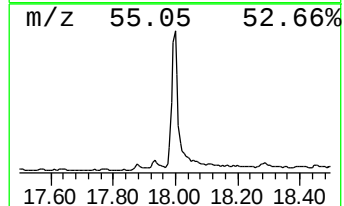
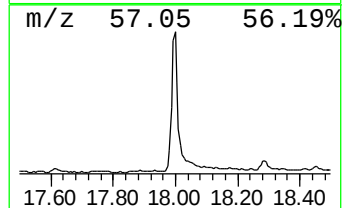
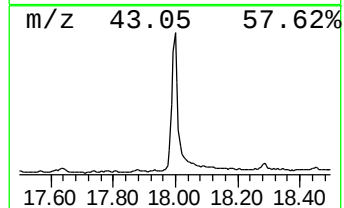
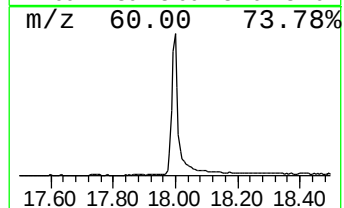
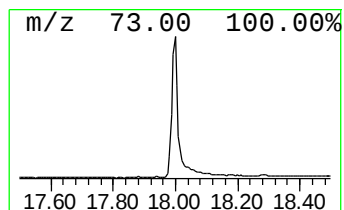
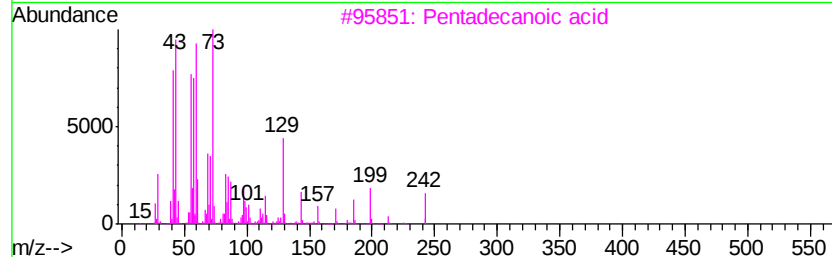
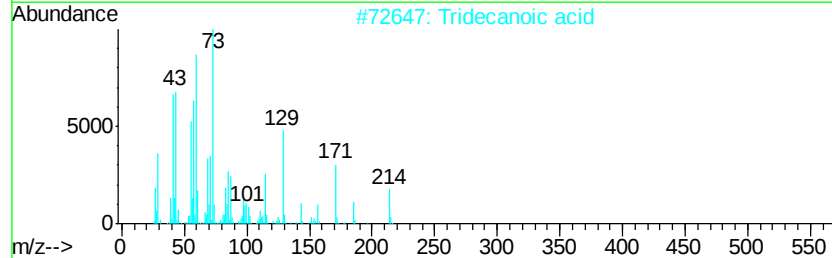
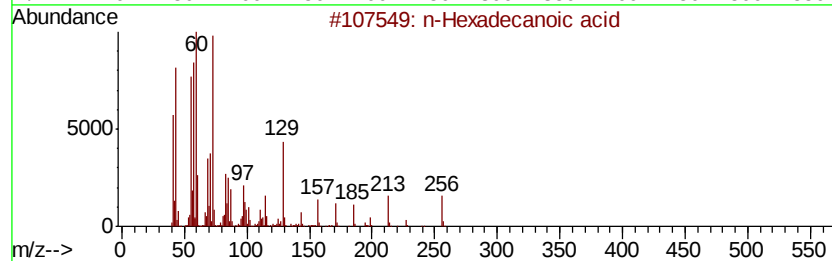
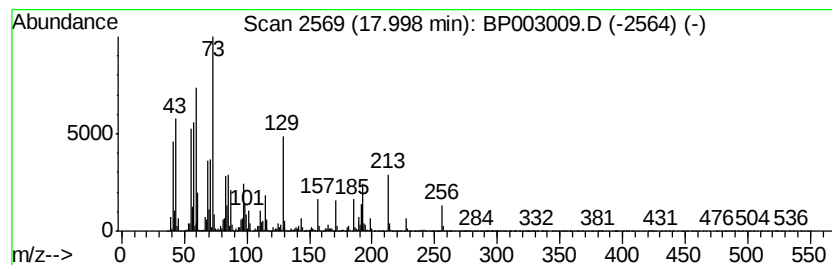
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 18.00 | 10.53 ng | 1931040 | Phenanthrene-d10 | 17.07 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 94   |
| 3    |    | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 74   |
| 4    |    | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 70   |
| 5    |    | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 64   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

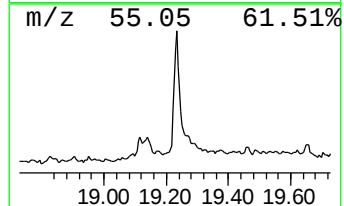
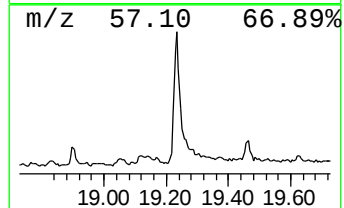
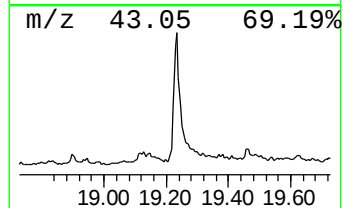
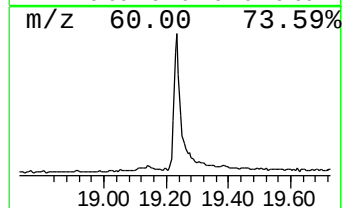
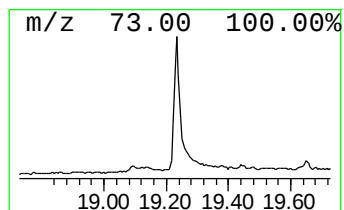
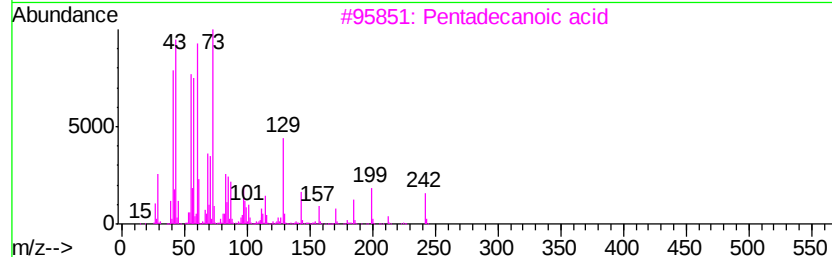
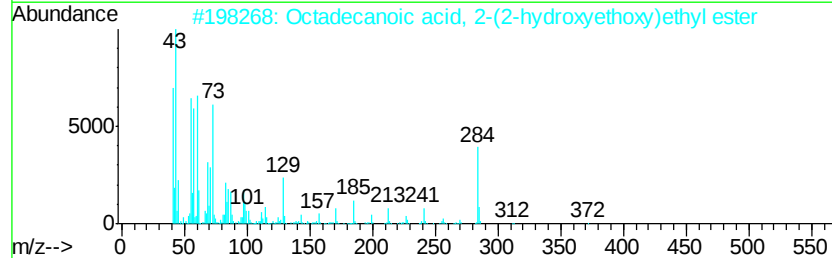
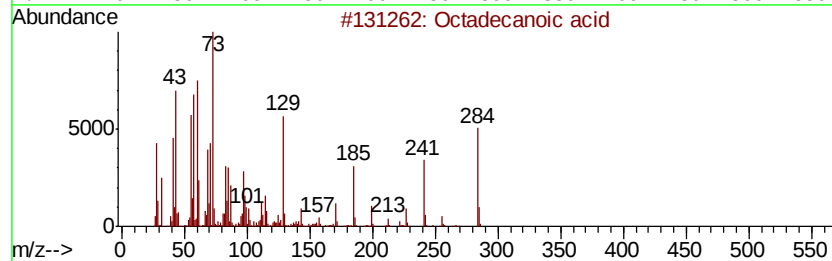
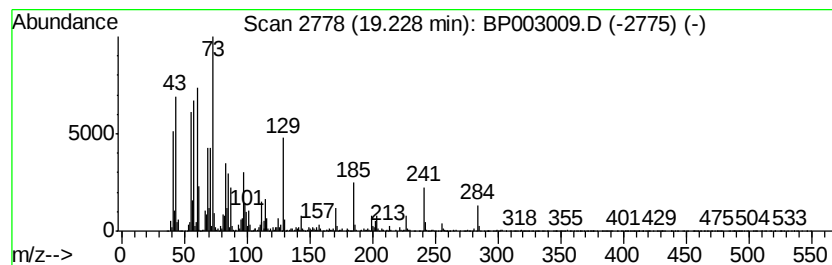
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Octadecanoic acid Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 19.23 | 2.44 ng | 901415 | Chrysene-d12     | 21.17 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Octadecanoic acid                    | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |    | Octadecanoic acid, 2-(2-hydroxyve... | 372 | C22H44O4 | 000106-11-6 | 93   |
| 3    |    | Pentadecanoic acid                   | 242 | C15H30O2 | 001002-84-2 | 93   |
| 4    |    | Tetradecanoic acid                   | 228 | C14H28O2 | 000544-63-8 | 89   |
| 5    |    | n-Decanoic acid                      | 172 | C10H20O2 | 000334-48-5 | 64   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

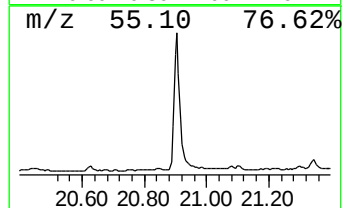
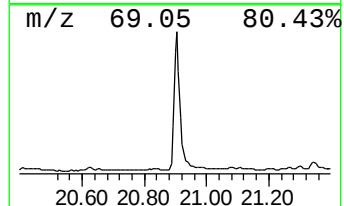
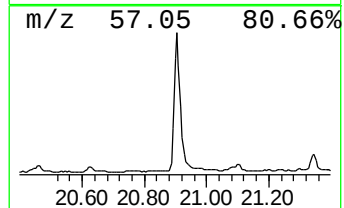
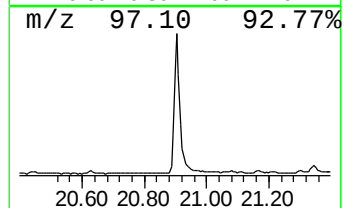
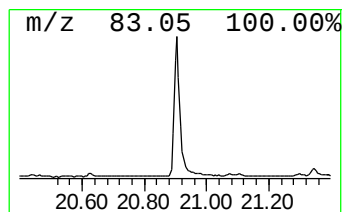
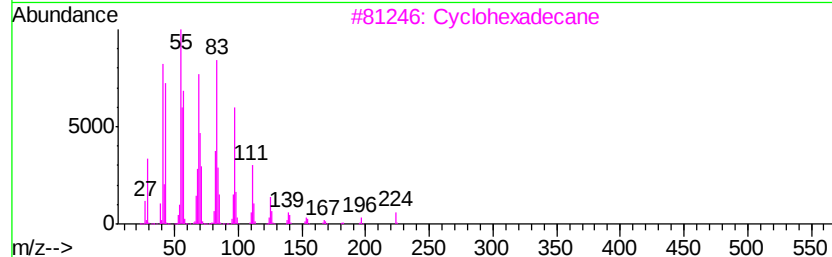
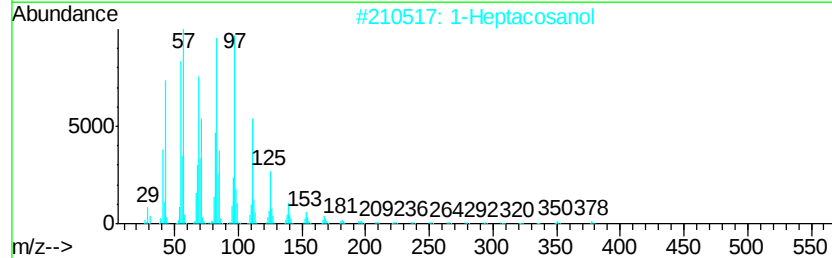
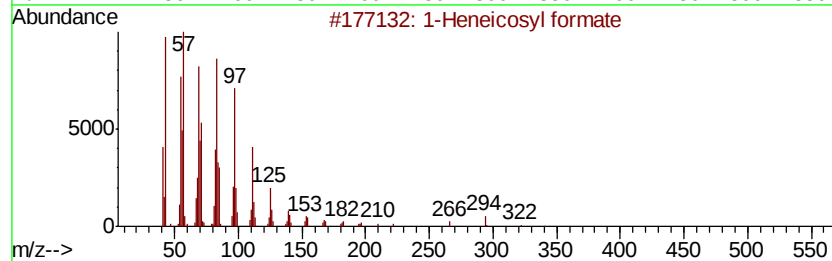
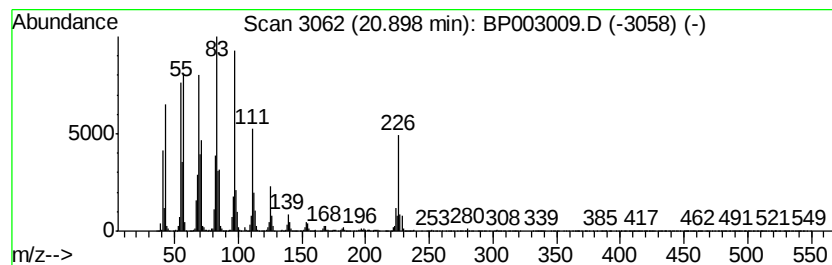
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 1-Heneicosyl formate Concentration Rank 3

| R.T.  | EstConc | Area    | Relative to ISTD | R.T.  |
|-------|---------|---------|------------------|-------|
| 20.90 | 9.32 ng | 3442180 | Chrysene-d12     | 21.17 |

| Hit# of | 5                    | Tentative ID | MW  | MolForm  | CAS#        | Qual |
|---------|----------------------|--------------|-----|----------|-------------|------|
| 1       | 1-Heneicosyl formate |              | 340 | C22H44O2 | 077899-03-7 | 98   |
| 2       | 1-Heptacosanol       |              | 396 | C27H56O  | 002004-39-9 | 95   |
| 3       | Cyclohexadecane      |              | 224 | C16H32   | 000295-65-8 | 94   |
| 4       | 1-Nonadecene         |              | 266 | C19H38   | 018435-45-5 | 94   |
| 5       | n-Tetracosanol-1     |              | 354 | C24H50O  | 000506-51-4 | 94   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081720\  
Data File : BP003009.D  
Acq On : 17 Aug 2020 18:53  
Operator : CG/JU  
Sample : L3691-10  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

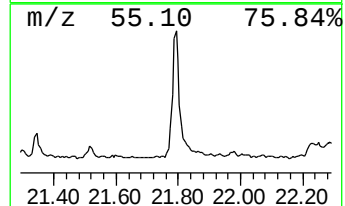
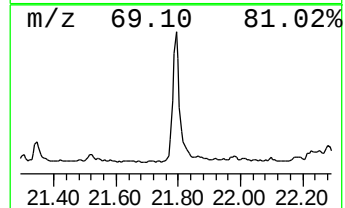
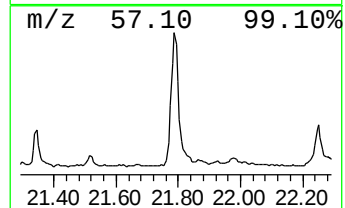
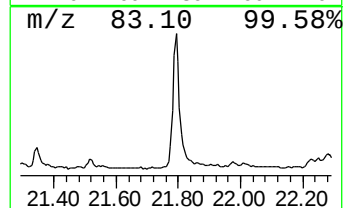
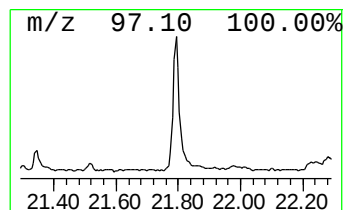
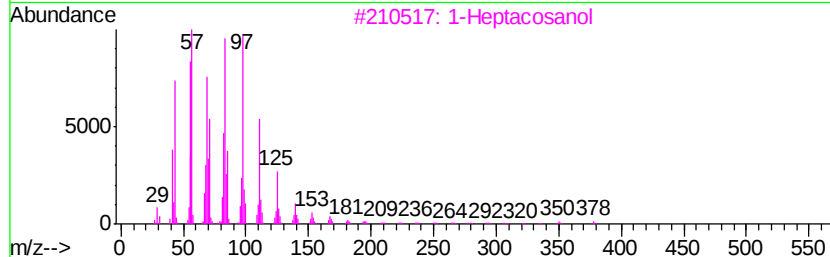
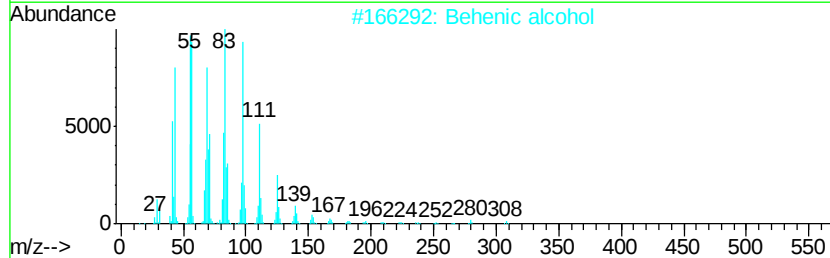
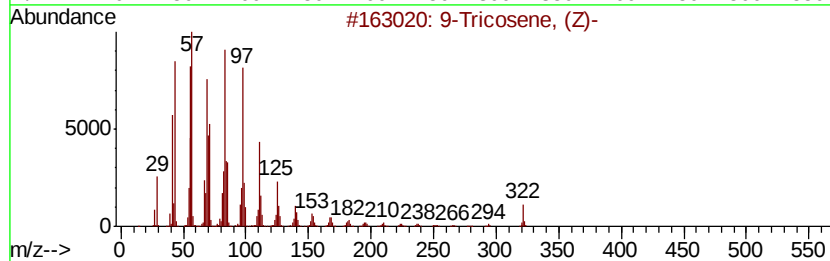
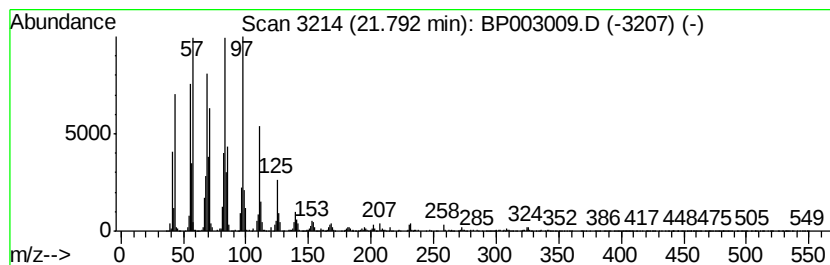
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ClientSampleId :  
S711-N-SO-0-0.5-081320-FD

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.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 9-Tricosene, (Z)- Concentration Rank 7

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.       |             |      |
|---------|-------------------------------------|--------------|------------------|------------|-------------|------|
| 21.79   | 4.74 ng                             | 1750620      | Chrysene-d12     | 21.17      |             |      |
| Hit# of | 5                                   | Tentative ID | MW               | MolForm    | CAS#        | Qual |
| 1       | 9-Tricosene, (Z)-                   |              | 322              | C23H46     | 027519-02-4 | 98   |
| 2       | Behenic alcohol                     |              | 326              | C22H46O    | 000661-19-8 | 95   |
| 3       | 1-Heptacosanol                      |              | 396              | C27H56O    | 002004-39-9 | 95   |
| 4       | 2- Chloropropionic acid, octadec... |              | 360              | C21H41ClO2 | 088104-31-8 | 95   |
| 5       | Octacosyl acetate                   |              | 452              | C30H60O2   | 018206-97-8 | 95   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081720\  
Data File : BP003009.D  
Acq On : 17 Aug 2020 18:53  
Operator : CG/JU  
Sample : L3691-10  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

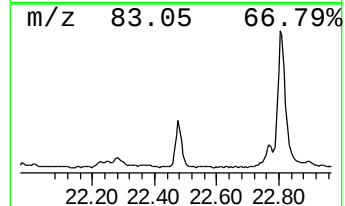
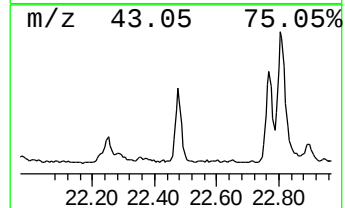
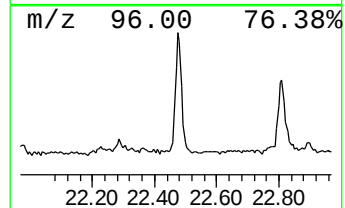
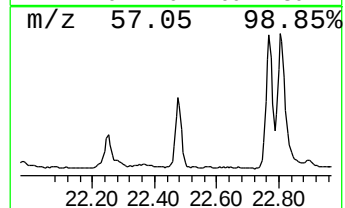
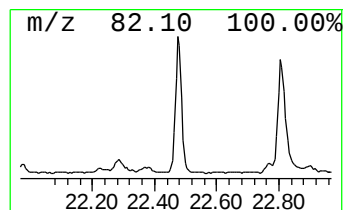
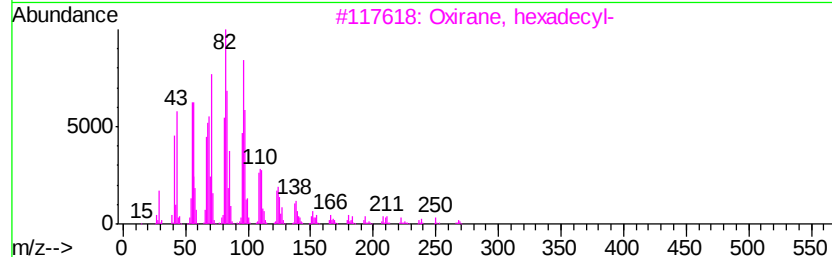
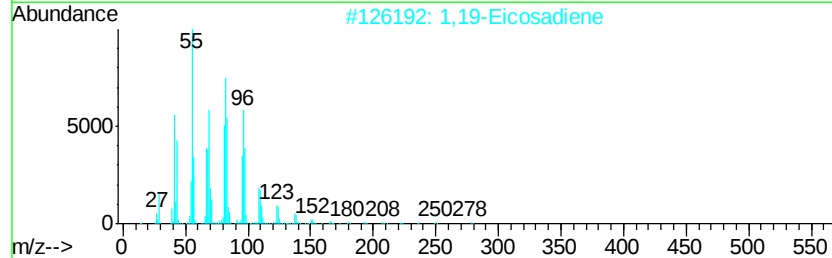
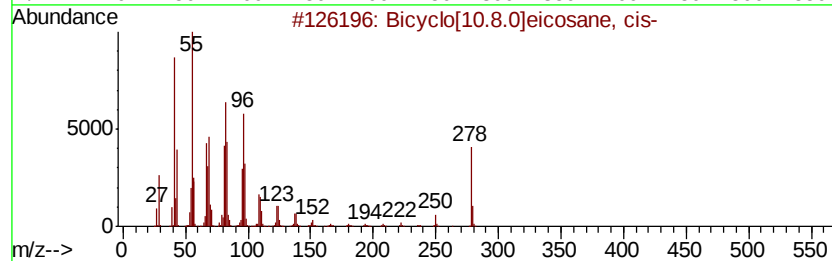
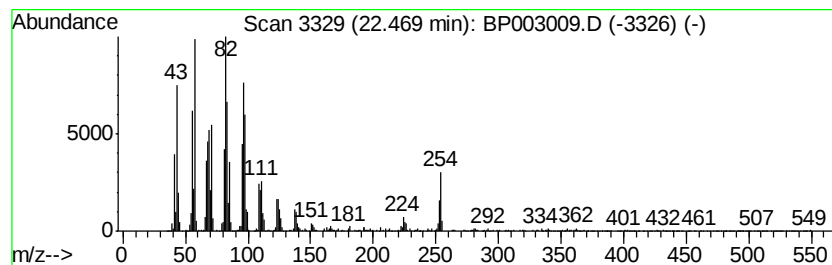
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ClientSampleId :  
S711-N-SO-0-0.5-081320-FD

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.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 Bicyclo[10.8.0]eicosane, cis- Concentration Rank 10

| R.T.  | EstConc | Area    | Relative to ISTD              |     | R.T.     |              |      |
|-------|---------|---------|-------------------------------|-----|----------|--------------|------|
| 22.47 | 4.12 ng | 1150160 | Perylene-d12                  |     | 23.42    |              |      |
| Hit#  | of      | 5       | Tentative ID                  | MW  | MolForm  | CAS#         | Qual |
| 1     |         |         | Bicyclo[10.8.0]eicosane, cis- | 278 | C20H38   | 1000155-82-2 | 91   |
| 2     |         |         | 1,19-Eicosadiene              | 278 | C20H38   | 014811-95-1  | 91   |
| 3     |         |         | Oxirane, hexadecyl-           | 268 | C18H36O  | 007390-81-0  | 90   |
| 4     |         |         | Oxirane, heptadecyl-          | 282 | C19H38O  | 067860-04-2  | 90   |
| 5     |         |         | (Z)-14-Tricosenyl formate     | 366 | C24H46O2 | 077899-10-6  | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081720\  
Data File : BP003009.D  
Acq On : 17 Aug 2020 18:53  
Operator : CG/JU  
Sample : L3691-10  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
S711-N-SO-0-0.5-081320-FD

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

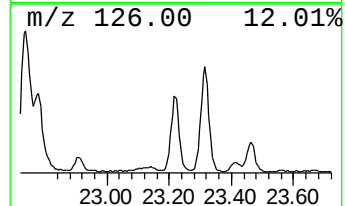
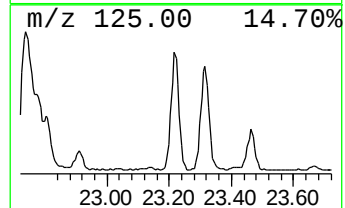
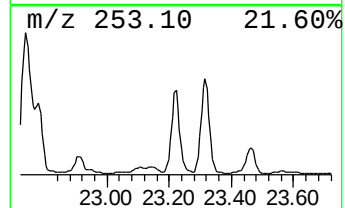
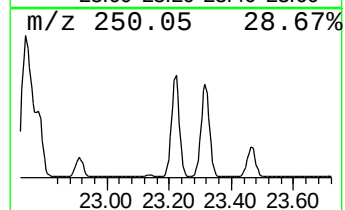
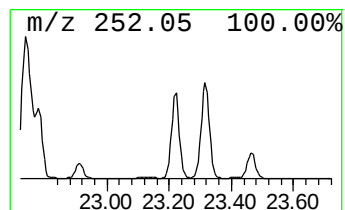
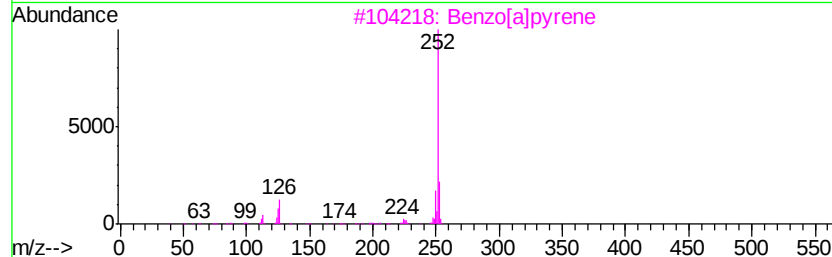
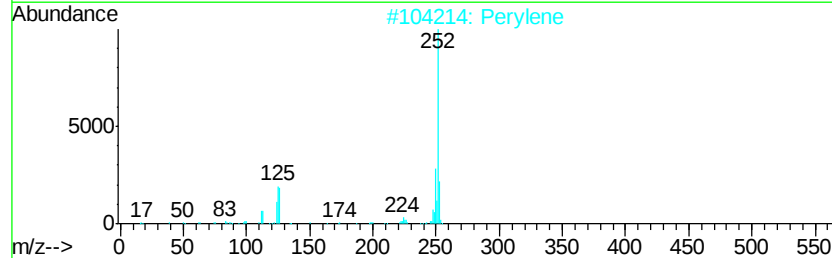
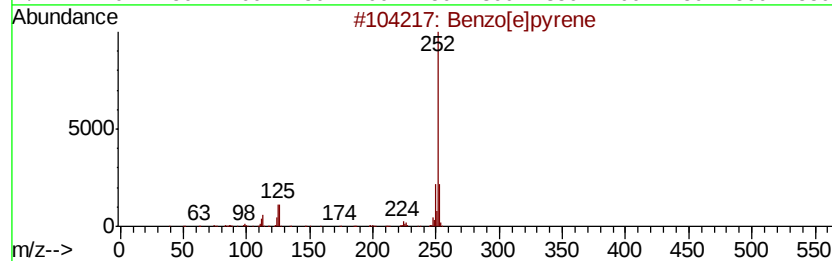
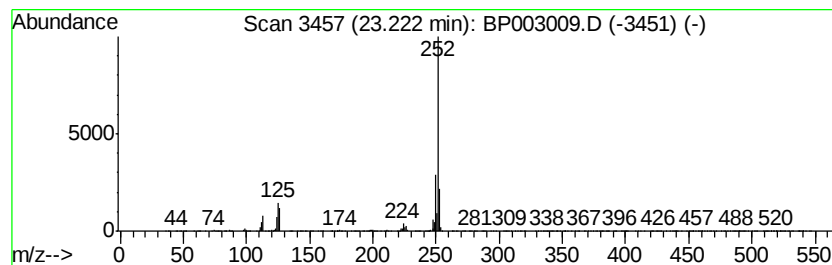
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 Benzo[e]pyrene Concentration Rank 4

| R.T.  | EstConc | Area    | Relative to ISTD | R.T.  |
|-------|---------|---------|------------------|-------|
| 23.22 | 7.16 ng | 1998170 | Perylene-d12     | 23.42 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[e]pyrene           | 252 | C20H12  | 000192-97-2 | 99   |
| 2    |    |   | Perylene                 | 252 | C20H12  | 000198-55-0 | 97   |
| 3    |    |   | Benzo[a]pyrene           | 252 | C20H12  | 000050-32-8 | 97   |
| 4    |    |   | Benzo[il]fluoranthene    | 252 | C20H12  | 000205-82-3 | 95   |
| 5    |    |   | Benz[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 94   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081720\  
Data File : BP003009.D  
Acq On : 17 Aug 2020 18:53  
Operator : CG/JU  
Sample : L3691-10  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

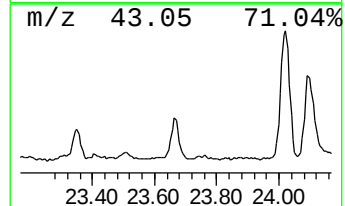
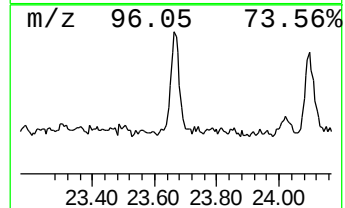
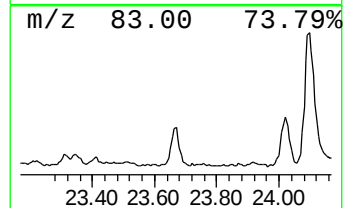
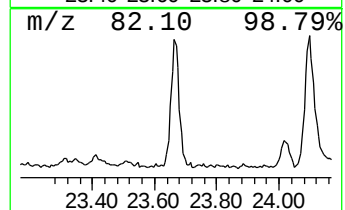
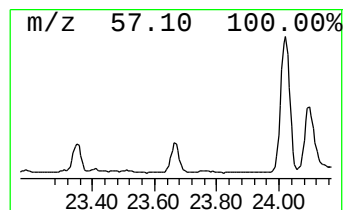
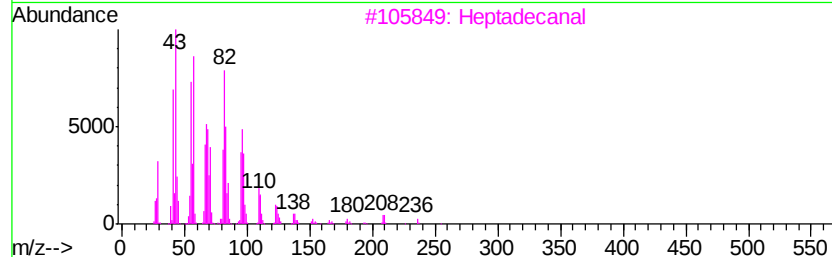
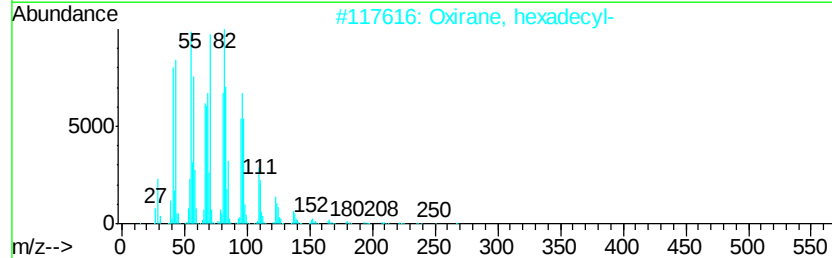
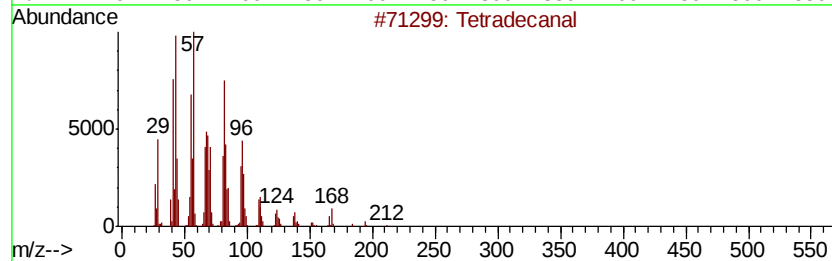
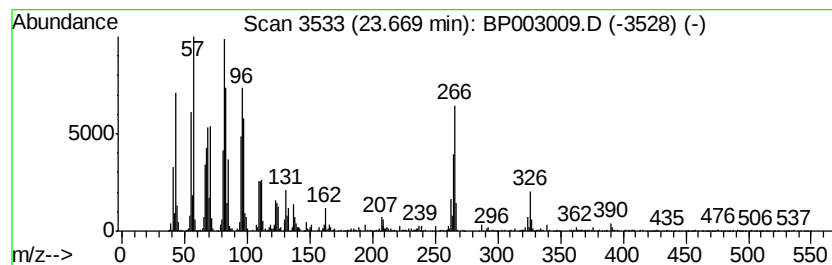
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ClientSampleId :  
S711-N-SO-0-0.5-081320-FD

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.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 Tetradecanal Concentration Rank 13

| R.T.      | EstConc                 | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------|--------|------------------|--------------|------|
| 23.67     | 2.00 ng                 | 558142 | Perylene-d12     | 23.42        |      |
| Hit# of 5 | Tentative ID            | MW     | MolForm          | CAS#         | Qual |
| 1         | Tetradecanal            | 212    | C14H28O          | 000124-25-4  | 86   |
| 2         | Oxirane, hexadecyl-     | 268    | C18H36O          | 007390-81-0  | 70   |
| 3         | Heptadecanal            | 254    | C17H34O          | 1000376-70-0 | 62   |
| 4         | Octadecanal             | 268    | C18H36O          | 000638-66-4  | 60   |
| 5         | 1,37-Octatriacontadiene | 531    | C38H74           | 1000159-37-3 | 58   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081720\  
Data File : BP003009.D  
Acq On : 17 Aug 2020 18:53  
Operator : CG/JU  
Sample : L3691-10  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
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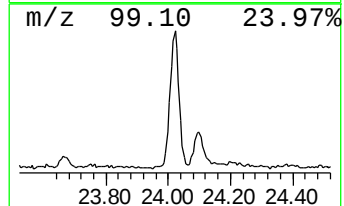
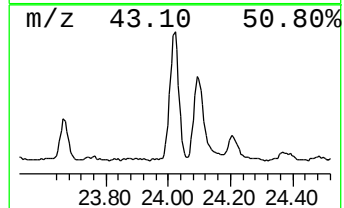
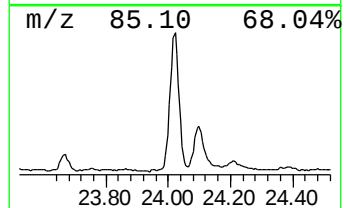
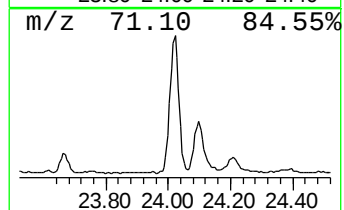
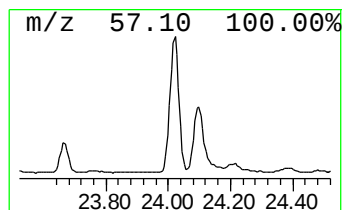
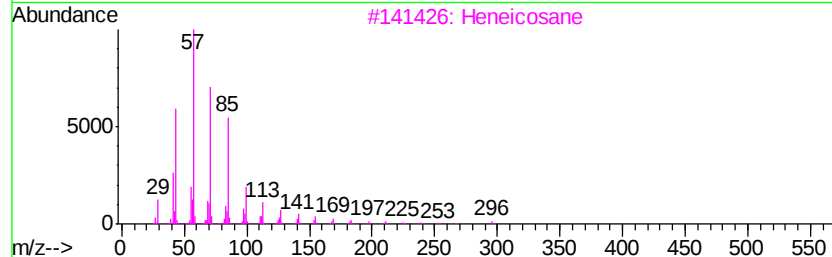
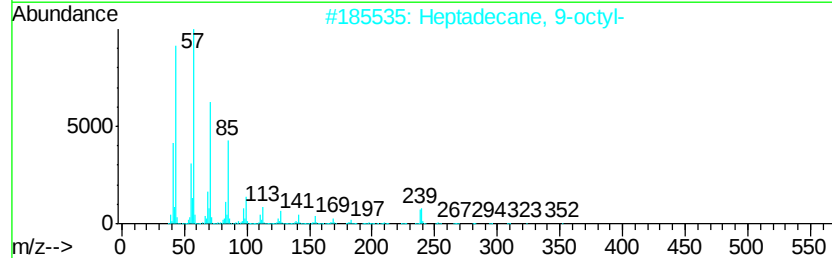
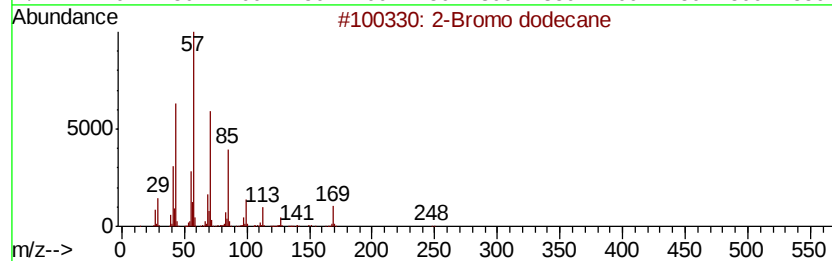
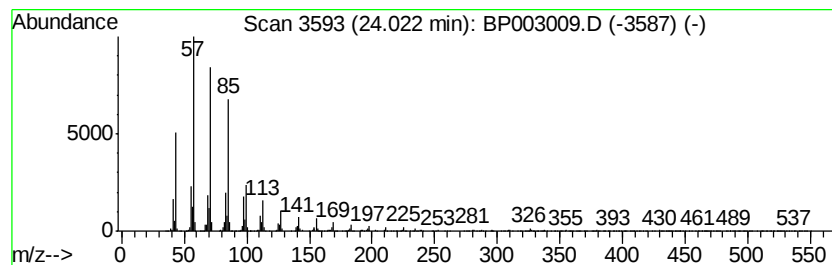
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 2-Bromo dodecane Concentration Rank 8

| R.T.  | EstConc | Area    | Relative to ISTD | R.T.  |
|-------|---------|---------|------------------|-------|
| 24.02 | 4.39 ng | 1225650 | Perylene-d12     | 23.42 |

| Hit# | of | Tentative ID          | MW  | MolForm  | CAS#        | Qual |
|------|----|-----------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Bromo dodecane      | 248 | C12H25Br | 013187-99-0 | 94   |
| 2    |    | Heptadecane, 9-octyl- | 352 | C25H52   | 007225-64-1 | 90   |
| 3    |    | Heneicosane           | 296 | C21H44   | 000629-94-7 | 90   |
| 4    |    | Triacontane           | 422 | C30H62   | 000638-68-6 | 90   |
| 5    |    | Pentacosane           | 352 | C25H52   | 000629-99-2 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081720\  
Data File : BP003009.D  
Acq On : 17 Aug 2020 18:53  
Operator : CG/JU  
Sample : L3691-10  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

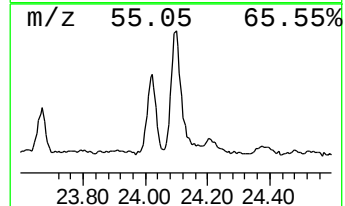
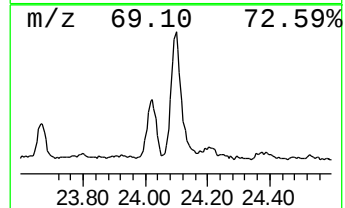
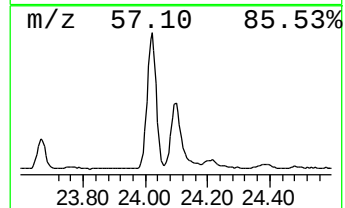
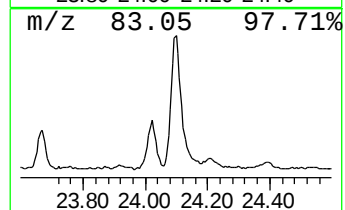
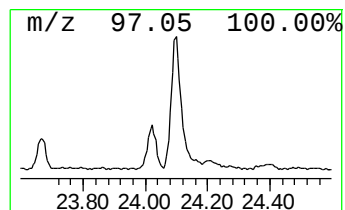
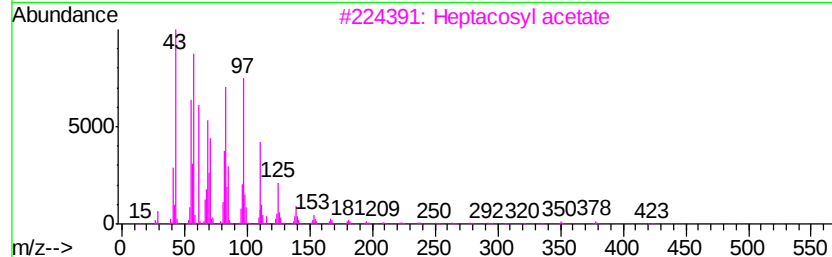
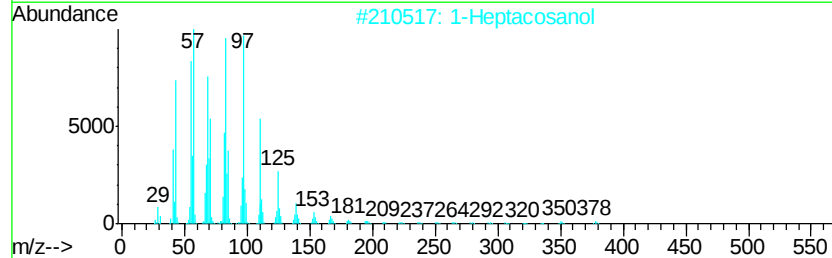
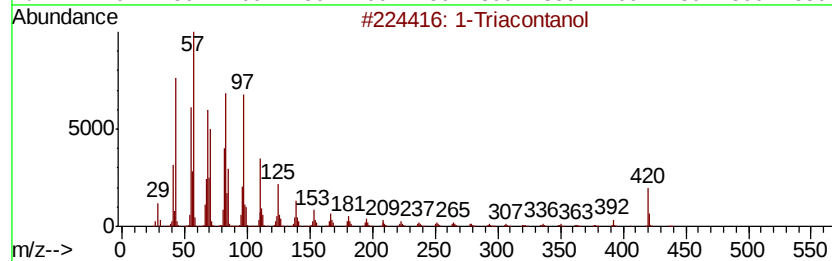
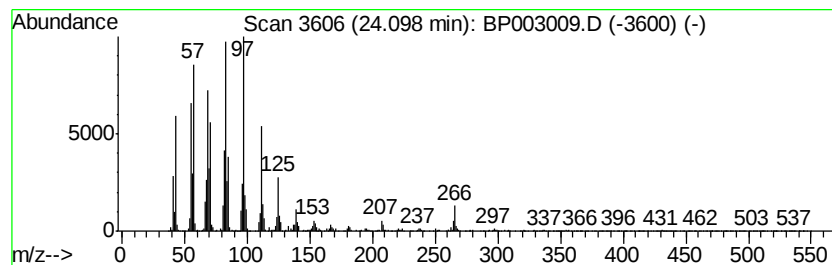
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ClientSampleId :  
S711-N-SO-0-0.5-081320-FD

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.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 10 1-Triacontanol Concentration Rank 6

| R.T.      | EstConc            | Area    | Relative to ISTD | R.T.         |      |
|-----------|--------------------|---------|------------------|--------------|------|
| 24.10     | 5.32 ng            | 1485360 | Perylene-d12     | 23.42        |      |
| Hit# of 5 | Tentative ID       | MW      | MolForm          | CAS#         | Qual |
| 1         | 1-Triacontanol     | 438     | C30H62O          | 000593-50-0  | 95   |
| 2         | 1-Heptacosanol     | 396     | C27H56O          | 002004-39-9  | 95   |
| 3         | Heptacosyl acetate | 438     | C29H58O2         | 1000351-78-2 | 94   |
| 4         | Octacosanol        | 410     | C28H58O          | 000557-61-9  | 91   |
| 5         | n-Tetracosanol-1   | 354     | C24H50O          | 000506-51-4  | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081720\  
Data File : BP003009.D  
Acq On : 17 Aug 2020 18:53  
Operator : CG/JU  
Sample : L3691-10  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
S711-N-SO-0-0.5-081320-FD

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

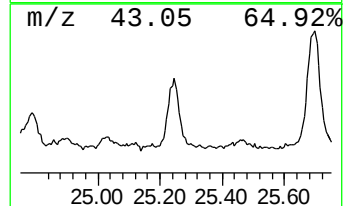
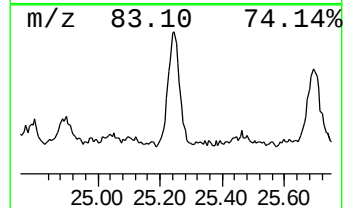
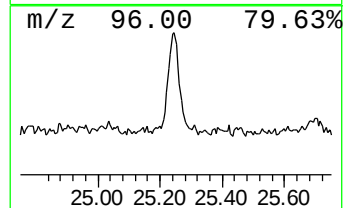
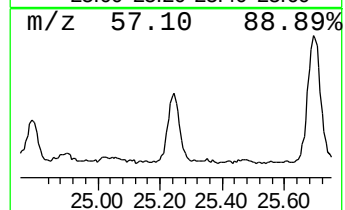
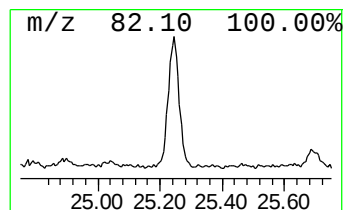
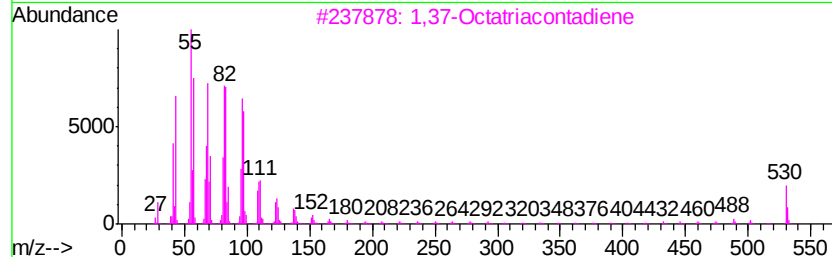
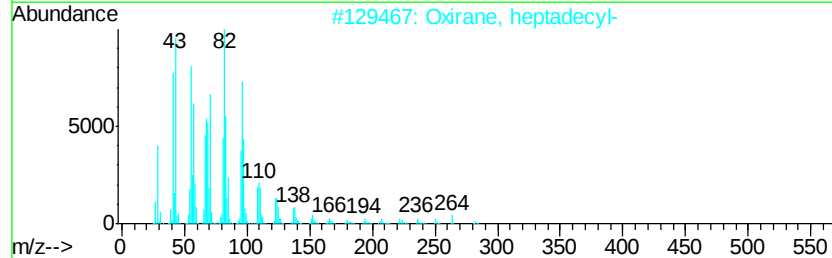
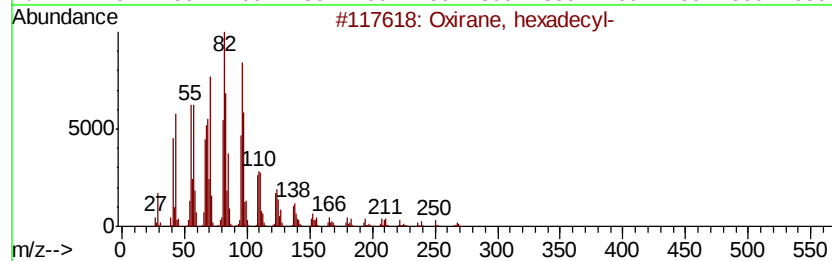
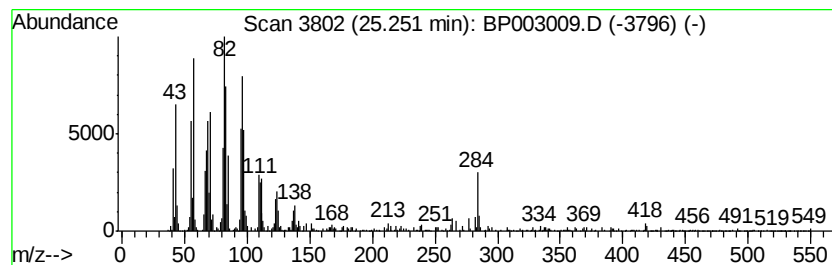
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Oxirane, hexadecyl- Concentration Rank 11

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 25.25 | 2.56 ng | 714420 | Perylene-d12     | 23.42 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------|-----|---------|--------------|------|
| 1    | 5  | Oxirane, hexadecyl-     | 268 | C18H36O | 007390-81-0  | 95   |
| 2    |    | Oxirane, heptadecyl-    | 282 | C19H38O | 067860-04-2  | 91   |
| 3    |    | 1,37-Octatriacontadiene | 531 | C38H74  | 1000159-37-3 | 87   |
| 4    |    | Octadecanal             | 268 | C18H36O | 000638-66-4  | 87   |
| 5    |    | Tetradecanal            | 212 | C14H28O | 000124-25-4  | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081720\  
Data File : BP003009.D  
Acq On : 17 Aug 2020 18:53  
Operator : CG/JU  
Sample : L3691-10  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
S711-N-SO-0-0.5-081320-FD

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

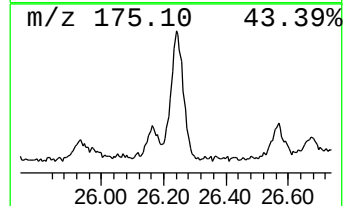
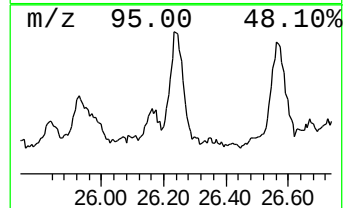
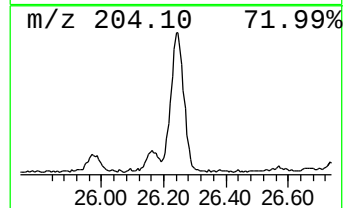
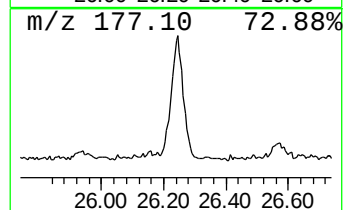
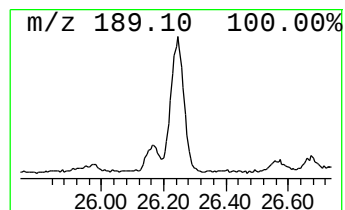
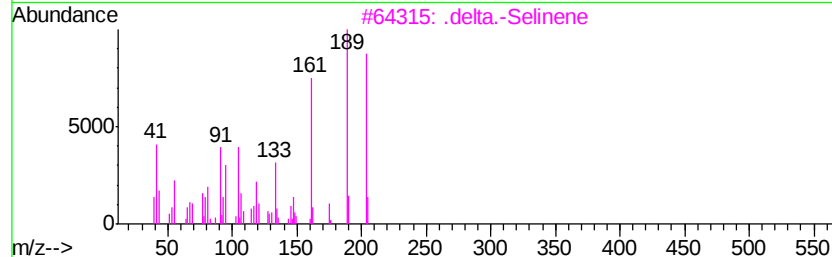
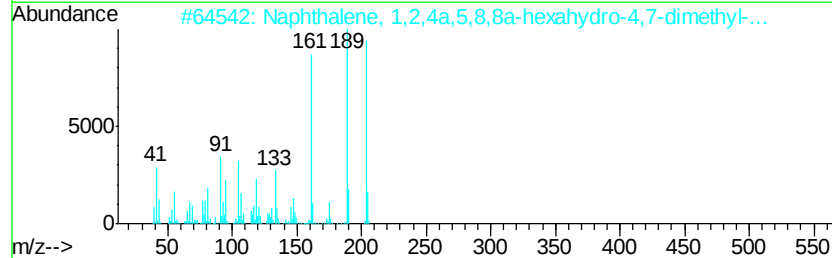
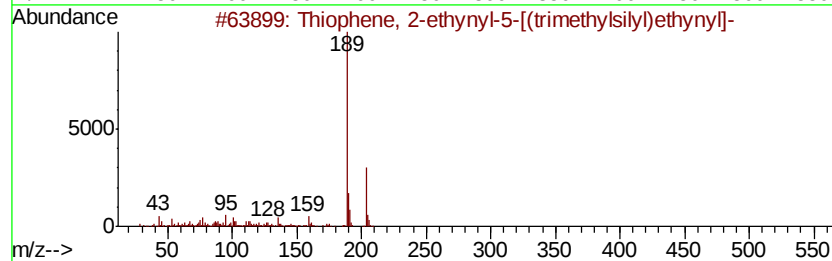
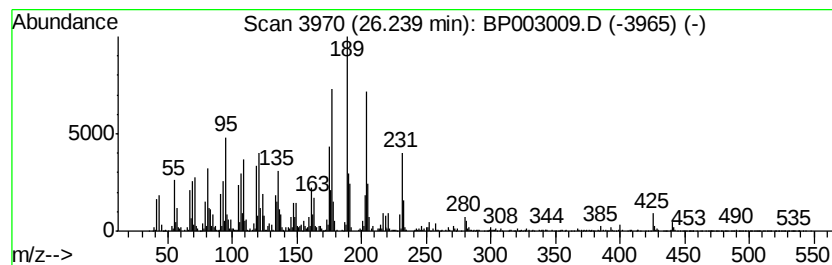
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 unknown26.24 Concentration Rank 9

| R.T.  | EstConc | Area    | Relative to ISTD | R.T.  |
|-------|---------|---------|------------------|-------|
| 26.24 | 4.22 ng | 1177920 | Perylene-d12     | 23.42 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Thiophene, 2-ethynyl-5-[(trimeth... | 204 | C11H12SSi | 182323-29-1 | 46   |
| 2    |    | Naphthalene, 1,2,4a,5,8,8a-hexah... | 204 | C15H24    | 005951-61-1 | 41   |
| 3    |    | .delta.-Selinene                    | 204 | C15H24    | 028624-23-9 | 38   |
| 4    |    | Naphthalene, 2,3,4,4a,5,6-hexahy... | 204 | C15H24    | 000473-14-3 | 38   |
| 5    |    | Naphthalene, decahydro-4a-methyl... | 204 | C15H24    | 000515-17-3 | 38   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081720\  
Data File : BP003009.D  
Acq On : 17 Aug 2020 18:53  
Operator : CG/JU  
Sample : L3691-10  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

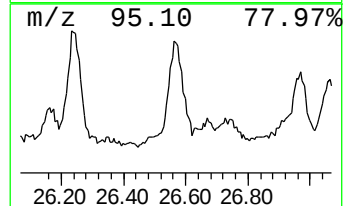
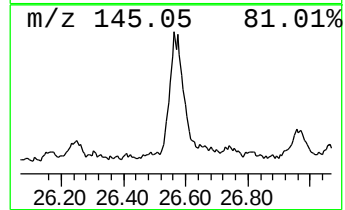
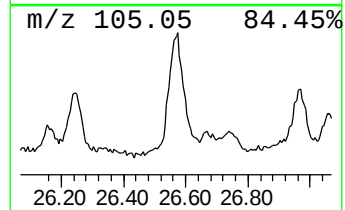
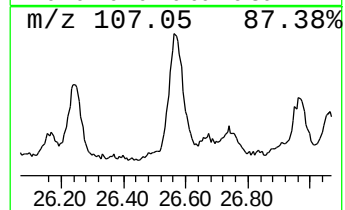
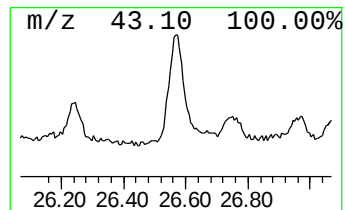
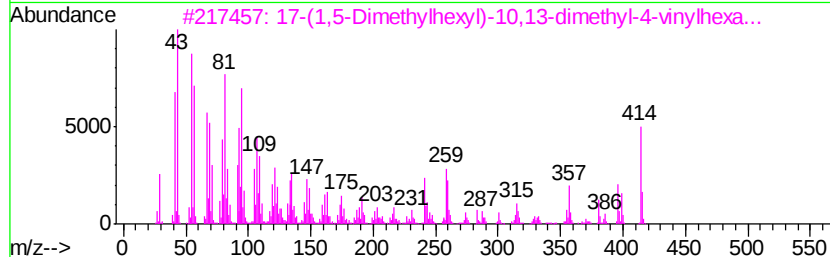
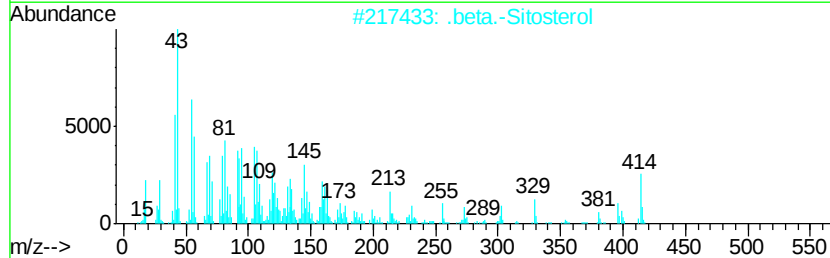
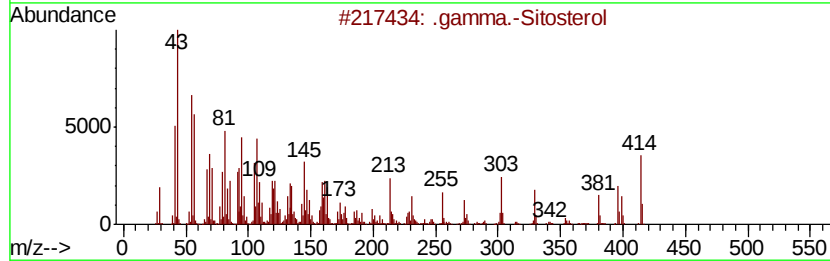
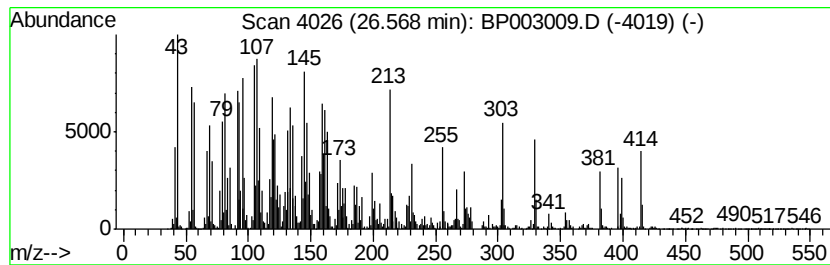
Instrument :  
BNA\_P  
ClientSampleId :  
S711-N-SO-0-0.5-081320-FD

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.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 .gamma.-Sitosterol Concentration Rank 5

| R.T.      | EstConc                             | Area    | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|---------|------------------|--------------|------|
| 26.57     | 5.84 ng                             | 1630100 | Perylene-d12     | 23.42        |      |
| 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         | 17-(1,5-Dimethylhexyl)-10,13-dim... | 414     | C29H50O          | 1000210-86-9 | 41   |
| 4         | Pregn-5-en-3-ol, 21-bromo-20-met... | 394     | C22H35BrO        | 055103-80-5  | 38   |
| 5         | Norflurazon                         | 303     | C12H9ClF3N3O     | 027314-13-2  | 25   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_P\DATA\BP081720\  
 Data File : BP003009.D  
 Acq On : 17 Aug 2020 18:53  
 Operator : CG/JU  
 Sample : L3691-10  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 S711-N-SO-0-0.5-081320-FD

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP073020.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 |
| Butane, 2-methoxy... | 2.96  | 19.1    | ng    | 1676410  | 1                       | 7.69  | 1757060 | 20.0 |
| n-Hexadecanoic acid  | 18.00 | 10.5    | ng    | 1931040  | 4                       | 17.07 | 3668890 | 20.0 |
| Octadecanoic acid    | 19.23 | 2.4     | ng    | 901415   | 5                       | 21.17 | 7383240 | 20.0 |
| 1-Heneicosyl formate | 20.90 | 9.3     | ng    | 3442180  | 5                       | 21.17 | 7383240 | 20.0 |
| 9-Tricosene, (Z)-    | 21.79 | 4.7     | ng    | 1750620  | 5                       | 21.17 | 7383240 | 20.0 |
| Bicyclo[10.8.0]ei... | 22.47 | 4.1     | ng    | 1150160  | 6                       | 23.42 | 5580650 | 20.0 |
| Benzo[e]pyrene       | 23.22 | 7.2     | ng    | 1998170  | 6                       | 23.42 | 5580650 | 20.0 |
| Tetradecanal         | 23.67 | 2.0     | ng    | 558142   | 6                       | 23.42 | 5580650 | 20.0 |
| 2-Bromo dodecane     | 24.02 | 4.4     | ng    | 1225650  | 6                       | 23.42 | 5580650 | 20.0 |
| 1-Triacontanol       | 24.10 | 5.3     | ng    | 1485360  | 6                       | 23.42 | 5580650 | 20.0 |
| Oxirane, hexadecyl-  | 25.25 | 2.6     | ng    | 714420   | 6                       | 23.42 | 5580650 | 20.0 |
| unknown26.24         | 26.24 | 4.2     | ng    | 1177920  | 6                       | 23.42 | 5580650 | 20.0 |
| .gamma.-Sitosterol   | 26.57 | 5.8     | ng    | 1630100  | 6                       | 23.42 | 5580650 | 20.0 |