

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP022324\  
 Data File : BP019843.D  
 Acq On : 23 Feb 2024 14:59  
 Operator : MA/JU  
 Sample : P1318-02  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 CO-11-GRID-2

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\8270E-BP013124.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP019843.D\data.ms

| 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         | 5.475       | 399           | 406         | 418          | rBV      | 867565         | 1319299       | 34.21%          | 7.173%        |
| 2         | 7.075       | 671           | 678         | 696          | rBV      | 782385         | 1336270       | 34.65%          | 7.266%        |
| 3         | 7.905       | 811           | 819         | 828          | rBV      | 209298         | 351646        | 9.12%           | 1.912%        |
| 4         | 9.075       | 1009          | 1018        | 1029         | rBV      | 499894         | 878012        | 22.77%          | 4.774%        |
| 5         | 10.705      | 1284          | 1295        | 1310         | rBV      | 252978         | 457557        | 11.86%          | 2.488%        |
| 6         | 12.587      | 1609          | 1615        | 1624         | rBV2     | 39087          | 64522         | 1.67%           | 0.351%        |
| 7         | 13.169      | 1707          | 1714        | 1728         | rBV      | 1298204        | 2059131       | 53.39%          | 11.196%       |
| 8         | 14.546      | 1941          | 1948        | 1965         | rBV      | 362260         | 615216        | 15.95%          | 3.345%        |
| 9         | 16.045      | 2195          | 2203        | 2222         | rBV      | 1113265        | 1907467       | 49.46%          | 10.371%       |
| 10        | 17.304      | 2410          | 2417        | 2423         | rBV      | 515381         | 820232        | 21.27%          | 4.460%        |
| 11        | 17.345      | 2423          | 2424        | 2431         | rVB      | 41396          | 47504         | 1.23%           | 0.258%        |
| 12        | 17.916      | 2515          | 2521        | 2526         | rBV2     | 43069          | 68556         | 1.78%           | 0.373%        |
| 13        | 18.204      | 2565          | 2570        | 2585         | rBV      | 490739         | 745528        | 19.33%          | 4.054%        |
| 14        | 18.369      | 2593          | 2598        | 2602         | rBV      | 59692          | 89453         | 2.32%           | 0.486%        |
| 15        | 18.422      | 2603          | 2607        | 2611         | rVV3     | 38645          | 52714         | 1.37%           | 0.287%        |
| 16        | 18.639      | 2640          | 2644        | 2648         | rBV2     | 53939          | 80536         | 2.09%           | 0.438%        |
| 17        | 18.810      | 2670          | 2673        | 2678         | rVB2     | 39936          | 47314         | 1.23%           | 0.257%        |
| 18        | 19.110      | 2720          | 2724        | 2729         | rBV      | 41145          | 53288         | 1.38%           | 0.290%        |
| 19        | 19.163      | 2729          | 2733        | 2735         | rVV      | 31783          | 45492         | 1.18%           | 0.247%        |
| 20        | 19.198      | 2735          | 2739        | 2746         | rVB      | 85117          | 123325        | 3.20%           | 0.671%        |
| 21        | 19.322      | 2754          | 2760        | 2768         | rBV      | 130257         | 212375        | 5.51%           | 1.155%        |
| 22        | 19.404      | 2770          | 2774        | 2776         | rVV      | 37147          | 53026         | 1.37%           | 0.288%        |
| 23        | 19.445      | 2777          | 2781        | 2790         | rVB      | 311692         | 469294        | 12.17%          | 2.552%        |
| 24        | 19.675      | 2817          | 2820        | 2824         | rVB      | 76508          | 91495         | 2.37%           | 0.497%        |
| 25        | 19.881      | 2849          | 2855        | 2865         | rBV      | 3076855        | 3856733       | 100.00%         | 20.970%       |
| 26        | 21.133      | 3064          | 3068        | 3075         | rBV2     | 176876         | 240858        | 6.25%           | 1.310%        |
| 27        | 21.410      | 3110          | 3115        | 3121         | rBV      | 764632         | 1182656       | 30.66%          | 6.430%        |
| 28        | 23.845      | 3523          | 3529        | 3537         | rVB      | 527435         | 1122227       | 29.10%          | 6.102%        |

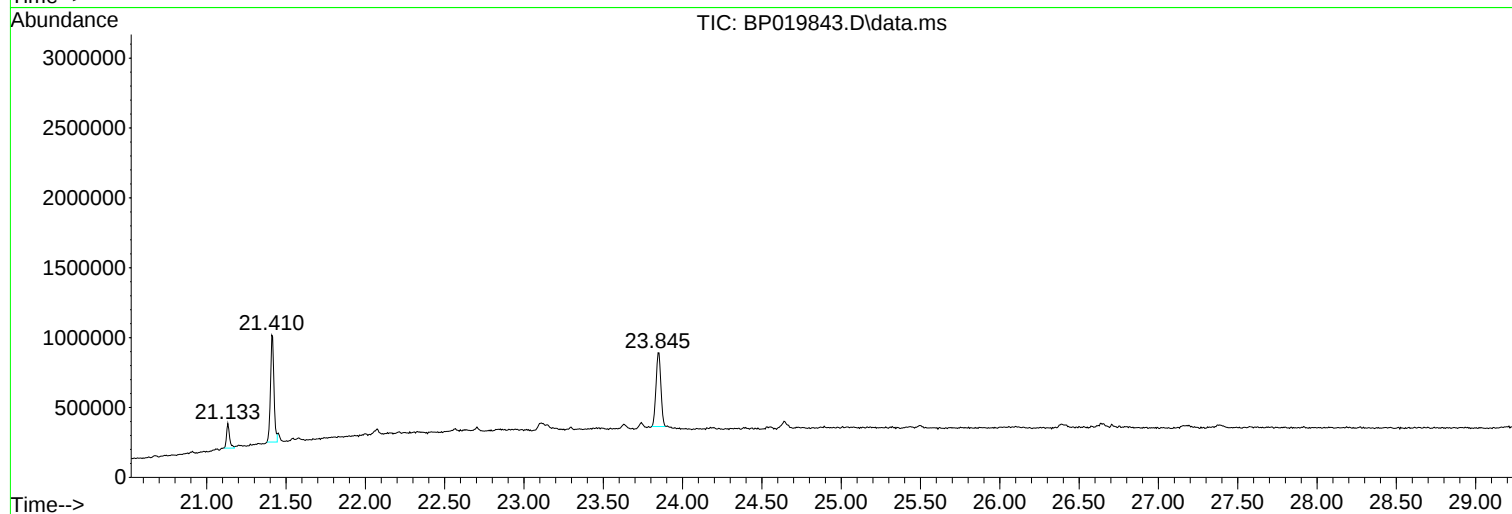
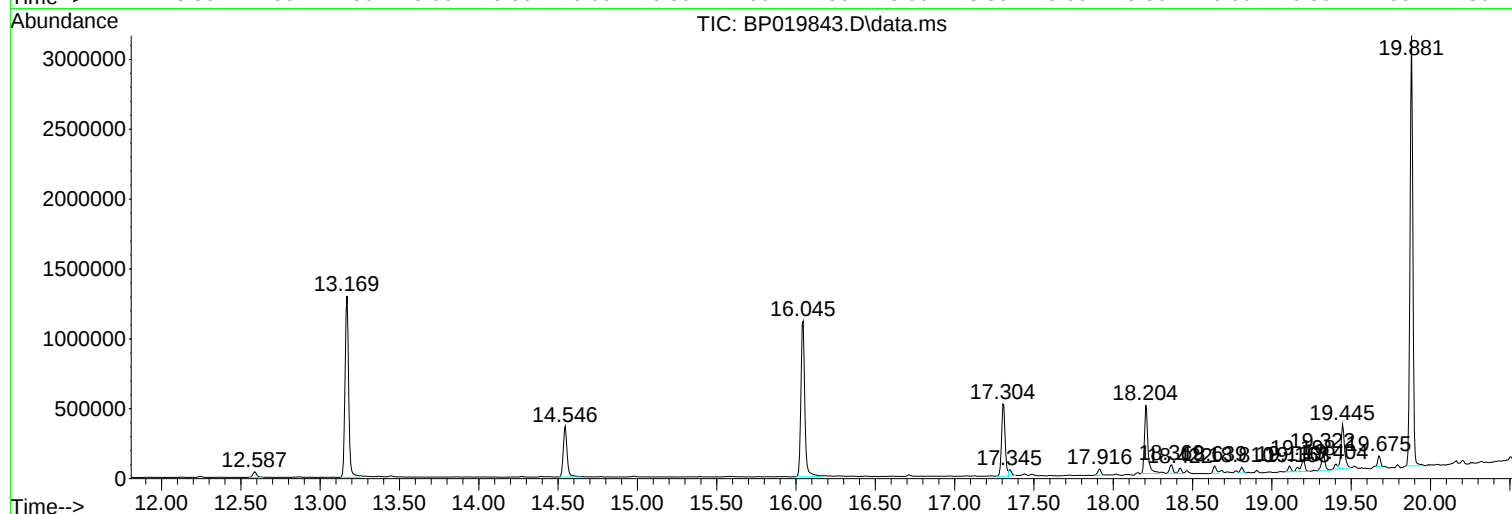
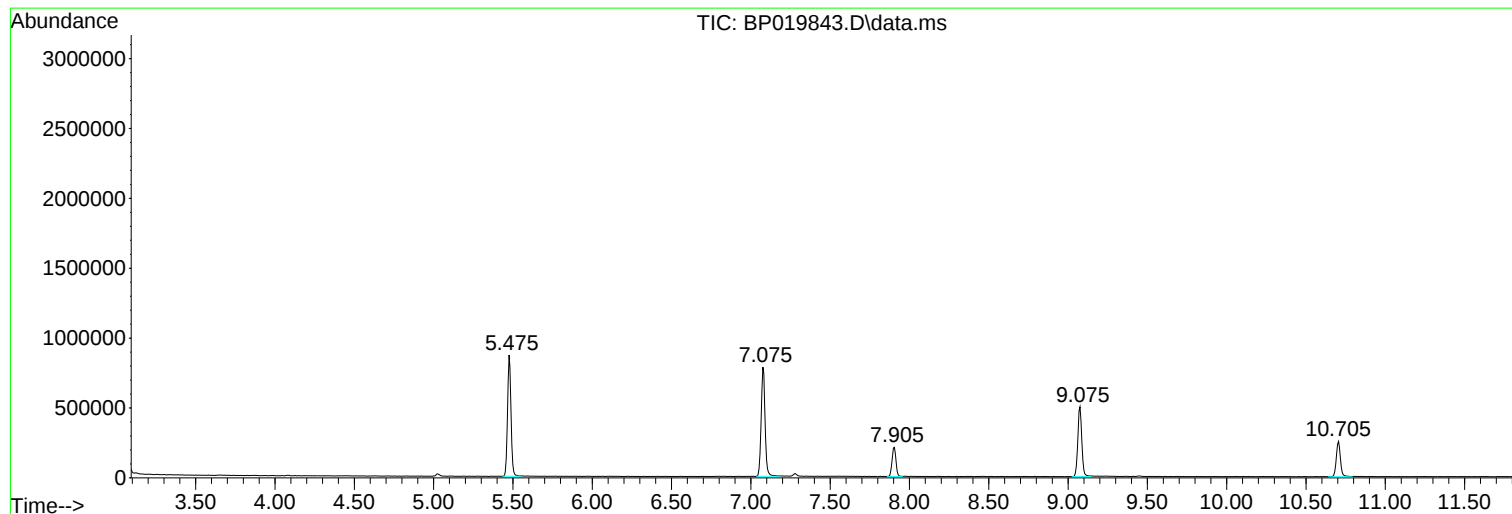
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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
CO-11-GRID-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP013124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



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CO-11-GRID-2

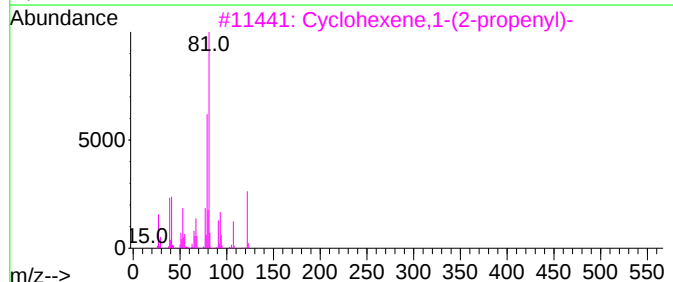
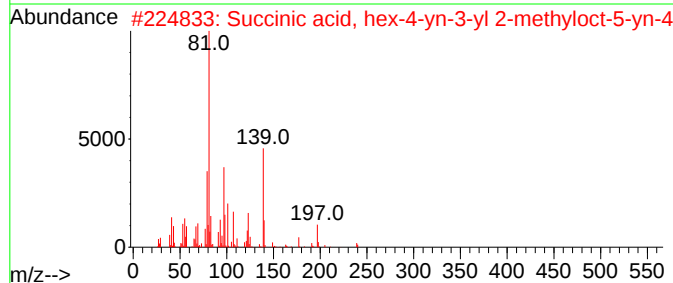
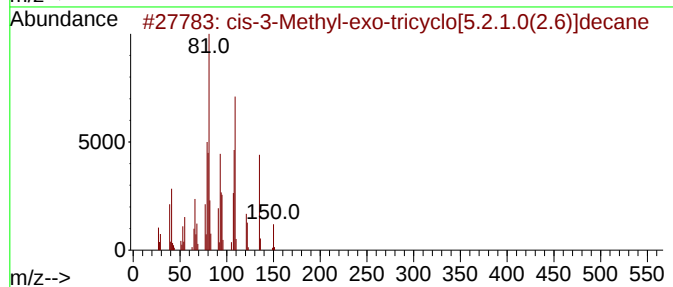
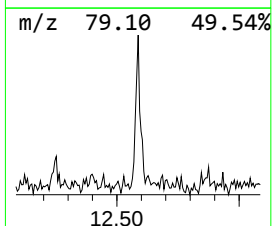
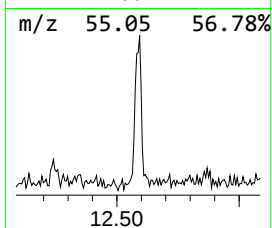
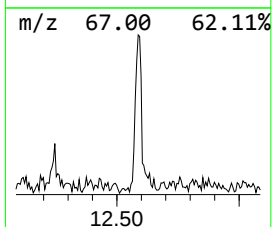
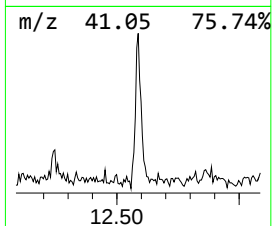
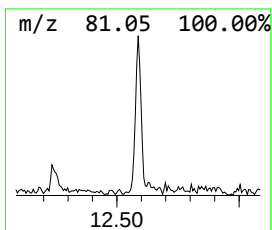
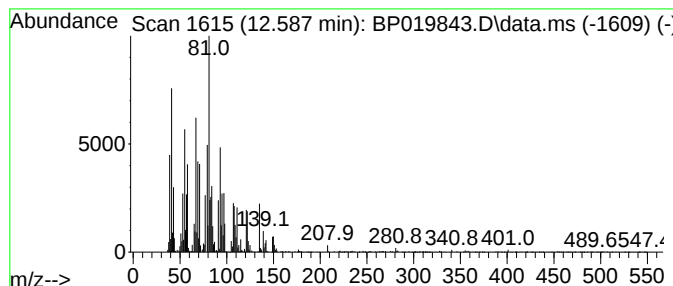
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP013124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 cis-3-Methyl-exo-tricyclo[5... Concentration Rank 5

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 12.587 | 2.82 ng | 64522 | Naphthalene-d8   | 10.704 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | cis-3-Methyl-exo-tricyclo[5.2.1.... | 150 | C11H18      | 1000215-28-9 | 50   |
| 2    |    |   | Succinic acid, hex-4-yn-3-yl 2-m... | 320 | C19H28O4    | 1000391-02-8 | 43   |
| 3    |    |   | Cyclohexene,1-(2-propenyl)-         | 122 | C9H14       | 013511-13-2  | 38   |
| 4    |    |   | Methyl 3-ethoxycarbonyl-2-octylc... | 380 | C23H40O4    | 030689-71-5  | 35   |
| 5    |    |   | Bicyclo[10.1.0]trideca-4,8-diene... | 363 | C20H23Cl2NO | 340696-74-4  | 27   |



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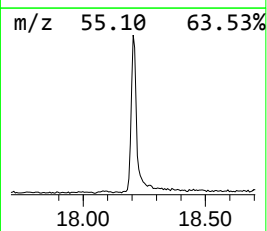
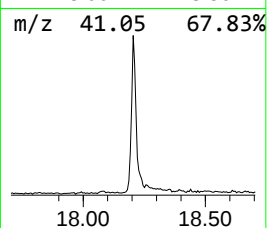
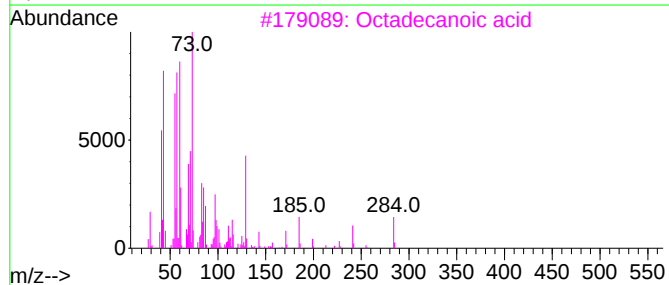
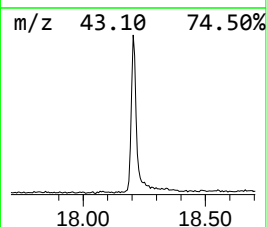
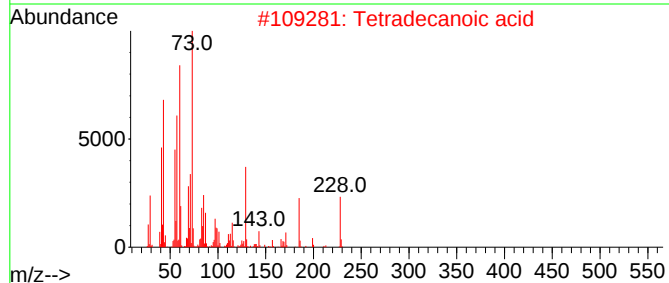
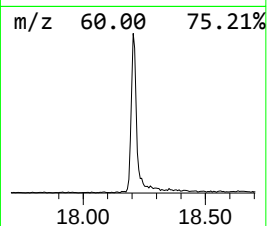
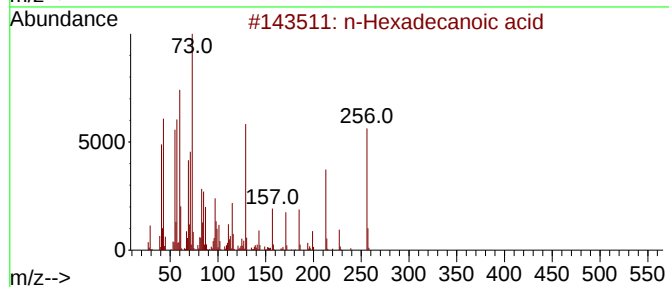
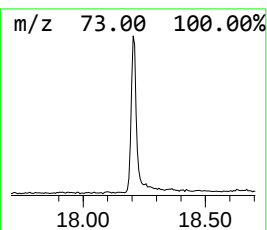
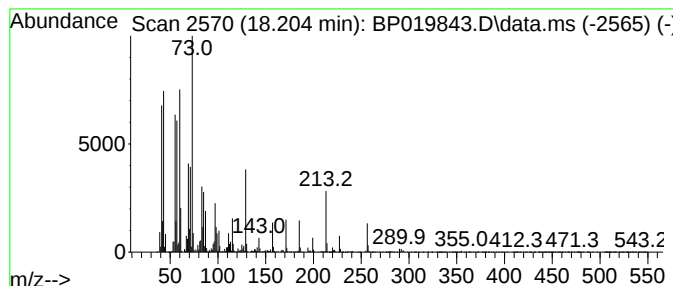
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 n-Hexadecanoic acid Concentration Rank 1

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 18.204 | 18.18 ng | 745528 | Phenanthrene-d10 | 17.304 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 95   |
| 3    |    |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 93   |
| 4    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 91   |
| 5    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 91   |



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Instrument :  
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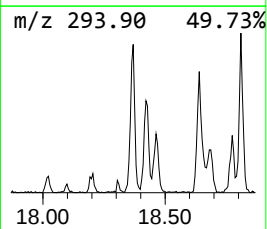
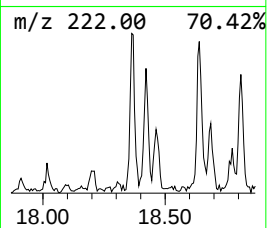
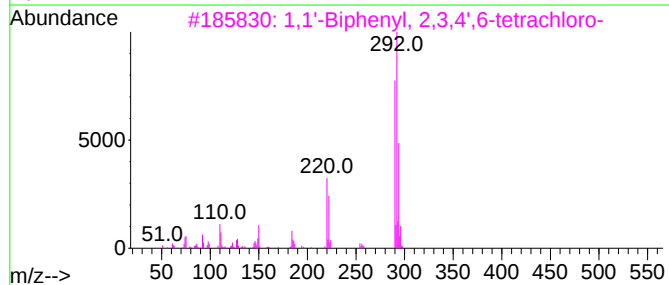
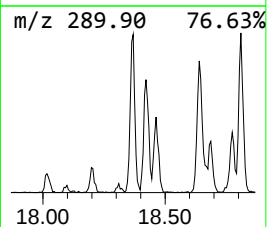
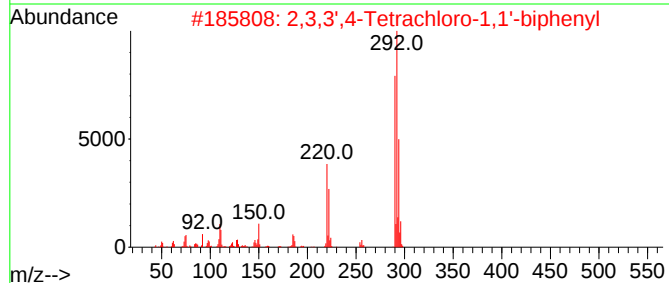
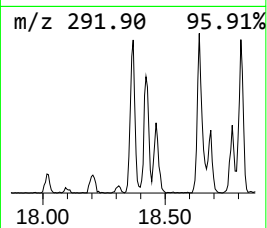
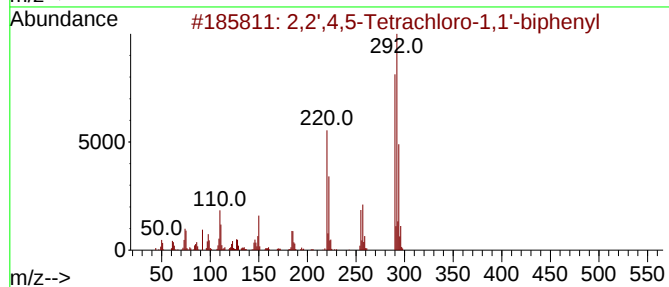
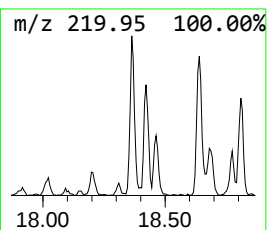
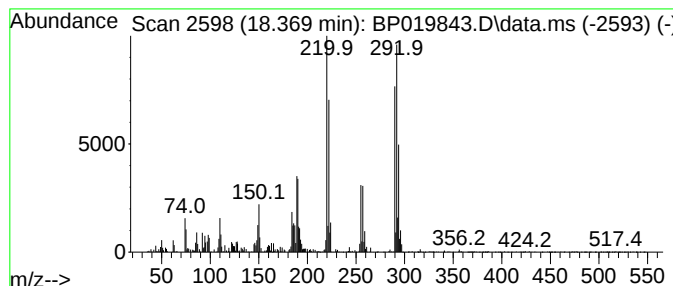
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP013124.M  
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TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 2,2',4,5-Tetrachloro-1,1'-b... Concentration Rank 6

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 18.369 | 2.18 ng | 89453 | Phenanthrene-d10 | 17.304 |

| Hit# | of 5                                | Tentative ID | MW       | MolForm     | CAS# | Qual |
|------|-------------------------------------|--------------|----------|-------------|------|------|
| 1    | 2,2',4,5-Tetrachloro-1,1'-biphenyl  | 290          | C12H6Cl4 | 070362-47-9 | 99   |      |
| 2    | 2,3,3',4-Tetrachloro-1,1'-biphenyl  | 290          | C12H6Cl4 | 074338-24-2 | 99   |      |
| 3    | 1,1'-Biphenyl, 2,3,4',6-tetrachl... | 290          | C12H6Cl4 | 052663-58-8 | 99   |      |
| 4    | Biphenyl, 2,4,4',5-tetrachloro-     | 290          | C12H6Cl4 | 032690-93-0 | 99   |      |
| 5    | 1,1'-Biphenyl, 2,2',3,4'-tetrach... | 290          | C12H6Cl4 | 036559-22-5 | 99   |      |



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Instrument :  
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ClientSampleId :  
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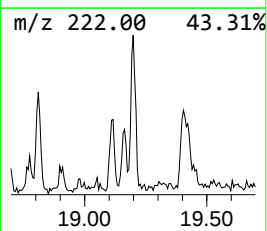
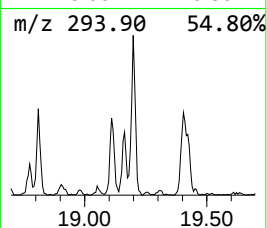
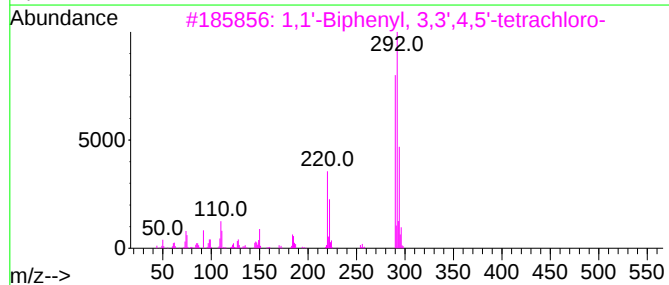
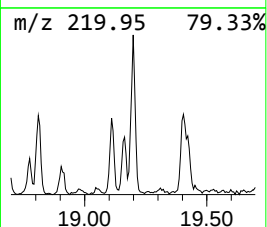
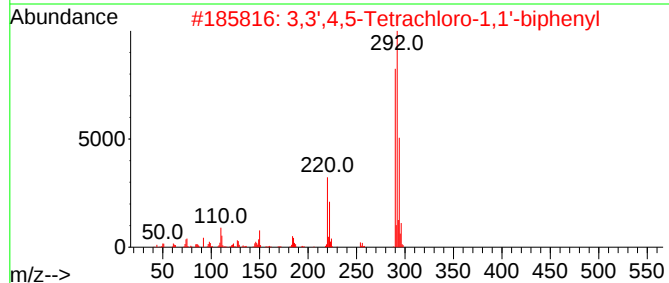
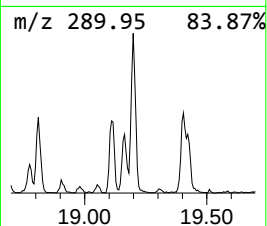
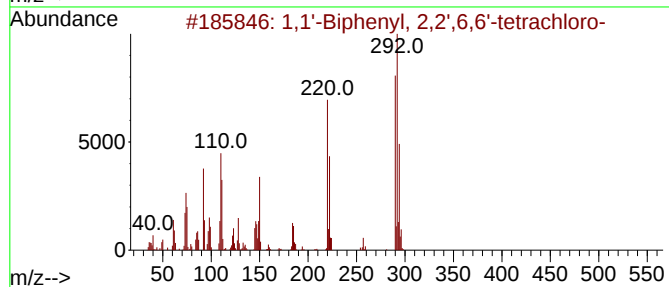
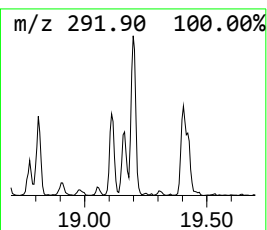
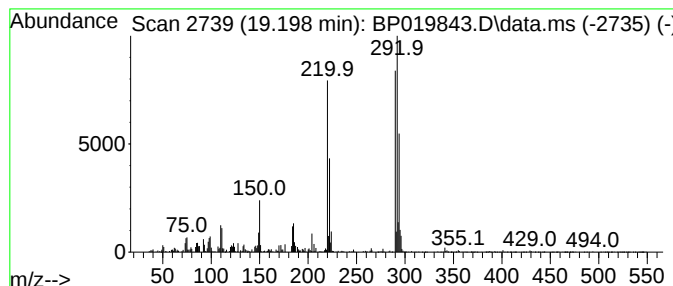
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TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 1,1'-Biphenyl, 2,2',6,6'-te... Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 19.198 | 3.01 ng | 123325 | Phenanthrene-d10 | 17.304 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 1,1'-Biphenyl, 2,2',6,6'-tetrach... | 290 | C12H6Cl4     | 015968-05-5 | 99      |      |      |
| 2    | 3,3',4,5-Tetrachloro-1,1'-biphenyl  | 290 | C12H6Cl4     | 070362-49-1 | 97      |      |      |
| 3    | 1,1'-Biphenyl, 3,3',4,5'-tetrach... | 290 | C12H6Cl4     | 041464-48-6 | 97      |      |      |
| 4    | Biphenyl, 2,4,4',5-tetrachloro-     | 290 | C12H6Cl4     | 032690-93-0 | 97      |      |      |
| 5    | 1,1'-Biphenyl, 2,2',4,5'-tetrach... | 290 | C12H6Cl4     | 041464-40-8 | 96      |      |      |



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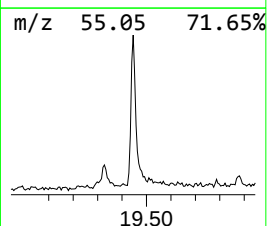
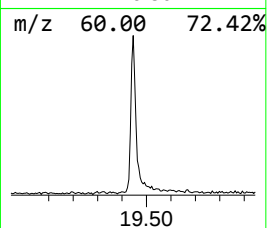
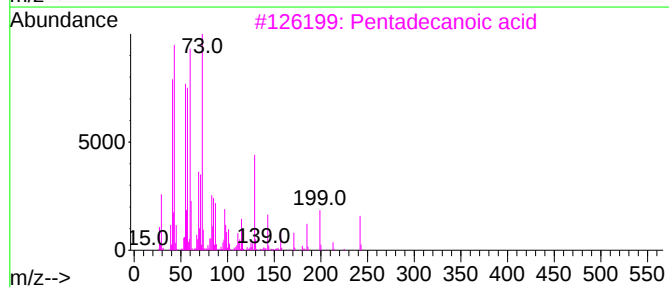
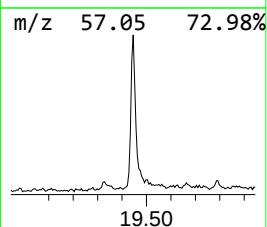
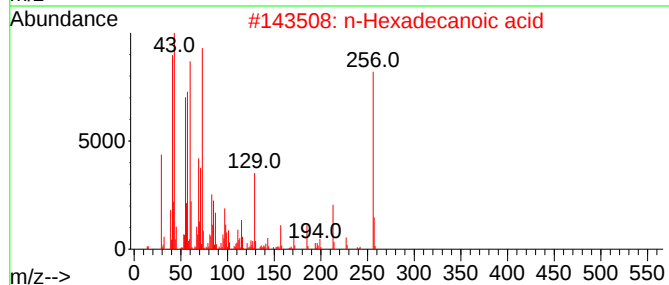
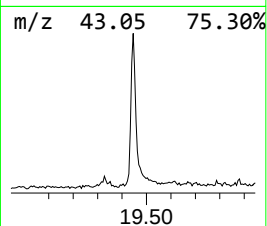
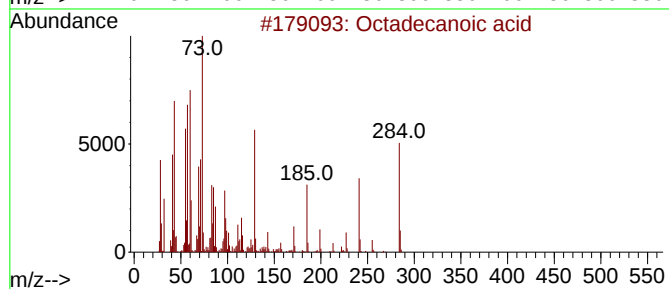
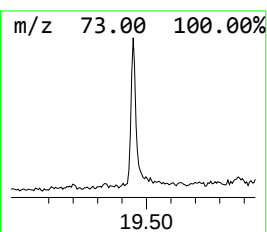
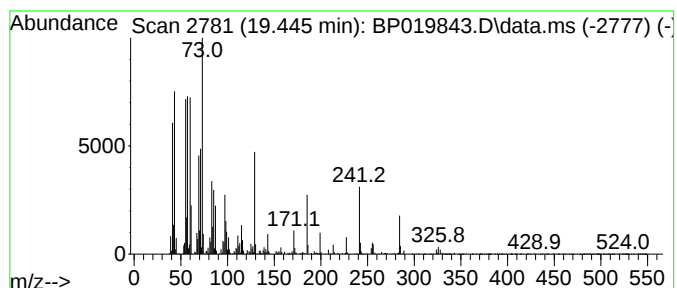
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Octadecanoic acid Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 19.445 | 7.94 ng | 469294 | Chrysene-d12     | 21.416 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 98   |
| 2    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 93   |
| 3    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 70   |
| 4    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 58   |
| 5    |    |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 58   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP022324\  
Data File : BP019843.D  
Acq On : 23 Feb 2024 14:59  
Operator : MA/JU  
Sample : P1318-02  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
CO-11-GRID-2

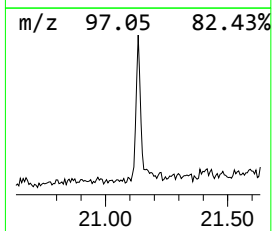
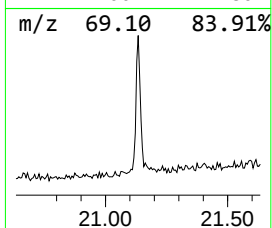
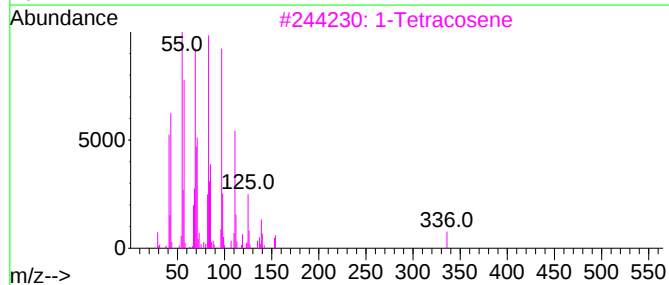
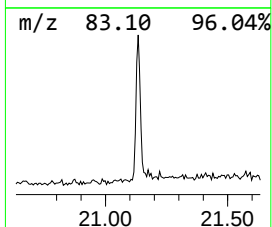
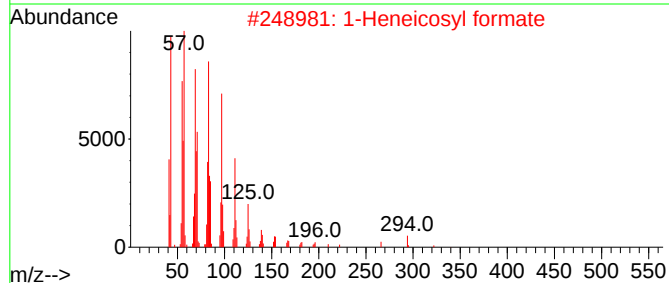
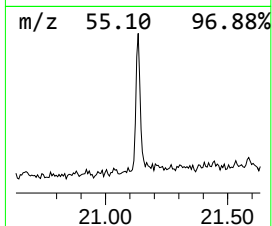
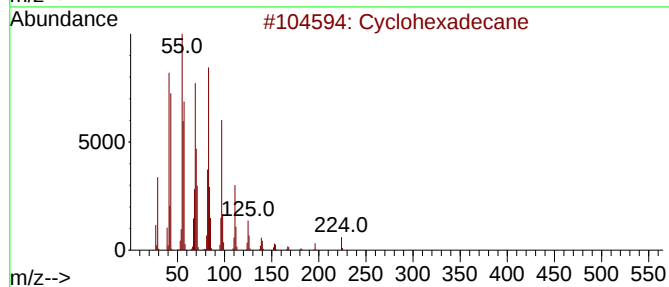
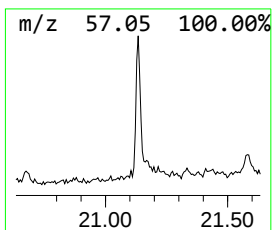
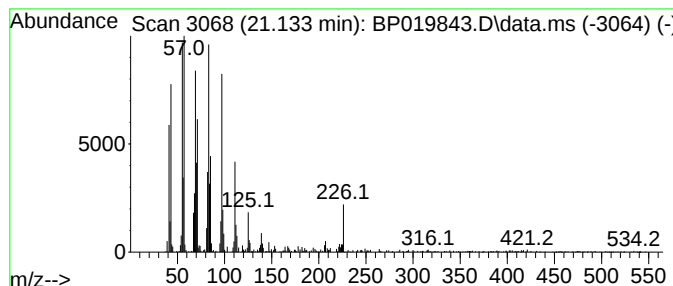
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP013124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Cyclohexadecane Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 21.133 | 4.07 ng | 240858 | Chrysene-d12     | 21.416 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm  | CAS#        | Qual |
|------|----|---|----------------------|-----|----------|-------------|------|
| 1    |    |   | Cyclohexadecane      | 224 | C16H32   | 000295-65-8 | 94   |
| 2    |    |   | 1-Heneicosyl formate | 340 | C22H44O2 | 077899-03-7 | 93   |
| 3    |    |   | 1-Tetracosene        | 336 | C24H48   | 010192-32-2 | 91   |
| 4    |    |   | 1-Hexacosene         | 364 | C26H52   | 018835-33-1 | 90   |
| 5    |    |   | Pentacos-1-ene       | 350 | C25H50   | 016980-85-1 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP022324\  
Data File : BP019843.D  
Acq On : 23 Feb 2024 14:59  
Operator : MA/JU  
Sample : P1318-02  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
CO-11-GRID-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP013124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| cis-3-Methyl-ex... | 12.587 | 2.8     | ng    | 64522    | 2                     | 10.704 | 457557  | 20.0 |
| n-Hexadecanoic ... | 18.204 | 18.2    | ng    | 745528   | 4                     | 17.304 | 820232  | 20.0 |
| 2,2',4,5-Tetrac... | 18.369 | 2.2     | ng    | 89453    | 4                     | 17.304 | 820232  | 20.0 |
| 1,1'-Biphenyl, ... | 19.198 | 3.0     | ng    | 123325   | 4                     | 17.304 | 820232  | 20.0 |
| Octadecanoic acid  | 19.445 | 7.9     | ng    | 469294   | 5                     | 21.416 | 1182660 | 20.0 |
| Cyclohexadecane    | 21.133 | 4.1     | ng    | 240858   | 5                     | 21.416 | 1182660 | 20.0 |