

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092221\  
 Data File : BP007114.D  
 Acq On : 23 Sep 2021 00:17  
 Operator : CG/JU  
 Sample : M3871-02 5X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SS02-BL-(0.0)

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-BP092121.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP007114.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         | 5.469       | 400           | 405         | 413          | rVB      | 629845         | 951189        | 2.88%           | 0.836%        |
| 2         | 7.063       | 669           | 676         | 687          | rBV      | 614811         | 980333        | 2.97%           | 0.862%        |
| 3         | 7.899       | 811           | 818         | 825          | rBV      | 1169313        | 1823625       | 5.52%           | 1.603%        |
| 4         | 9.057       | 1008          | 1015        | 1026         | rBV      | 369312         | 633824        | 1.92%           | 0.557%        |
| 5         | 10.698      | 1286          | 1294        | 1307         | rBV      | 1508762        | 2558024       | 7.74%           | 2.248%        |
| 6         | 13.151      | 1704          | 1711        | 1720         | rVB      | 1158563        | 1689815       | 5.11%           | 1.485%        |
| 7         | 14.528      | 1937          | 1945        | 1950         | rBV      | 2378186        | 3529626       | 10.68%          | 3.102%        |
| 8         | 15.845      | 2164          | 2169        | 2178         | rBV      | 362390         | 544971        | 1.65%           | 0.479%        |
| 9         | 16.010      | 2192          | 2197        | 2203         | rBV      | 852564         | 1206847       | 3.65%           | 1.061%        |
| 10        | 16.069      | 2203          | 2207        | 2218         | rVB      | 424454         | 743597        | 2.25%           | 0.654%        |
| 11        | 16.239      | 2231          | 2236        | 2241         | rBV2     | 274503         | 376299        | 1.14%           | 0.331%        |
| 12        | 16.392      | 2256          | 2262        | 2271         | rBV5     | 148193         | 335065        | 1.01%           | 0.294%        |
| 13        | 16.692      | 2305          | 2313        | 2324         | rBV      | 4315414        | 6733678       | 20.37%          | 5.918%        |
| 14        | 16.892      | 2343          | 2347        | 2358         | rVB      | 568176         | 868734        | 2.63%           | 0.764%        |
| 15        | 17.180      | 2391          | 2396        | 2403         | rBV      | 1171219        | 1792872       | 5.42%           | 1.576%        |
| 16        | 17.245      | 2403          | 2407        | 2408         | rVV      | 441594         | 538995        | 1.63%           | 0.474%        |
| 17        | 17.275      | 2408          | 2412        | 2416         | rVV      | 3172946        | 4350098       | 13.16%          | 3.823%        |
| 18        | 17.322      | 2416          | 2420        | 2424         | rVV2     | 2718671        | 3465491       | 10.48%          | 3.046%        |
| 19        | 17.363      | 2424          | 2427        | 2433         | rVB2     | 829696         | 1195406       | 3.62%           | 1.051%        |
| 20        | 17.457      | 2438          | 2443        | 2448         | rVV      | 2578725        | 3715980       | 11.24%          | 3.266%        |
| 21        | 17.498      | 2448          | 2450        | 2454         | rVV      | 598629         | 905001        | 2.74%           | 0.795%        |
| 22        | 17.533      | 2454          | 2456        | 2470         | rVV2     | 406722         | 857740        | 2.59%           | 0.754%        |
| 23        | 17.663      | 2471          | 2478        | 2488         | rVB3     | 2234499        | 4151981       | 12.56%          | 3.649%        |
| 24        | 18.069      | 2539          | 2547        | 2554         | rBV      | 7528620        | 14093687      | 42.63%          | 12.387%       |
| 25        | 18.204      | 2560          | 2570        | 2587         | rBV      | 14884325       | 33058480      | 100.00%         | 29.055%       |
| 26        | 18.363      | 2593          | 2597        | 2602         | rVB      | 486402         | 643832        | 1.95%           | 0.566%        |
| 27        | 18.698      | 2651          | 2654        | 2657         | rBV      | 296226         | 361501        | 1.09%           | 0.318%        |
| 28        | 18.810      | 2669          | 2673        | 2679         | rBV      | 547071         | 828462        | 2.51%           | 0.728%        |
| 29        | 18.992      | 2700          | 2704        | 2708         | rBV      | 666066         | 875179        | 2.65%           | 0.769%        |
| 30        | 19.145      | 2726          | 2730        | 2734         | rBV      | 798528         | 1077411       | 3.26%           | 0.947%        |
| 31        | 19.263      | 2746          | 2750        | 2751         | rBV2     | 901506         | 1177776       | 3.56%           | 1.035%        |
| 32        | 19.292      | 2751          | 2755        | 2757         | rBV3     | 2367671        | 3649137       | 11.04%          | 3.207%        |
| 33        | 19.398      | 2770          | 2773        | 2782         | rVB      | 1654760        | 2170683       | 6.57%           | 1.908%        |
| 34        | 19.827      | 2842          | 2846        | 2853         | rBV      | 1901371        | 2379623       | 7.20%           | 2.091%        |
| 35        | 21.357      | 3102          | 3106        | 3111         | rVB      | 3355096        | 4333494       | 13.11%          | 3.809%        |
| 36        | 23.774      | 3512          | 3517        | 3526         | rVB2     | 2456460        | 5178743       | 15.67%          | 4.552%        |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092221\  
Data File : BP007114.D  
Acq On : 23 Sep 2021 00:17  
Operator : CG/JU  
Sample : M3871-02 5X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SS02-BL-(0.0)

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-BP092121.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

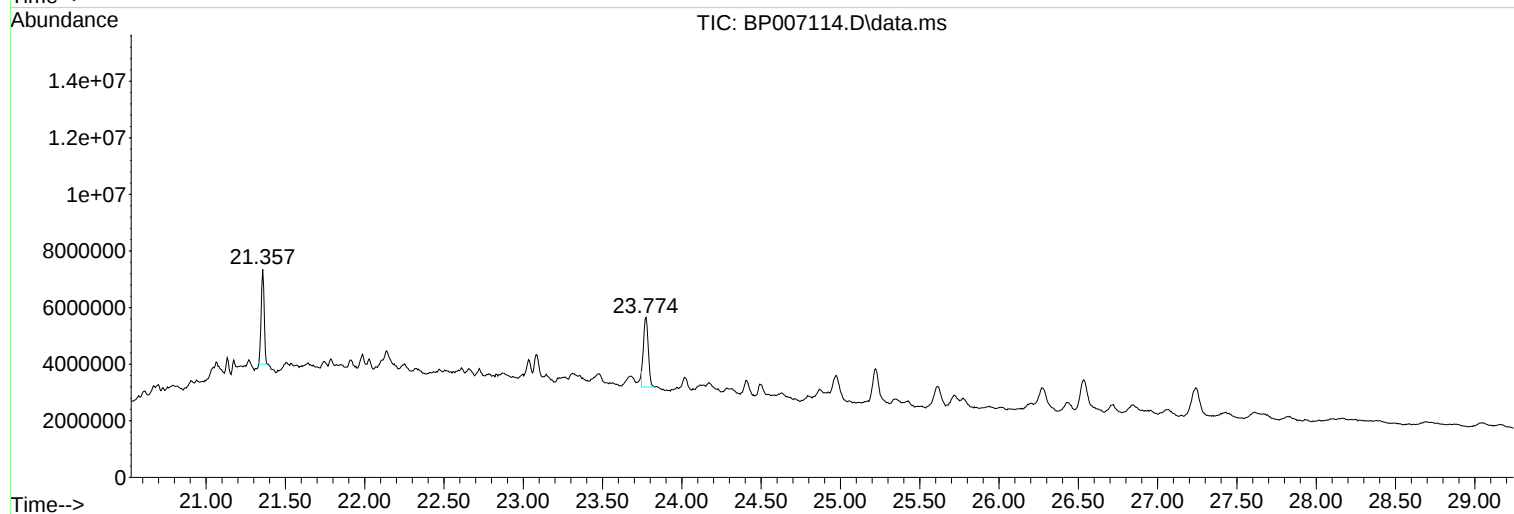
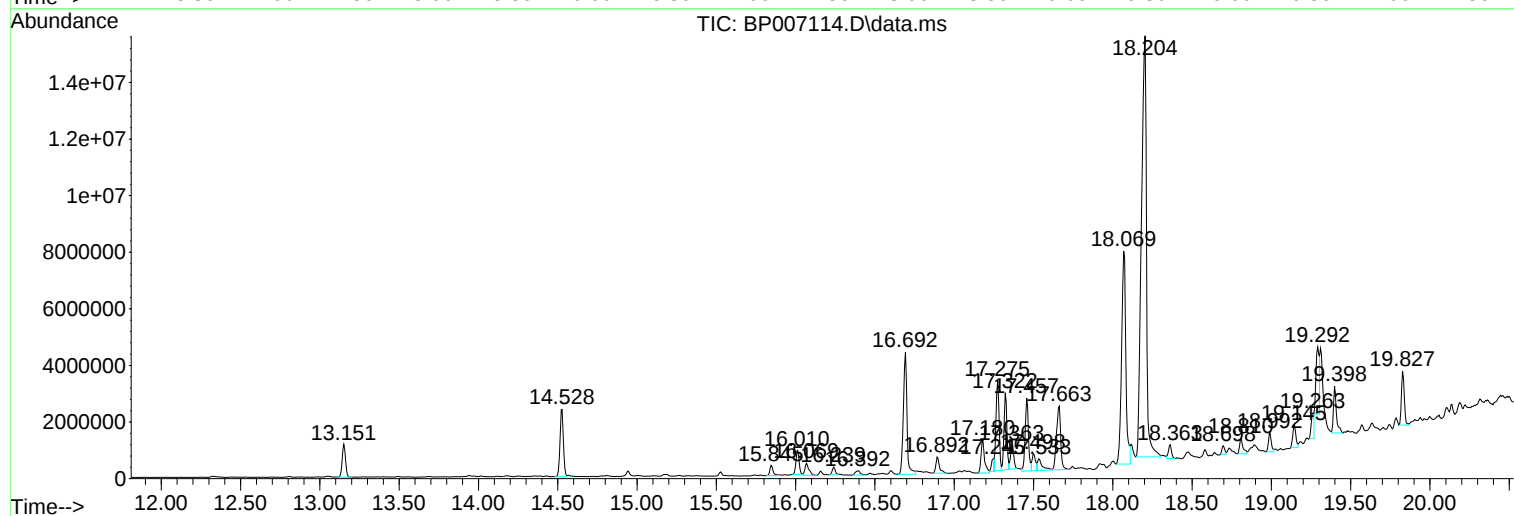
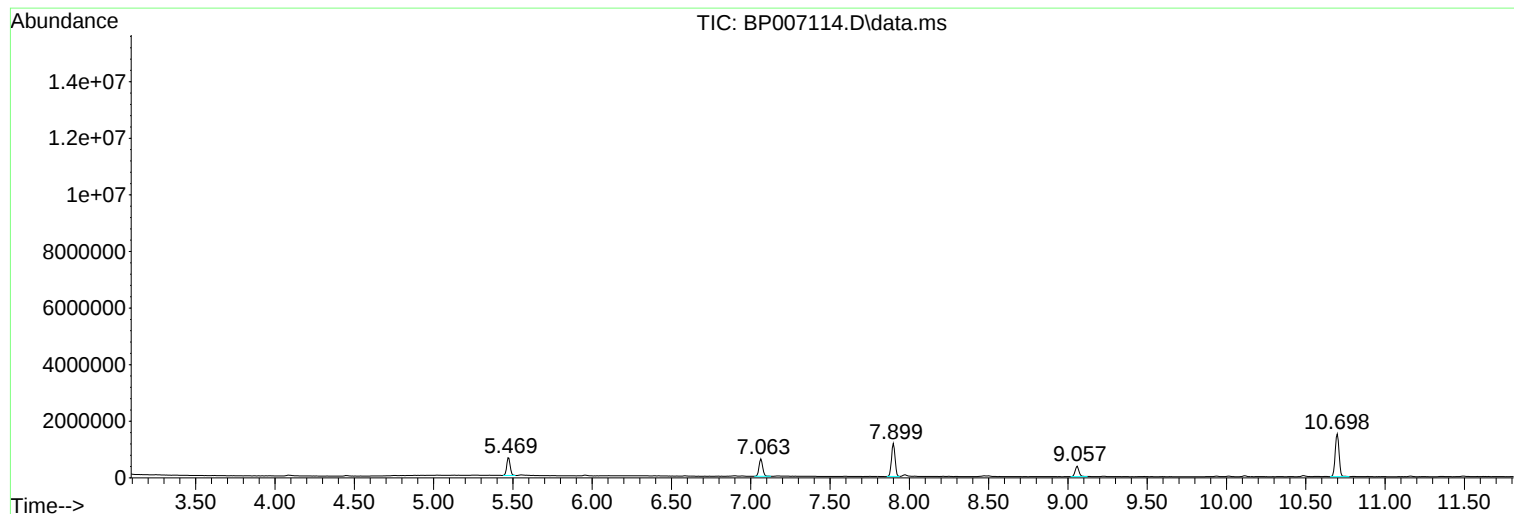
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Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092221\  
Data File : BP007114.D  
Acq On : 23 Sep 2021 00:17  
Operator : CG/JU  
Sample : M3871-02 5X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SS02-BL-(0.0)

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP092121.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092221\  
Data File : BP007114.D  
Acq On : 23 Sep 2021 00:17  
Operator : CG/JU  
Sample : M3871-02 5X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SS02-BL-(0.0)

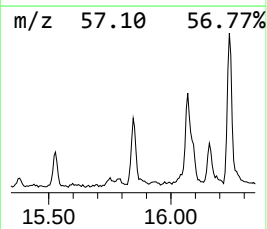
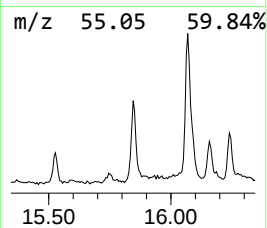
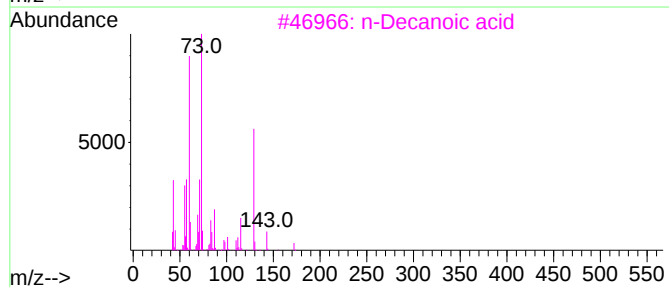
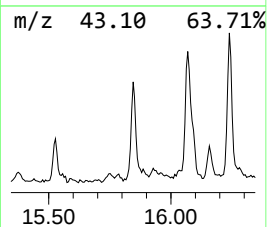
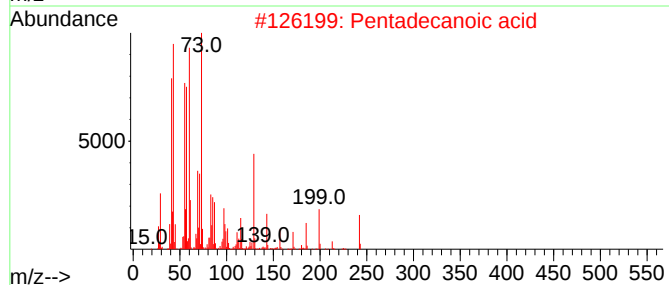
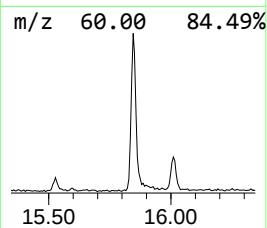
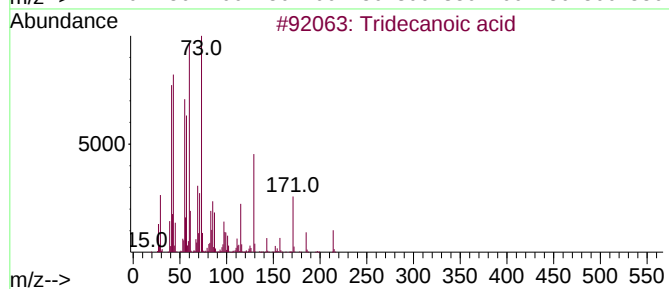
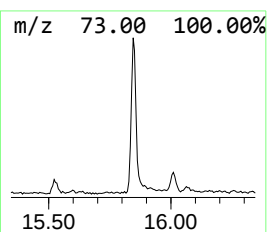
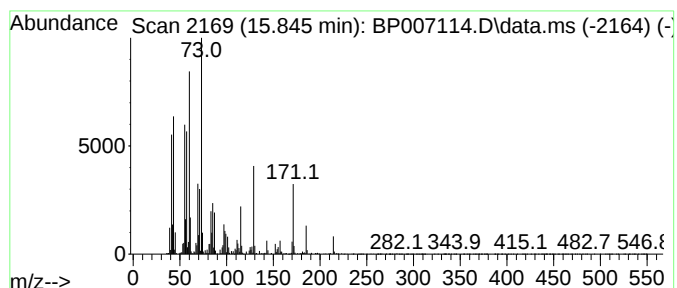
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP092121.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Tridecanoic acid Concentration Rank 18

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.845 | 3.09 ng | 544971 | Acenaphthene-d10 | 14.522 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 99   |
| 2    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 87   |
| 3    |    |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 86   |
| 4    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 80   |
| 5    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 72   |



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Sample : M3871-02 5X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SS02-BL-(0.0)

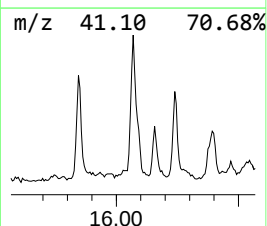
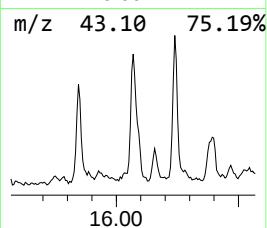
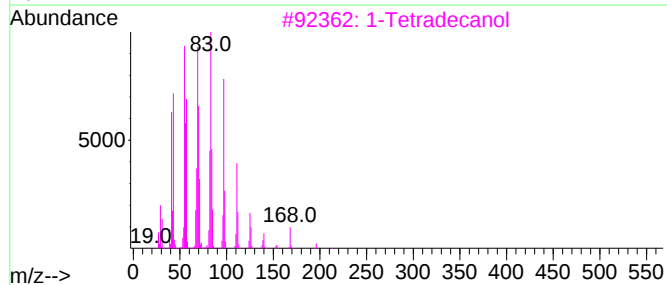
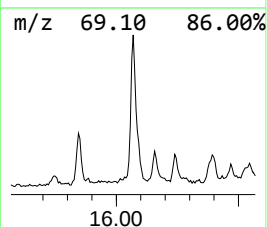
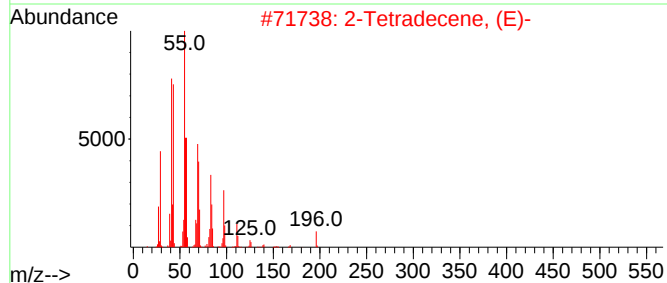
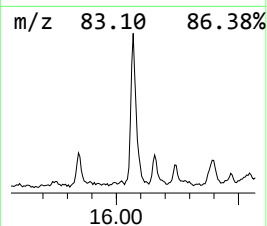
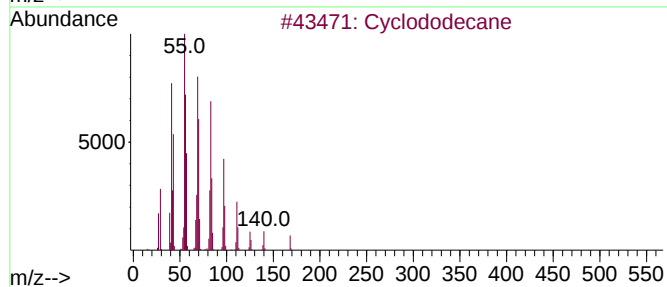
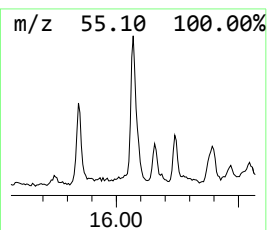
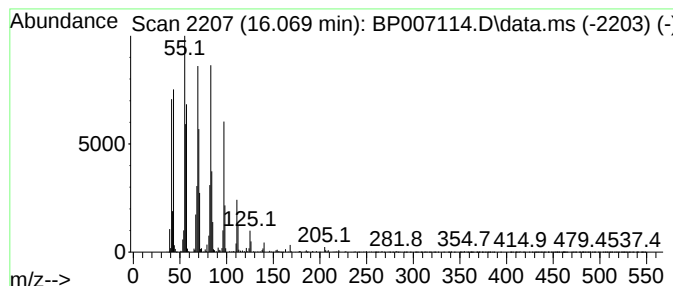
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP092121.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Cyclododecane Concentration Rank 17

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 16.069 | 3.42 ng | 743597 | Phenanthrene-d10 | 17.275 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclododecane       | 168 | C12H24  | 000294-62-2 | 97   |
| 2    |    |   | 2-Tetradecene, (E)- | 196 | C14H28  | 035953-54-9 | 97   |
| 3    |    |   | 1-Tetradecanol      | 214 | C14H30O | 000112-72-1 | 91   |
| 4    |    |   | n-Tridecan-1-ol     | 200 | C13H28O | 000112-70-9 | 91   |
| 5    |    |   | 9-Octadecene, (E)-  | 252 | C18H36  | 007206-25-9 | 91   |



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Sample : M3871-02 5X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SS02-BL-(0.0)

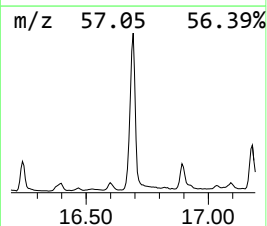
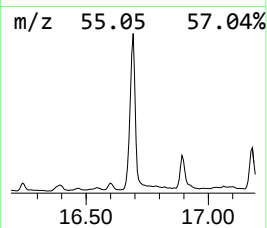
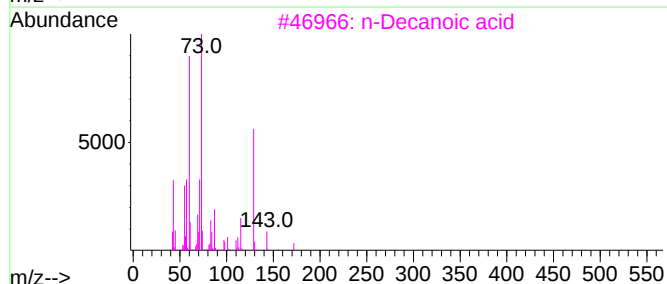
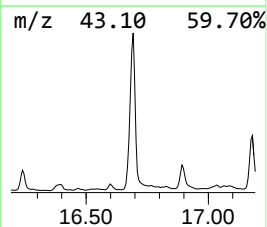
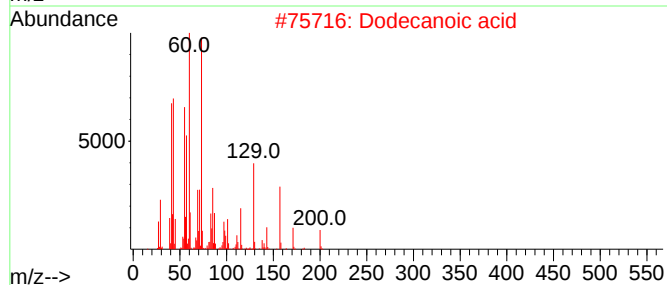
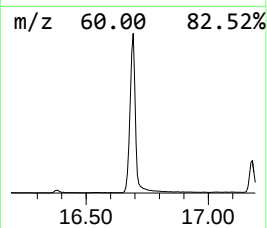
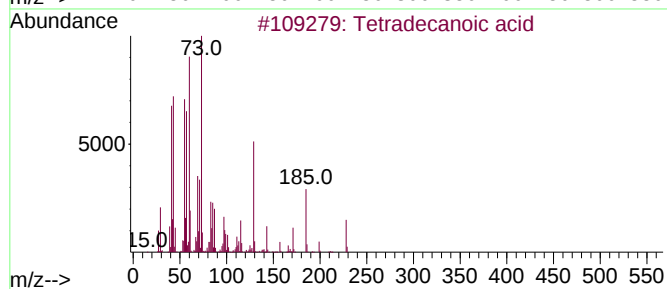
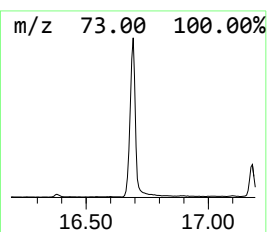
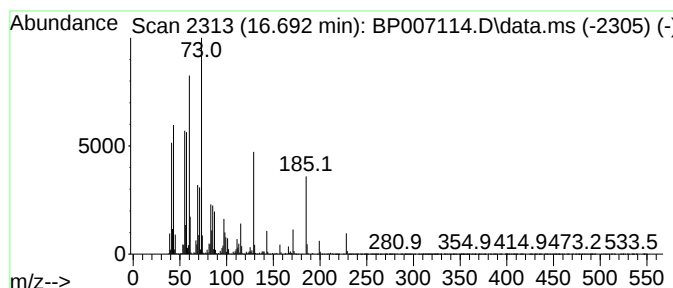
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP092121.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Tetradecanoic acid Concentration Rank 3

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 16.692 | 30.96 ng | 6733680 | Phenanthrene-d10 | 17.275 |

| Hit# | of | 5 | Tentative ID       | MW  | MolForm  | CAS#        | Qual |
|------|----|---|--------------------|-----|----------|-------------|------|
| 1    |    |   | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 98   |
| 2    |    |   | Dodecanoic acid    | 200 | C12H24O2 | 000143-07-7 | 80   |
| 3    |    |   | n-Decanoic acid    | 172 | C10H20O2 | 000334-48-5 | 70   |
| 4    |    |   | Tridecanoic acid   | 214 | C13H26O2 | 000638-53-9 | 64   |
| 5    |    |   | Undecanoic acid    | 186 | C11H22O2 | 000112-37-8 | 62   |



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Sample : M3871-02 5X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SS02-BL-(0.0)

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP092121.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

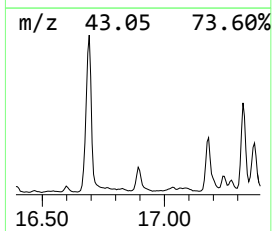
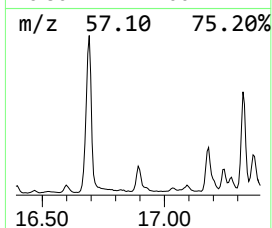
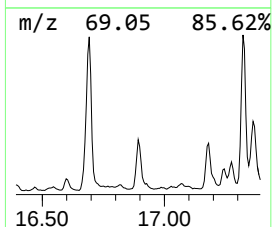
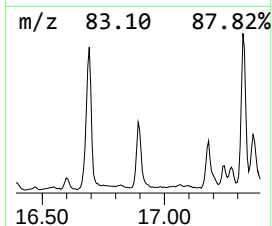
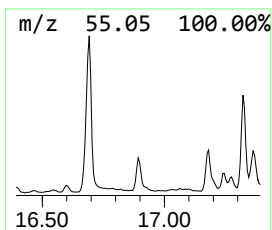
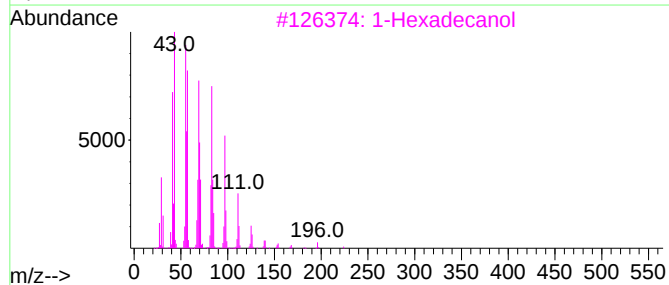
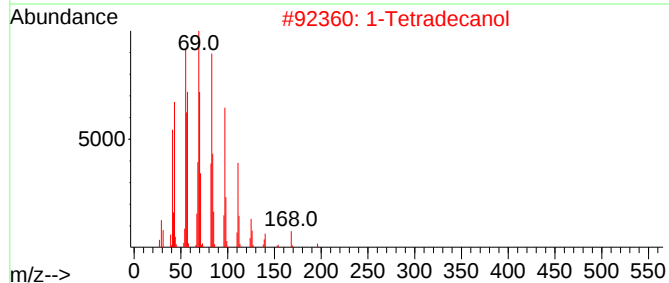
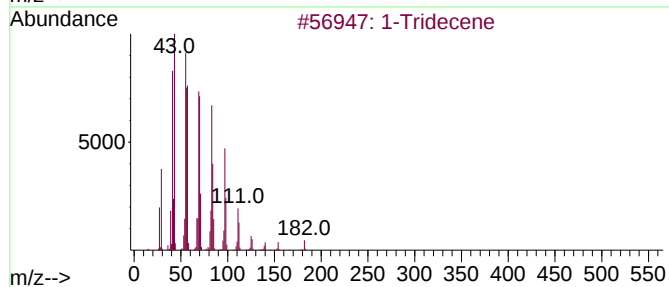
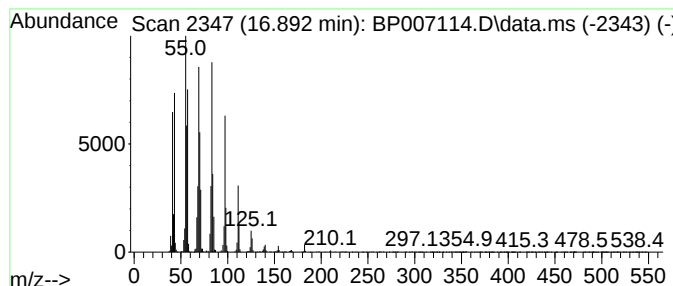
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 1-Tridecene Concentration Rank 14

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 16.892 | 3.99 ng | 868734 | Phenanthrene-d10 | 17.275 |

| Hit# | of | 5 | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------|-----|---------|-------------|------|
| 1    |    |   | 1-Tridecene        | 182 | C13H26  | 002437-56-1 | 95   |
| 2    |    |   | 1-Tetradecanol     | 214 | C14H30O | 000112-72-1 | 94   |
| 3    |    |   | 1-Hexadecanol      | 242 | C16H34O | 036653-82-4 | 94   |
| 4    |    |   | n-Tridecan-1-ol    | 200 | C13H28O | 000112-70-9 | 91   |
| 5    |    |   | 5-Octadecene, (E)- | 252 | C18H36  | 007206-21-5 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092221\  
Data File : BP007114.D  
Acq On : 23 Sep 2021 00:17  
Operator : CG/JU  
Sample : M3871-02 5X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SS02-BL-(0.0)

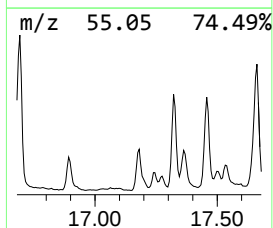
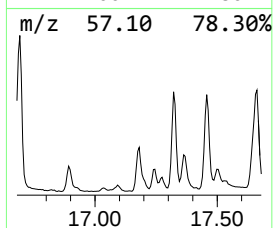
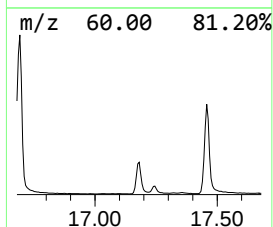
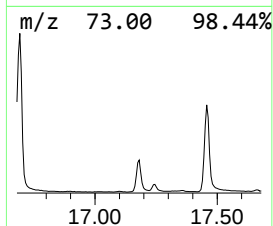
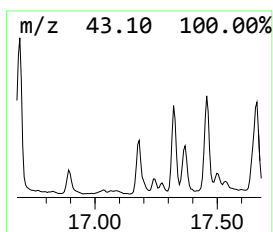
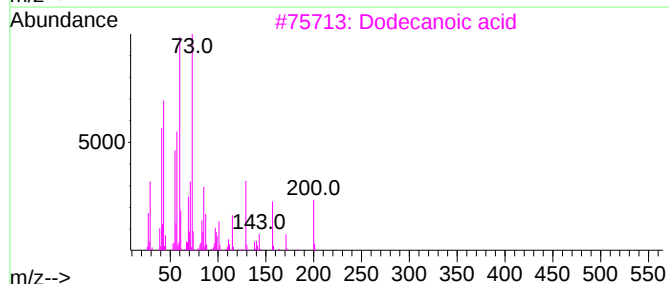
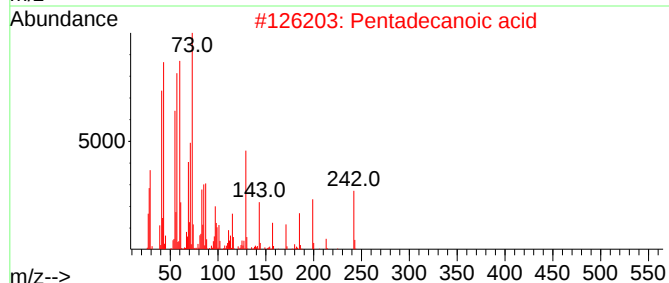
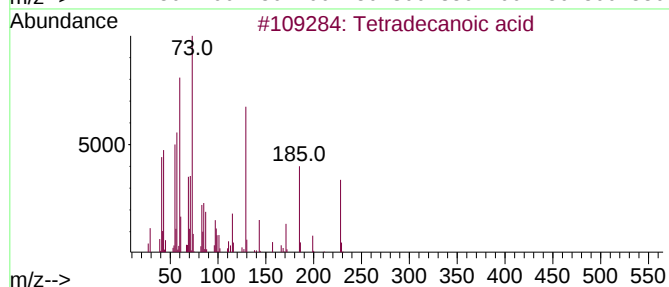
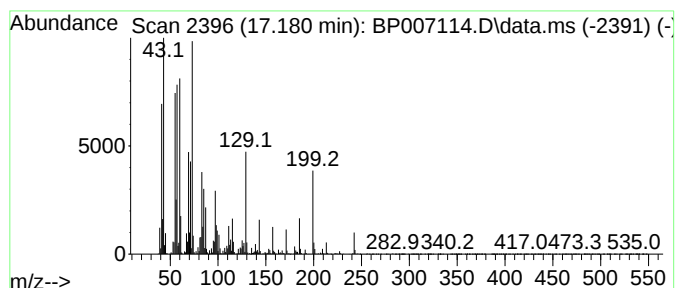
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 Pentadecanoic acid Concentration Rank 8

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 17.180 | 8.24 ng | 1792870 | Phenanthrene-d10 | 17.275 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm    | CAS#        | Qual |
|------|----|---|-------------------------|-----|------------|-------------|------|
| 1    |    |   | Tetradecanoic acid      | 228 | C14H28O2   | 000544-63-8 | 95   |
| 2    |    |   | Pentadecanoic acid      | 242 | C15H30O2   | 001002-84-2 | 81   |
| 3    |    |   | Dodecanoic acid         | 200 | C12H24O2   | 000143-07-7 | 64   |
| 4    |    |   | 8-Methylnonanoic acid   | 172 | C10H20O2   | 005963-14-4 | 55   |
| 5    |    |   | 12-Bromododecanoic acid | 278 | C12H23BrO2 | 073367-80-3 | 53   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092221\  
Data File : BP007114.D  
Acq On : 23 Sep 2021 00:17  
Operator : CG/JU  
Sample : M3871-02 5X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SS02-BL-(0.0)

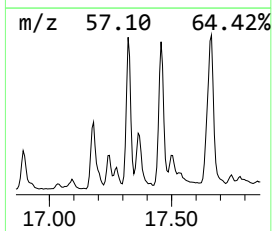
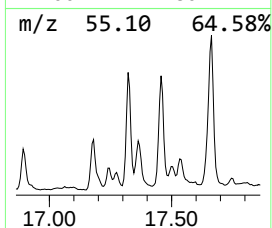
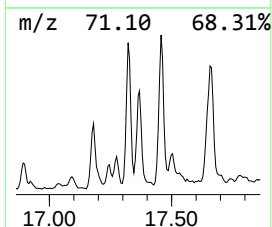
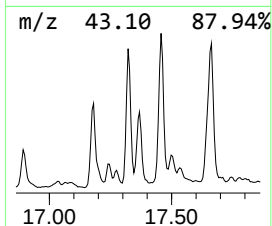
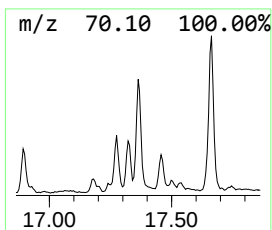
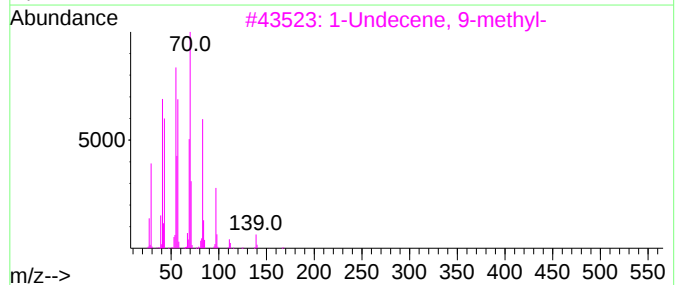
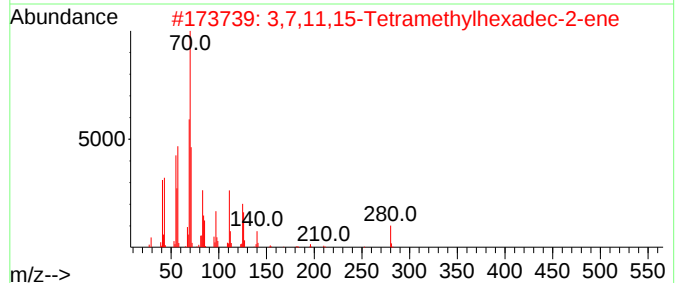
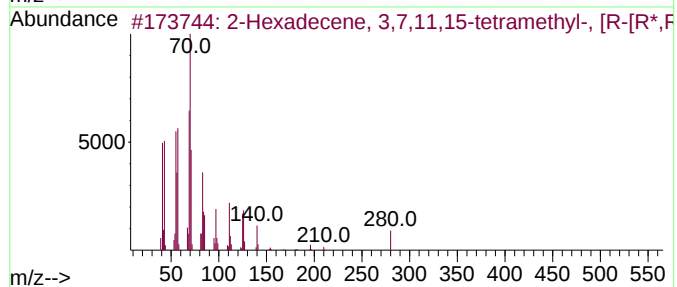
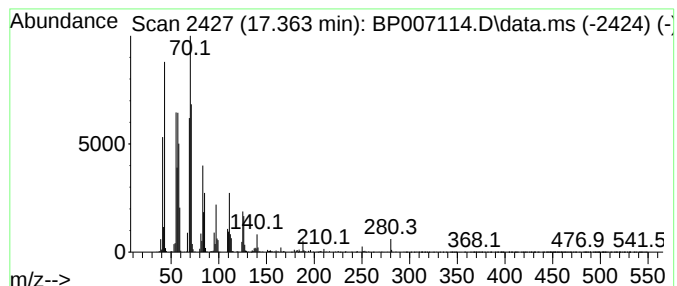
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 2-Hexadecene, 3,7,11,15-tet... Concentration Rank 9

| R.T.      | EstConc                             | Area    | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|---------|------------------|--------------|------|
| 17.363    | 5.50 ng                             | 1195410 | Phenanthrene-d10 | 17.275       |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm          | CAS#         | Qual |
| 1         | 2-Hexadecene, 3,7,11,15-tetramet... | 280     | C20H40           | 014237-73-1  | 92   |
| 2         | 3,7,11,15-Tetramethylhexadec-2-ene  | 280     | C20H40           | 002437-93-6  | 86   |
| 3         | 1-Undecene, 9-methyl-               | 168     | C12H24           | 074630-41-4  | 60   |
| 4         | 1-Decene, 8-methyl-                 | 154     | C11H22           | 061142-79-8  | 43   |
| 5         | Cyclohexadecane, 1,2-diethyl-       | 280     | C20H40           | 1000155-85-3 | 41   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092221\  
Data File : BP007114.D  
Acq On : 23 Sep 2021 00:17  
Operator : CG/JU  
Sample : M3871-02 5X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SS02-BL-(0.0)

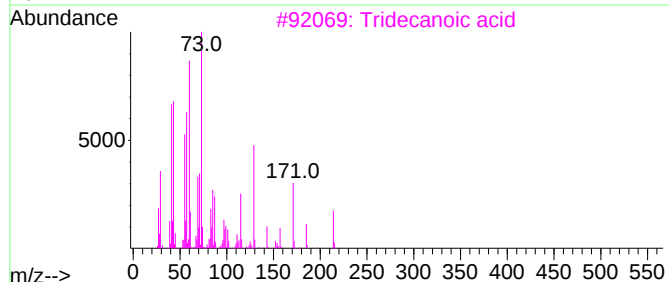
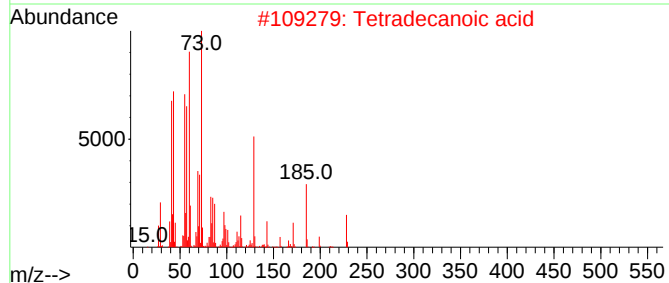
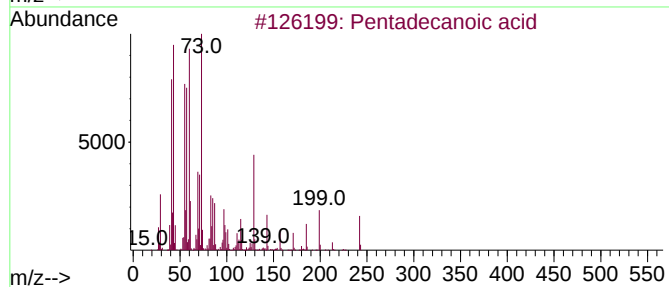
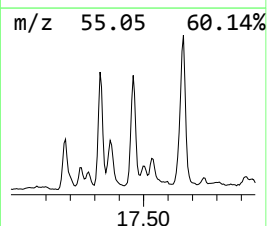
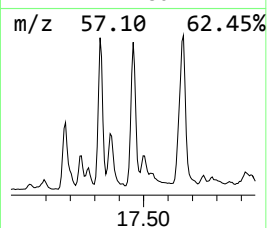
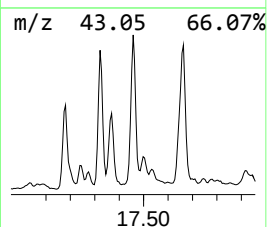
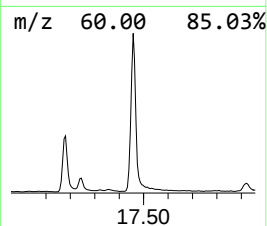
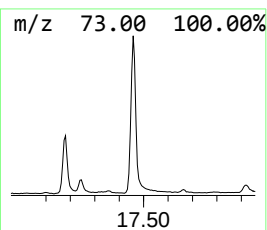
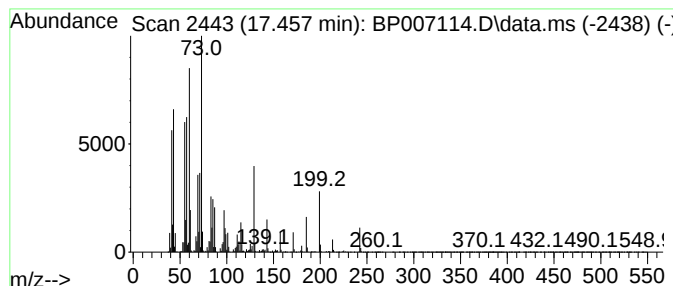
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 Dodecanoic acid Concentration Rank 5

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 17.457 | 17.08 ng | 3715980 | Phenanthrene-d10 | 17.275 |

| Hit# | of | 5 | Tentative ID       | MW  | MolForm  | CAS#        | Qual |
|------|----|---|--------------------|-----|----------|-------------|------|
| 1    |    |   | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 99   |
| 2    |    |   | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 87   |
| 3    |    |   | Tridecanoic acid   | 214 | C13H26O2 | 000638-53-9 | 80   |
| 4    |    |   | Dodecanoic acid    | 200 | C12H24O2 | 000143-07-7 | 76   |
| 5    |    |   | n-Decanoic acid    | 172 | C10H20O2 | 000334-48-5 | 58   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092221\  
Data File : BP007114.D  
Acq On : 23 Sep 2021 00:17  
Operator : CG/JU  
Sample : M3871-02 5X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SS02-BL-(0.0)

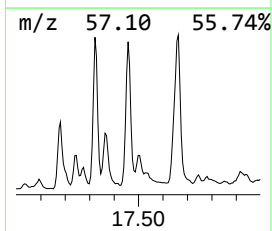
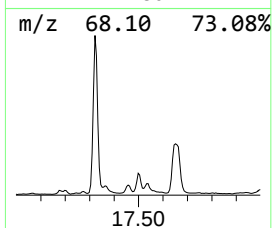
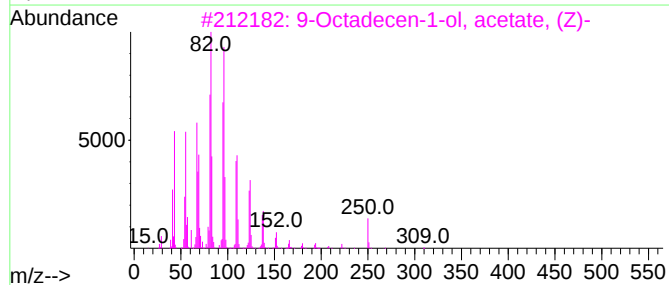
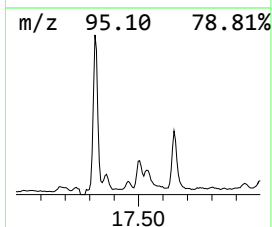
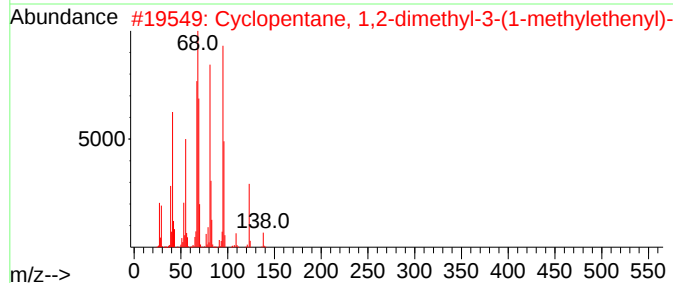
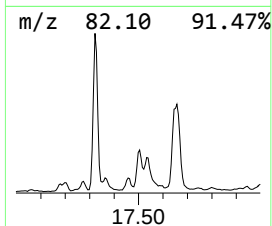
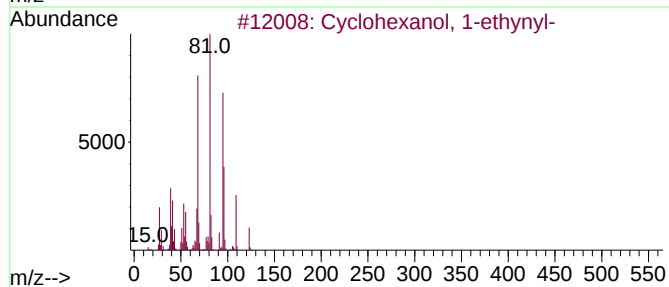
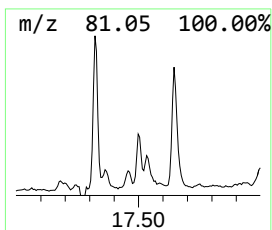
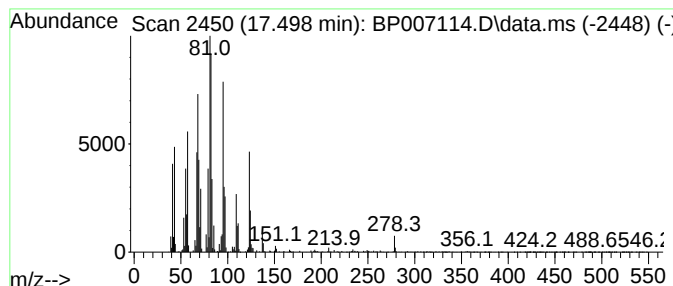
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 unknown17.498 Concentration Rank 12

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 17.498 | 4.16 ng | 905001 | Phenanthrene-d10 | 17.275 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Cyclohexanol, 1-ethynyl-            | 124 | C8H12O   | 000078-27-3 | 47   |
| 2    |    |   | Cyclopentane, 1,2-dimethyl-3-(1-... | 138 | C10H18   | 006983-03-5 | 42   |
| 3    |    |   | 9-Octadecen-1-ol, acetate, (Z)-     | 310 | C20H38O2 | 000693-80-1 | 30   |
| 4    |    |   | Neophytadiene                       | 278 | C20H38   | 000504-96-1 | 25   |
| 5    |    |   | Cyclohexene,1-propyl-               | 124 | C9H16    | 002539-75-5 | 25   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092221\  
Data File : BP007114.D  
Acq On : 23 Sep 2021 00:17  
Operator : CG/JU  
Sample : M3871-02 5X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SS02-BL-(0.0)

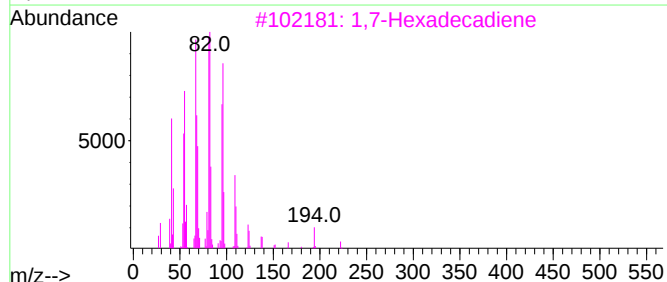
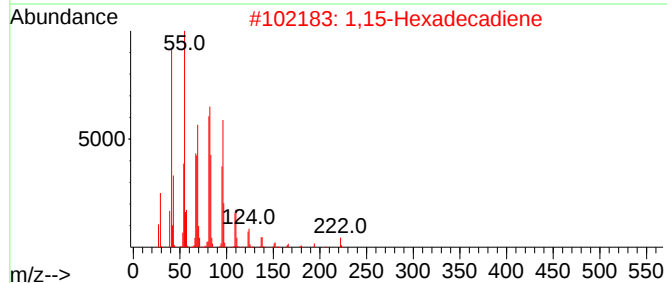
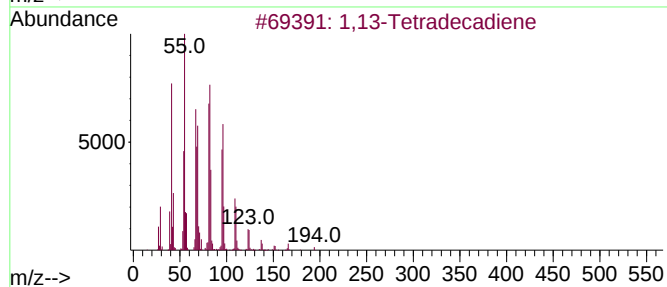
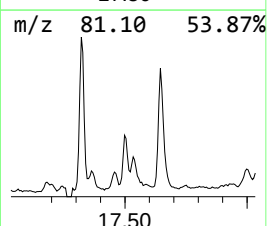
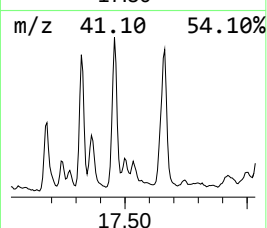
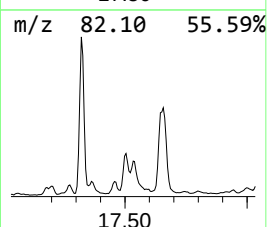
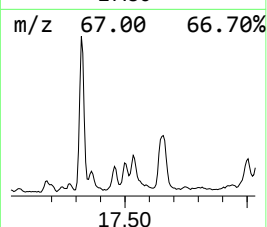
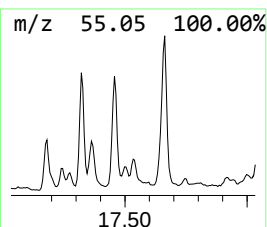
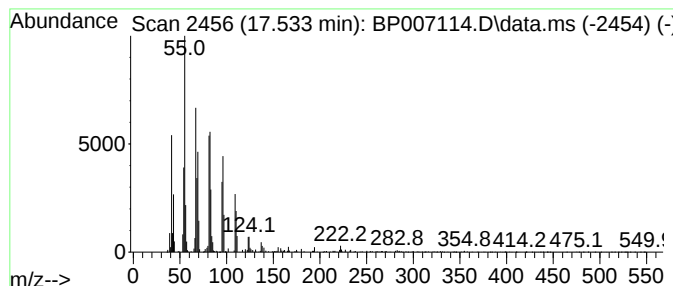
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 1,13-Tetradecadiene Concentration Rank 15

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 17.533 | 3.94 ng | 857740 | Phenanthrene-d10 | 17.275 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------|-----|---------|--------------|------|
| 1    |    |   | 1,13-Tetradecadiene     | 194 | C14H26  | 021964-49-8  | 98   |
| 2    |    |   | 1,15-Hexadecadiene      | 222 | C16H30  | 021964-51-2  | 95   |
| 3    |    |   | 1,7-Hexadecadiene       | 222 | C16H30  | 125110-62-5  | 93   |
| 4    |    |   | (Z)6-Pentadecen-1-ol    | 226 | C15H30O | 068797-95-5  | 91   |
| 5    |    |   | (Z)-10-Pentadecene-1-ol | 226 | C15H30O | 1000426-92-1 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092221\  
Data File : BP007114.D  
Acq On : 23 Sep 2021 00:17  
Operator : CG/JU  
Sample : M3871-02 5X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SS02-BL-(0.0)

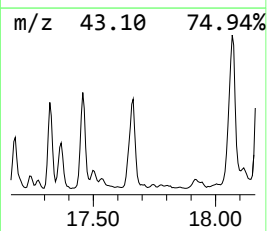
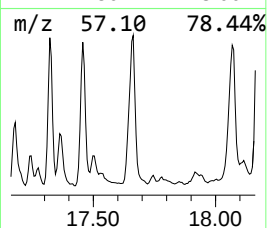
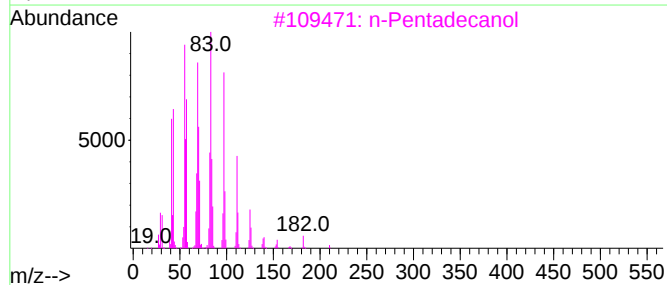
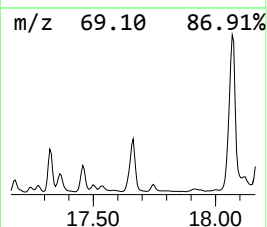
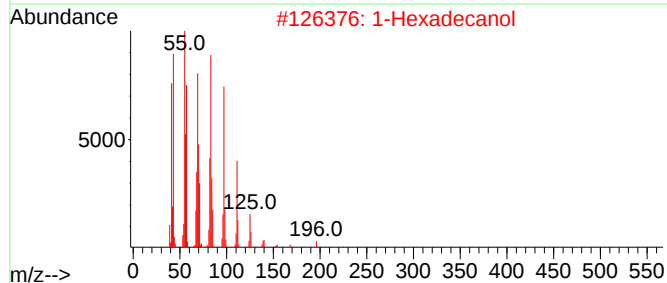
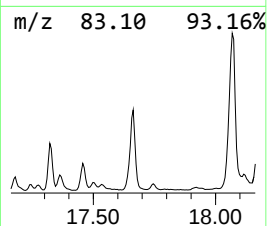
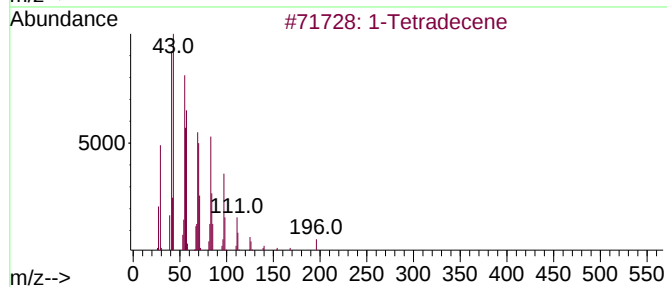
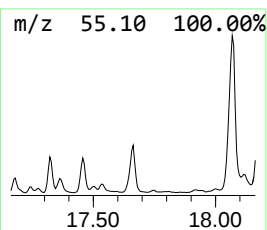
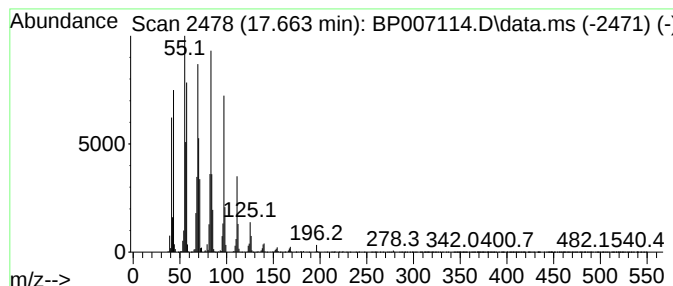
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 1-Tetradecene Concentration Rank 4

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 17.663 | 19.09 ng | 4151980 | Phenanthrene-d10 | 17.275 |

| Hit# | of 5 | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|------|------------------|-----|---------|-------------|------|
| 1    |      | 1-Tetradecene    | 196 | C14H28  | 001120-36-1 | 96   |
| 2    |      | 1-Hexadecanol    | 242 | C16H34O | 036653-82-4 | 95   |
| 3    |      | n-Pentadecanol   | 228 | C15H32O | 000629-76-5 | 95   |
| 4    |      | 1-Octadecanol    | 270 | C18H38O | 000112-92-5 | 95   |
| 5    |      | Cyclotetradecane | 196 | C14H28  | 000295-17-0 | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092221\  
Data File : BP007114.D  
Acq On : 23 Sep 2021 00:17  
Operator : CG/JU  
Sample : M3871-02 5X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SS02-BL-(0.0)

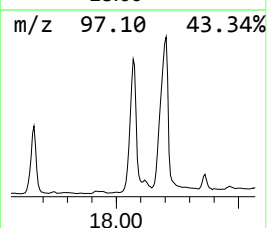
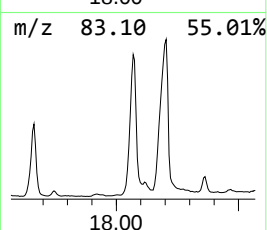
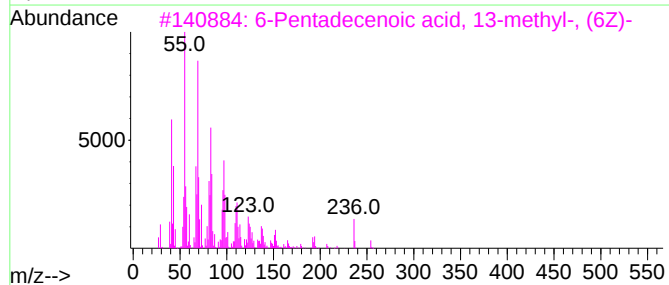
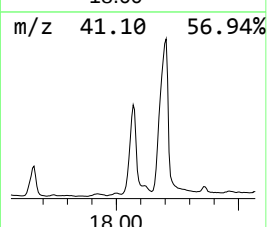
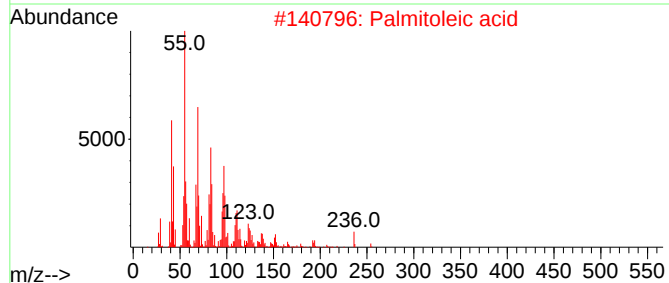
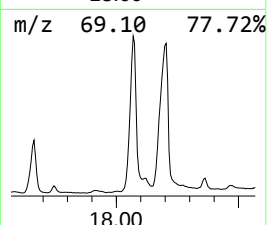
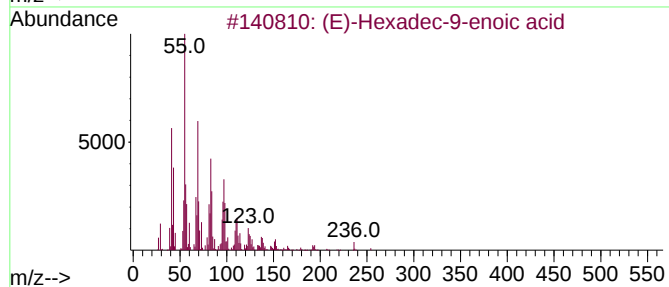
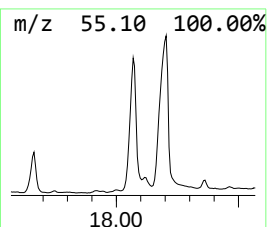
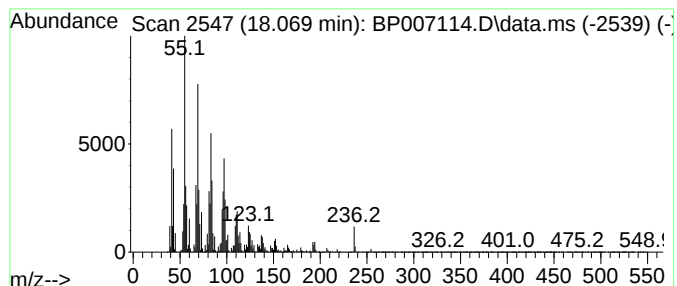
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 (E)-Hexadec-9-enoic acid Concentration Rank 2

| R.T.      | EstConc                             | Area     | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|----------|------------------|-------------|------|
| 18.069    | 64.80 ng                            | 14093700 | Phenanthrene-d10 | 17.275      |      |
| Hit# of 5 | Tentative ID                        | MW       | MolForm          | CAS#        | Qual |
| 1         | (E)-Hexadec-9-enoic acid            | 254      | C16H30O2         | 010030-73-6 | 99   |
| 2         | Palmitoleic acid                    | 254      | C16H30O2         | 000373-49-9 | 99   |
| 3         | 6-Pentadecenoic acid, 13-methyl-... | 254      | C16H30O2         | 682751-34-4 | 93   |
| 4         | cis-7-Hexadecenoic acid             | 254      | C16H30O2         | 002416-19-5 | 90   |
| 5         | 9-Hexadecenoic acid                 | 254      | C16H30O2         | 002091-29-4 | 78   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092221\  
Data File : BP007114.D  
Acq On : 23 Sep 2021 00:17  
Operator : CG/JU  
Sample : M3871-02 5X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

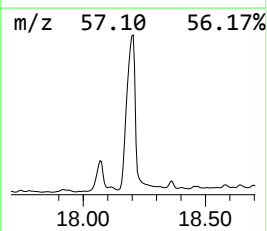
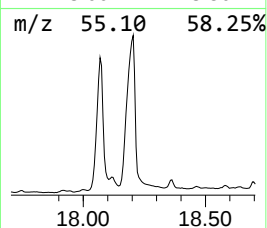
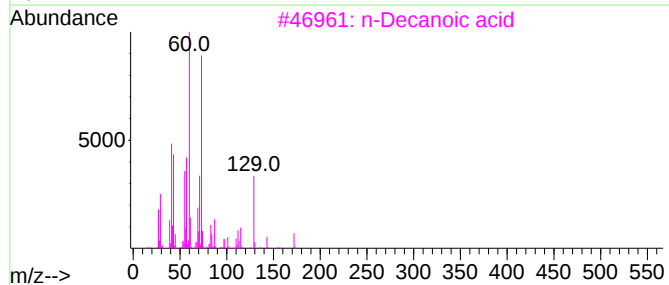
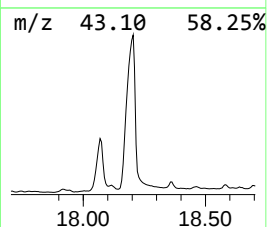
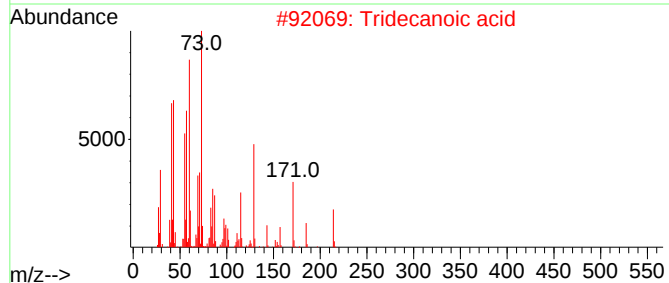
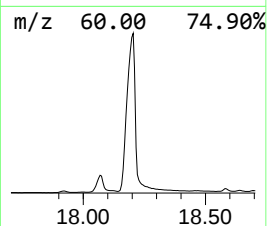
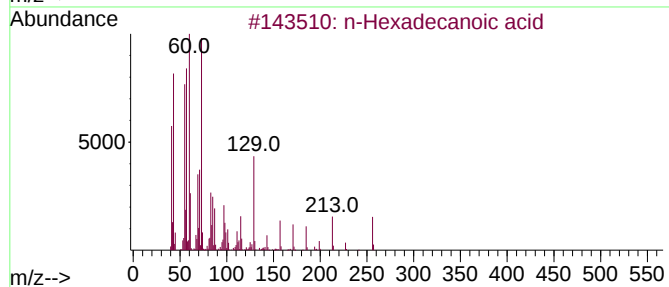
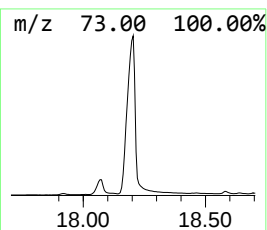
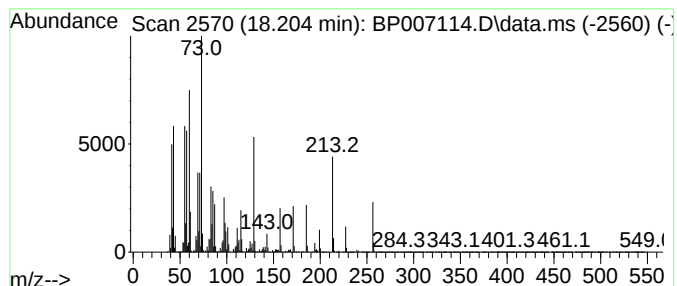
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 n-Hexadecanoic acid Concentration Rank 1

| R.T.      | EstConc             | Area     | Relative to ISTD |          | R.T.        |      |
|-----------|---------------------|----------|------------------|----------|-------------|------|
| 18.204    | 151.99 ng           | 33058500 | Phenanthrene-d10 |          | 17.275      |      |
| Hit# of 5 | Tentative ID        |          | MW               | MolForm  | CAS#        | Qual |
| 1         | n-Hexadecanoic acid |          | 256              | C16H32O2 | 000057-10-3 | 99   |
| 2         | Tridecanoic acid    |          | 214              | C13H26O2 | 000638-53-9 | 92   |
| 3         | n-Decanoic acid     |          | 172              | C10H20O2 | 000334-48-5 | 62   |
| 4         | Tetradecanoic acid  |          | 228              | C14H28O2 | 000544-63-8 | 49   |
| 5         | Pentadecanoic acid  |          | 242              | C15H30O2 | 001002-84-2 | 49   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092221\  
Data File : BP007114.D  
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Operator : CG/JU  
Sample : M3871-02 5X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

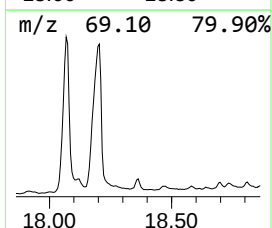
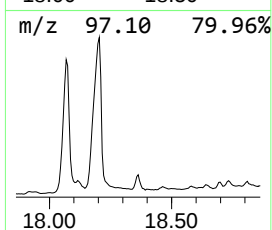
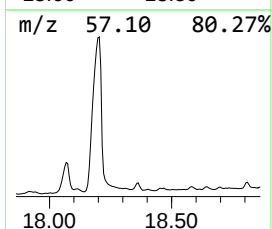
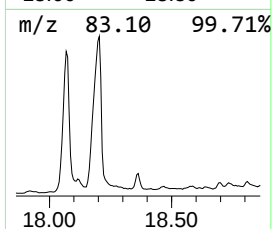
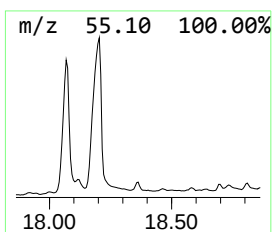
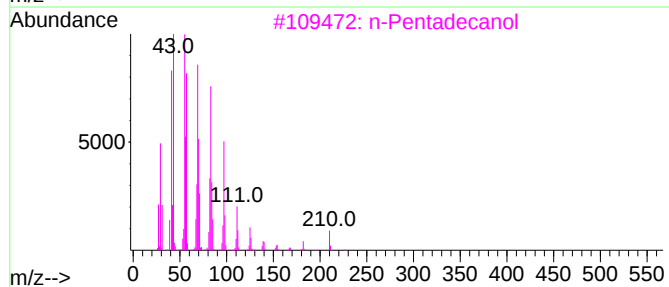
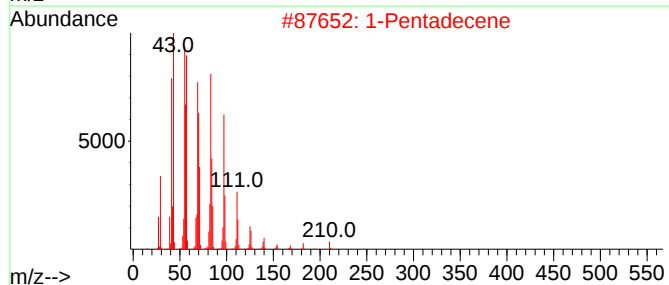
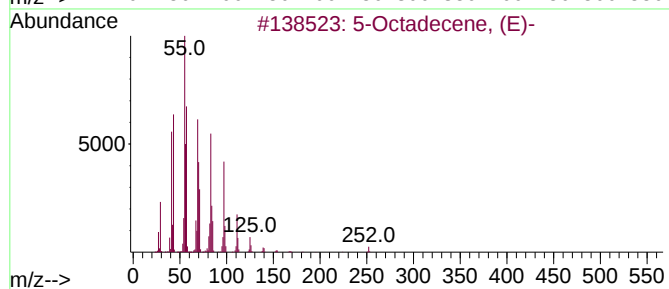
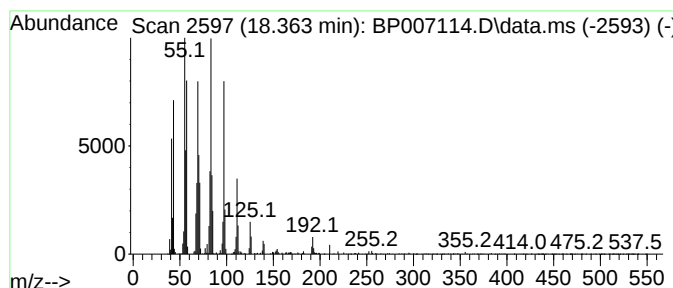
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BNA\_P  
ClientSampleId :  
SS02-BL-(0.0)

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP092121.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 13 5-Octadecene, (E)- Concentration Rank 19

| R.T.      | EstConc            | Area   | Relative to ISTD | R.T.        |      |
|-----------|--------------------|--------|------------------|-------------|------|
| 18.363    | 2.96 ng            | 643832 | Phenanthrene-d10 | 17.275      |      |
| Hit# of 5 | Tentative ID       | MW     | MolForm          | CAS#        | Qual |
| 1         | 5-Octadecene, (E)- | 252    | C18H36           | 007206-21-5 | 99   |
| 2         | 1-Pentadecene      | 210    | C15H30           | 013360-61-7 | 97   |
| 3         | n-Pentadecanol     | 228    | C15H32O          | 000629-76-5 | 96   |
| 4         | 1-Octadecanol      | 270    | C18H38O          | 000112-92-5 | 94   |
| 5         | 1-Hexadecanol      | 242    | C16H34O          | 036653-82-4 | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092221\  
Data File : BP007114.D  
Acq On : 23 Sep 2021 00:17  
Operator : CG/JU  
Sample : M3871-02 5X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SS02-BL-(0.0)

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP092121.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

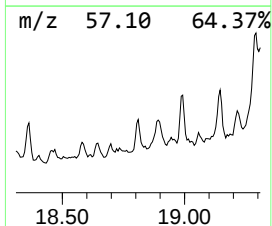
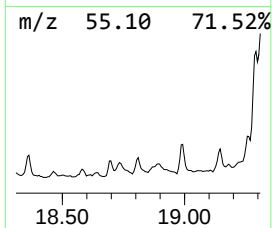
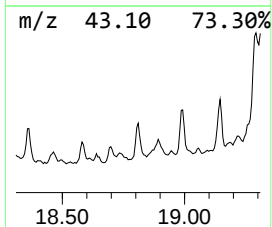
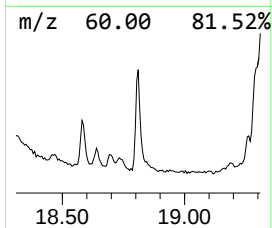
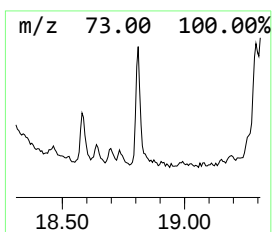
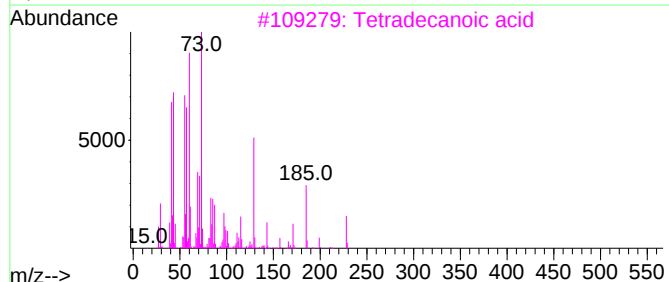
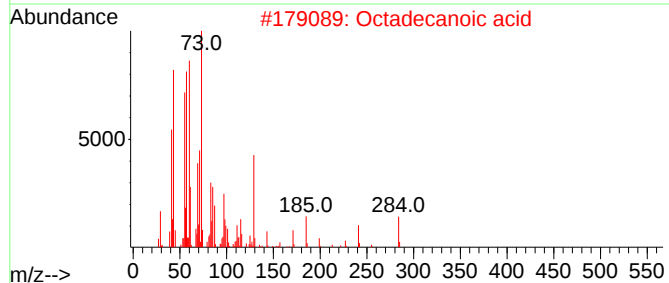
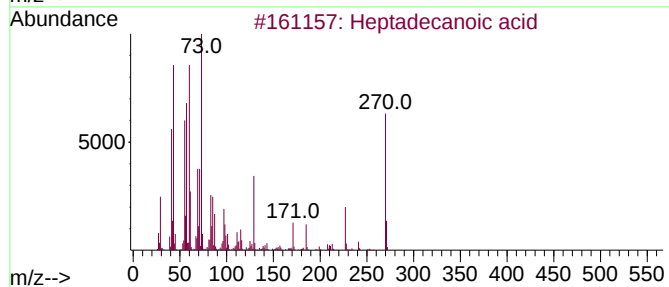
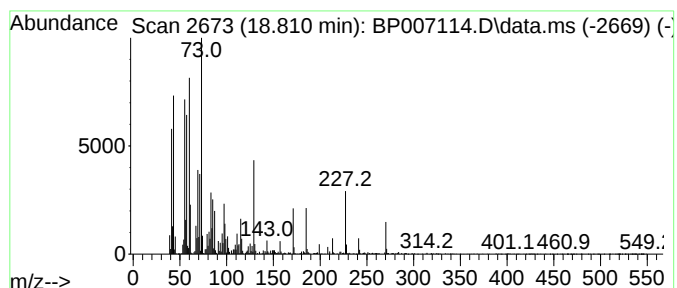
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Heptadecanoic acid Concentration Rank 16

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.810 | 3.81 ng | 828462 | Phenanthrene-d10 | 17.275 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | Heptadecanoic acid  | 270 | C17H34O2 | 000506-12-7 | 93   |
| 2    |    |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 93   |
| 3    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 90   |
| 4    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 74   |
| 5    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092221\  
Data File : BP007114.D  
Acq On : 23 Sep 2021 00:17  
Operator : CG/JU  
Sample : M3871-02 5X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SS02-BL-(0.0)

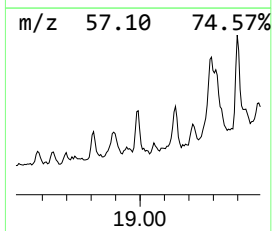
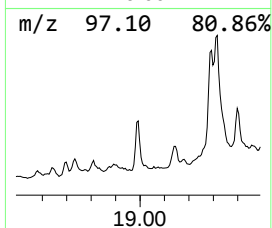
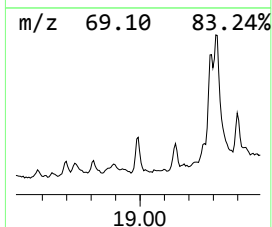
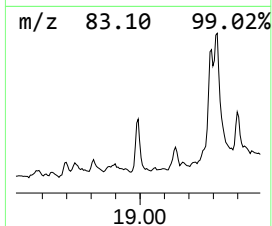
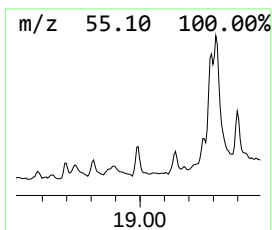
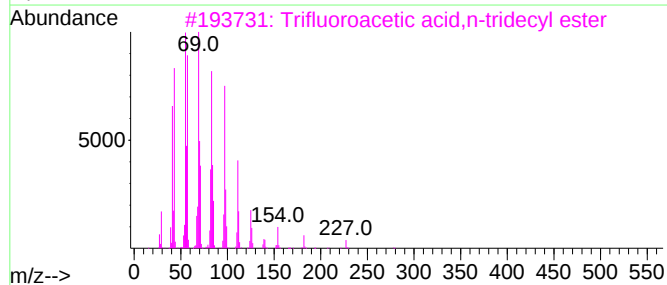
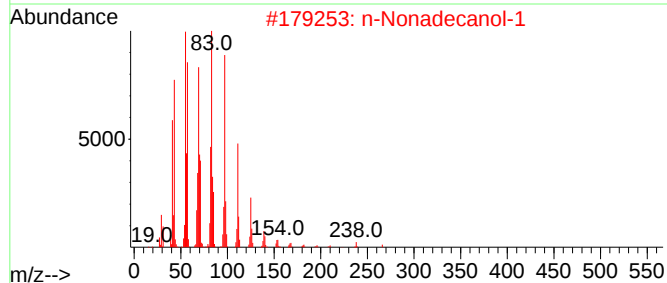
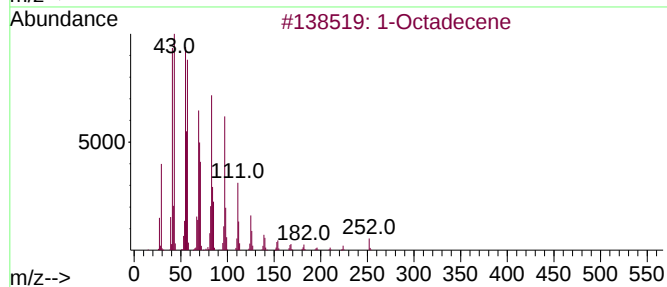
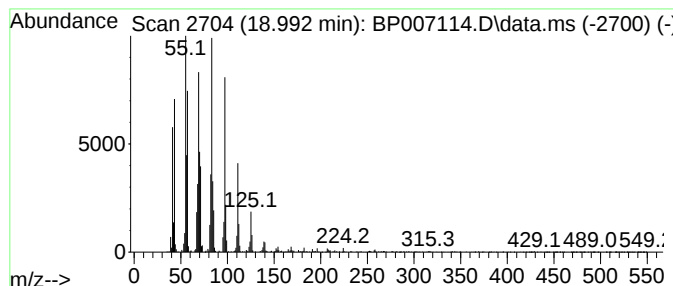
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 15 1-Octadecene Concentration Rank 13

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 18.992    | 4.02 ng                             | 875179 | Phenanthrene-d10 | 17.275      |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 1-Octadecene                        | 252    | C18H36           | 000112-88-9 | 99   |
| 2         | n-Nonadecanol-1                     | 284    | C19H40O          | 001454-84-8 | 94   |
| 3         | Trifluoroacetic acid,n-tridecyl ... | 296    | C15H27F3O2       | 053800-02-5 | 94   |
| 4         | 1-Hexadecanol                       | 242    | C16H34O          | 036653-82-4 | 94   |
| 5         | 1-Octadecanol                       | 270    | C18H38O          | 000112-92-5 | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092221\  
Data File : BP007114.D  
Acq On : 23 Sep 2021 00:17  
Operator : CG/JU  
Sample : M3871-02 5X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SS02-BL-(0.0)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

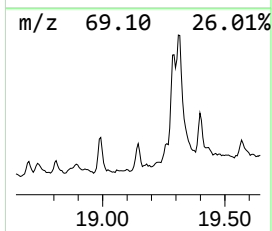
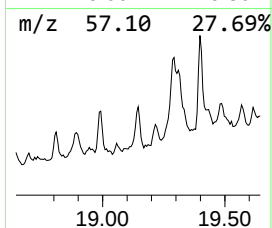
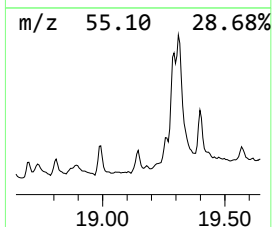
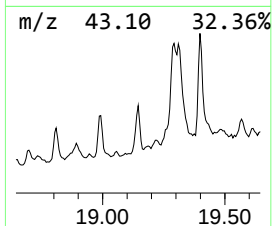
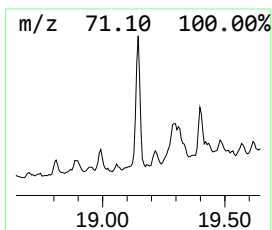
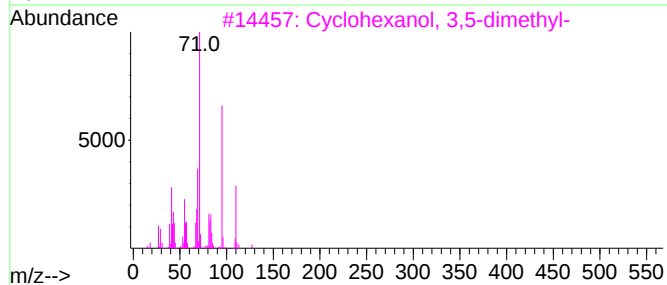
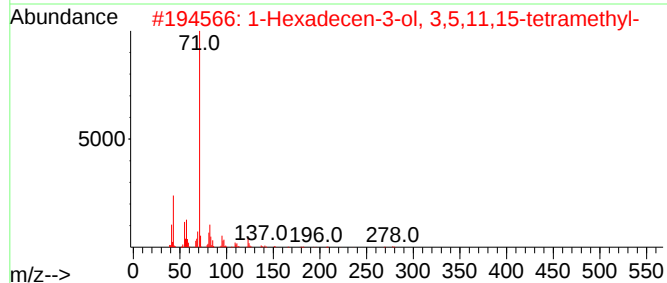
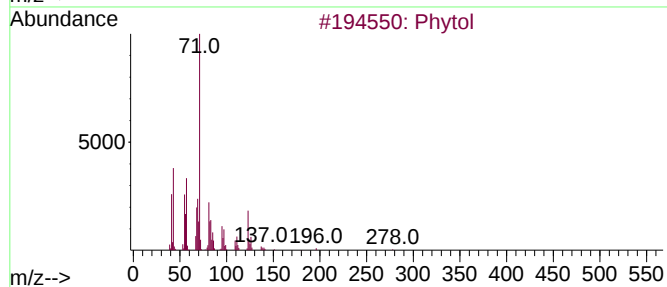
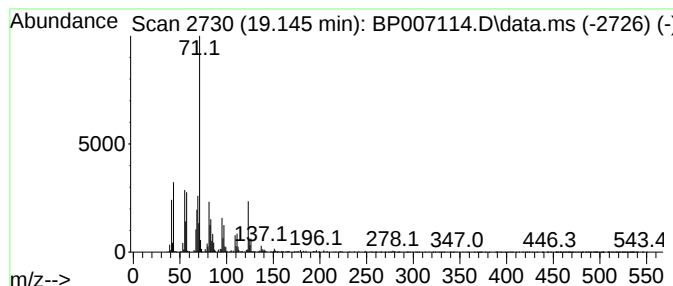
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 Phytol Concentration Rank 11

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 19.145 | 4.95 ng | 1077410 | Phenanthrene-d10 | 17.275 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Phytol                              | 296 | C20H40O  | 000150-86-7  | 90   |
| 2    |    |   | 1-Hexadecen-3-ol, 3,5,11,15-tetr... | 296 | C20H40O  | 1000262-55-5 | 59   |
| 3    |    |   | Cyclohexanol, 3,5-dimethyl-         | 128 | C8H16O   | 005441-52-1  | 50   |
| 4    |    |   | 3,4-Dimethylcyclohexanol            | 128 | C8H16O   | 005715-23-1  | 50   |
| 5    |    |   | Butyric acid, 2-pentadecyl ester    | 298 | C19H38O2 | 107853-73-6  | 47   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092221\  
Data File : BP007114.D  
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Operator : CG/JU  
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Misc :  
ALS Vial : 20 Sample Multiplier: 1

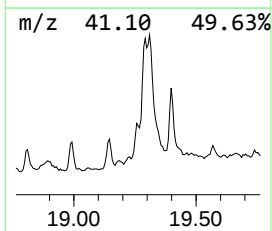
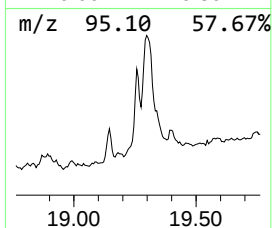
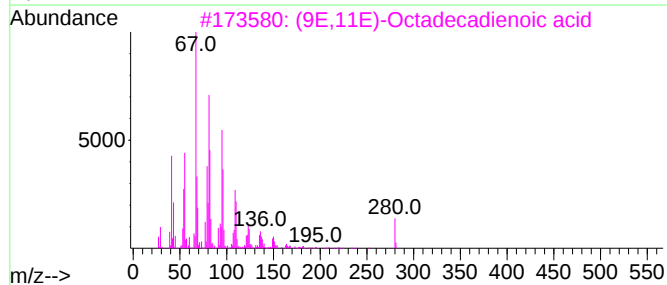
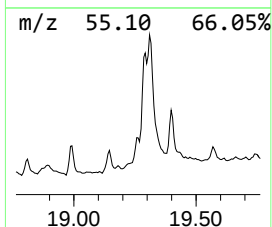
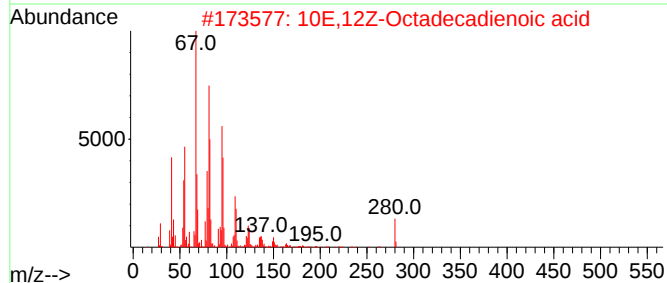
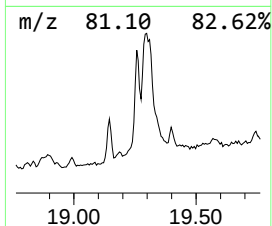
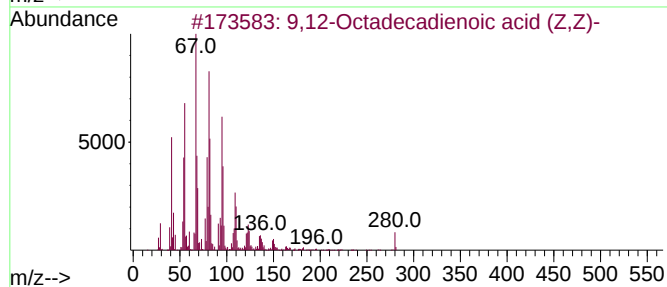
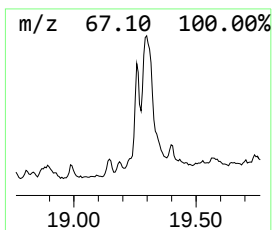
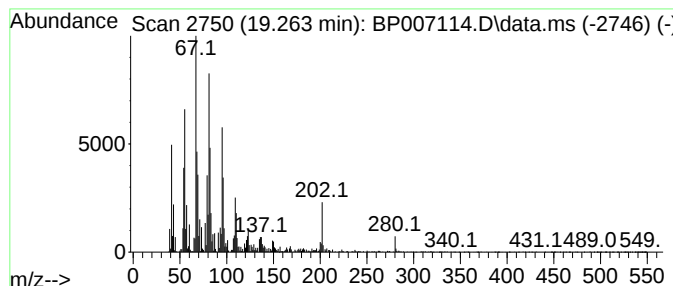
Instrument :  
BNA\_P  
ClientSampleId :  
SS02-BL-(0.0)

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP092121.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 17 9,12-Octadecadienoic acid (... Concentration Rank 10

| R.T.      | EstConc                          | Area    | Relative to ISTD |          | R.T.        |      |
|-----------|----------------------------------|---------|------------------|----------|-------------|------|
| 19.263    | 5.41 ng                          | 1177780 | Phenanthrene-d10 |          | 17.275      |      |
| Hit# of 5 | Tentative ID                     |         | MW               | MolForm  | CAS#        | Qual |
| 1         | 9,12-Octadecadienoic acid (Z,Z)- |         | 280              | C18H32O2 | 000060-33-3 | 99   |
| 2         | 10E,12Z-Octadecadienoic acid     |         | 280              | C18H32O2 | 002420-56-6 | 99   |
| 3         | (9E,11E)-Octadecadienoic acid    |         | 280              | C18H32O2 | 000544-71-8 | 97   |
| 4         | 9-Eicosyne                       |         | 278              | C20H38   | 071899-38-2 | 89   |
| 5         | Linoelaidic acid                 |         | 280              | C18H32O2 | 000506-21-8 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092221\  
Data File : BP007114.D  
Acq On : 23 Sep 2021 00:17  
Operator : CG/JU  
Sample : M3871-02 5X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

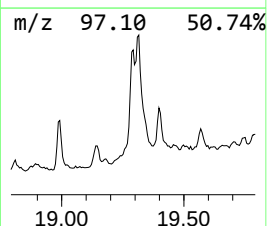
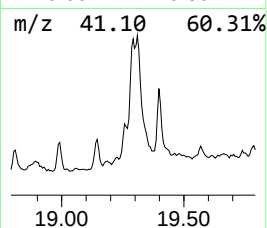
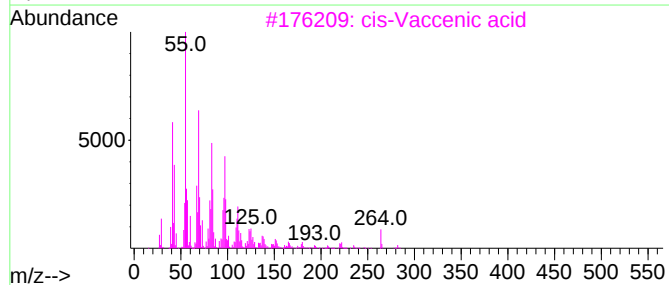
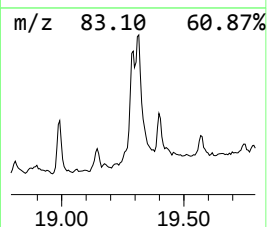
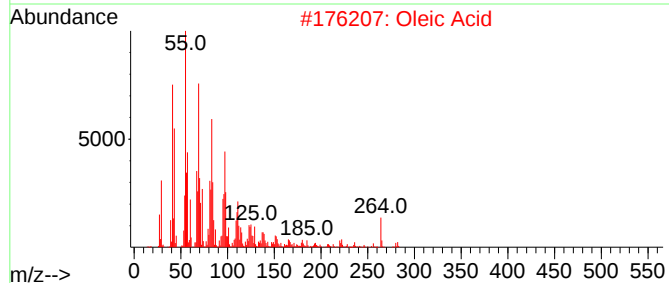
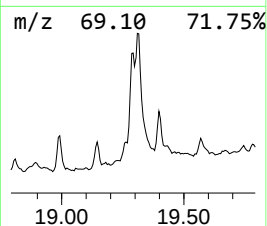
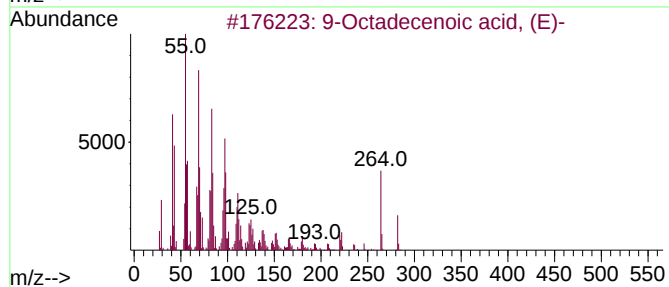
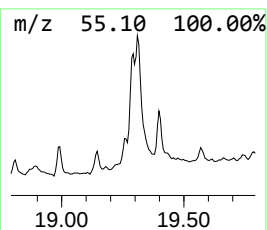
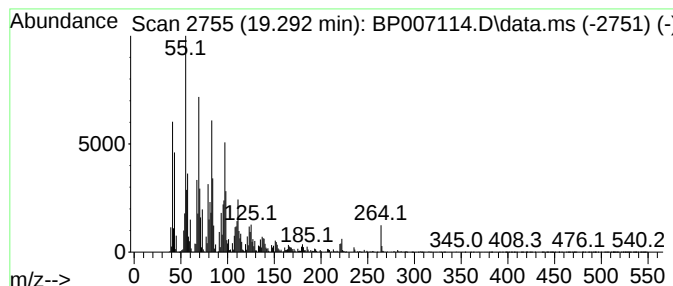
Instrument :  
BNA\_P  
ClientSampleId :  
SS02-BL-(0.0)

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP092121.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 18 9-Octadecenoic acid, (E)- Concentration Rank 6

| R.T.      | EstConc                   | Area    | Relative to ISTD |          | R.T.        |      |
|-----------|---------------------------|---------|------------------|----------|-------------|------|
| 19.292    | 16.78 ng                  | 3649140 | Phenanthrene-d10 |          | 17.275      |      |
| Hit# of 5 | Tentative ID              |         | MW               | MolForm  | CAS#        | Qual |
| 1         | 9-Octadecenoic acid, (E)- |         | 282              | C18H34O2 | 000112-79-8 | 96   |
| 2         | Oleic Acid                |         | 282              | C18H34O2 | 000112-80-1 | 93   |
| 3         | cis-Vaccenic acid         |         | 282              | C18H34O2 | 000506-17-2 | 93   |
| 4         | 9-Octadecenoic acid       |         | 282              | C18H34O2 | 002027-47-6 | 91   |
| 5         | cis-13-Octadecenoic acid  |         | 282              | C18H34O2 | 013126-39-1 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092221\  
Data File : BP007114.D  
Acq On : 23 Sep 2021 00:17  
Operator : CG/JU  
Sample : M3871-02 5X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SS02-BL-(0.0)

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP092121.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

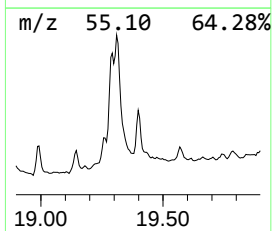
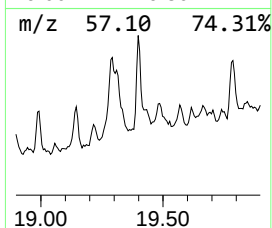
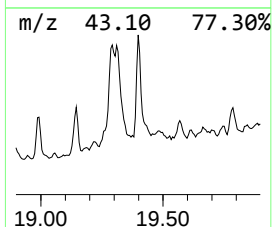
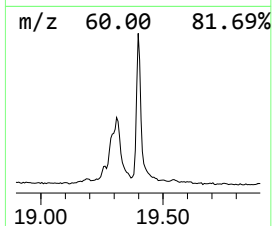
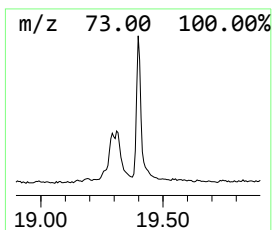
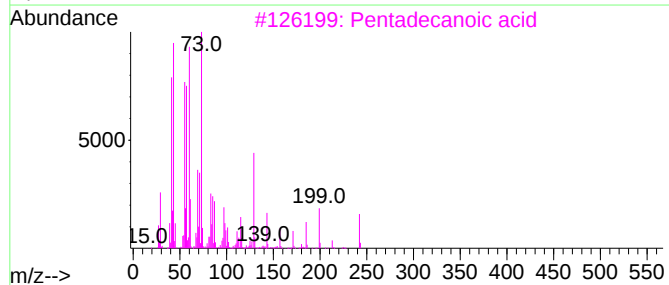
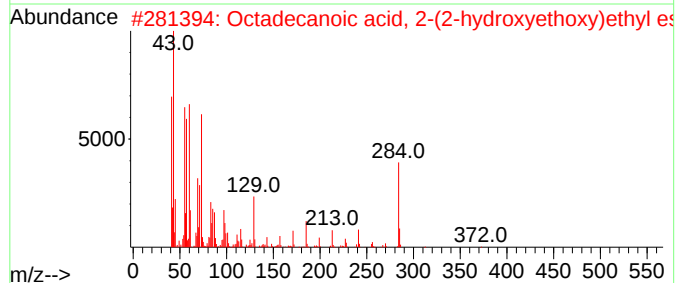
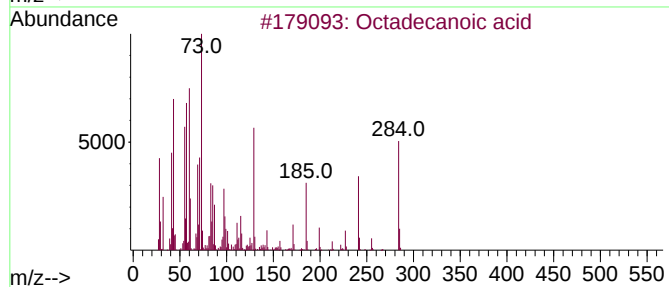
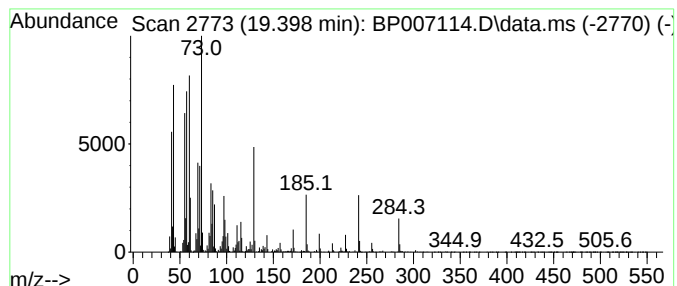
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 Octadecanoic acid Concentration Rank 7

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 19.398 | 10.02 ng | 2170680 | Chrysene-d12     | 21.357 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|------|-------------------------------------|-----|----------|-------------|------|
| 1    |      | Octadecanoic acid                   | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |      | Octadecanoic acid, 2-(2-hydroxye... | 372 | C22H44O4 | 000106-11-6 | 90   |
| 3    |      | Pentadecanoic acid                  | 242 | C15H30O2 | 001002-84-2 | 90   |
| 4    |      | Tetradecanoic acid                  | 228 | C14H28O2 | 000544-63-8 | 87   |
| 5    |      | n-Hexadecanoic acid                 | 256 | C16H32O2 | 000057-10-3 | 81   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092221\  
 Data File : BP007114.D  
 Acq On : 23 Sep 2021 00:17  
 Operator : CG/JU  
 Sample : M3871-02 5X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SS02-BL-(0.0)

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP092121.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 |
| Tridecanoic acid   | 15.845 | 3.1     | ng    | 544971   | 3                     | 14.522 | 3529630 | 20.0 |
| Cyclododecane      | 16.069 | 3.4     | ng    | 743597   | 4                     | 17.275 | 4350100 | 20.0 |
| Tetradecanoic acid | 16.692 | 31.0    | ng    | 6733680  | 4                     | 17.275 | 4350100 | 20.0 |
| 1-Tridecene        | 16.892 | 4.0     | ng    | 868734   | 4                     | 17.275 | 4350100 | 20.0 |
| Pentadecanoic acid | 17.180 | 8.2     | ng    | 1792870  | 4                     | 17.275 | 4350100 | 20.0 |
| 2-Hexadecene, 3... | 17.363 | 5.5     | ng    | 1195410  | 4                     | 17.275 | 4350100 | 20.0 |
| Dodecanoic acid    | 17.457 | 17.1    | ng    | 3715980  | 4                     | 17.275 | 4350100 | 20.0 |
| unknown17.498      | 17.498 | 4.2     | ng    | 905001   | 4                     | 17.275 | 4350100 | 20.0 |
| 1,13-Tetradecad... | 17.533 | 3.9     | ng    | 857740   | 4                     | 17.275 | 4350100 | 20.0 |
| 1-Tetradecene      | 17.663 | 19.1    | ng    | 4151980  | 4                     | 17.275 | 4350100 | 20.0 |
| (E)-Hexadec-9-e... | 18.069 | 64.8    | ng    | 14093700 | 4                     | 17.275 | 4350100 | 20.0 |
| n-Hexadecanoic ... | 18.204 | 152.0   | ng    | 33058500 | 4                     | 17.275 | 4350100 | 20.0 |
| 5-Octadecene, (E)- | 18.363 | 3.0     | ng    | 643832   | 4                     | 17.275 | 4350100 | 20.0 |
| Heptadecanoic acid | 18.810 | 3.8     | ng    | 828462   | 4                     | 17.275 | 4350100 | 20.0 |
| 1-Octadecene       | 18.992 | 4.0     | ng    | 875179   | 4                     | 17.275 | 4350100 | 20.0 |
| Phytol             | 19.145 | 5.0     | ng    | 1077410  | 4                     | 17.275 | 4350100 | 20.0 |
| 9,12-Octadecadi... | 19.263 | 5.4     | ng    | 1177780  | 4                     | 17.275 | 4350100 | 20.0 |
| 9-Octadecenoic ... | 19.292 | 16.8    | ng    | 3649140  | 4                     | 17.275 | 4350100 | 20.0 |
| Octadecanoic acid  | 19.398 | 10.0    | ng    | 2170680  | 5                     | 21.357 | 4333490 | 20.0 |