

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100724\  
 Data File : BF139694.D  
 Acq On : 07 Oct 2024 18:56  
 Operator : RC/JU  
 Sample : P4289-02 5X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EFF-Waste Water

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\_F\Methods\8270-BF100124.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF139694.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         | 5.340       | 531           | 552         | 558          | rVB2     | 503657         | 2985625       | 1.71%           | 0.700%        |
| 2         | 6.510       | 727           | 751         | 760          | rBV3     | 794746         | 3725291       | 2.14%           | 0.874%        |
| 3         | 6.869       | 768           | 812         | 814          | rBV      | 1870059        | 11838664      | 6.79%           | 2.776%        |
| 4         | 6.969       | 822           | 829         | 835          | rVB      | 4831444        | 10416747      | 5.97%           | 2.443%        |
| 5         | 7.122       | 847           | 855         | 867          | rVB2     | 1512018        | 3935678       | 2.26%           | 0.923%        |
| 6         | 8.269       | 1040          | 1050        | 1053         | rBV      | 2906519        | 7298716       | 4.18%           | 1.712%        |
| 7         | 8.351       | 1053          | 1064        | 1066         | rVV      | 2048688        | 5627861       | 3.23%           | 1.320%        |
| 8         | 9.075       | 1178          | 1187        | 1194         | rBV      | 1158324        | 2395722       | 1.37%           | 0.562%        |
| 9         | 9.169       | 1195          | 1203        | 1209         | rVV      | 1067642        | 2032292       | 1.17%           | 0.477%        |
| 10        | 9.698       | 1216          | 1293        | 1300         | rVV      | 10578386       | 174422676     | 100.00%         | 40.904%       |
| 11        | 10.269      | 1375          | 1390        | 1394         | rBV      | 4655066        | 15220700      | 8.73%           | 3.569%        |
| 12        | 10.334      | 1398          | 1401        | 1406         | rVB      | 1794667        | 2316015       | 1.33%           | 0.543%        |
| 13        | 10.969      | 1495          | 1509        | 1512         | rBV      | 2819193        | 7572433       | 4.34%           | 1.776%        |
| 14        | 11.110      | 1529          | 1533        | 1539         | rVB      | 1943968        | 3479688       | 1.99%           | 0.816%        |
| 15        | 11.198      | 1543          | 1548        | 1555         | rVV2     | 1272471        | 2108204       | 1.21%           | 0.494%        |
| 16        | 11.951      | 1668          | 1676        | 1688         | rBV      | 1856574        | 3932268       | 2.25%           | 0.922%        |
| 17        | 12.057      | 1688          | 1694        | 1699         | rVB      | 4989442        | 6924570       | 3.97%           | 1.624%        |
| 18        | 12.169      | 1708          | 1713        | 1719         | rBV      | 1427078        | 1817127       | 1.04%           | 0.426%        |
| 19        | 12.498      | 1754          | 1769        | 1777         | rBV      | 6009240        | 12137035      | 6.96%           | 2.846%        |
| 20        | 12.580      | 1777          | 1783        | 1791         | rVB      | 5880077        | 8672286       | 4.97%           | 2.034%        |
| 21        | 12.792      | 1791          | 1819        | 1825         | rBV8     | 12226744       | 69533072      | 39.86%          | 16.306%       |
| 22        | 12.886      | 1825          | 1835        | 1841         | rVV3     | 12224725       | 42633109      | 24.44%          | 9.998%        |
| 23        | 12.951      | 1841          | 1846        | 1851         | rVB2     | 7935704        | 12340390      | 7.07%           | 2.894%        |
| 24        | 13.298      | 1899          | 1905        | 1912         | rBV2     | 1407600        | 2002427       | 1.15%           | 0.470%        |
| 25        | 13.439      | 1924          | 1929        | 1938         | rVV4     | 1003850        | 2277373       | 1.31%           | 0.534%        |
| 26        | 13.527      | 1938          | 1944        | 1954         | rVB      | 2541303        | 3756026       | 2.15%           | 0.881%        |
| 27        | 14.427      | 2091          | 2097        | 2102         | rVV2     | 1206112        | 2175946       | 1.25%           | 0.510%        |
| 28        | 18.427      | 2763          | 2777        | 2788         | rVV      | 639952         | 2843647       | 1.63%           | 0.667%        |

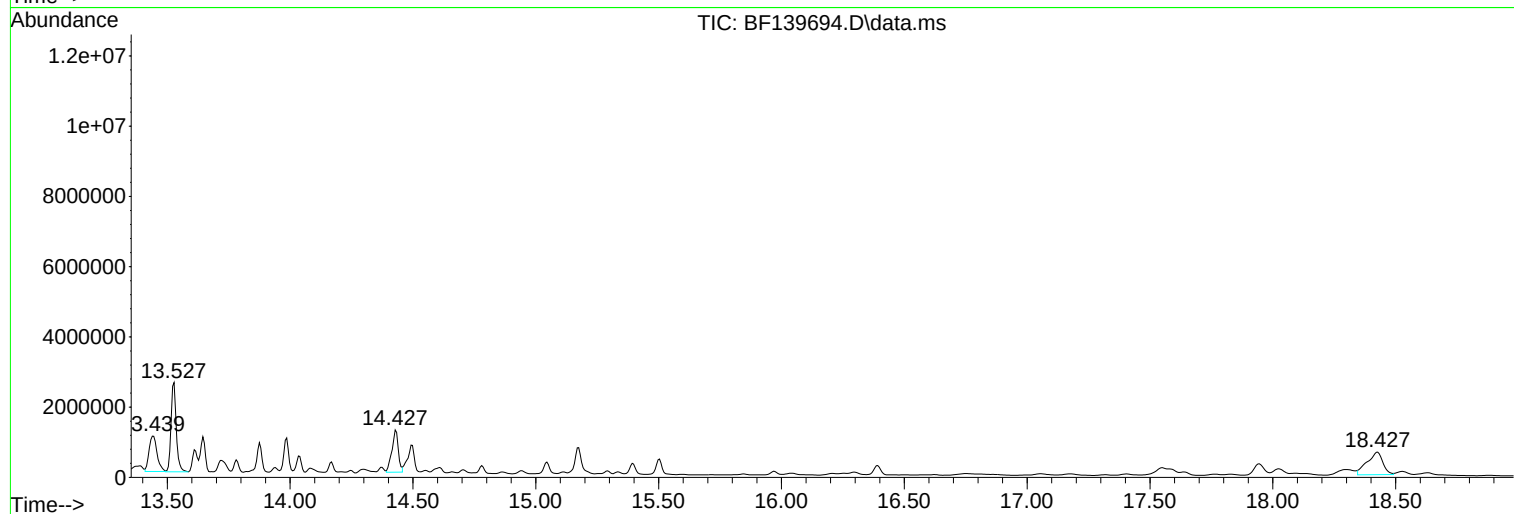
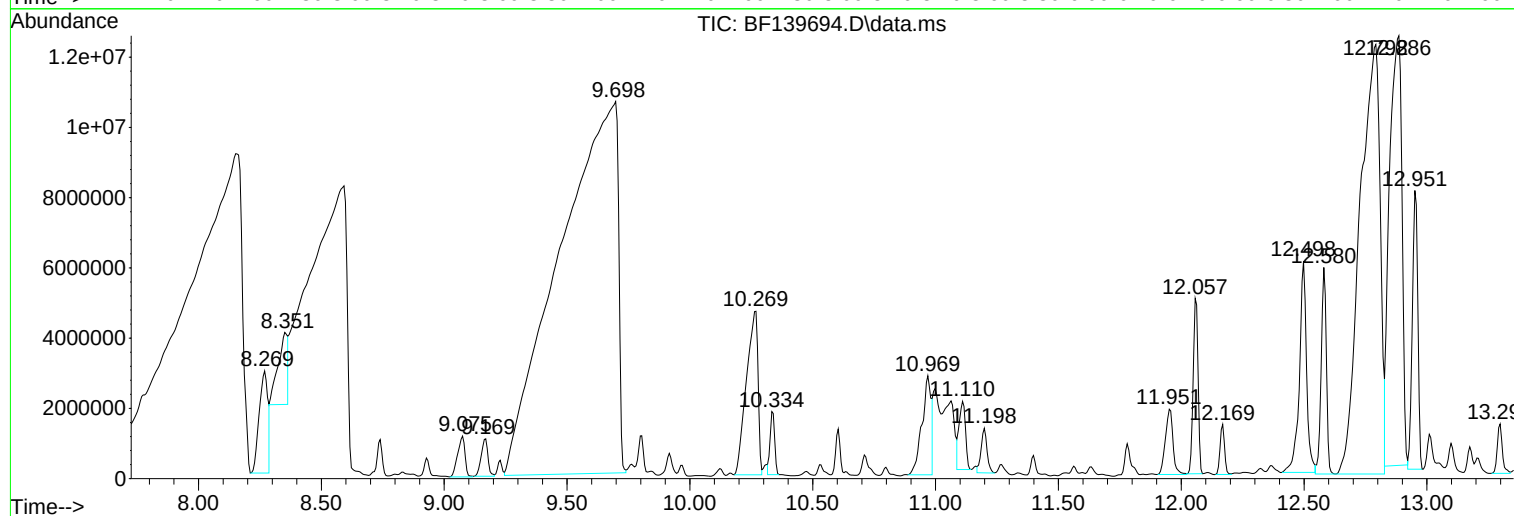
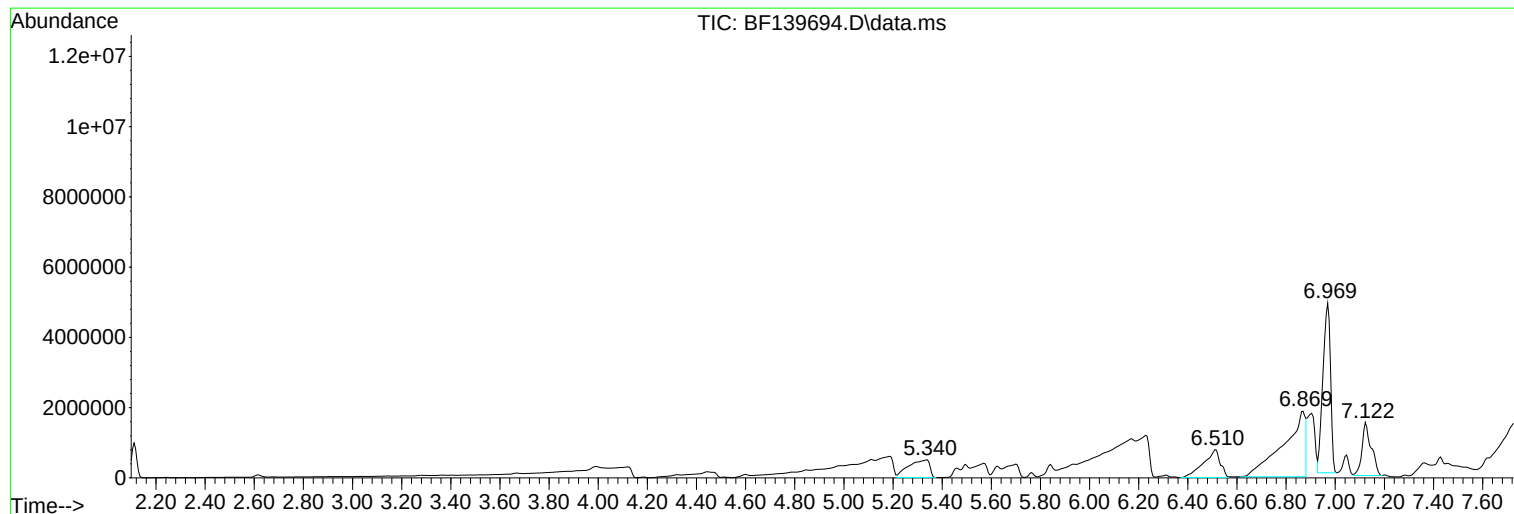
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BNA\_F  
ClientSampleId :  
EFF-Waste Water

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100124.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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Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
EFF-Waste Water

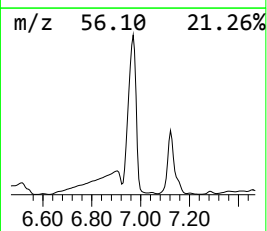
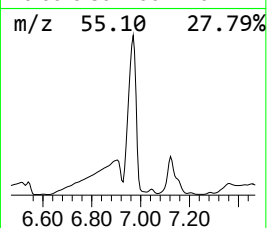
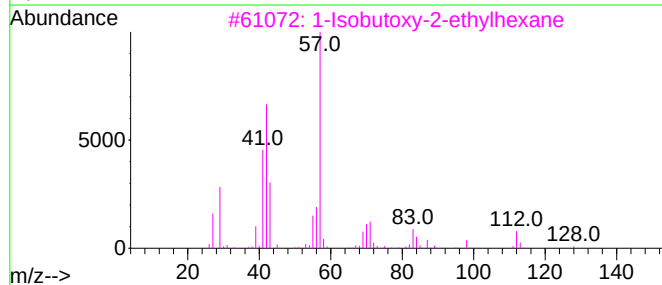
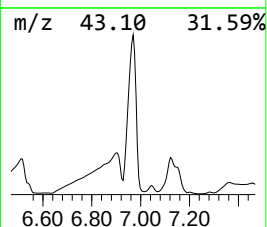
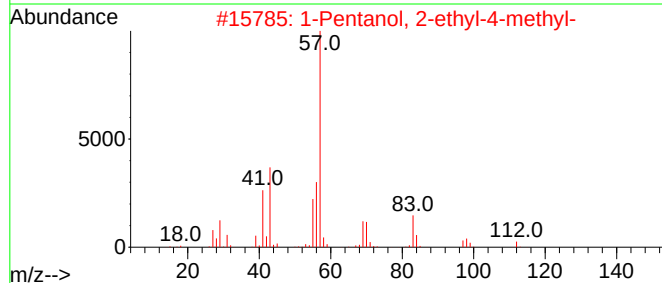
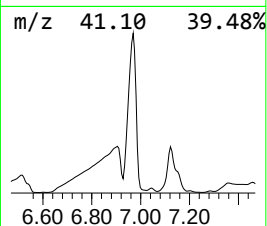
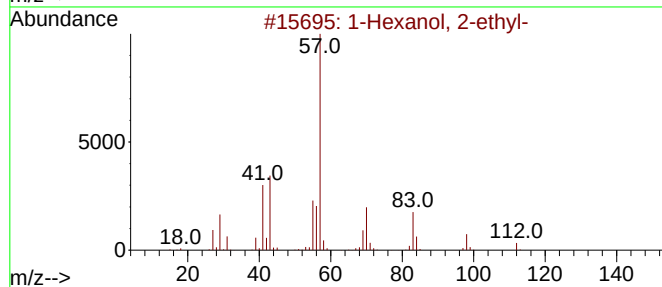
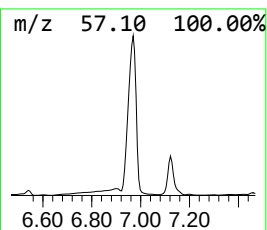
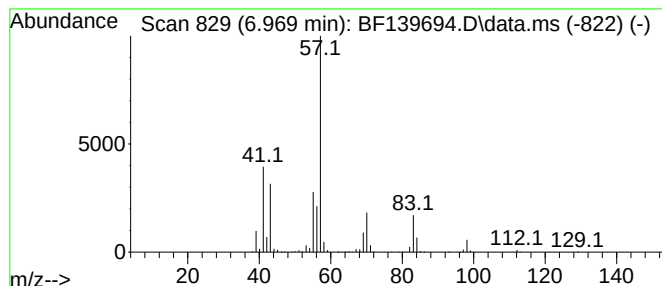
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 1-Hexanol, 2-ethyl- Concentration Rank 18

| R.T.  | EstConc  | Area     | Relative to ISTD       | R.T.  |
|-------|----------|----------|------------------------|-------|
| 6.969 | 17.60 ng | 10416700 | 1,4-Dichlorobenzene-d4 | 6.863 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-----------------------------------|-----|----------|--------------|------|
| 1    |    |   | 1-Hexanol, 2-ethyl-               | 130 | C8H18O   | 000104-76-7  | 78   |
| 2    |    |   | 1-Pentanol, 2-ethyl-4-methyl-     | 130 | C8H18O   | 000106-67-2  | 56   |
| 3    |    |   | 1-Isobutoxy-2-ethylhexane         | 186 | C12H26O  | 1000139-90-3 | 56   |
| 4    |    |   | 1-Hexene, 5,5-dimethyl-           | 112 | C8H16    | 007116-86-1  | 53   |
| 5    |    |   | Carbonic acid, heptyl vinyl ester | 186 | C10H18O3 | 1010383-25-4 | 50   |



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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

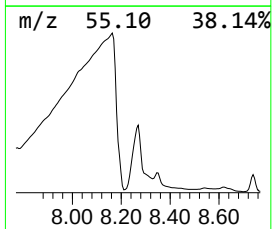
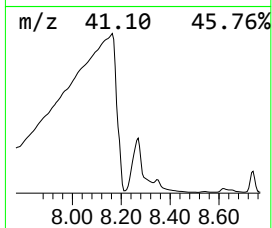
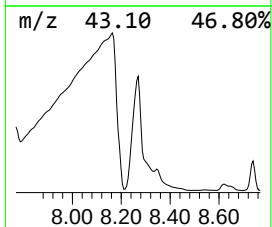
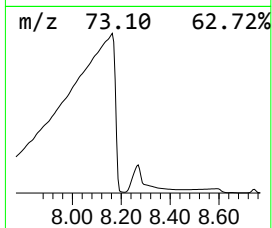
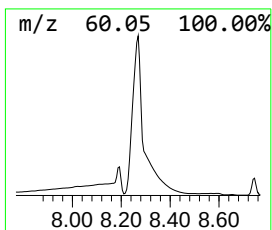
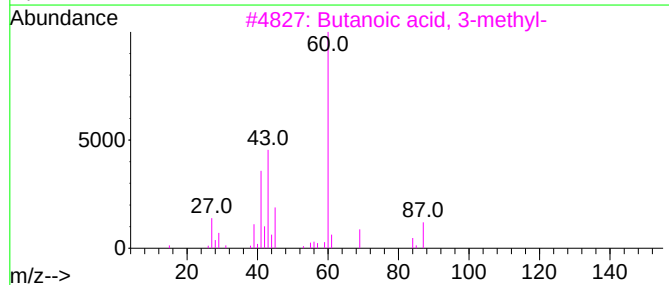
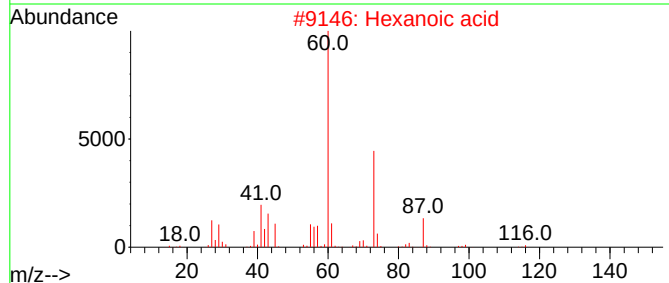
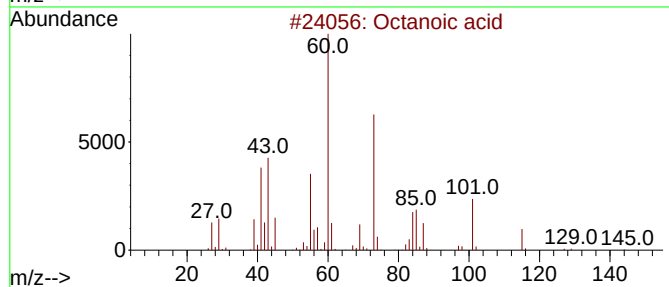
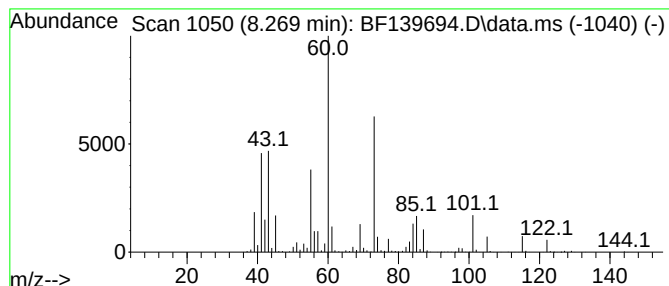
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Octanoic acid Concentration Rank 13

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 8.269 | 20.00 ng | 7298720 | Naphthalene-d8   | 8.151 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm   | CAS#        | Qual |
|------|----|---|--------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Octanoic acid                  | 144 | C8H16O2   | 000124-07-2 | 97   |
| 2    |    |   | Hexanoic acid                  | 116 | C6H12O2   | 000142-62-1 | 64   |
| 3    |    |   | Butanoic acid, 3-methyl-       | 102 | C5H10O2   | 000503-74-2 | 59   |
| 4    |    |   | Octanoic acid, silver(1+) salt | 250 | C8H15AgO2 | 024927-67-1 | 45   |
| 5    |    |   | Heptanoic acid                 | 130 | C7H14O2   | 000111-14-8 | 45   |



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ALS Vial : 19 Sample Multiplier: 1

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ClientSampleId :  
EFF-Waste Water

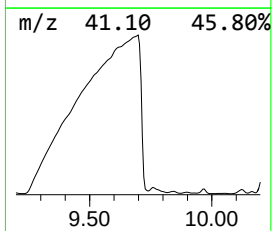
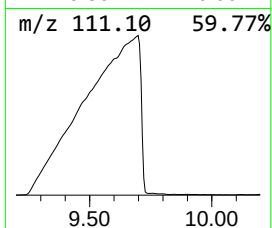
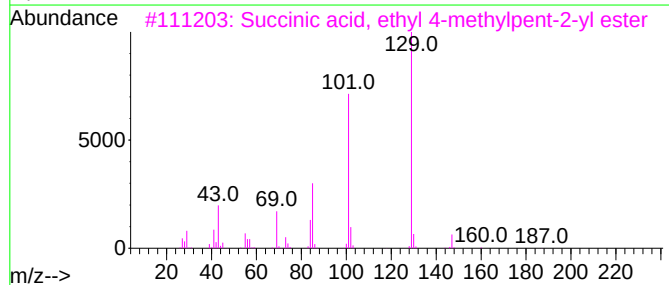
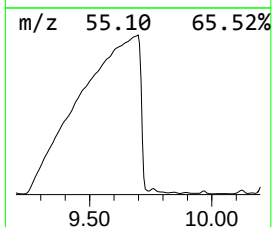
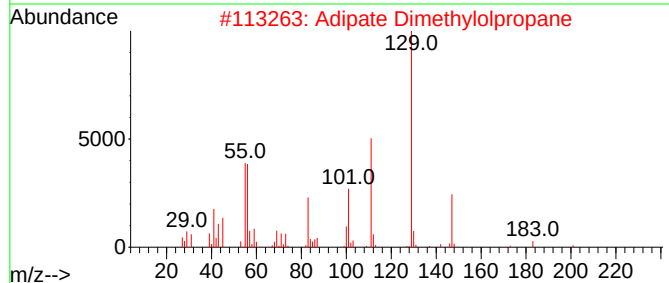
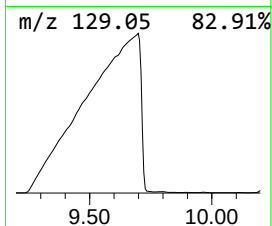
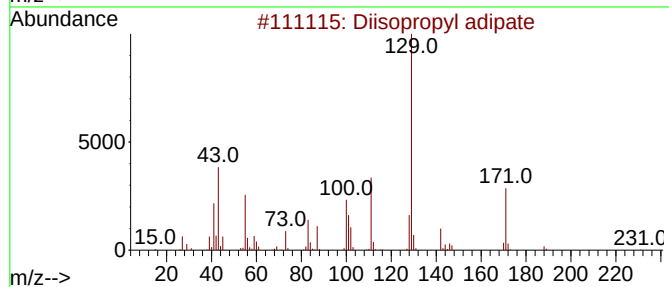
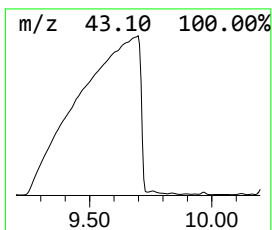
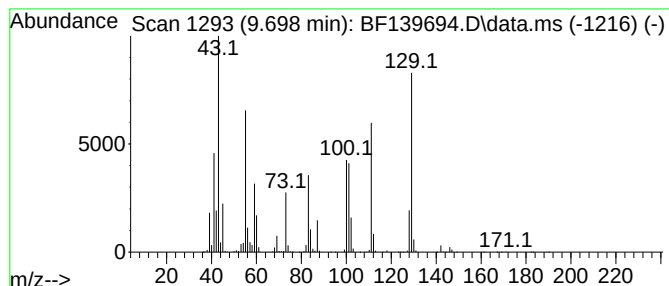
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 Diisopropyl adipate Concentration Rank 14

| R.T.  | EstConc  | Area      | Relative to ISTD | R.T.  |
|-------|----------|-----------|------------------|-------|
| 9.698 | 20.00 ng | 174423000 | Acenaphthene-d10 | 9.916 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Diisopropyl adipate                 | 230 | C12H22O4 | 006938-94-9  | 56   |
| 2    |    |   | Adipate Dimethylolpropane           | 232 | C11H20O5 | 1000445-99-1 | 50   |
| 3    |    |   | Succinic acid, ethyl 4-methylpen... | 230 | C12H22O4 | 1000349-21-8 | 38   |
| 4    |    |   | Ethylene glycol adipate             | 190 | C8H14O5  | 1000445-97-3 | 37   |
| 5    |    |   | Succinic acid, 3,3-dimethylbut-2... | 230 | C12H22O4 | 1000349-50-5 | 35   |



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Instrument :  
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ClientSampleId :  
EFF-Waste Water

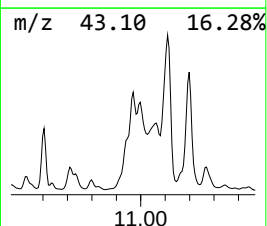
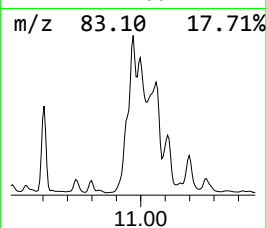
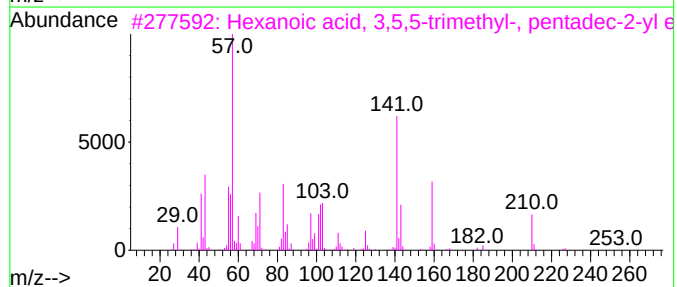
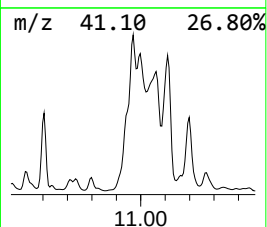
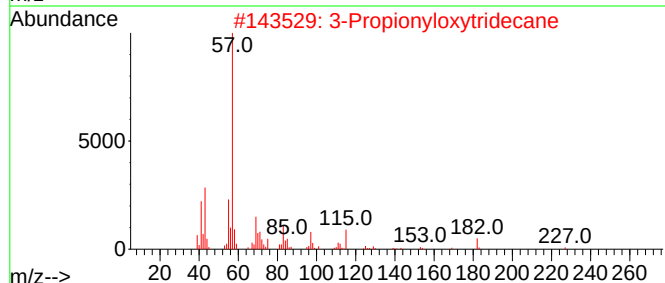
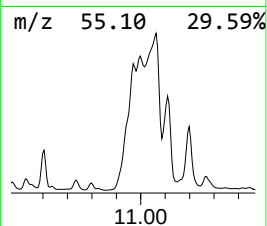
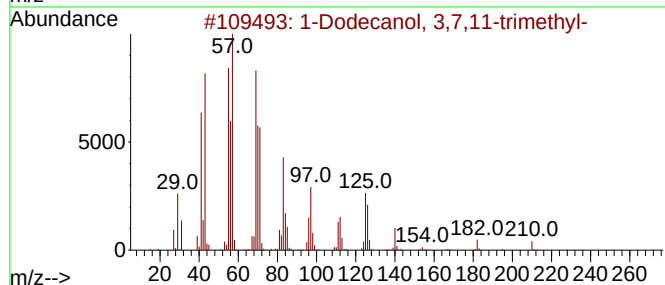
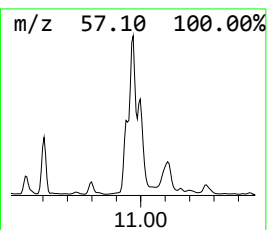
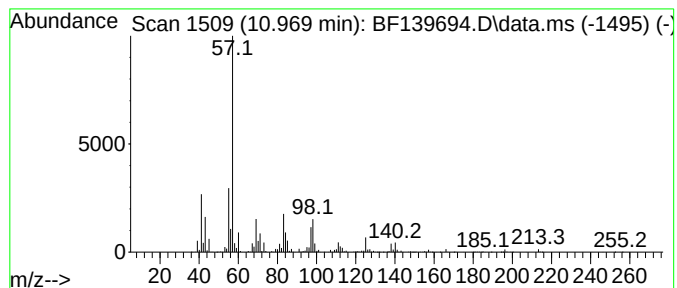
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Peak Number 5 unknown10.969 Concentration Rank 6

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 10.969 | 71.84 ng | 7572430 | Phenanthrene-d10 | 11.398 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | 1-Dodecanol, 3,7,11-trimethyl-      | 228 | C15H32O  | 006750-34-1  | 47   |
| 2    |    |   | 3-Propionyloxytridecane             | 256 | C16H32O2 | 1000245-62-5 | 38   |
| 3    |    |   | Hexanoic acid, 3,5,5-trimethyl-,... | 368 | C24H48O2 | 1000406-27-2 | 35   |
| 4    |    |   | Ether, tert-butyl isopropylidene... | 154 | C10H18O  | 024524-56-9  | 35   |
| 5    |    |   | 9-Eicosene, (E)-                    | 280 | C20H40   | 074685-29-3  | 35   |



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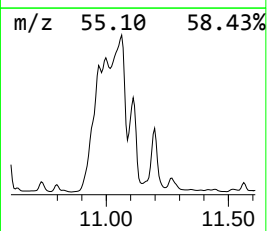
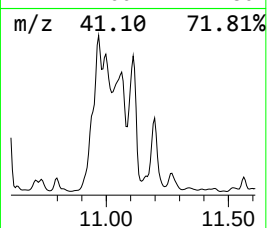
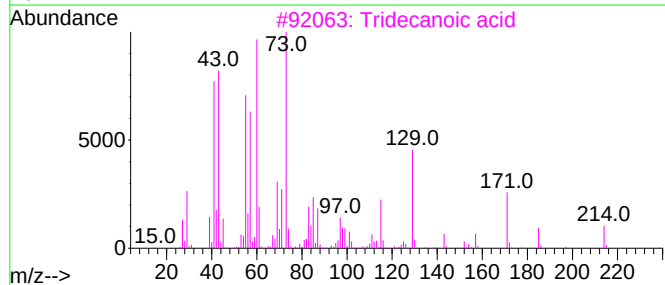
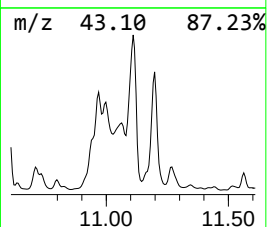
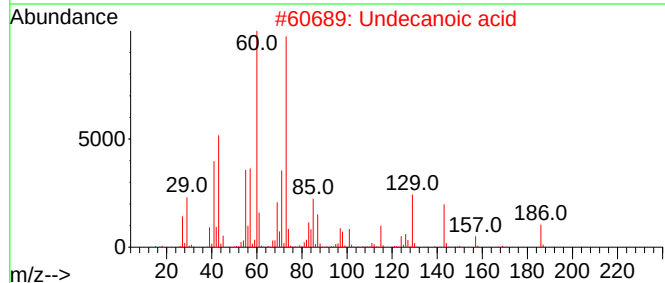
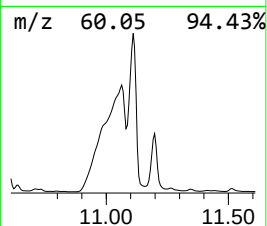
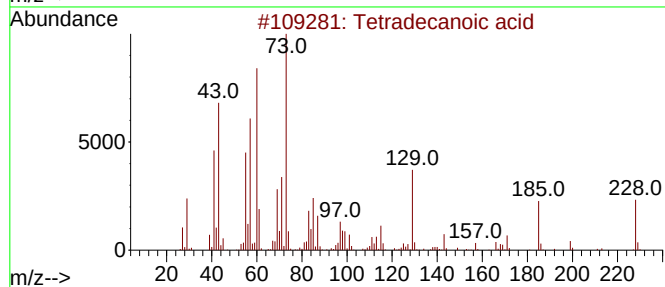
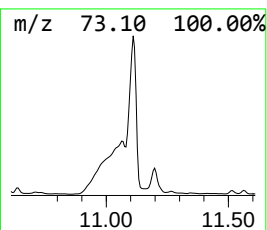
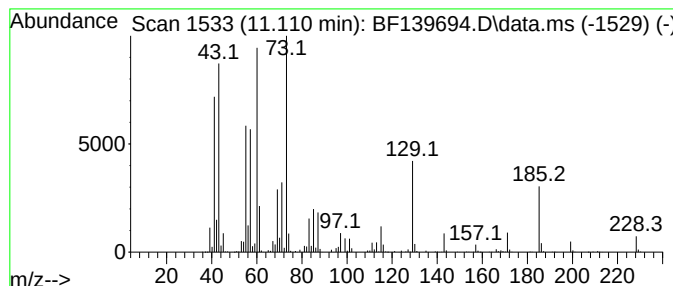
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Tetradecanoic acid Concentration Rank 10

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 11.110 | 33.01 ng | 3479690 | Phenanthrene-d10 | 11.398 |

| Hit# | of 5 | Tentative ID       | MW  | MolForm  | CAS#        | Qual |
|------|------|--------------------|-----|----------|-------------|------|
| 1    |      | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 91   |
| 2    |      | Undecanoic acid    | 186 | C11H22O2 | 000112-37-8 | 68   |
| 3    |      | Tridecanoic acid   | 214 | C13H26O2 | 000638-53-9 | 56   |
| 4    |      | n-Decanoic acid    | 172 | C10H20O2 | 000334-48-5 | 53   |
| 5    |      | Nonanoic acid      | 158 | C9H18O2  | 000112-05-0 | 43   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100724\  
Data File : BF139694.D  
Acq On : 07 Oct 2024 18:56  
Operator : RC/JU  
Sample : P4289-02 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EFF-Waste Water

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

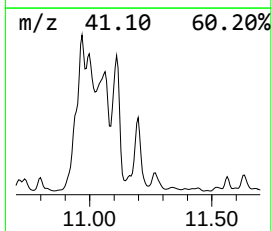
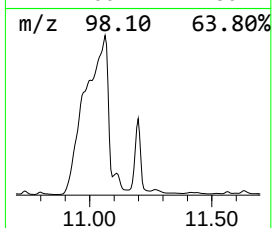
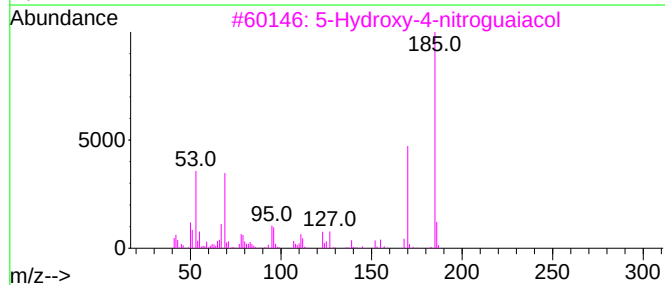
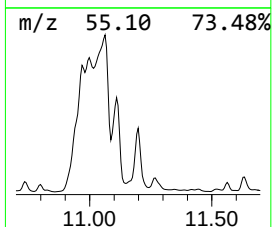
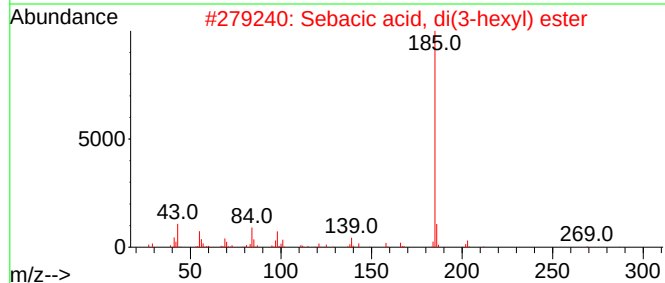
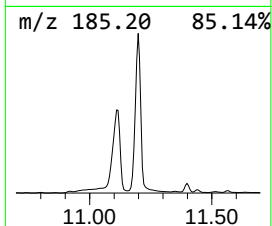
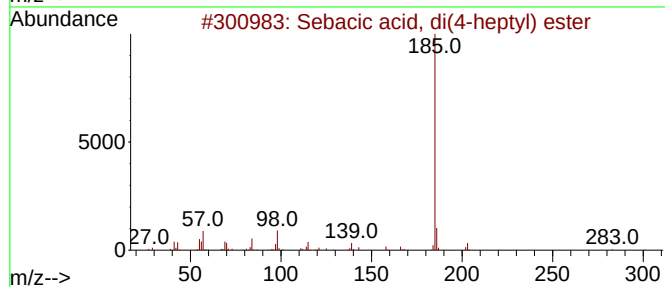
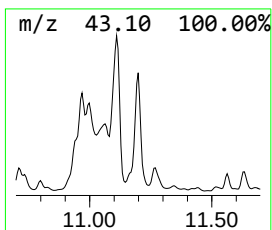
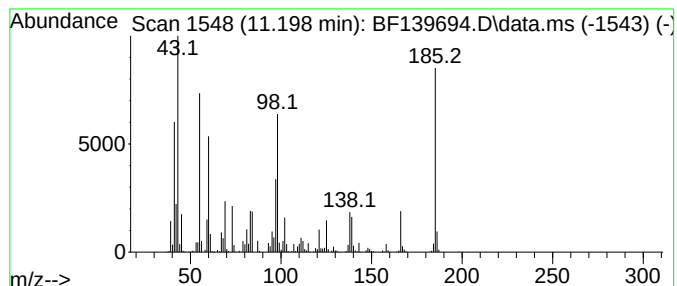
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 Sebaccic acid, di(4-heptyl) ... Concentration Rank 15

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 11.198 | 20.00 ng | 2108200 | Phenanthrene-d10 | 11.398 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm    | CAS#         | Qual |
|------|----|---|--------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Sebaccic acid, di(4-heptyl) ester    | 398 | C24H46O4   | 1000355-39-6 | 50   |
| 2    |    |   | Sebaccic acid, di(3-hexyl) ester     | 370 | C22H42O4   | 1000355-54-7 | 27   |
| 3    |    |   | 5-Hydroxy-4-nitroguaiacol            | 185 | C7H7NO5    | 100960-04-1  | 25   |
| 4    |    |   | Sebaccic acid, di(4-trifluorometh... | 550 | C26H28F6O6 | 1000416-79-9 | 25   |
| 5    |    |   | 1H-Isoidole-1,3(2H)-dione, 2-(2...   | 185 | C11H7NO2   | 007223-50-9  | 25   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100724\  
Data File : BF139694.D  
Acq On : 07 Oct 2024 18:56  
Operator : RC/JU  
Sample : P4289-02 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EFF-Waste Water

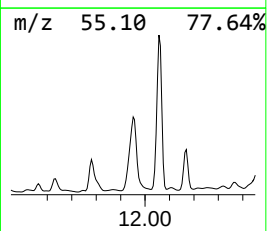
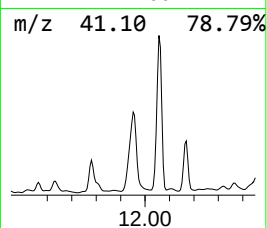
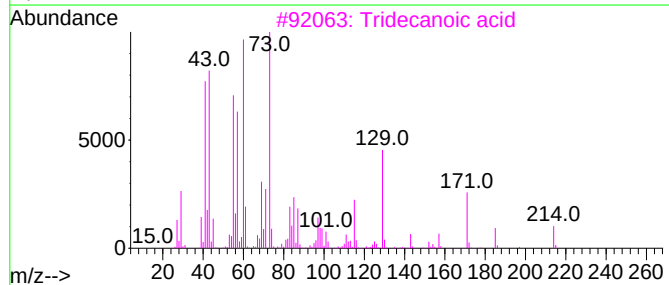
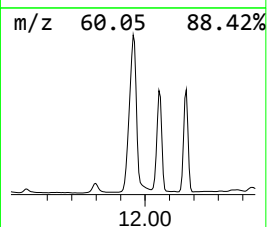
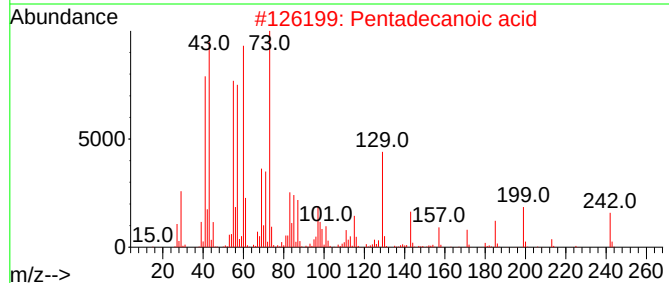
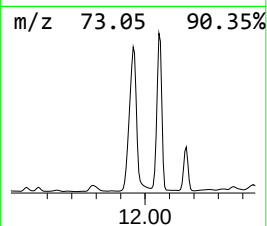
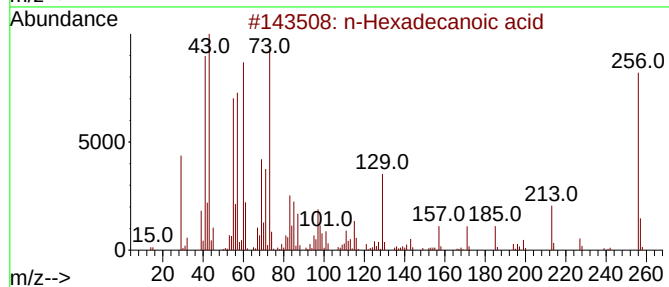
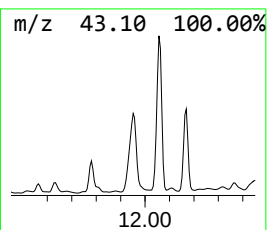
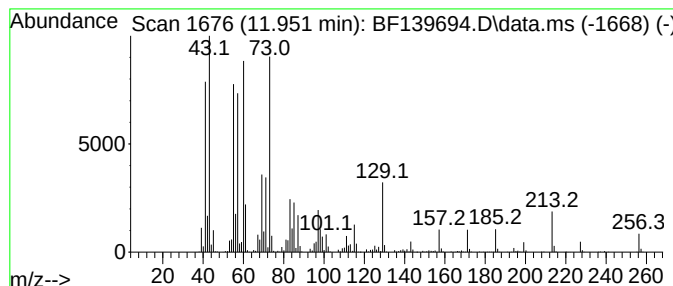
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 n-Hexadecanoic acid Concentration Rank 8

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 11.951 | 37.30 ng | 3932270 | Phenanthrene-d10 | 11.398 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 90   |
| 3    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 90   |
| 4    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 83   |
| 5    |    |   | Undecanoic acid     | 186 | C11H22O2 | 000112-37-8 | 58   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100724\  
Data File : BF139694.D  
Acq On : 07 Oct 2024 18:56  
Operator : RC/JU  
Sample : P4289-02 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EFF-Waste Water

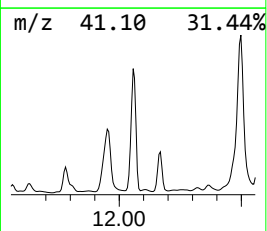
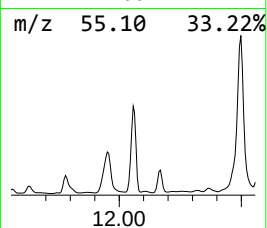
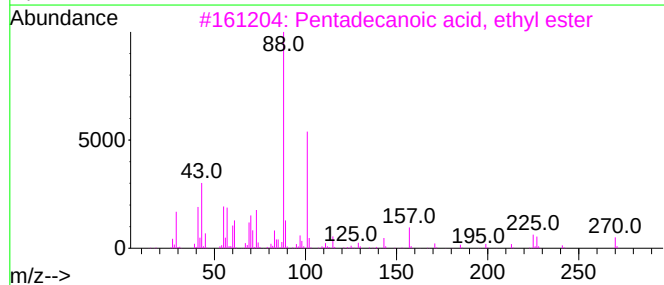
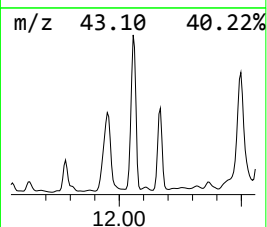
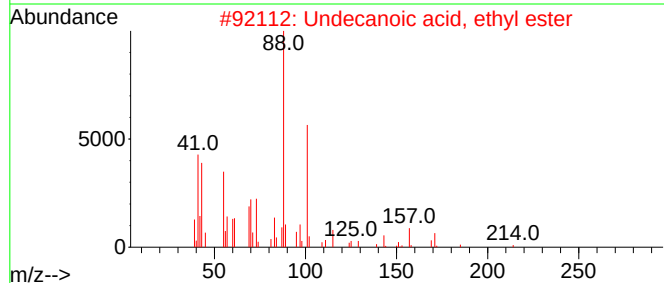
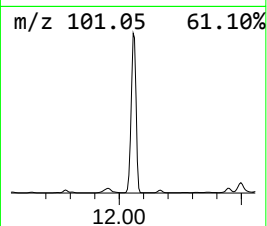
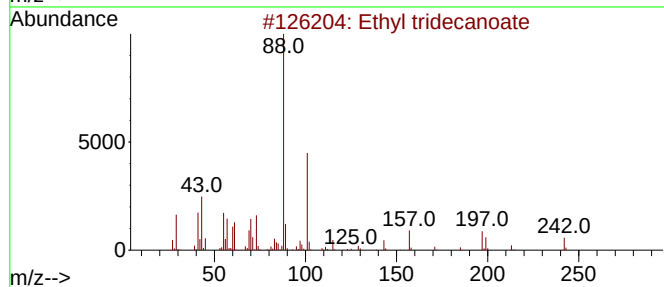
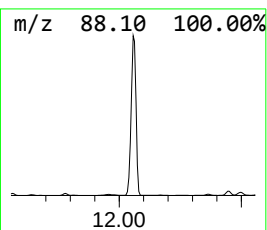
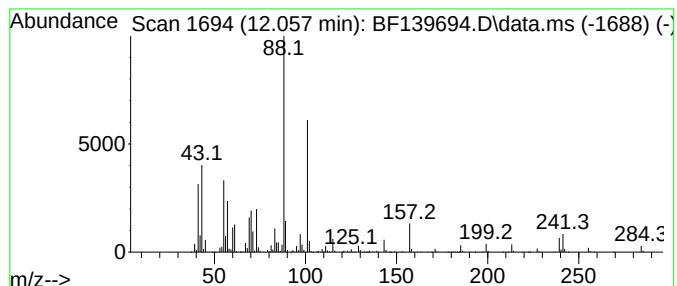
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 Ethyl tridecanoate Concentration Rank 7

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 12.057 | 65.69 ng | 6924570 | Phenanthrene-d10 | 11.398 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------------------|-----|----------|-------------|------|
| 1    |    |   | Ethyl tridecanoate              | 242 | C15H30O2 | 028267-29-0 | 95   |
| 2    |    |   | Undecanoic acid, ethyl ester    | 214 | C13H26O2 | 000627-90-7 | 94   |
| 3    |    |   | Pentadecanoic acid, ethyl ester | 270 | C17H34O2 | 041114-00-5 | 91   |
| 4    |    |   | Hexadecanoic acid, ethyl ester  | 284 | C18H36O2 | 000628-97-7 | 90   |
| 5    |    |   | Dodecanoic acid, ethyl ester    | 228 | C14H28O2 | 000106-33-2 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100724\  
Data File : BF139694.D  
Acq On : 07 Oct 2024 18:56  
Operator : RC/JU  
Sample : P4289-02 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EFF-Waste Water

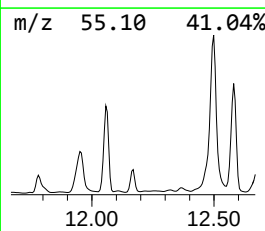
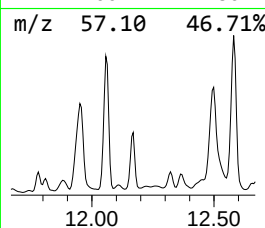
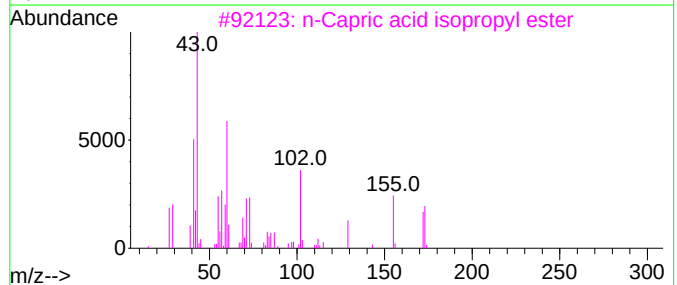
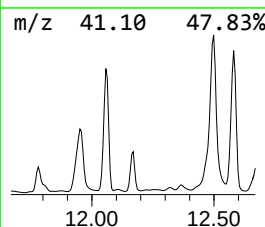
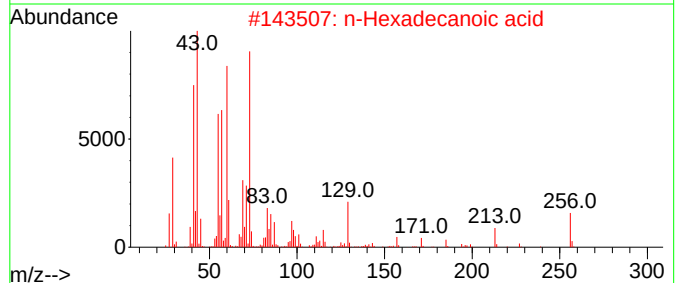
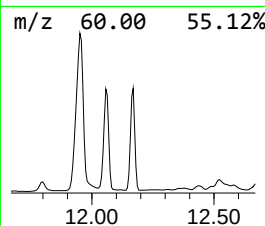
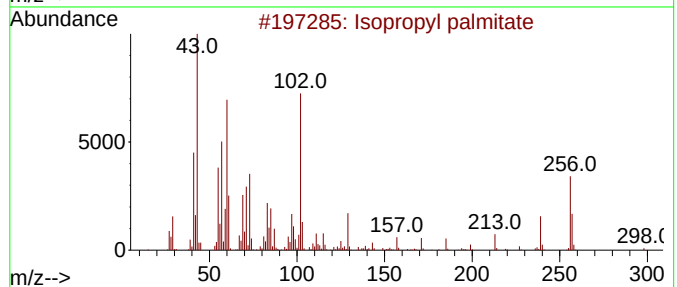
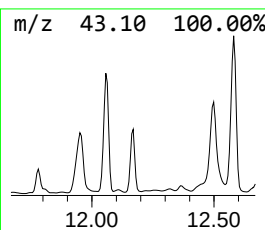
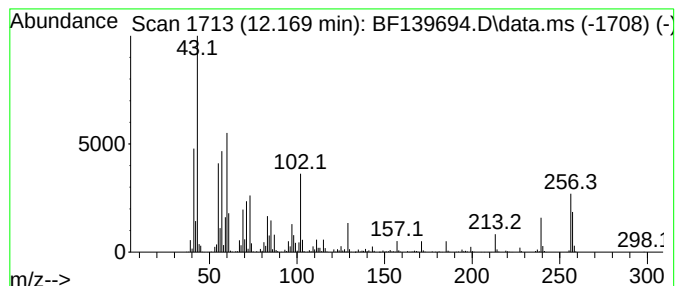
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 Isopropyl palmitate Concentration Rank 19

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 12.169 | 17.24 ng | 1817130 | Phenanthrene-d10 | 11.398 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#        | Qual |
|------|----|---|------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Isopropyl palmitate                | 298 | C19H38O2 | 000142-91-6 | 83   |
| 2    |    |   | n-Hexadecanoic acid                | 256 | C16H32O2 | 000057-10-3 | 55   |
| 3    |    |   | n-Capric acid isopropyl ester      | 214 | C13H26O2 | 002311-59-3 | 52   |
| 4    |    |   | Undecanoic acid                    | 186 | C11H22O2 | 000112-37-8 | 43   |
| 5    |    |   | Nonanoic acid, 1-methylethyl ester | 200 | C12H24O2 | 028267-32-5 | 37   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100724\  
Data File : BF139694.D  
Acq On : 07 Oct 2024 18:56  
Operator : RC/JU  
Sample : P4289-02 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EFF-Waste Water

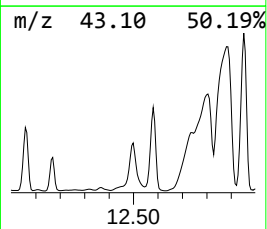
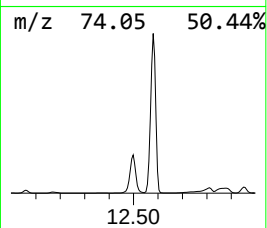
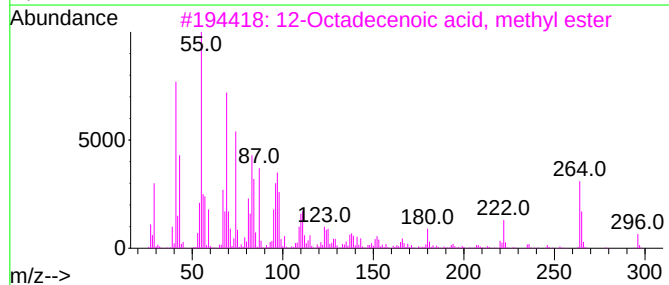
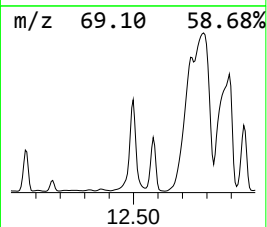
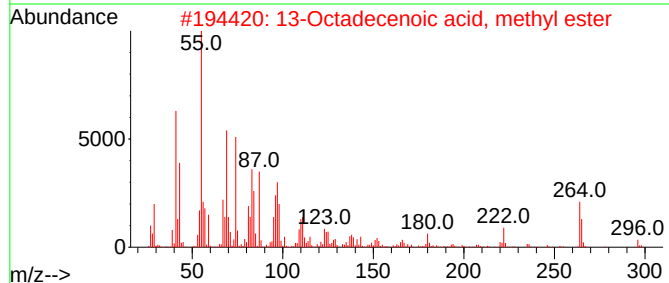
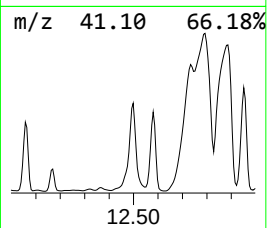
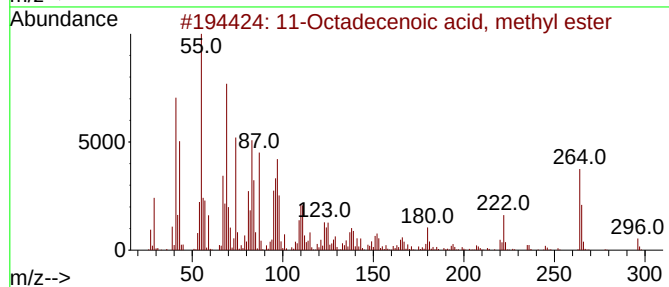
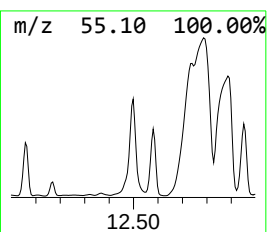
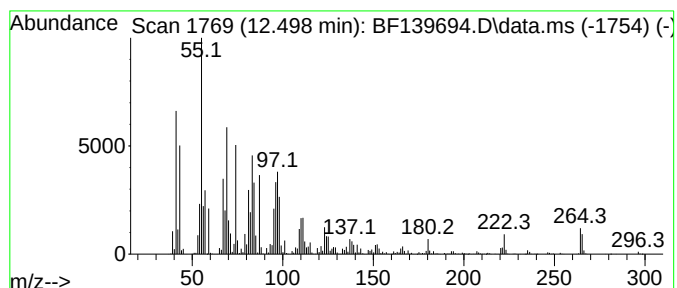
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 11-Octadecenoic acid, methyl... Concentration Rank 3

| R.T.   | EstConc   | Area                               | Relative to ISTD | R.T.     |             |      |
|--------|-----------|------------------------------------|------------------|----------|-------------|------|
| 12.498 | 115.14 ng | 12137000                           | Phenanthrene-d10 | 11.398   |             |      |
| Hit#   | of 5      | Tentative ID                       | MW               | MolForm  | CAS#        | Qual |
| 1      |           | 11-Octadecenoic acid, methyl ester | 296              | C19H36O2 | 052380-33-3 | 99   |
| 2      |           | 13-Octadecenoic acid, methyl ester | 296              | C19H36O2 | 056554-47-3 | 99   |
| 3      |           | 12-Octadecenoic acid, methyl ester | 296              | C19H36O2 | 056554-46-2 | 99   |
| 4      |           | 8-Octadecenoic acid, methyl ester  | 296              | C19H36O2 | 002345-29-1 | 99   |
| 5      |           | 7-Octadecenoic acid, methyl ester  | 296              | C19H36O2 | 057396-98-2 | 99   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100724\  
Data File : BF139694.D  
Acq On : 07 Oct 2024 18:56  
Operator : RC/JU  
Sample : P4289-02 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EFF-Waste Water

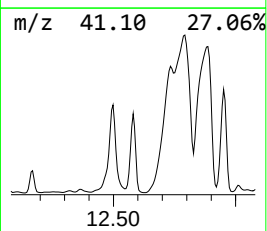
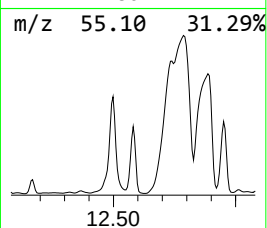
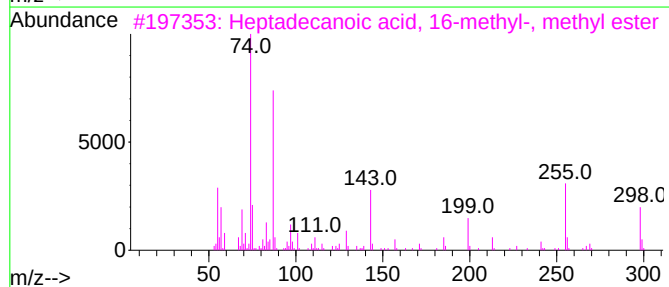
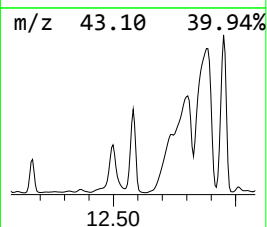
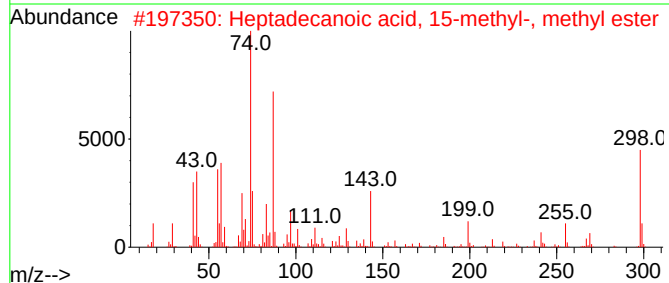
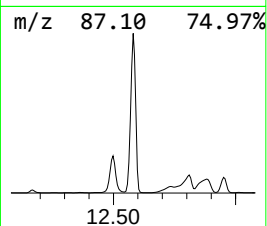
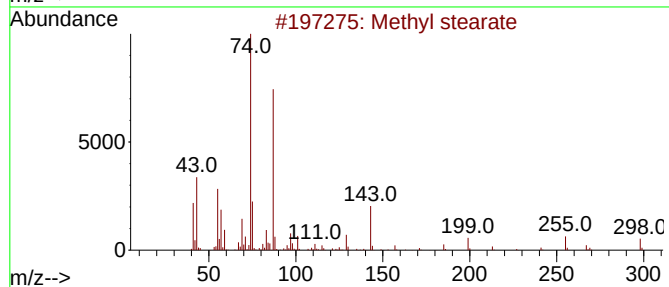
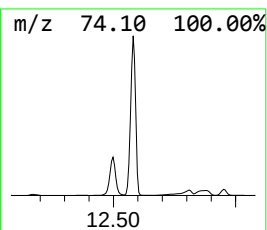
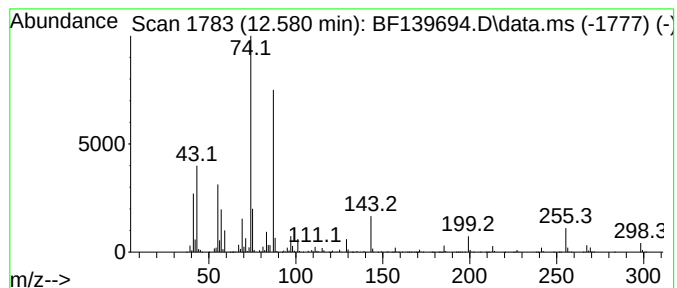
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 Methyl stearate Concentration Rank 5

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 12.580 | 82.27 ng | 8672290 | Phenanthrene-d10 | 11.398 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Methyl stearate                     | 298 | C19H38O2 | 000112-61-8 | 98   |
| 2    |    |   | Heptadecanoic acid, 15-methyl-, ... | 298 | C19H38O2 | 054833-55-5 | 93   |
| 3    |    |   | Heptadecanoic acid, 16-methyl-, ... | 298 | C19H38O2 | 005129-61-3 | 91   |
| 4    |    |   | Heptadecanoic acid, methyl ester    | 284 | C18H36O2 | 001731-92-6 | 91   |
| 5    |    |   | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100724\  
Data File : BF139694.D  
Acq On : 07 Oct 2024 18:56  
Operator : RC/JU  
Sample : P4289-02 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EFF-Waste Water

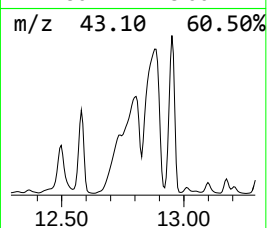
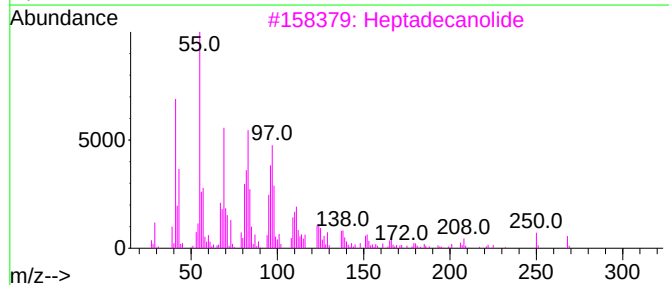
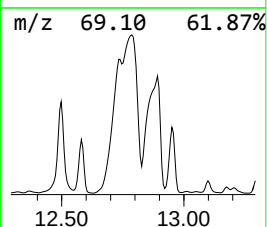
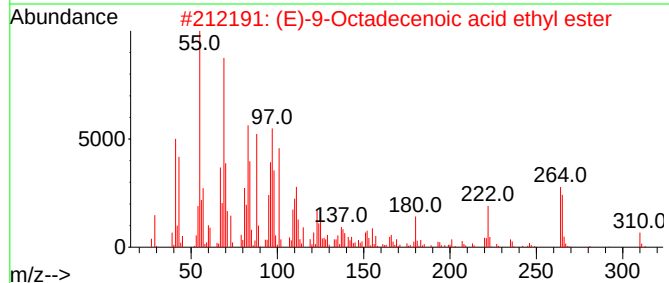
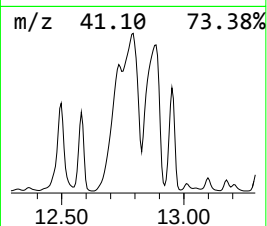
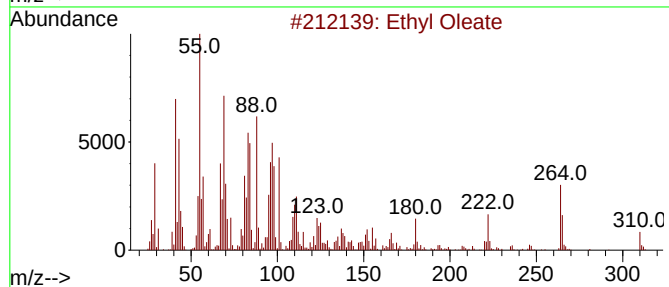
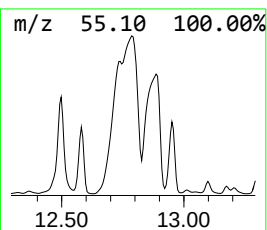
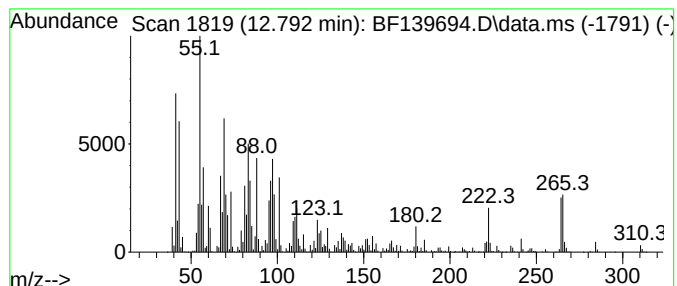
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 13 Ethyl Oleate Concentration Rank 1

| R.T.   | EstConc   | Area     | Relative to ISTD | R.T.   |
|--------|-----------|----------|------------------|--------|
| 12.792 | 639.11 ng | 69533100 | Chrysene-d12     | 14.033 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Ethyl Oleate                        | 310 | C20H38O2 | 000111-62-6 | 93   |
| 2    |    |   | (E)-9-Octadecenoic acid ethyl ester | 310 | C20H38O2 | 006114-18-7 | 93   |
| 3    |    |   | Heptadecanolide                     | 268 | C17H32O2 | 005637-97-8 | 87   |
| 4    |    |   | 8-Octadecenoic acid, methyl este... | 296 | C19H36O2 | 026528-50-7 | 83   |
| 5    |    |   | Ethyl 9-hexadecenoate               | 282 | C18H34O2 | 054546-22-4 | 76   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100724\  
Data File : BF139694.D  
Acq On : 07 Oct 2024 18:56  
Operator : RC/JU  
Sample : P4289-02 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EFF-Waste Water

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

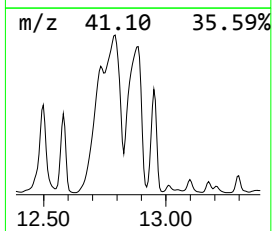
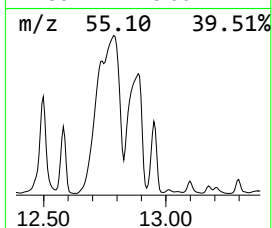
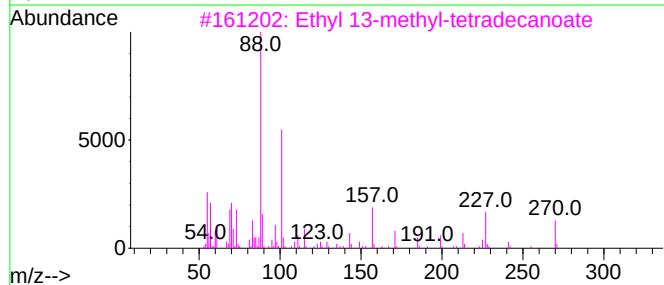
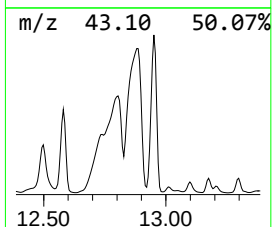
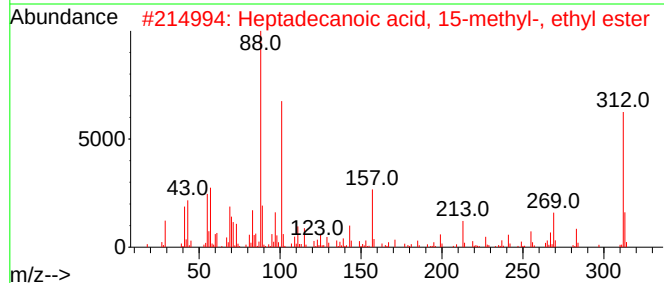
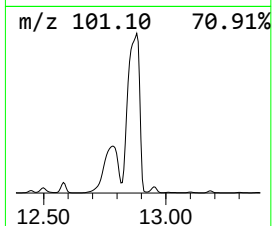
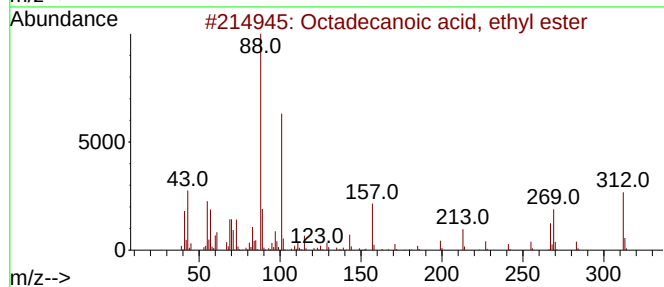
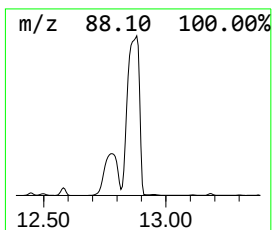
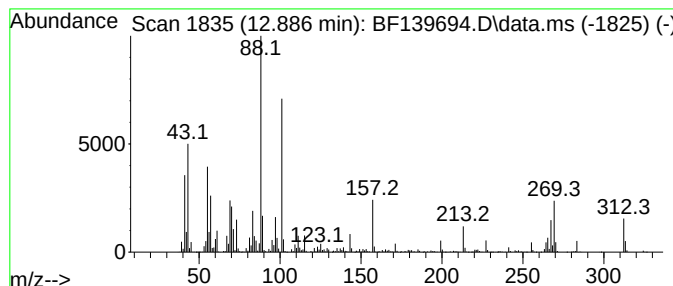
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Peak Number 14 Octadecanoic acid, ethyl ester Concentration Rank 2

| R.T.   | EstConc   | Area     | Relative to ISTD | R.T.   |
|--------|-----------|----------|------------------|--------|
| 12.886 | 391.86 ng | 42633100 | Chrysene-d12     | 14.033 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Octadecanoic acid, ethyl ester      | 312 | C20H40O2 | 000111-61-5  | 99   |
| 2    |    |   | Heptadecanoic acid, 15-methyl-, ... | 312 | C20H40O2 | 057274-46-1  | 94   |
| 3    |    |   | Ethyl 13-methyl-tetradecanoate      | 270 | C17H34O2 | 1000336-61-5 | 64   |
| 4    |    |   | Pentadecanoic acid, ethyl ester     | 270 | C17H34O2 | 041114-00-5  | 64   |
| 5    |    |   | Ethyl 15-methyl-hexadecanoate       | 298 | C19H38O2 | 1000336-64-5 | 62   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100724\  
Data File : BF139694.D  
Acq On : 07 Oct 2024 18:56  
Operator : RC/JU  
Sample : P4289-02 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EFF-Waste Water

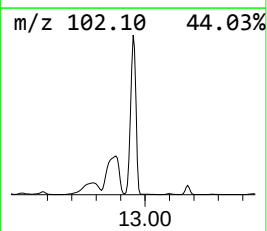
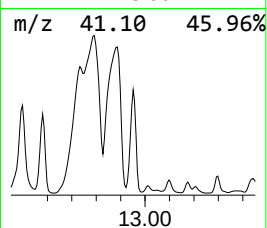
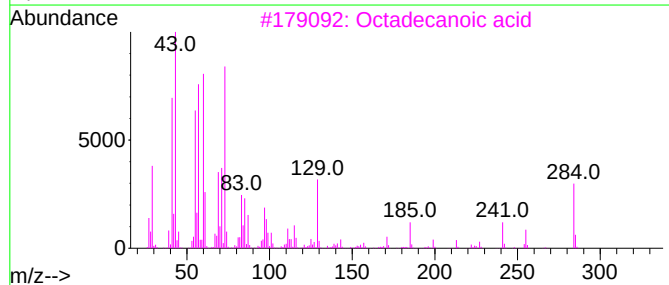
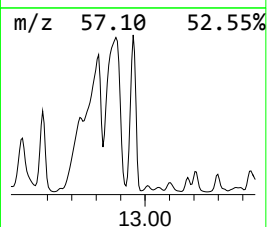
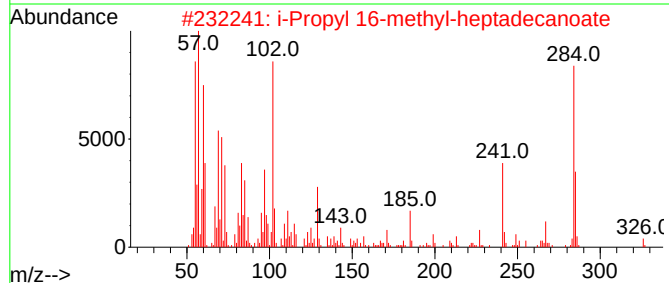
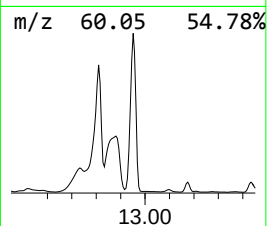
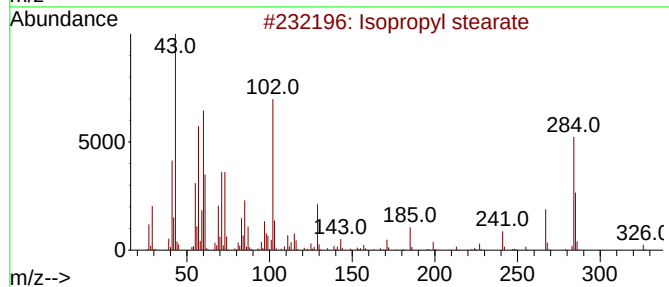
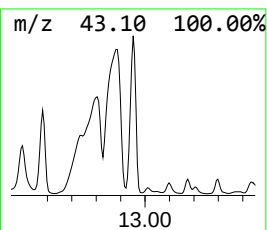
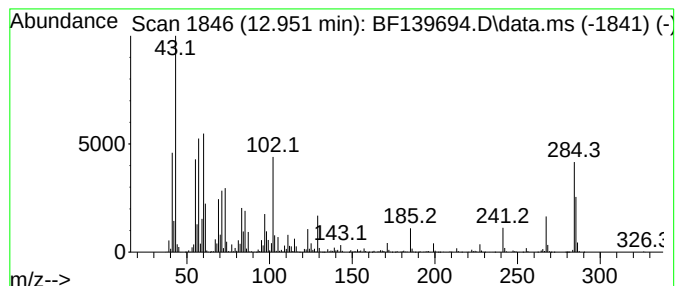
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 15 Isopropyl stearate Concentration Rank 4

| R.T.   | EstConc   | Area     | Relative to ISTD | R.T.   |
|--------|-----------|----------|------------------|--------|
| 12.951 | 113.43 ng | 12340400 | Chrysene-d12     | 14.033 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-----------------------------------|-----|----------|--------------|------|
| 1    |    |   | Isopropyl stearate                | 326 | C21H42O2 | 000112-10-7  | 87   |
| 2    |    |   | i-Propyl 16-methyl-heptadecanoate | 326 | C21H42O2 | 1000336-66-3 | 80   |
| 3    |    |   | Octadecanoic acid                 | 284 | C18H36O2 | 000057-11-4  | 50   |
| 4    |    |   | Octadecanoic acid, propyl ester   | 326 | C21H42O2 | 003634-92-2  | 38   |
| 5    |    |   | n-Capric acid isopropyl ester     | 214 | C13H26O2 | 002311-59-3  | 32   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100724\  
Data File : BF139694.D  
Acq On : 07 Oct 2024 18:56  
Operator : RC/JU  
Sample : P4289-02 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EFF-Waste Water

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

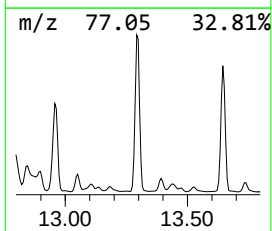
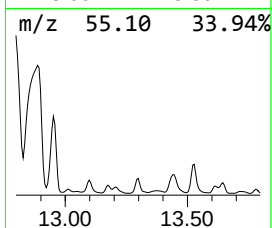
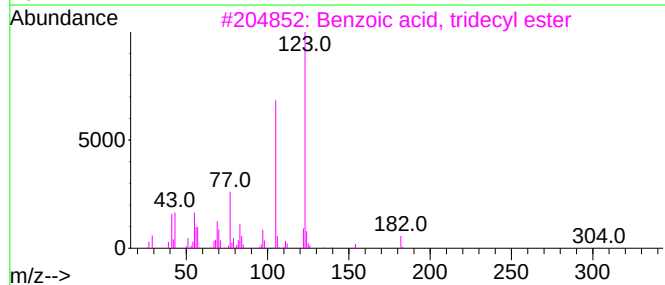
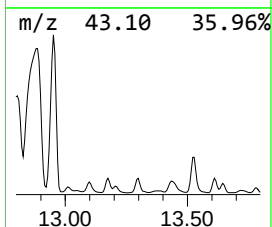
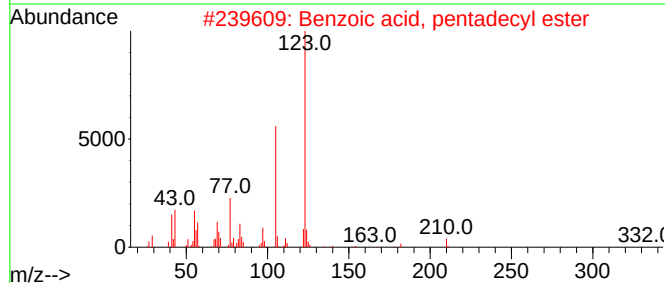
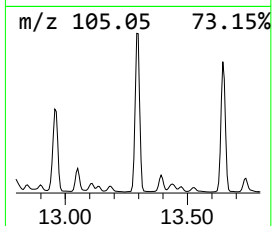
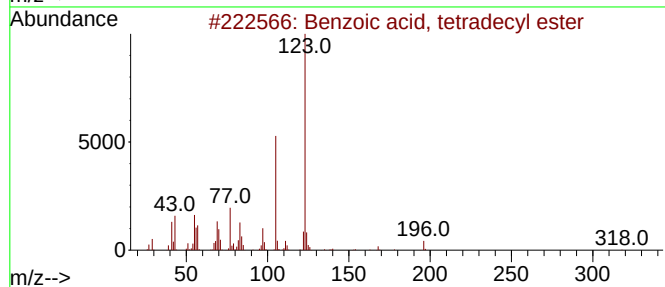
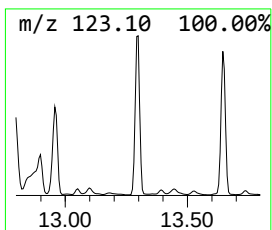
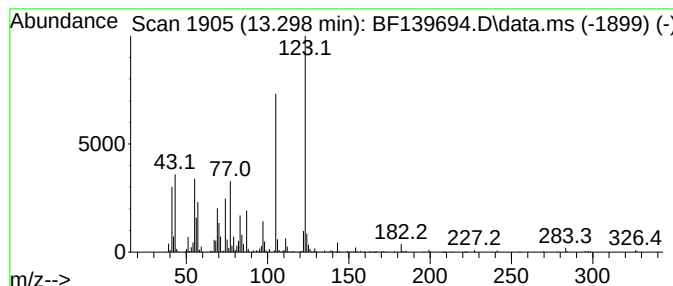
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TIC Integration Parameters: LSCINT.P

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Peak Number 16 Benzoic acid, tetradecyl ester Concentration Rank 17

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 13.298 | 18.41 ng | 2002430 | Chrysene-d12     | 14.033 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm  | CAS#         | Qual |
|------|----|---|--------------------------------|-----|----------|--------------|------|
| 1    |    |   | Benzoic acid, tetradecyl ester | 318 | C21H34O2 | 1000340-22-7 | 70   |
| 2    |    |   | Benzoic acid, pentadecyl ester | 332 | C22H36O2 | 1000340-22-8 | 62   |
| 3    |    |   | Benzoic acid, tridecyl ester   | 304 | C20H32O2 | 1010340-22-6 | 58   |
| 4    |    |   | Benzoic acid, undecyl ester    | 276 | C18H28O2 | 006316-30-9  | 53   |
| 5    |    |   | Benzoic acid, octadecyl ester  | 374 | C25H42O2 | 010578-34-4  | 53   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100724\  
Data File : BF139694.D  
Acq On : 07 Oct 2024 18:56  
Operator : RC/JU  
Sample : P4289-02 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EFF-Waste Water

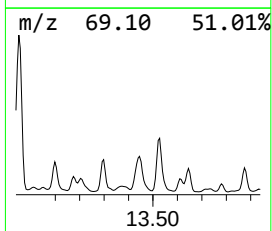
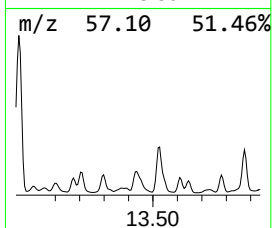
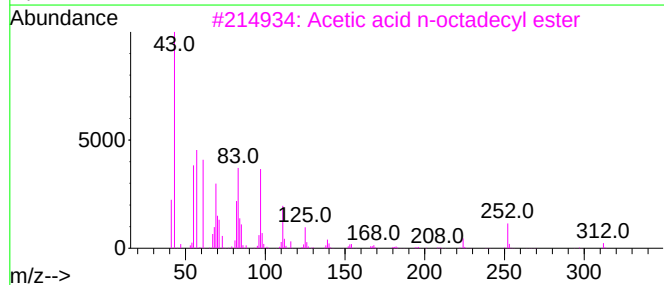
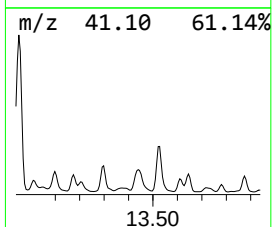
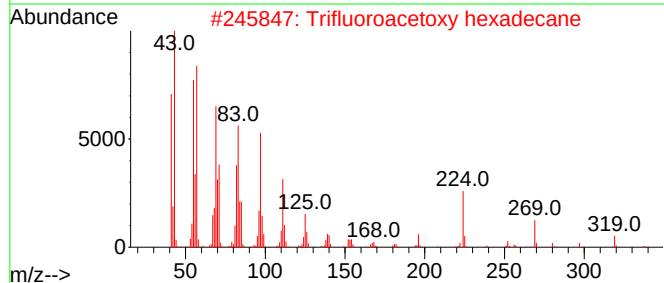
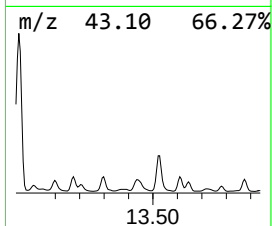
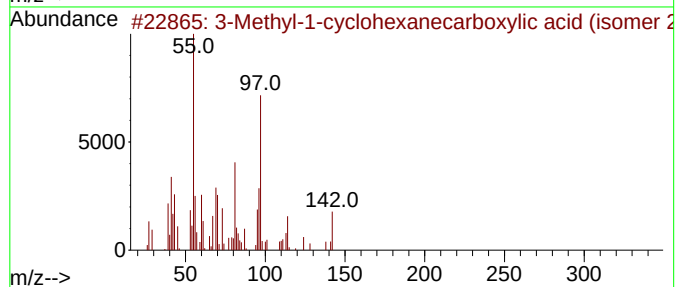
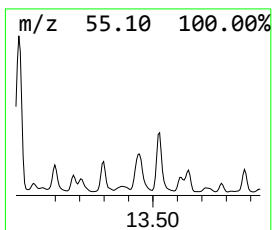
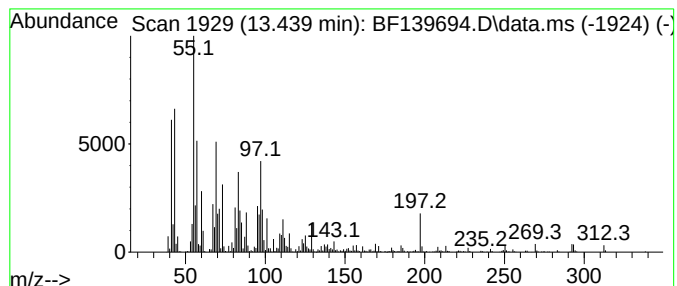
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 17 unknown13.439 Concentration Rank 12

| R.T.   | EstConc  | Area                                | Relative to ISTD | R.T.            |
|--------|----------|-------------------------------------|------------------|-----------------|
| 13.439 | 20.93 ng | 2277370                             | Chrysene-d12     | 14.033          |
| Hit#   | of 5     | Tentative ID                        | MW MolForm       | CAS# Qual       |
| 1      |          | 3-Methyl-1-cyclohexanecarboxylic... | 142 C8H14O2      | 1000453-56-9 46 |
| 2      |          | Trifluoroacetoxy hexadecane         | 338 C18H33F3O2   | 006222-03-3 44  |
| 3      |          | Acetic acid n-octadecyl ester       | 312 C20H40O2     | 000822-23-1 38  |
| 4      |          | Eicosanoic acid                     | 312 C20H40O2     | 000506-30-9 38  |
| 5      |          | cis-Vaccenic acid                   | 282 C18H34O2     | 000506-17-2 30  |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100724\  
Data File : BF139694.D  
Acq On : 07 Oct 2024 18:56  
Operator : RC/JU  
Sample : P4289-02 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EFF-Waste Water

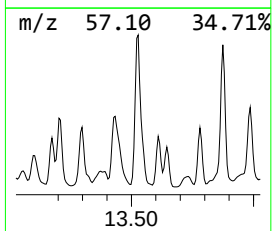
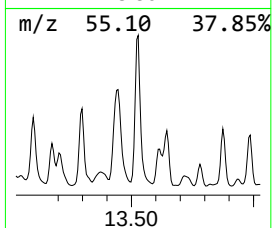
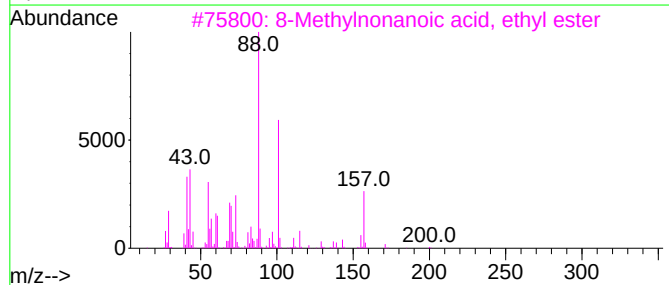
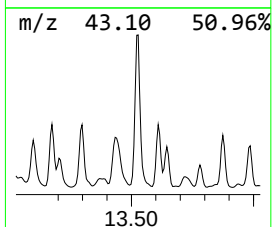
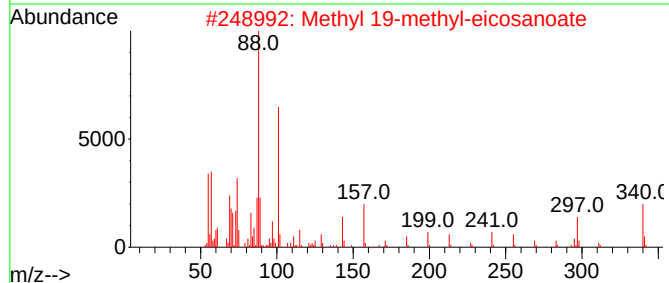
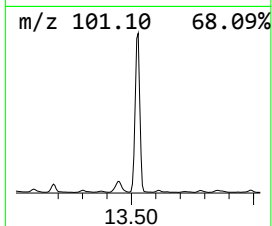
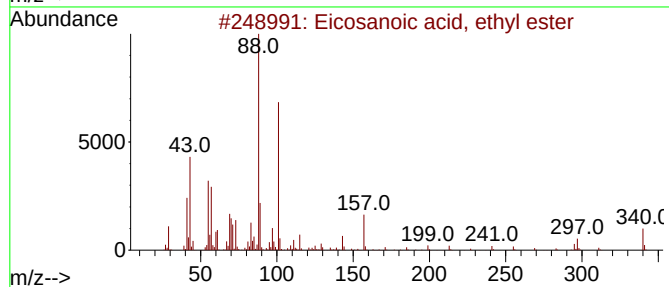
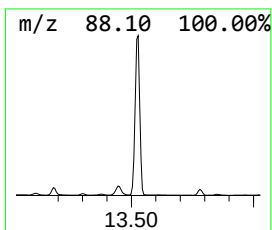
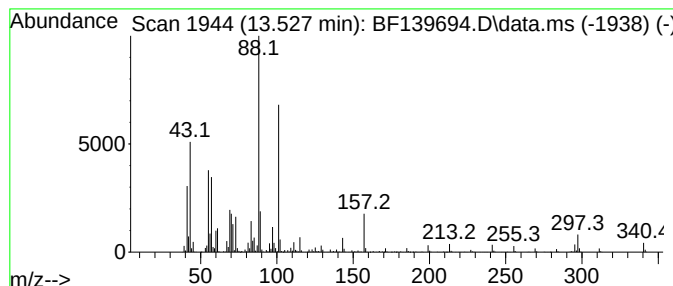
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 18 Eicosanoic acid, ethyl ester Concentration Rank 9

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 13.527 | 34.52 ng | 3756030 | Chrysene-d12     | 14.033 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|----|---|------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Eicosanoic acid, ethyl ester       | 340 | C22H44O2 | 018281-05-5  | 96   |
| 2    |    |   | Methyl 19-methyl-eicosanoate       | 340 | C22H44O2 | 1000336-23-8 | 91   |
| 3    |    |   | 8-Methylnonanoic acid, ethyl ester | 200 | C12H24O2 | 1000452-00-8 | 87   |
| 4    |    |   | Nonadecanoic acid, ethyl ester     | 326 | C21H42O2 | 018281-04-4  | 87   |
| 5    |    |   | Octadecanoic acid, ethyl ester     | 312 | C20H40O2 | 000111-61-5  | 86   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100724\  
Data File : BF139694.D  
Acq On : 07 Oct 2024 18:56  
Operator : RC/JU  
Sample : P4289-02 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EFF-Waste Water

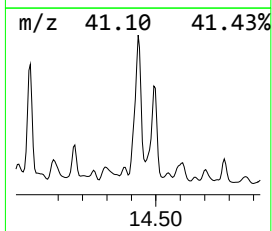
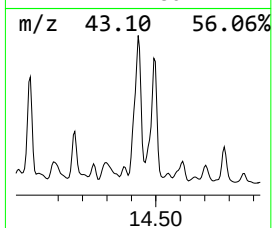
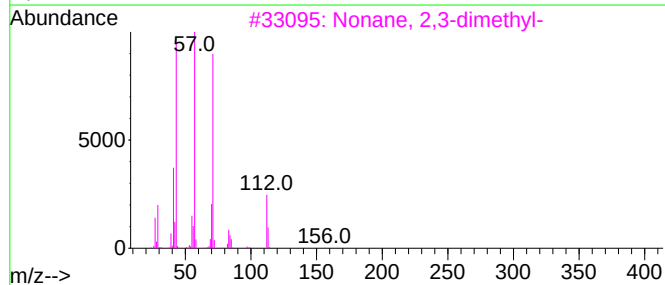
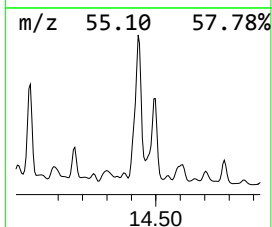
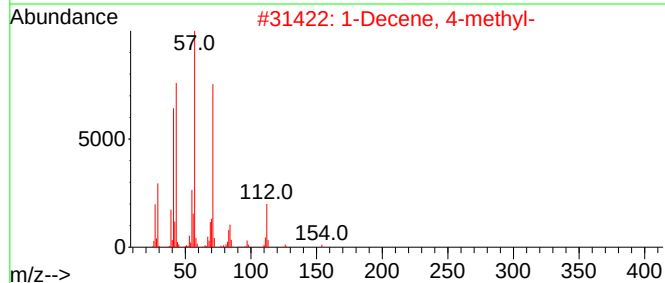
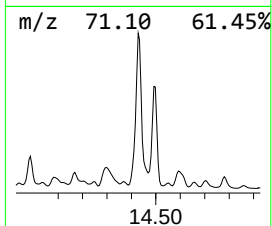
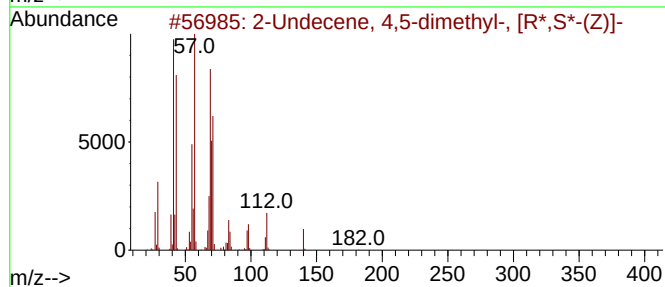
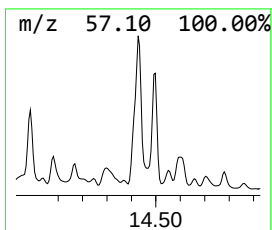
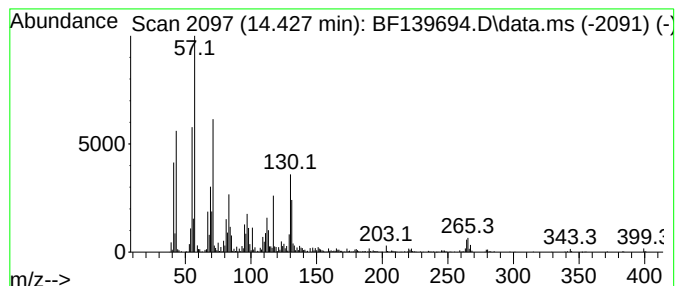
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 19 unknown14.427 Concentration Rank 16

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 14.427 | 20.00 ng | 2175950 | Chrysene-d12     | 14.033 |

| Hit# | of                                   | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|--------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 2-Undecene, 4,5-dimethyl-, [R*,S*... | 182 | C13H26       | 055170-93-9  | 38      |      |      |
| 2    | 1-Decene, 4-methyl-                  | 154 | C11H22       | 013151-29-6  | 38      |      |      |
| 3    | Nonane, 2,3-dimethyl-                | 156 | C11H24       | 002884-06-2  | 30      |      |      |
| 4    | Isobutyl octan-2-yl carbonate        | 230 | C13H26O3     | 1000372-74-7 | 30      |      |      |
| 5    | 2-Ethylhexyl mercaptoacetate         | 204 | C10H20O2S    | 007659-86-1  | 27      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100724\  
Data File : BF139694.D  
Acq On : 07 Oct 2024 18:56  
Operator : RC/JU  
Sample : P4289-02 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EFF-Waste Water

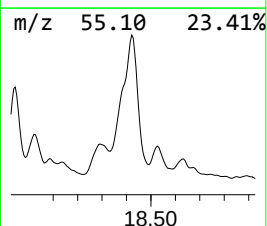
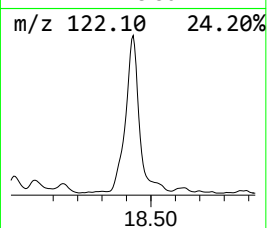
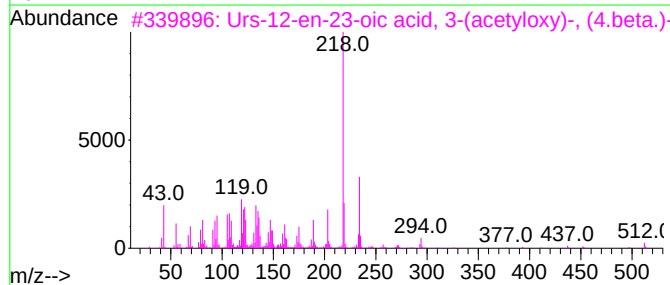
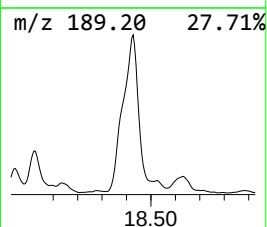
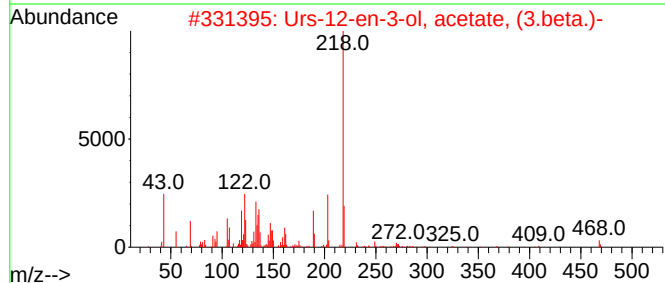
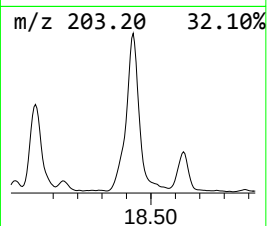
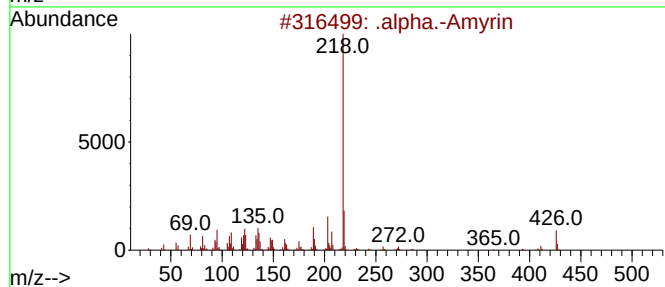
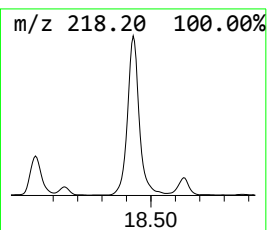
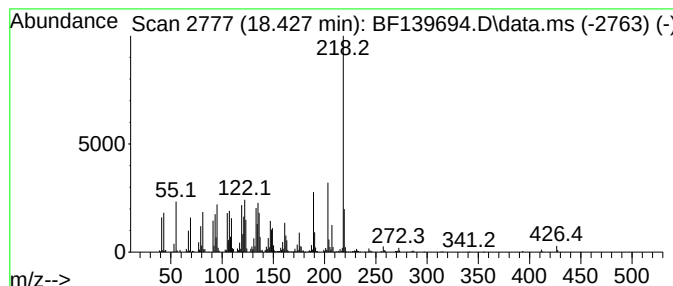
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 20 .alpha.-Amyrin Concentration Rank 11

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 18.427 | 26.14 ng | 2843650 | Perylene-d12     | 15.504 |

| Hit# | of                                  | 5   | Tentative ID   | MW  | MolForm | CAS#         | Qual |
|------|-------------------------------------|-----|----------------|-----|---------|--------------|------|
| 1    | .                                   |     | .alpha.-Amyrin | 426 | C30H50O | 000638-95-9  | 97   |
| 2    | Urs-12-en-3-ol, acetate, (3.beta.)- | 468 | C32H52O2       |     |         | 000863-76-3  | 93   |
| 3    | Urs-12-en-23-oic acid, 3-(acetyl... | 512 | C33H52O4       |     |         | 1000505-76-4 | 87   |
| 4    | 5(1H)-Azulenone, 2,4,6,7,8,8a-he... | 218 | C15H22O        |     |         | 006754-66-1  | 86   |
| 5    | 2(1H)Naphthalenone, 3,5,6,7,8,8a... | 218 | C15H22O        |     |         | 1000188-66-5 | 58   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100724\  
Data File : BF139694.D  
Acq On : 07 Oct 2024 18:56  
Operator : RC/JU  
Sample : P4289-02 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EFF-Waste Water

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100124.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 |
| 1-Hexanol, 2-et... | 6.969  | 17.6    | ng    | 10416700  | 1                     | 6.863  | 11838700  | 20.0 |
| Octanoic acid      | 8.269  | 20.0    | ng    | 7298720   | 2                     | 8.151  | 7298720   | 20.0 |
| Diisopropyl adi... | 9.698  | 20.0    | ng    | 174423000 | 3                     | 9.916  | 174423000 | 20.0 |
| unknown10.969      | 10.969 | 71.8    | ng    | 7572430   | 4                     | 11.398 | 2108200   | 20.0 |
| Tetradecanoic acid | 11.110 | 33.0    | ng    | 3479690   | 4                     | 11.398 | 2108200   | 20.0 |
| Sebacic acid, d... | 11.198 | 20.0    | ng    | 2108200   | 4                     | 11.398 | 2108200   | 20.0 |
| n-Hexadecanoic ... | 11.951 | 37.3    | ng    | 3932270   | 4                     | 11.398 | 2108200   | 20.0 |
| Ethyl tridecanoate | 12.057 | 65.7    | ng    | 6924570   | 4                     | 11.398 | 2108200   | 20.0 |
| Isopropyl palmi... | 12.169 | 17.2    | ng    | 1817130   | 4                     | 11.398 | 2108200   | 20.0 |
| 11-Octadecenoic... | 12.498 | 115.1   | ng    | 12137000  | 4                     | 11.398 | 2108200   | 20.0 |
| Methyl stearate    | 12.580 | 82.3    | ng    | 8672290   | 4                     | 11.398 | 2108200   | 20.0 |
| Ethyl Oleate       | 12.792 | 639.1   | ng    | 69533100  | 5                     | 14.033 | 2175950   | 20.0 |
| Octadecanoic ac... | 12.886 | 391.9   | ng    | 42633100  | 5                     | 14.033 | 2175950   | 20.0 |
| Isopropyl stearate | 12.951 | 113.4   | ng    | 12340400  | 5                     | 14.033 | 2175950   | 20.0 |
| Benzoic acid, t... | 13.298 | 18.4    | ng    | 2002430   | 5                     | 14.033 | 2175950   | 20.0 |
| unknown13.439      | 13.439 | 20.9    | ng    | 2277370   | 5                     | 14.033 | 2175950   | 20.0 |
| Eicosanoic acid... | 13.527 | 34.5    | ng    | 3756030   | 5                     | 14.033 | 2175950   | 20.0 |
| unknown14.427      | 14.427 | 20.0    | ng    | 2175950   | 5                     | 14.033 | 2175950   | 20.0 |
| .alpha.-Amyrin     | 18.427 | 26.1    | ng    | 2843650   | 6                     | 15.504 | 2175950   | 20.0 |