

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070523\  
 Data File : BF134081.D  
 Acq On : 05 Jul 2023 23:21  
 Operator : CG\JU  
 Sample : 03473-03  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CMC-EME-TOPSOIL-007

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-BF062623.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF134081.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         | 2.151       | 5             | 11          | 18           | rVB      | 1010714        | 1347391       | 58.40%          | 6.872%        |
| 2         | 2.263       | 26            | 30          | 38           | rVB      | 34863          | 50855         | 2.20%           | 0.259%        |
| 3         | 5.087       | 507           | 510         | 522          | rBV      | 119696         | 148537        | 6.44%           | 0.758%        |
| 4         | 5.481       | 573           | 577         | 587          | rBV      | 2210218        | 2217278       | 96.10%          | 11.308%       |
| 5         | 6.487       | 743           | 748         | 765          | rBV      | 2155010        | 2245251       | 97.31%          | 11.451%       |
| 6         | 6.845       | 806           | 809         | 816          | rBV      | 1054163        | 828543        | 35.91%          | 4.226%        |
| 7         | 7.410       | 900           | 905         | 908          | rBV      | 1619541        | 1406616       | 60.96%          | 7.174%        |
| 8         | 8.128       | 1023          | 1027        | 1030         | rBV      | 1167526        | 1029784       | 44.63%          | 5.252%        |
| 9         | 9.204       | 1206          | 1210        | 1213         | rBV      | 2718955        | 2307269       | 100.00%         | 11.767%       |
| 10        | 9.663       | 1285          | 1288        | 1291         | rVB2     | 35259          | 27827         | 1.21%           | 0.142%        |
| 11        | 9.880       | 1322          | 1325        | 1329         | rBV      | 1311279        | 1200193       | 52.02%          | 6.121%        |
| 12        | 10.598      | 1444          | 1447        | 1453         | rBV      | 262583         | 206139        | 8.93%           | 1.051%        |
| 13        | 10.674      | 1456          | 1460        | 1470         | rBV      | 1344999        | 1140124       | 49.41%          | 5.815%        |
| 14        | 11.380      | 1576          | 1580        | 1583         | rBV      | 1119958        | 1058170       | 45.86%          | 5.397%        |
| 15        | 11.427      | 1586          | 1588        | 1592         | rVV      | 45832          | 46340         | 2.01%           | 0.236%        |
| 16        | 11.480      | 1594          | 1597        | 1600         | rVB      | 29165          | 27241         | 1.18%           | 0.139%        |
| 17        | 11.904      | 1666          | 1669        | 1673         | rBV2     | 45614          | 51956         | 2.25%           | 0.265%        |
| 18        | 12.598      | 1784          | 1787        | 1790         | rBV      | 31281          | 29256         | 1.27%           | 0.149%        |
| 19        | 12.698      | 1799          | 1804        | 1817         | rBV      | 59004          | 103365        | 4.48%           | 0.527%        |
| 20        | 12.810      | 1820          | 1823        | 1825         | rBV      | 57120          | 48261         | 2.09%           | 0.246%        |
| 21        | 12.974      | 1847          | 1851        | 1854         | rBV      | 1817525        | 1526205       | 66.15%          | 7.784%        |
| 22        | 13.204      | 1887          | 1890        | 1895         | rBV      | 69803          | 68053         | 2.95%           | 0.347%        |
| 23        | 13.551      | 1944          | 1949        | 1952         | rBV      | 91782          | 87032         | 3.77%           | 0.444%        |
| 24        | 13.880      | 2002          | 2005        | 2018         | rVB3     | 154081         | 310830        | 13.47%          | 1.585%        |
| 25        | 14.039      | 2028          | 2032        | 2038         | rVB      | 775488         | 723298        | 31.35%          | 3.689%        |
| 26        | 14.198      | 2056          | 2059        | 2062         | rBV      | 120245         | 117891        | 5.11%           | 0.601%        |
| 27        | 14.510      | 2108          | 2112        | 2115         | rBV      | 146108         | 143543        | 6.22%           | 0.732%        |
| 28        | 14.821      | 2162          | 2165        | 2169         | rVB      | 124569         | 126575        | 5.49%           | 0.646%        |
| 29        | 14.898      | 2175          | 2178        | 2182         | rVB      | 59031          | 60290         | 2.61%           | 0.307%        |
| 30        | 15.174      | 2221          | 2225        | 2229         | rVB      | 166486         | 182423        | 7.91%           | 0.930%        |
| 31        | 15.539      | 2283          | 2287        | 2291         | rBV      | 432737         | 564977        | 24.49%          | 2.881%        |
| 32        | 16.033      | 2367          | 2371        | 2378         | rVB      | 76989          | 113778        | 4.93%           | 0.580%        |
| 33        | 16.486      | 2445          | 2448        | 2453         | rVB7     | 44522          | 62461         | 2.71%           | 0.319%        |

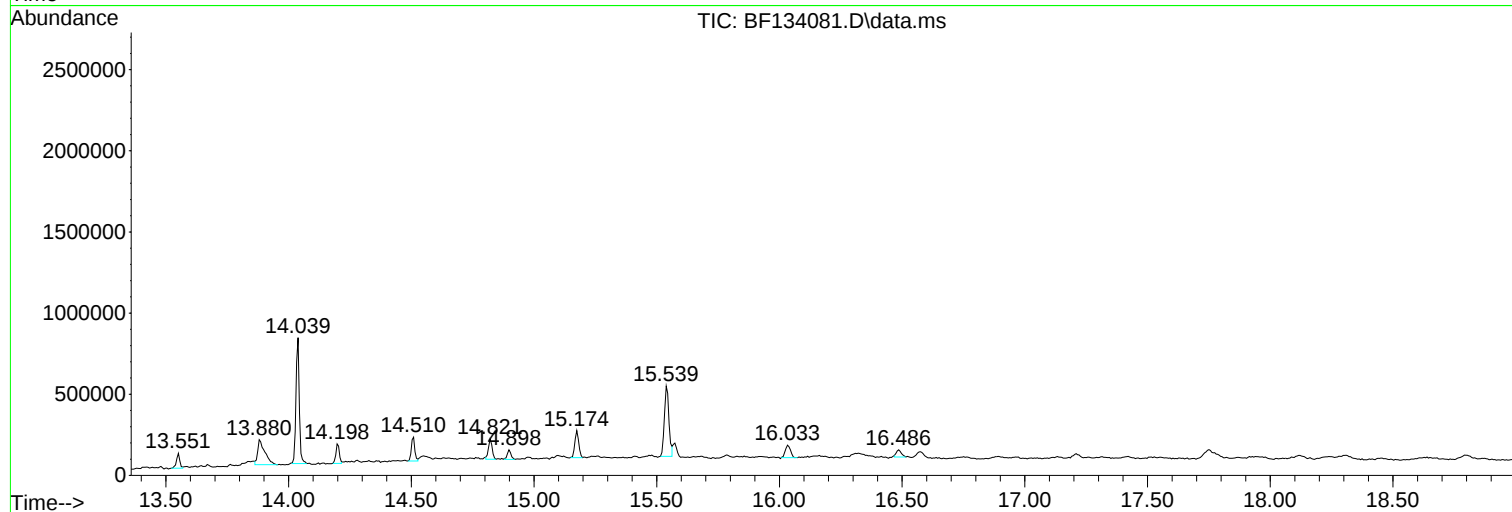
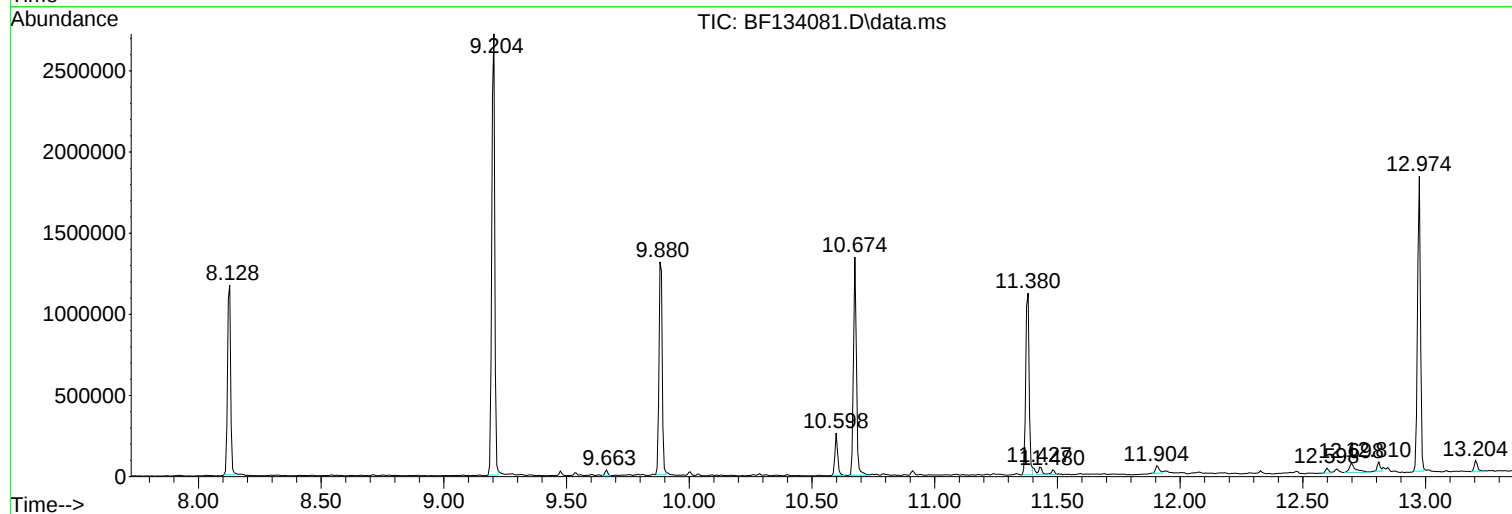
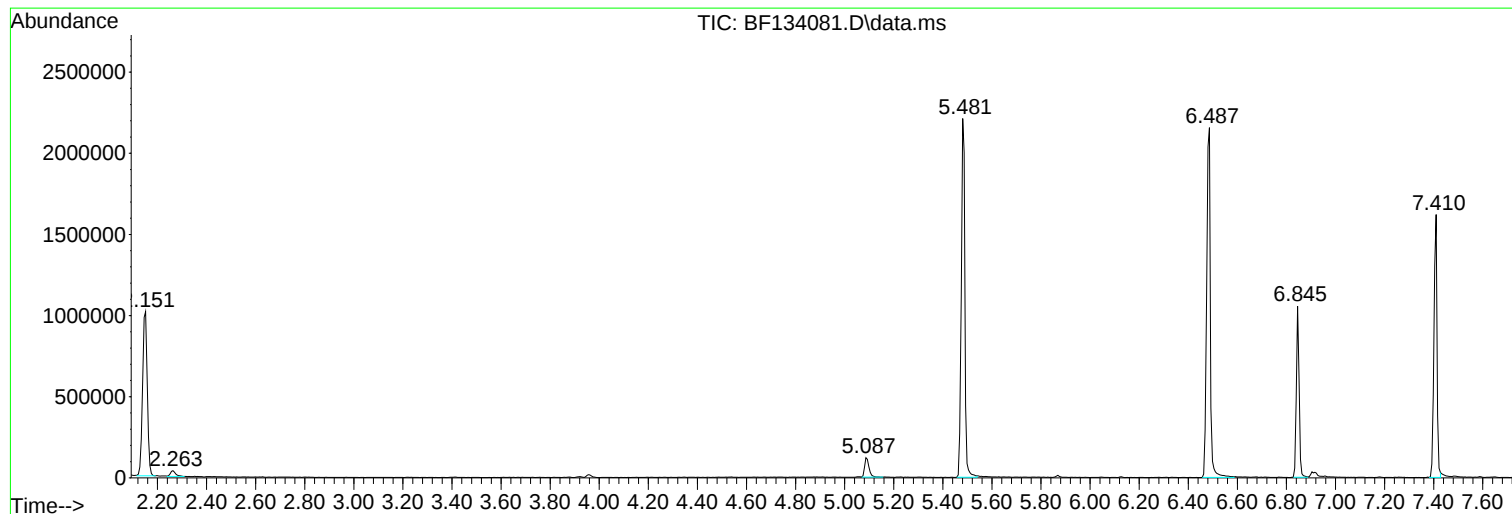
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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CMC-EME-TOPSOIL-007

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.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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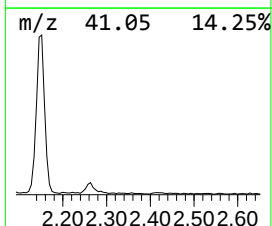
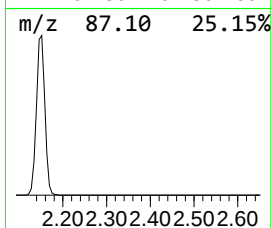
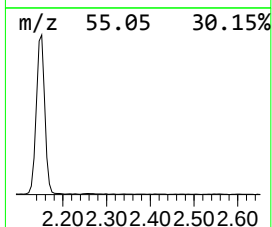
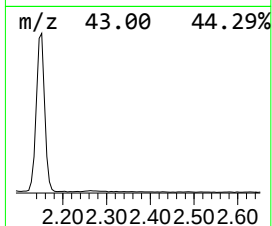
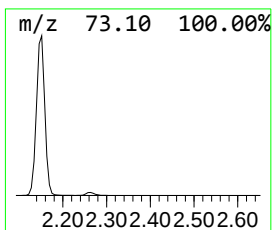
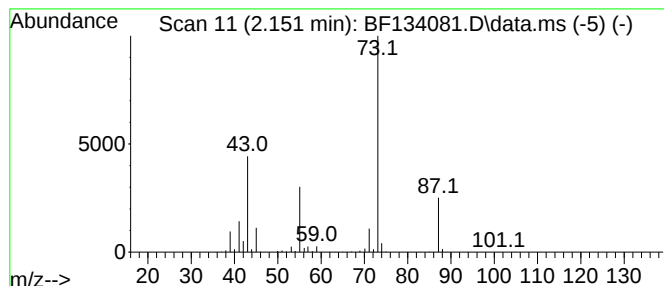
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T.  | EstConc  | Area    | Relative to ISTD       | R.T.  |
|-------|----------|---------|------------------------|-------|
| 2.151 | 32.52 ng | 1347390 | 1,4-Dichlorobenzene-d4 | 6.845 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    |   | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 39   |
| 3    |    |   | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 37   |
| 4    |    |   | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 12   |
| 5    |    |   | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 12   |



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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

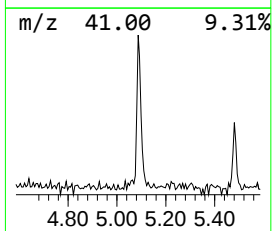
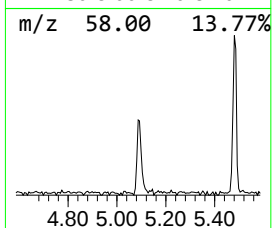
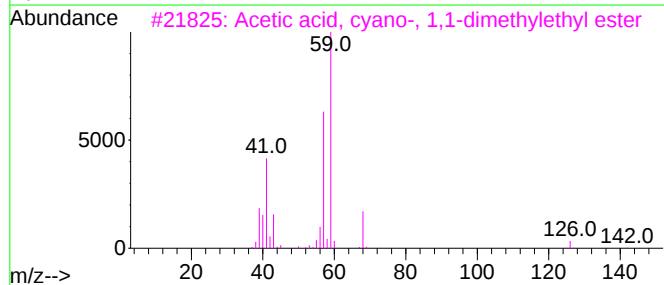
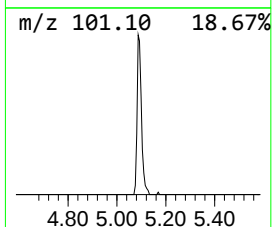
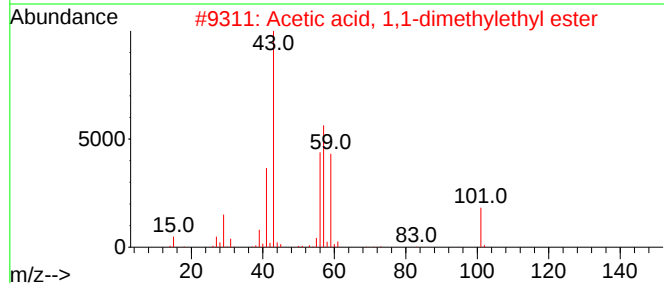
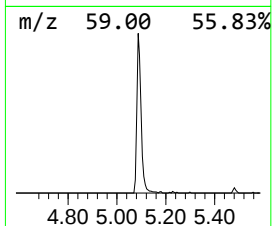
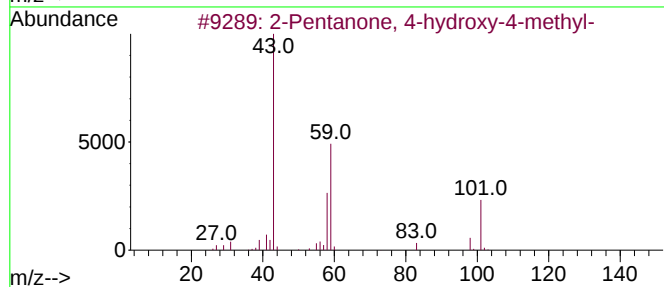
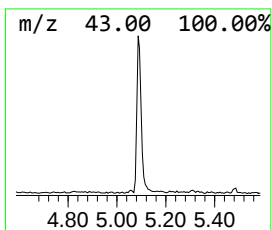
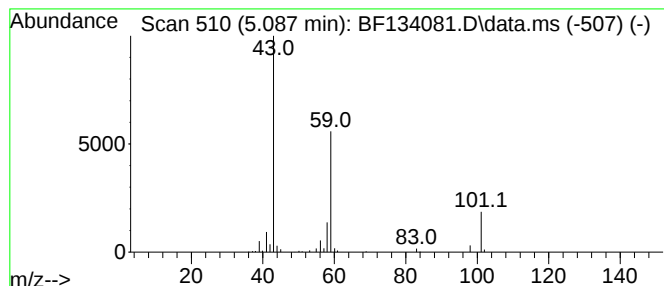
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 5.087 | 3.59 ng | 148537 | 1,4-Dichlorobenzene-d4 | 6.845 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2      | 000123-42-2 | 64      |      |      |
| 2    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2      | 000540-88-5 | 39      |      |      |
| 3    | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2     | 001116-98-9 | 25      |      |      |
| 4    | 2,3-Butanedione, monooxime          | 101 | C4H7NO2      | 000057-71-6 | 16      |      |      |
| 5    | 1-Propen-2-ol, acetate              | 100 | C5H8O2       | 000108-22-5 | 10      |      |      |



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Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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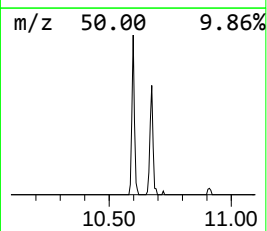
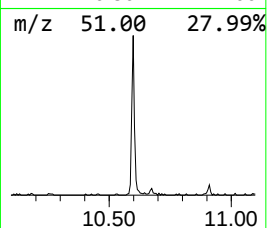
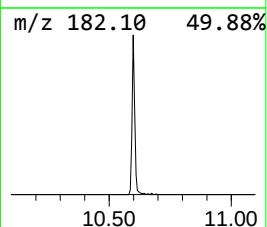
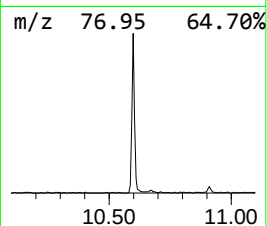
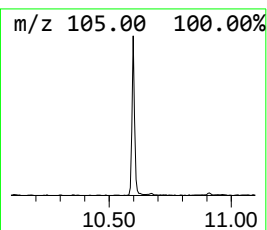
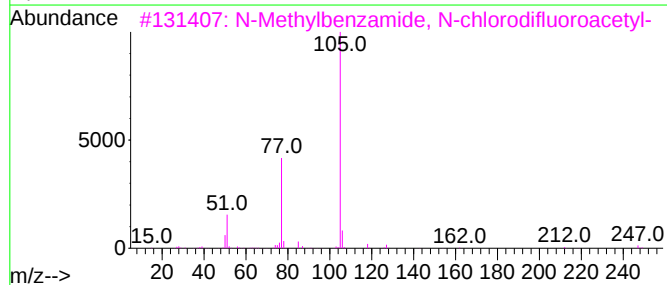
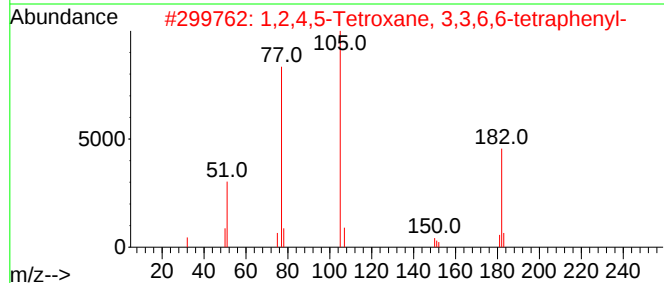
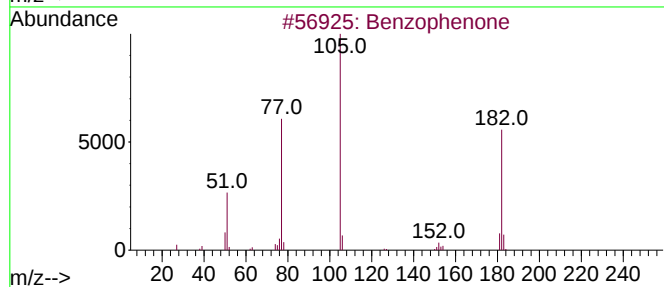
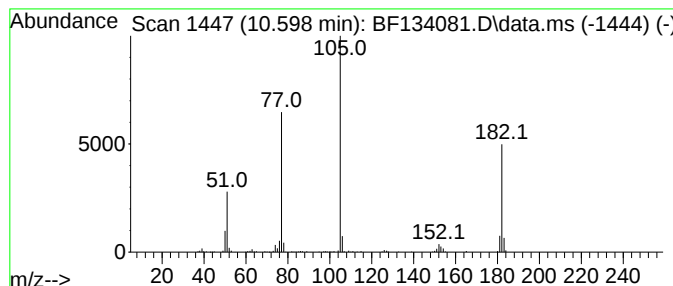
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Benzophenone Concentration Rank 8

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.  |
|--------|---------|--------|------------------|-------|
| 10.598 | 3.44 ng | 206139 | Acenaphthene-d10 | 9.880 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm      | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|--------------|--------------|------|
| 1    |    |   | Benzophenone                        | 182 | C13H10O      | 000119-61-9  | 96   |
| 2    |    |   | 1,2,4,5-Tetroxane, 3,3,6,6-tetra... | 396 | C26H20O4     | 016204-36-7  | 78   |
| 3    |    |   | N-Methylbenzamide, N-chlorodiflu... | 247 | C10H8ClF2NO2 | 1000446-98-2 | 50   |
| 4    |    |   | N-Methylbenzamide, N-trifluoroac... | 231 | C10H8F3NO2   | 1000446-91-5 | 50   |
| 5    |    |   | N-Methoxy-N-methylbenzamide         | 165 | C9H11NO2     | 006919-61-5  | 50   |



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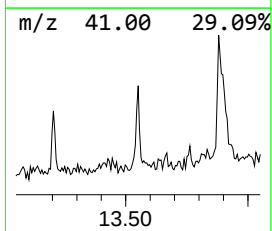
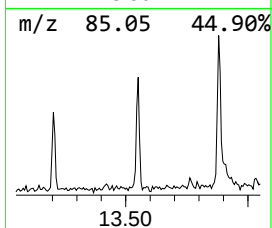
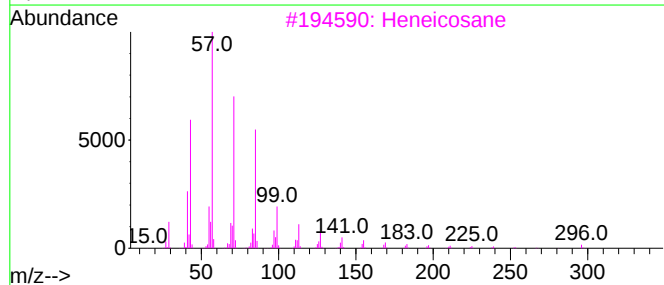
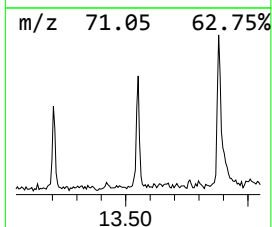
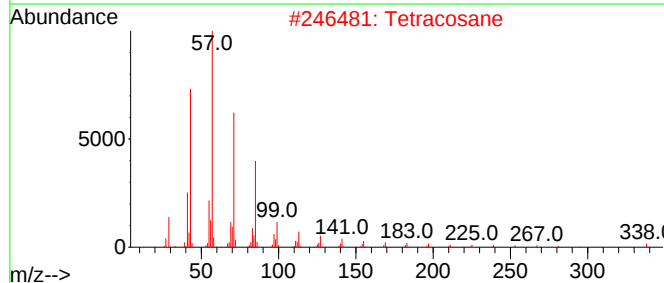
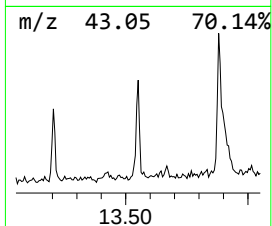
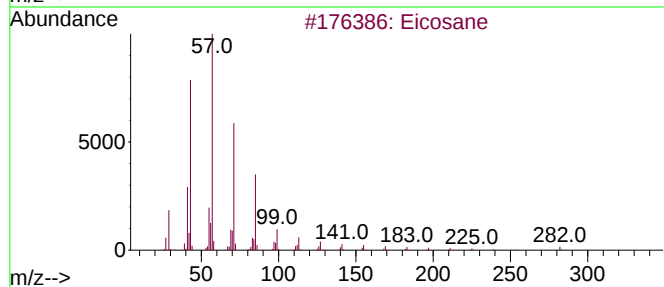
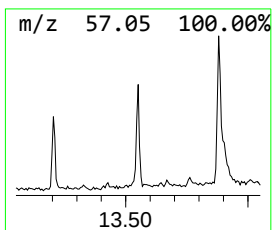
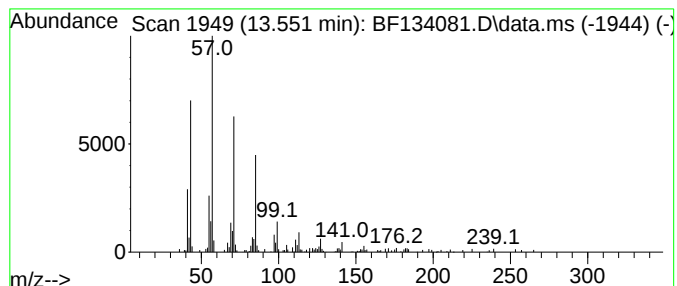
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Peak Number 4 Eicosane Concentration Rank 10

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 13.551 | 2.41 ng | 87032 | Chrysene-d12     | 14.039 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Eicosane     | 282 | C20H42  | 000112-95-8 | 91   |
| 2    |    |   | Tetracosane  | 338 | C24H50  | 000646-31-1 | 91   |
| 3    |    |   | Heneicosane  | 296 | C21H44  | 000629-94-7 | 91   |
| 4    |    |   | Hexacosane   | 366 | C26H54  | 000630-01-3 | 91   |
| 5    |    |   | Octacosane   | 394 | C28H58  | 000630-02-4 | 91   |



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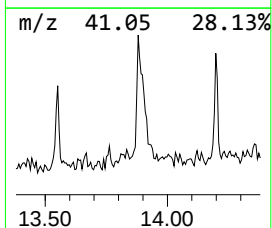
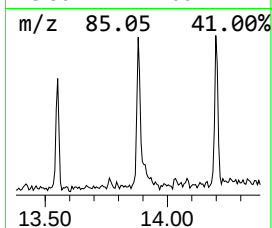
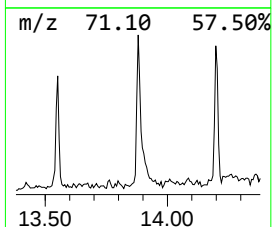
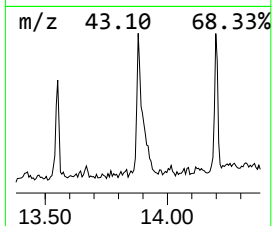
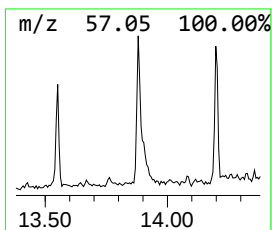
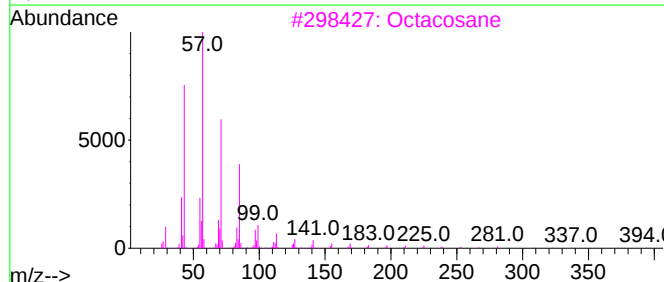
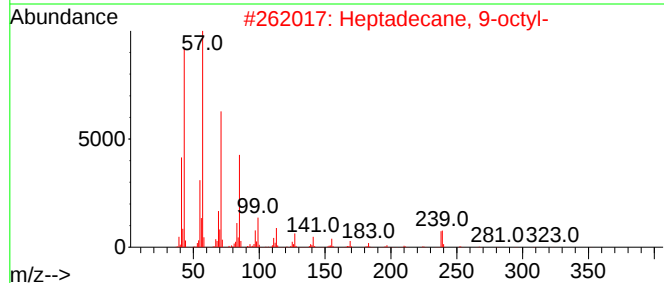
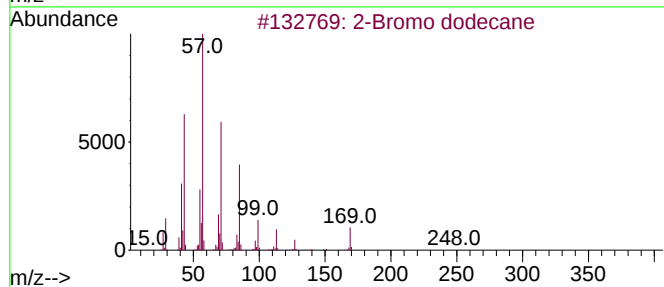
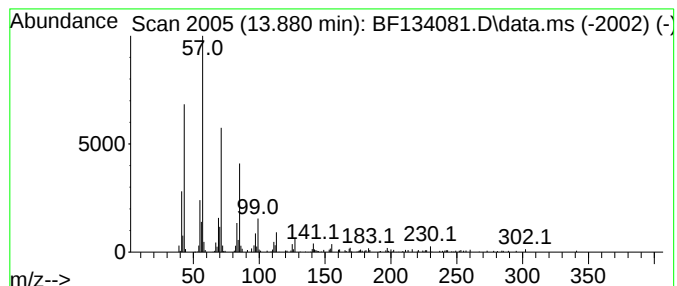
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 2-Bromo dodecane Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.880 | 8.59 ng | 310830 | Chrysene-d12     | 14.039 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-----------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Bromo dodecane      | 248 | C12H25Br | 013187-99-0 | 93   |
| 2    |    |   | Heptadecane, 9-octyl- | 352 | C25H52   | 007225-64-1 | 90   |
| 3    |    |   | Octacosane            | 394 | C28H58   | 000630-02-4 | 90   |
| 4    |    |   | Docosane, 11-butyl-   | 366 | C26H54   | 013475-76-8 | 90   |
| 5    |    |   | Pentacosane           | 352 | C25H52   | 000629-99-2 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070523\  
Data File : BF134081.D  
Acq On : 05 Jul 2023 23:21  
Operator : CG\JU  
Sample : 03473-03  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CMC-EME-TOPSOIL-007

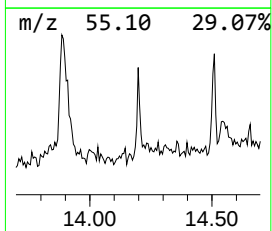
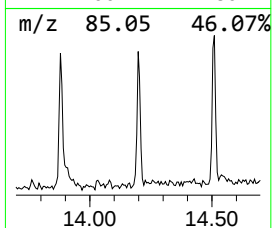
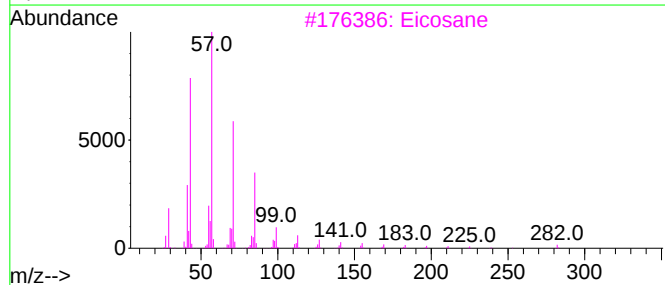
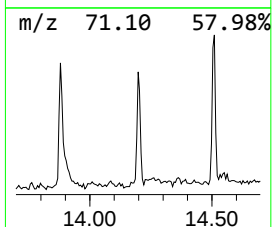
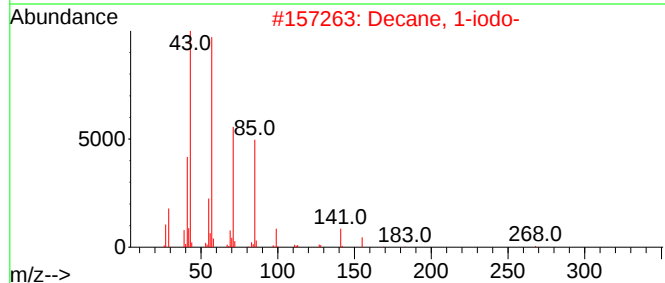
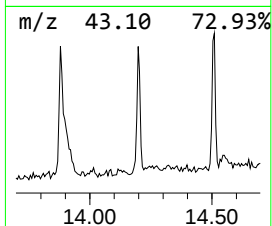
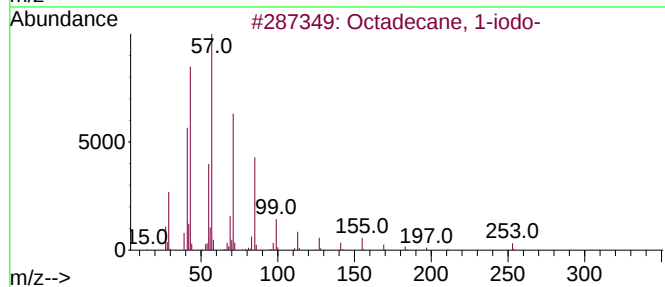
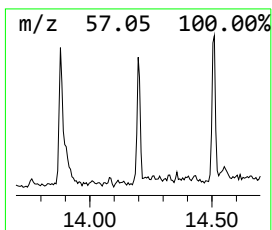
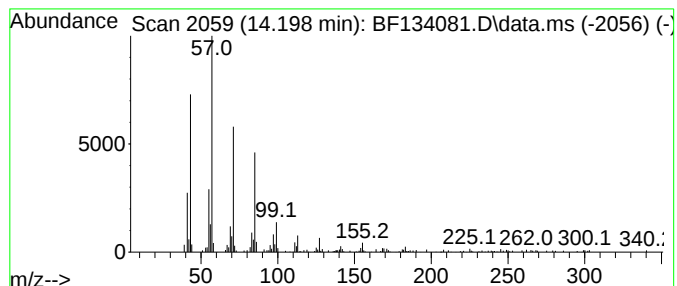
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 Octadecane, 1-iodo- Concentration Rank 9

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 14.198 | 3.26 ng | 117891 | Chrysene-d12     | 14.039 |

| Hit# | of 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------|-----|---------|-------------|------|
| 1    |      | Octadecane, 1-iodo-  | 380 | C18H37I | 000629-93-6 | 90   |
| 2    |      | Decane, 1-iodo-      | 268 | C10H21I | 002050-77-3 | 90   |
| 3    |      | Eicosane             | 282 | C20H42  | 000112-95-8 | 87   |
| 4    |      | Tetradecane, 1-iodo- | 324 | C14H29I | 019218-94-1 | 87   |
| 5    |      | Tridecane, 1-iodo-   | 310 | C13H27I | 035599-77-0 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070523\  
Data File : BF134081.D  
Acq On : 05 Jul 2023 23:21  
Operator : CG\JU  
Sample : 03473-03  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CMC-EME-TOPSOIL-007

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

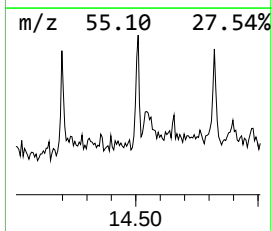
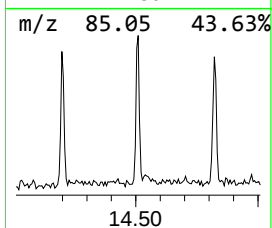
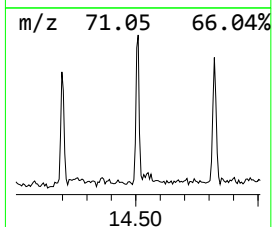
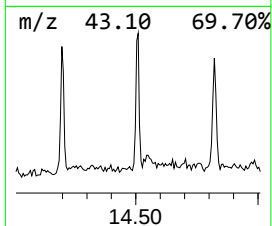
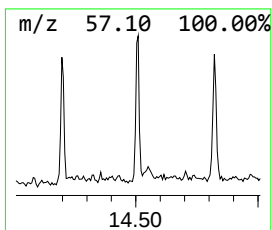
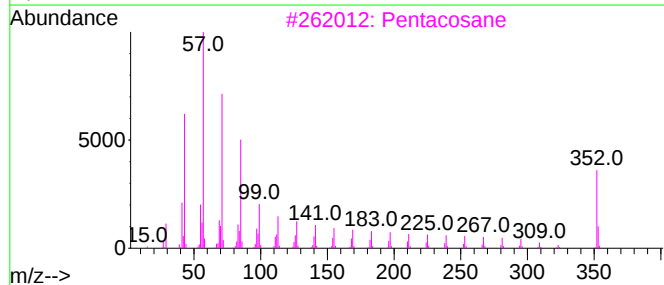
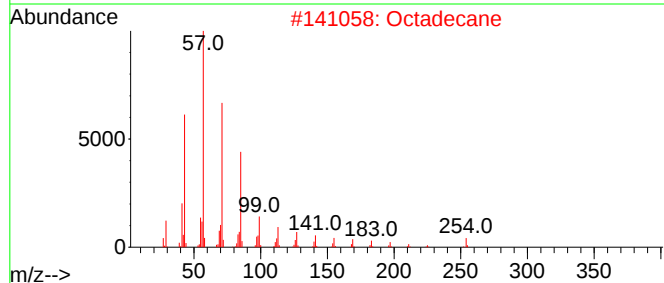
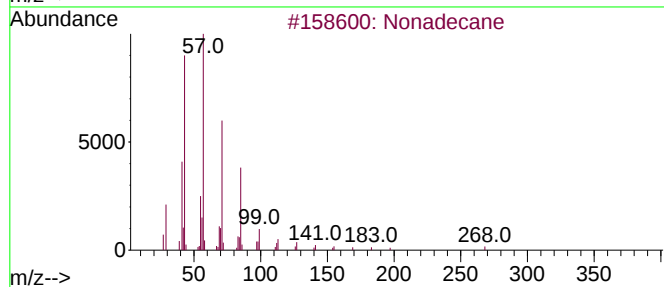
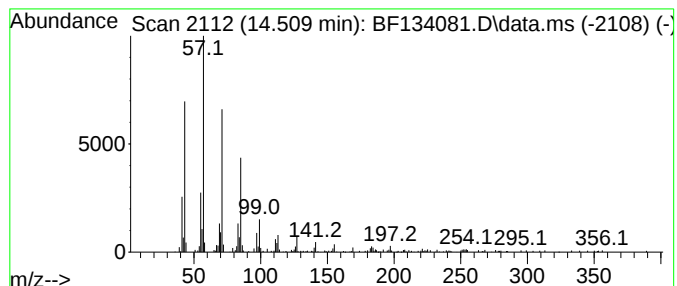
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 Nonadecane Concentration Rank 6

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 14.509 | 3.97 ng | 143543 | Chrysene-d12     | 14.039 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Nonadecane             | 268 | C19H40  | 000629-92-5 | 93   |
| 2    |    |   | Octadecane             | 254 | C18H38  | 000593-45-3 | 93   |
| 3    |    |   | Pentacosane            | 352 | C25H52  | 000629-99-2 | 87   |
| 4    |    |   | Docosane, 11-butyl-    | 366 | C26H54  | 013475-76-8 | 87   |
| 5    |    |   | Heneicosane, 11-decyl- | 437 | C31H64  | 055320-06-4 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070523\  
Data File : BF134081.D  
Acq On : 05 Jul 2023 23:21  
Operator : CG\JU  
Sample : 03473-03  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CMC-EME-TOPSOIL-007

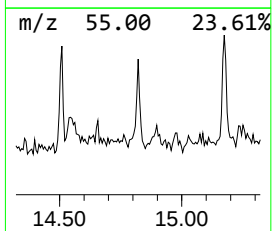
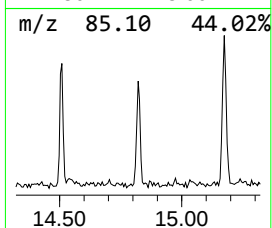
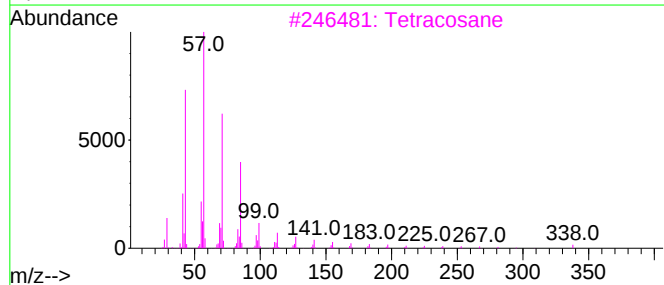
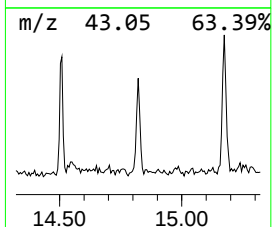
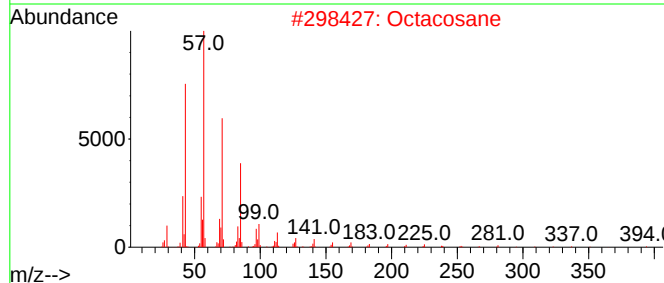
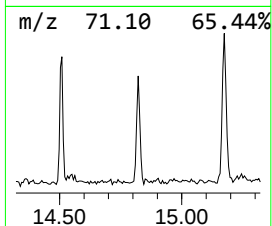
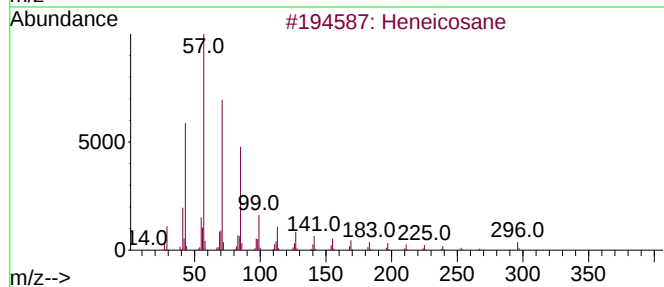
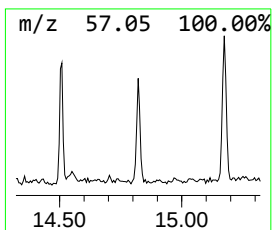
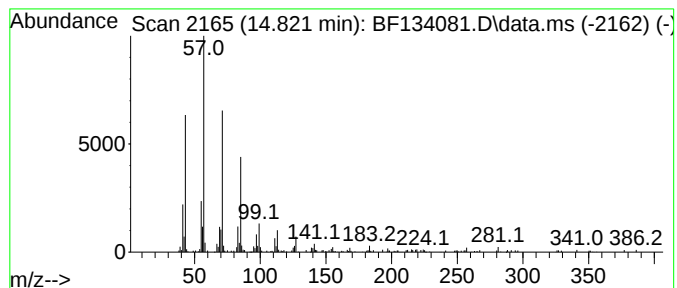
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 Heneicosane Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 14.821 | 4.48 ng | 126575 | Perylene-d12     | 15.539 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Heneicosane          | 296 | C21H44  | 000629-94-7 | 93   |
| 2    |    |   | Octacosane           | 394 | C28H58  | 000630-02-4 | 90   |
| 3    |    |   | Tetracosane          | 338 | C24H50  | 000646-31-1 | 90   |
| 4    |    |   | Docosane             | 310 | C22H46  | 000629-97-0 | 87   |
| 5    |    |   | Tetradecane, 1-iodo- | 324 | C14H29I | 019218-94-1 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070523\  
Data File : BF134081.D  
Acq On : 05 Jul 2023 23:21  
Operator : CG\JU  
Sample : 03473-03  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CMC-EME-TOPSOIL-007

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

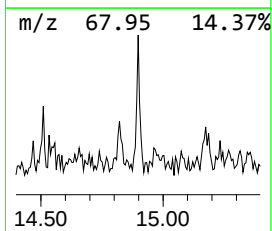
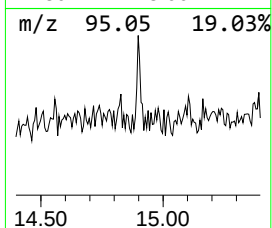
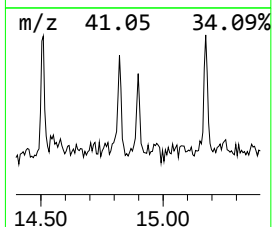
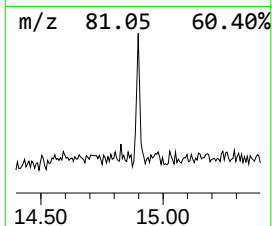
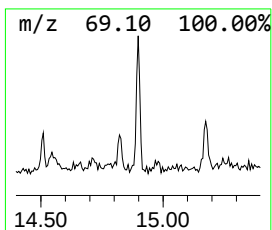
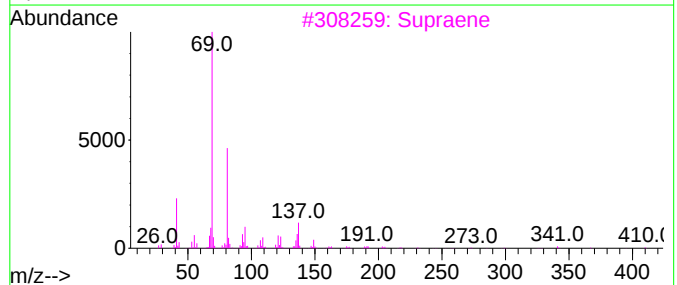
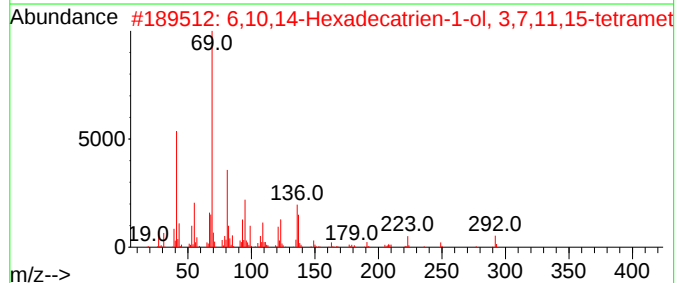
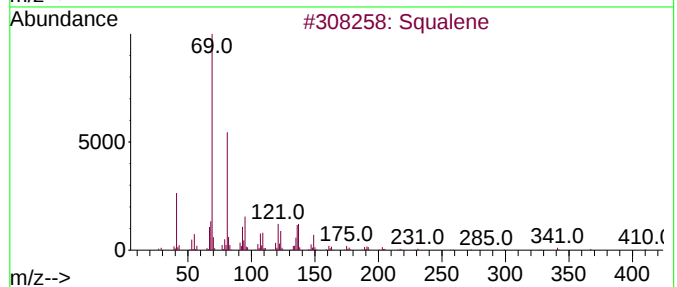
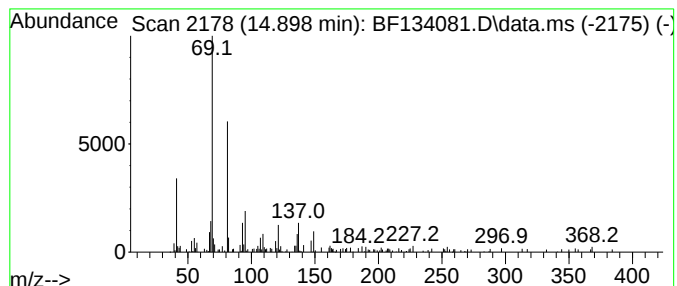
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 Squalene Concentration Rank 12

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 14.898 | 2.13 ng | 60290 | Perylene-d12     | 15.539 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Squalene                            | 410 | C30H50   | 000111-02-4  | 80   |
| 2    |    |   | 6,10,14-Hexadecatrien-1-ol, 3,7,... | 292 | C20H36O  | 036237-66-8  | 72   |
| 3    |    |   | Supraene                            | 410 | C30H50   | 007683-64-9  | 64   |
| 4    |    |   | 2,6,10,14-Hexadecatetraen-1-ol, ... | 332 | C22H36O2 | 061691-98-3  | 59   |
| 5    |    |   | 1-(Pyrrolidin-3-yl)pyrazole         | 137 | C7H11N3  | 1000459-08-8 | 59   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070523\  
Data File : BF134081.D  
Acq On : 05 Jul 2023 23:21  
Operator : CG\JU  
Sample : 03473-03  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CMC-EME-TOPSOIL-007

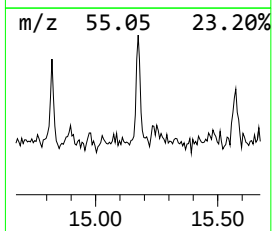
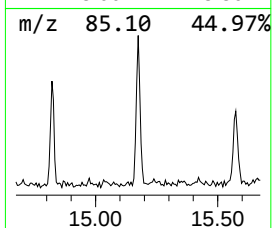
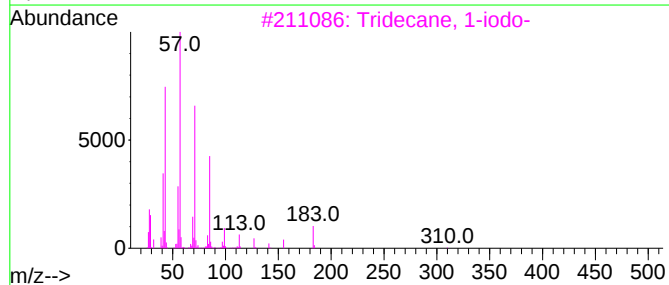
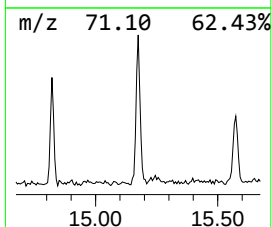
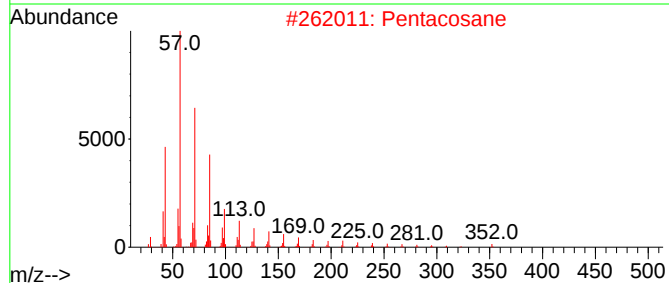
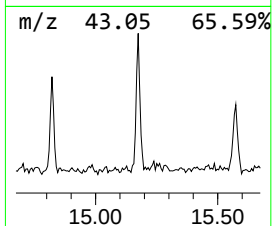
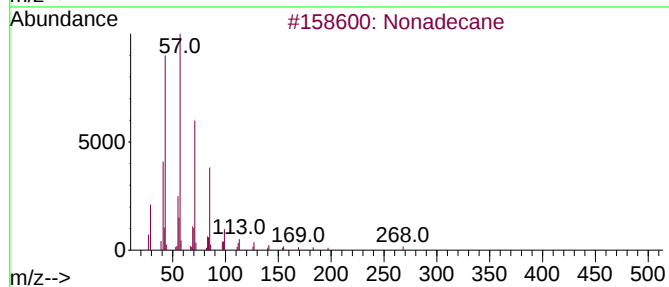
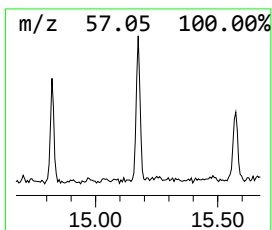
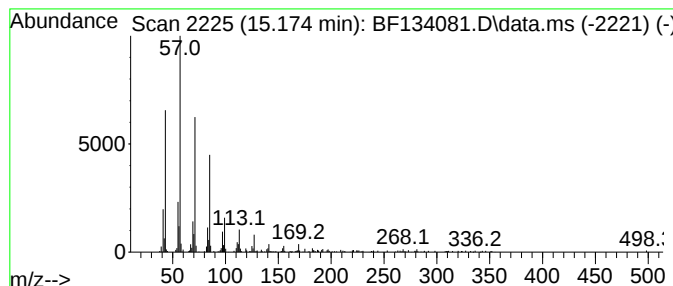
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 Pentacosane Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.174 | 6.46 ng | 182423 | Perylene-d12     | 15.539 |

| Hit# | of 5 | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|------|---------------------|-----|---------|-------------|------|
| 1    |      | Nonadecane          | 268 | C19H40  | 000629-92-5 | 93   |
| 2    |      | Pentacosane         | 352 | C25H52  | 000629-99-2 | 91   |
| 3    |      | Tridecane, 1-iodo-  | 310 | C13H27I | 035599-77-0 | 91   |
| 4    |      | 4-Methylheneicosane | 310 | C22H46  | 025117-29-7 | 87   |
| 5    |      | 9-Methylheneicosane | 310 | C22H46  | 070475-51-3 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070523\  
Data File : BF134081.D  
Acq On : 05 Jul 2023 23:21  
Operator : CG\JU  
Sample : 03473-03  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
CMC-EME-TOPSOIL-007

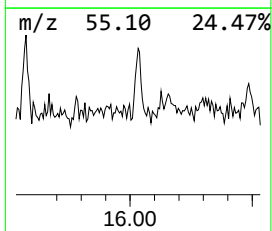
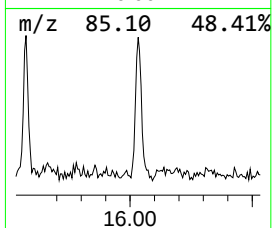
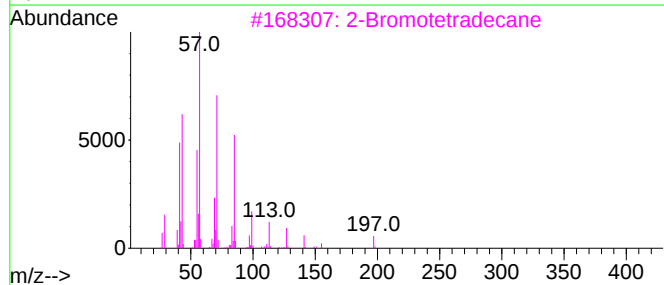
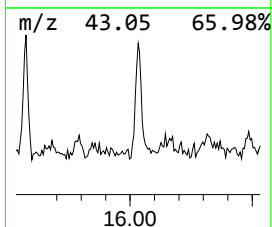
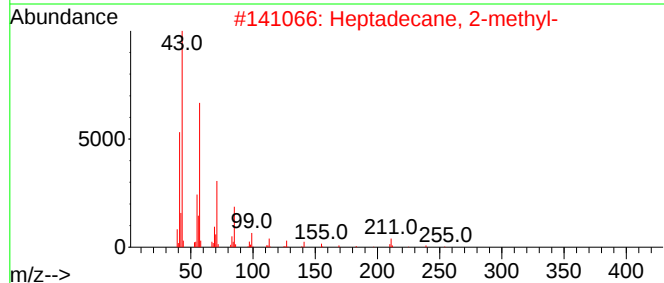
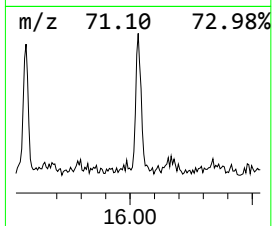
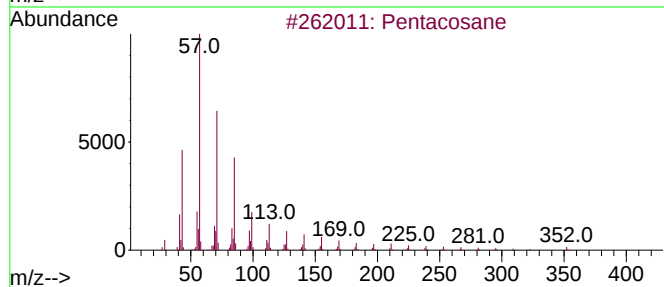
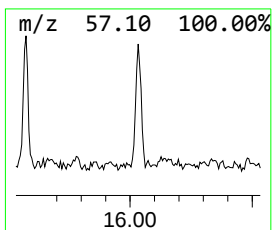
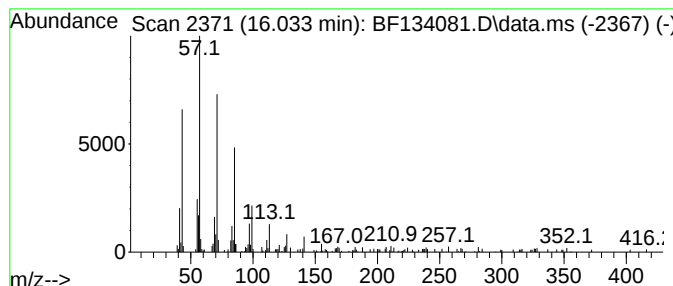
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 11 Heptadecane, 2-methyl- Concentration Rank 5

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 16.033 | 4.03 ng | 113778 | Perylene-d12     | 15.539 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm  | CAS#         | Qual |
|------|----|---|------------------------|-----|----------|--------------|------|
| 1    |    |   | Pentacosane            | 352 | C25H52   | 000629-99-2  | 93   |
| 2    |    |   | Heptadecane, 2-methyl- | 254 | C18H38   | 001560-89-0  | 87   |
| 3    |    |   | 2-Bromotetradecane     | 276 | C14H29Br | 074036-95-6  | 87   |
| 4    |    |   | Heneicosane            | 296 | C21H44   | 000629-94-7  | 86   |
| 5    |    |   | Octacosane, 1-iodo-    | 520 | C28H57I  | 1000406-32-2 | 86   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070523\  
Data File : BF134081.D  
Acq On : 05 Jul 2023 23:21  
Operator : CG\JU  
Sample : 03473-03  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CMC-EME-TOPSOIL-007

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

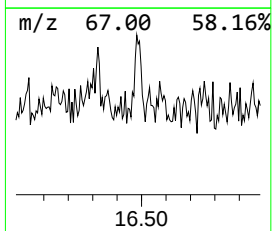
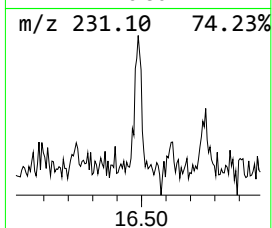
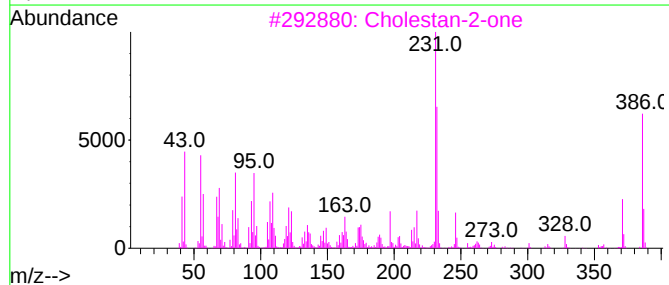
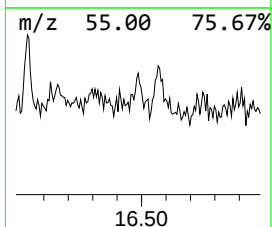
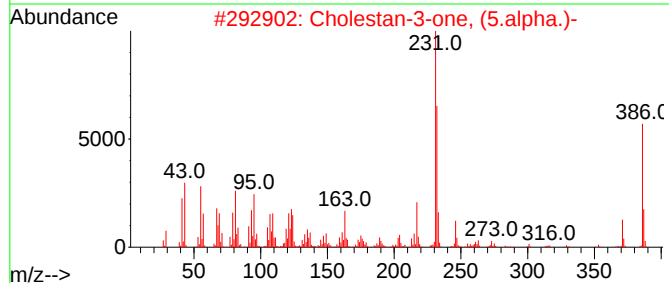
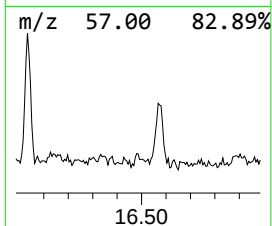
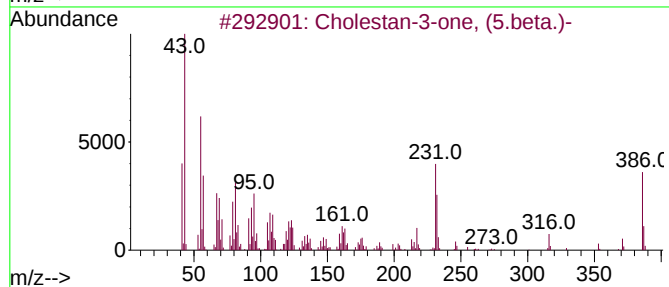
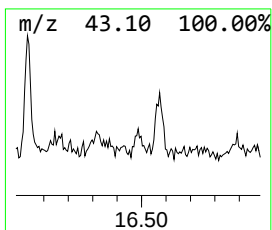
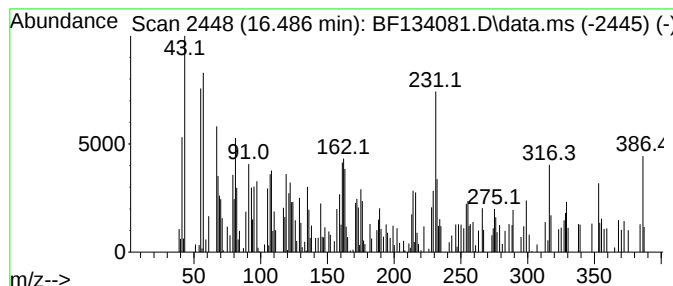
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Peak Number 12 unknown16.486 Concentration Rank 11

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 16.486 | 2.21 ng | 62461 | Perylene-d12     | 15.539 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|------|-------------------------------------|-----|-------------|--------------|------|
| 1    |      | Cholestan-3-one, (5.beta.)-         | 386 | C27H46O     | 000601-53-6  | 42   |
| 2    |      | Cholestan-3-one, (5.alpha.)-        | 386 | C27H46O     | 000566-88-1  | 41   |
| 3    |      | Cholestan-2-one                     | 386 | C27H46O     | 1010210-43-4 | 38   |
| 4    |      | Cholestan-3-one                     | 386 | C27H46O     | 015600-08-5  | 38   |
| 5    |      | 8,8-Dimethyl-2,3,8,9-tetrahydro-... | 289 | C14H15N3O2S | 1000258-95-0 | 30   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070523\  
Data File : BF134081.D  
Acq On : 05 Jul 2023 23:21  
Operator : CG\JU  
Sample : 03473-03  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CMC-EME-TOPSOIL-007

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.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 |
| Butane, 2-metho... | 2.151  | 32.5    | ng    | 1347390  | 1                     | 6.845  | 828543  | 20.0 |
| 2-Pentanone, 4-... | 5.087  | 3.6     | ng    | 148537   | 1                     | 6.845  | 828543  | 20.0 |
| Benzophenone       | 10.598 | 3.4     | ng    | 206139   | 3                     | 9.880  | 1200190 | 20.0 |
| Eicosane           | 13.551 | 2.4     | ng    | 87032    | 5                     | 14.039 | 723298  | 20.0 |
| 2-Bromo dodecane   | 13.880 | 8.6     | ng    | 310830   | 5                     | 14.039 | 723298  | 20.0 |
| Octadecane, 1-i... | 14.198 | 3.3     | ng    | 117891   | 5                     | 14.039 | 723298  | 20.0 |
| Nonadecane         | 14.509 | 4.0     | ng    | 143543   | 5                     | 14.039 | 723298  | 20.0 |
| Heneicosane        | 14.821 | 4.5     | ng    | 126575   | 6                     | 15.539 | 564977  | 20.0 |
| Squalene           | 14.898 | 2.1     | ng    | 60290    | 6                     | 15.539 | 564977  | 20.0 |
| Pentacosane        | 15.174 | 6.5     | ng    | 182423   | 6                     | 15.539 | 564977  | 20.0 |
| Heptadecane, 2-... | 16.033 | 4.0     | ng    | 113778   | 6                     | 15.539 | 564977  | 20.0 |
| unknown16.486      | 16.486 | 2.2     | ng    | 62461    | 6                     | 15.539 | 564977  | 20.0 |