

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF012022\  
 Data File : BF126619.D  
 Acq On : 20 Jan 2022 18:59  
 Operator : CG/JU  
 Sample : N1189-15  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MTR-SOIL-8

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-BF011822.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF126619.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         | 2.299       | 29            | 36          | 42           | rBV      | 1286438        | 1651497       | 52.95%          | 6.974%        |
| 2         | 5.198       | 525           | 529         | 537          | rVB      | 105419         | 136858        | 4.39%           | 0.578%        |
| 3         | 5.581       | 589           | 594         | 597          | rBV      | 3114691        | 2928880       | 93.90%          | 12.369%       |
| 4         | 6.575       | 757           | 763         | 766          | rBV      | 2996175        | 3119024       | 100.00%         | 13.172%       |
| 5         | 6.963       | 825           | 829         | 832          | rVB      | 947864         | 738076        | 23.66%          | 3.117%        |
| 6         | 7.522       | 919           | 924         | 927          | rBV      | 1994455        | 1991138       | 63.84%          | 8.409%        |
| 7         | 8.245       | 1043          | 1047        | 1050         | rBV      | 1162419        | 966394        | 30.98%          | 4.081%        |
| 8         | 9.322       | 1225          | 1230        | 1233         | rBV      | 3476372        | 3056922       | 98.01%          | 12.909%       |
| 9         | 9.375       | 1236          | 1239        | 1241         | rBV      | 38901          | 34664         | 1.11%           | 0.146%        |
| 10        | 9.433       | 1246          | 1249        | 1251         | rVB      | 56336          | 40023         | 1.28%           | 0.169%        |
| 11        | 9.798       | 1304          | 1311        | 1316         | rBV2     | 29782          | 36876         | 1.18%           | 0.156%        |
| 12        | 10.004      | 1342          | 1346        | 1349         | rBV      | 1325199        | 1066349       | 34.19%          | 4.503%        |
| 13        | 10.139      | 1364          | 1369        | 1371         | rBV      | 37944          | 38085         | 1.22%           | 0.161%        |
| 14        | 10.792      | 1474          | 1480        | 1484         | rBV      | 2176042        | 1978292       | 63.43%          | 8.354%        |
| 15        | 11.498      | 1596          | 1600        | 1603         | rBV      | 1347408        | 1101924       | 35.33%          | 4.653%        |
| 16        | 12.010      | 1684          | 1687        | 1692         | rBV      | 72110          | 62059         | 1.99%           | 0.262%        |
| 17        | 12.174      | 1712          | 1715        | 1719         | rBV2     | 57357          | 50190         | 1.61%           | 0.212%        |
| 18        | 12.269      | 1728          | 1731        | 1734         | rBV      | 53838          | 38279         | 1.23%           | 0.162%        |
| 19        | 12.798      | 1818          | 1821        | 1824         | rBV3     | 31005          | 34747         | 1.11%           | 0.147%        |
| 20        | 13.086      | 1866          | 1870        | 1873         | rBV      | 3168221        | 2840605       | 91.07%          | 11.996%       |
| 21        | 13.974      | 2018          | 2021        | 2031         | rBV      | 234922         | 258266        | 8.28%           | 1.091%        |
| 22        | 14.145      | 2046          | 2050        | 2053         | rBV      | 894731         | 716554        | 22.97%          | 3.026%        |
| 23        | 14.239      | 2062          | 2066        | 2072         | rBV      | 30563          | 33913         | 1.09%           | 0.143%        |
| 24        | 14.921      | 2178          | 2182        | 2188         | rBV2     | 53212          | 82092         | 2.63%           | 0.347%        |
| 25        | 15.021      | 2196          | 2199        | 2204         | rVB      | 76129          | 74746         | 2.40%           | 0.316%        |
| 26        | 15.674      | 2303          | 2310        | 2322         | rBV      | 483879         | 603263        | 19.34%          | 2.548%        |

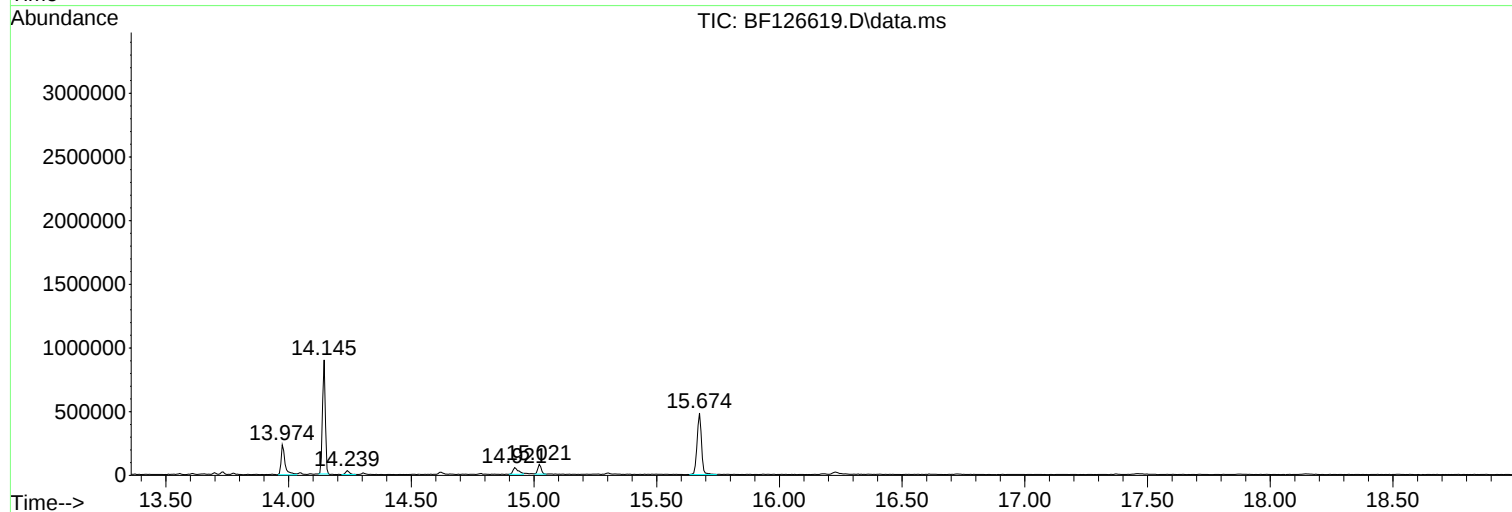
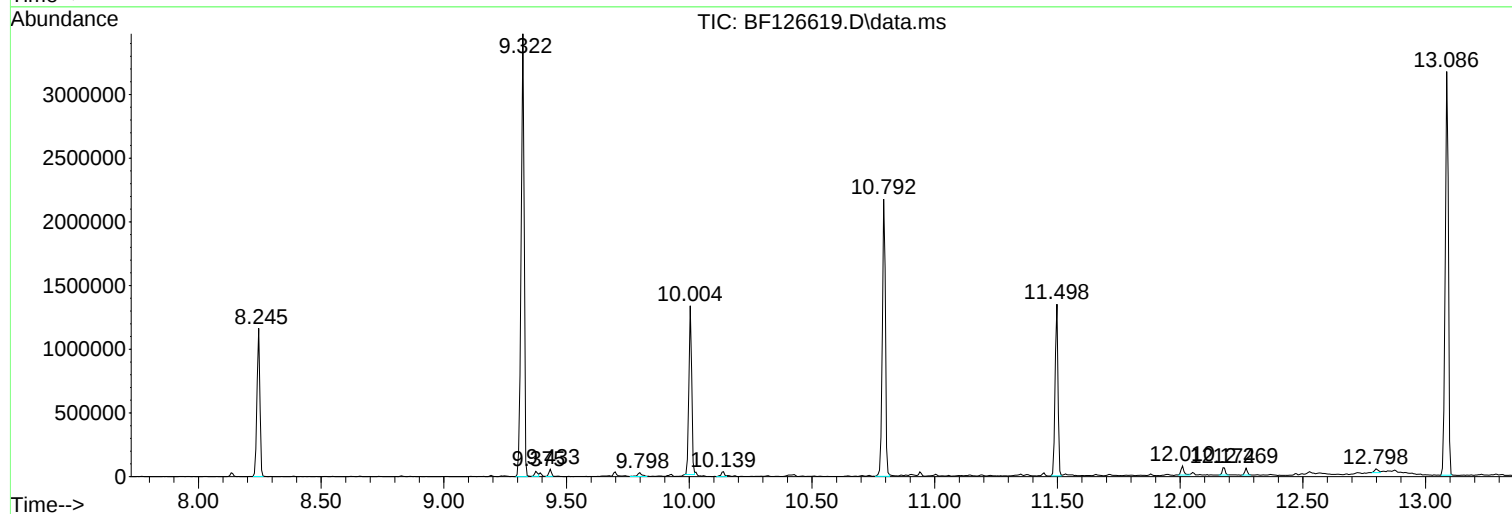
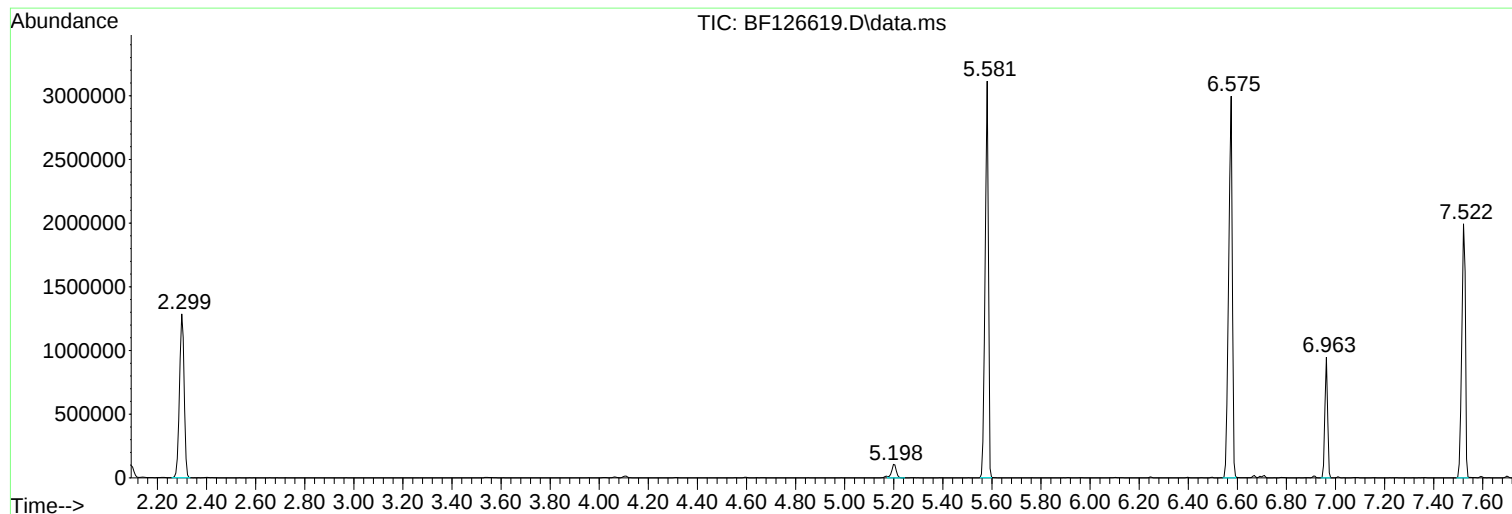
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MTR-SOIL-8

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011822.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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

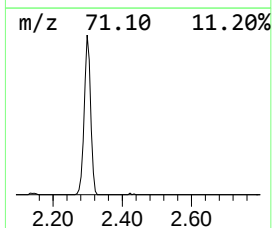
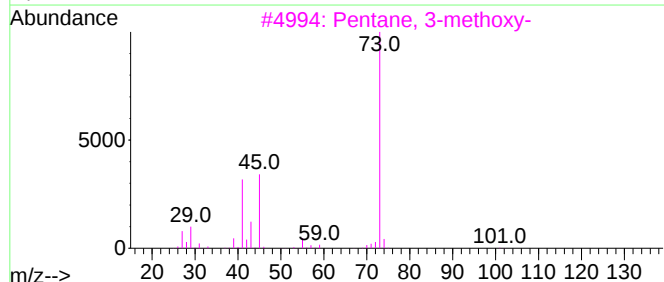
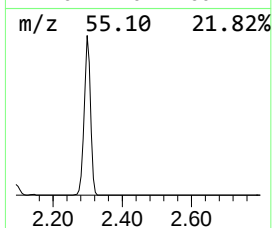
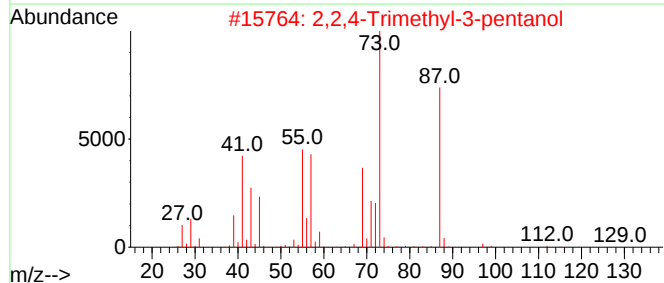
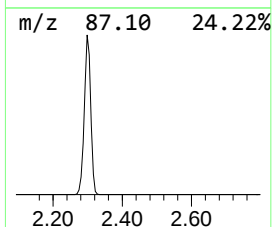
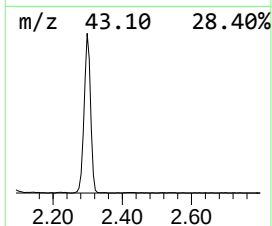
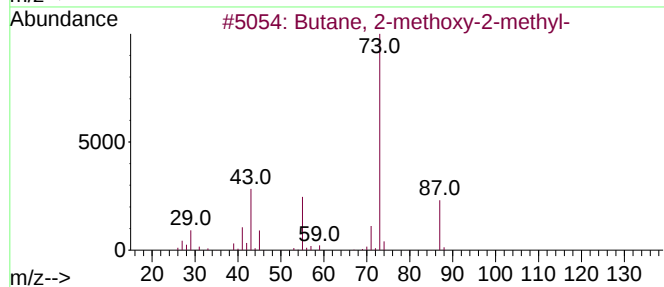
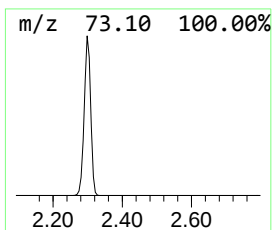
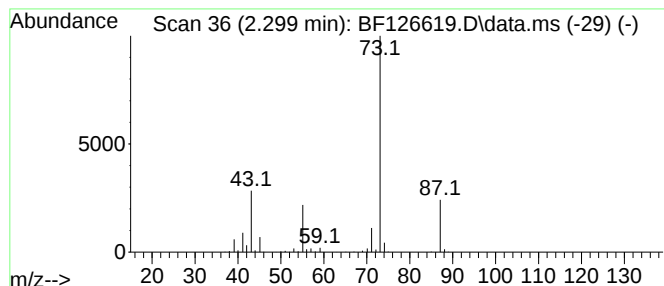
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc  | Area    | Relative to ISTD       | R.T.  |
|-------|----------|---------|------------------------|-------|
| 2.299 | 44.75 ng | 1651500 | 1,4-Dichlorobenzene-d4 | 6.963 |

| 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 | 43   |
| 3    |    |   | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 23   |
| 4    |    |   | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 9    |
| 5    |    |   | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |



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MTR-SOIL-8

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011822.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

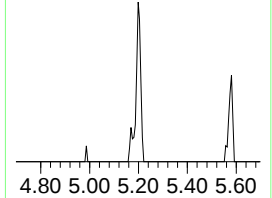
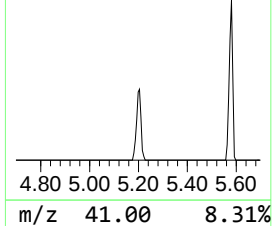
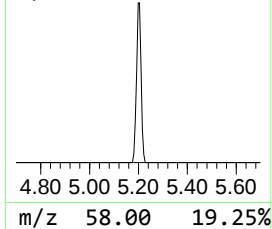
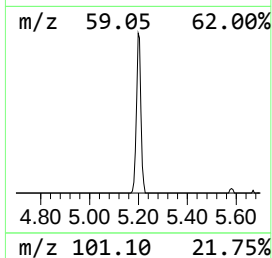
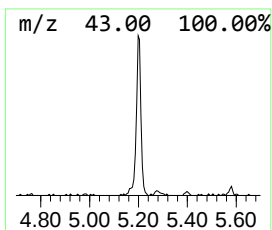
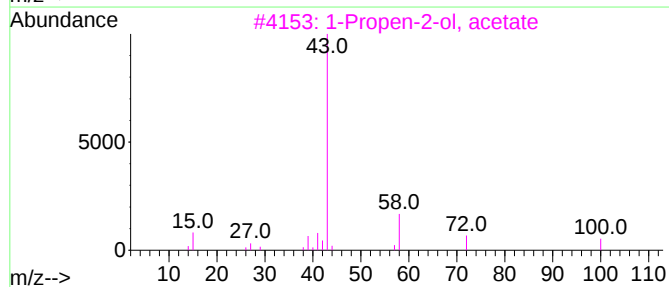
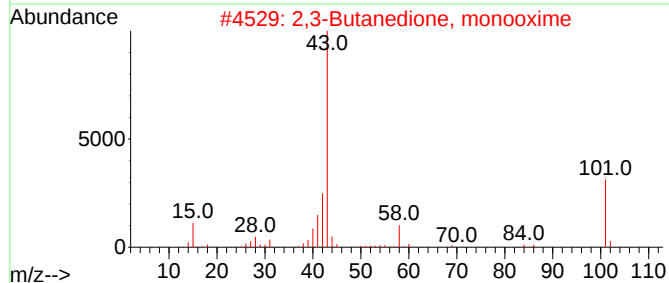
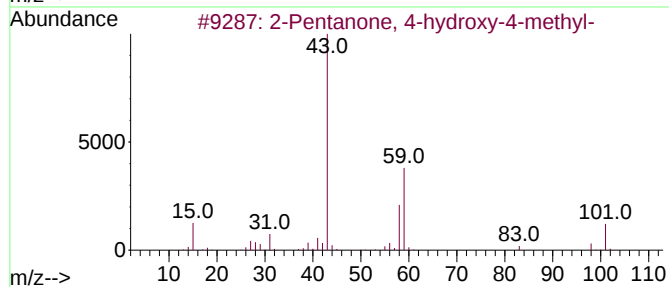
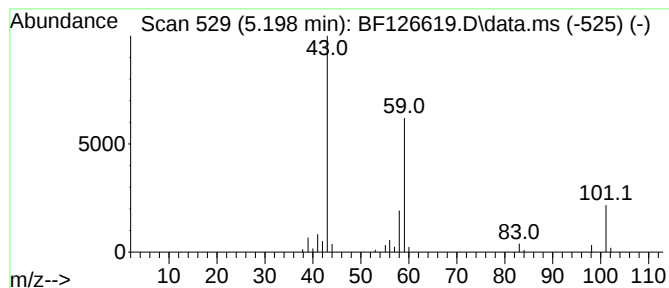
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 5.198 | 3.71 ng | 136858 | 1,4-Dichlorobenzene-d4 | 6.963 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 47   |
| 2    |    |   | 2,3-Butanedione, monooxime       | 101 | C4H7NO2 | 000057-71-6 | 25   |
| 3    |    |   | 1-Propen-2-ol, acetate           | 100 | C5H8O2  | 000108-22-5 | 12   |
| 4    |    |   | Butyl aldoxime, 3-methyl-, syn-  | 101 | C5H11NO | 005780-40-5 | 12   |
| 5    |    |   | 4-Penten-2-one, 4-methyl-        | 98  | C6H10O  | 003744-02-3 | 9    |



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Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MTR-SOIL-8

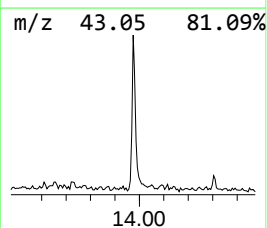
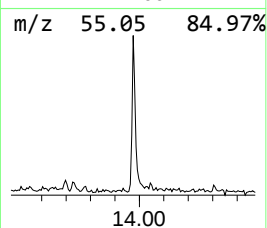
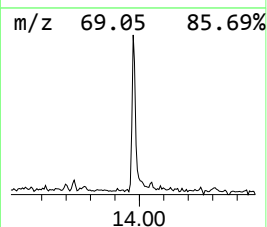
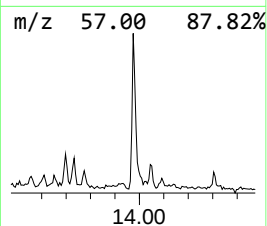
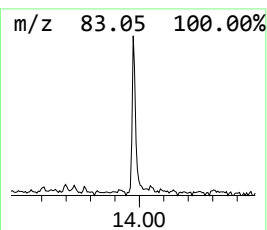
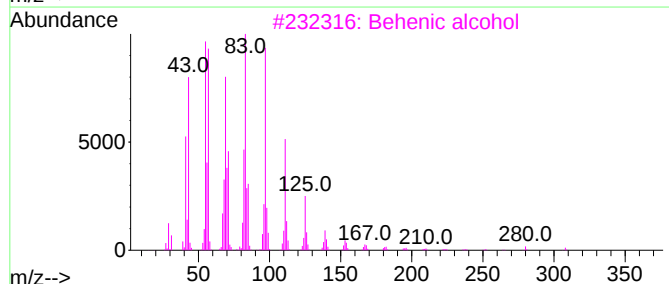
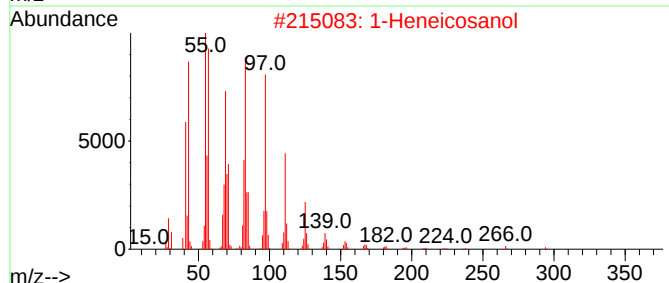
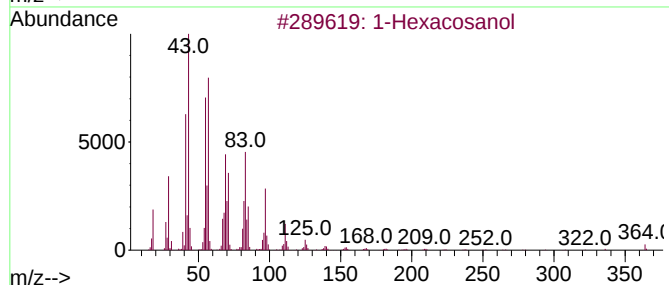
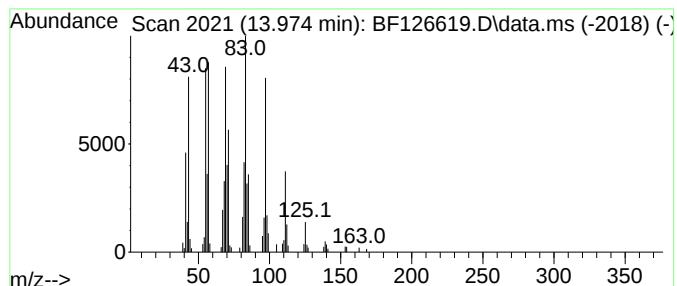
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011822.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 1-Hexacosanol Concentration Rank 2

| R.T.      | EstConc         | Area   | Relative to ISTD | R.T.        |      |
|-----------|-----------------|--------|------------------|-------------|------|
| 13.974    | 7.21 ng         | 258266 | Chrysene-d12     | 14.145      |      |
| Hit# of 5 | Tentative ID    | MW     | MolForm          | CAS#        | Qual |
| 1         | 1-Hexacosanol   | 382    | C26H54O          | 000506-52-5 | 91   |
| 2         | 1-Heneicosanol  | 312    | C21H44O          | 015594-90-8 | 91   |
| 3         | Behenic alcohol | 326    | C22H46O          | 000661-19-8 | 91   |
| 4         | n-Nonadecanol-1 | 284    | C19H40O          | 001454-84-8 | 91   |
| 5         | 1-Nonadecene    | 266    | C19H38           | 018435-45-5 | 91   |



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ClientSampleId :  
MTR-SOIL-8

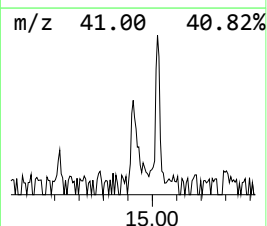
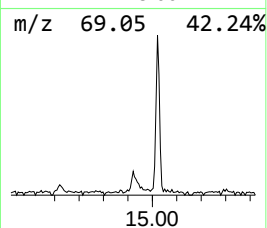
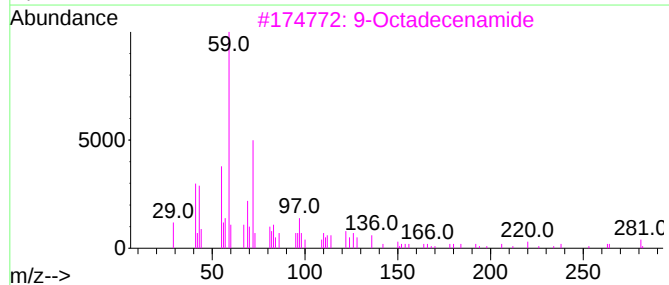
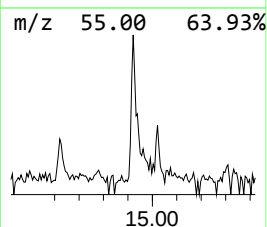
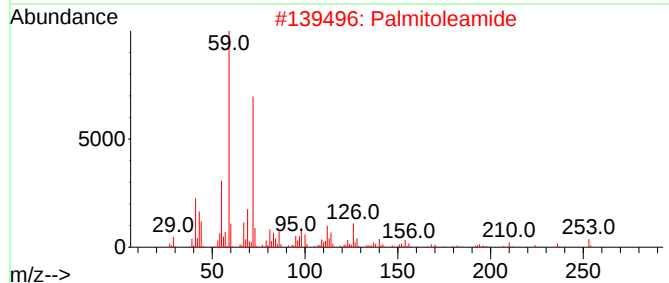
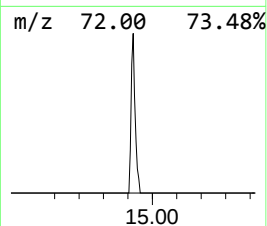
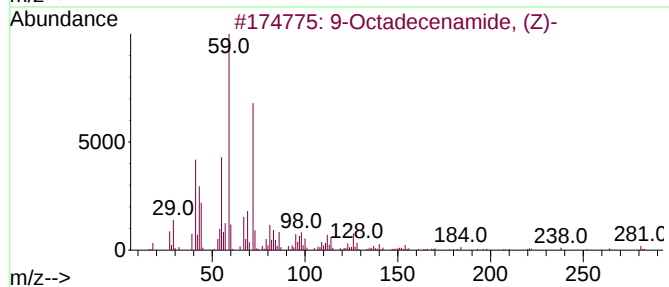
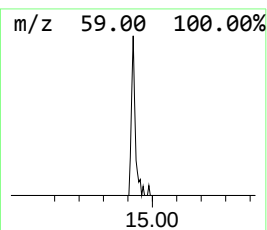
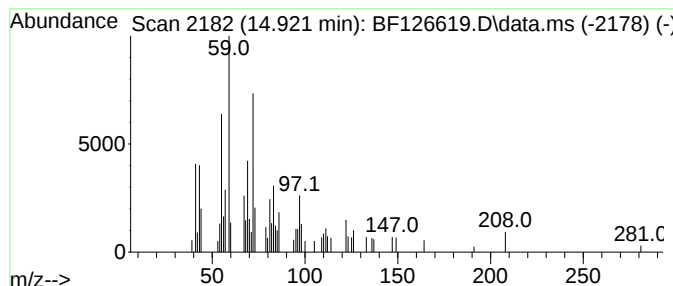
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TIC Library : C:\Database\NIST20.L  
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Peak Number 4 9-Octadecenamide, (Z)- Concentration Rank 4

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 14.921 | 2.72 ng | 82092 | Perylene-d12     | 15.674 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 9-Octadecenamide, (Z)-              | 281 | C18H35NO | 000301-02-0 | 94   |
| 2    |    |   | Palmitoleamide                      | 253 | C16H31NO | 106010-22-4 | 59   |
| 3    |    |   | 9-Octadecenamide                    | 281 | C18H35NO | 003322-62-1 | 49   |
| 4    |    |   | 5-Carbamoyl-pentanoic acid ethyl... | 173 | C8H15NO3 | 001190-69-8 | 38   |
| 5    |    |   | 3-Tetradecanol                      | 214 | C14H30O  | 001653-32-3 | 35   |



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MTR-SOIL-8

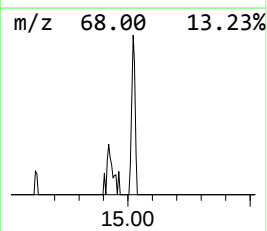
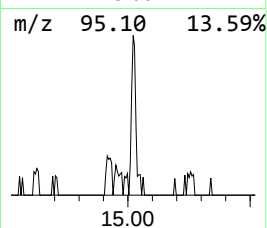
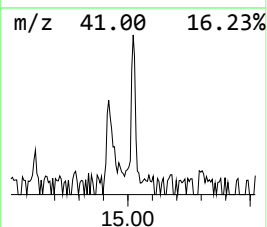
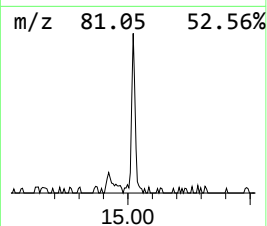
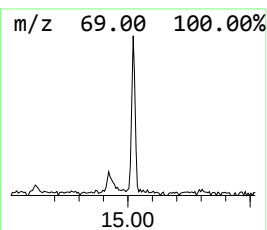
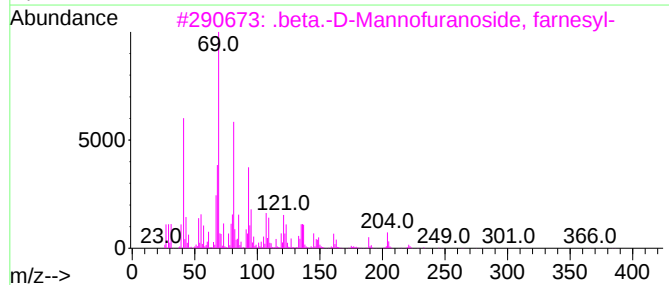
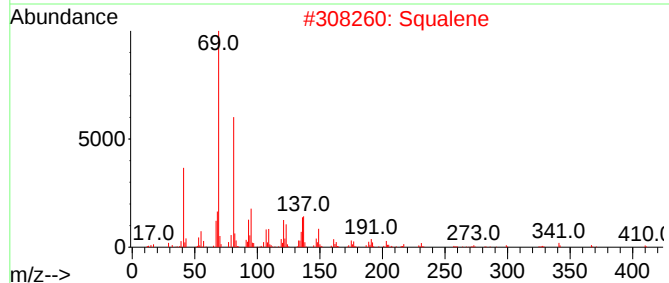
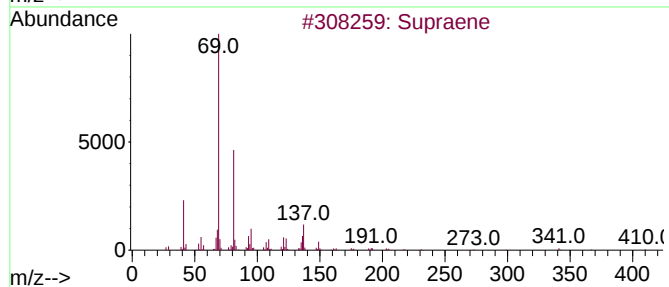
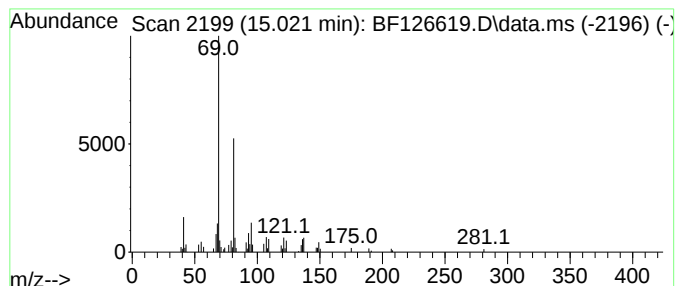
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011822.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 Supraene Concentration Rank 5

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 15.021 | 2.48 ng | 74746 | Perylene-d12     | 15.674 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Supraene                            | 410 | C30H50   | 007683-64-9  | 91   |
| 2    |    |   | Squalene                            | 410 | C30H50   | 000111-02-4  | 90   |
| 3    |    |   | .beta.-D-Mannofuranoside, farnesyl- | 384 | C21H36O6 | 1000155-15-5 | 78   |
| 4    |    |   | trans-Farnesol                      | 222 | C15H26O  | 000106-28-5  | 78   |
| 5    |    |   | 7,11-Dimethyldodeca-2,6,10-trien... | 208 | C14H24O  | 125529-10-4  | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF012022\  
Data File : BF126619.D  
Acq On : 20 Jan 2022 18:59  
Operator : CG/JU  
Sample : N1189-15  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MTR-SOIL-8

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011822.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Butane, 2-metho... | 2.299  | 44.8    | ng    | 1651500  | 1                     | 6.963  | 738076 | 20.0 |
| 2-Pentanone, 4-... | 5.198  | 3.7     | ng    | 136858   | 1                     | 6.963  | 738076 | 20.0 |
| 1-Hexacosanol      | 13.974 | 7.2     | ng    | 258266   | 5                     | 14.145 | 716554 | 20.0 |
| 9-Octadecenamid... | 14.921 | 2.7     | ng    | 82092    | 6                     | 15.674 | 603263 | 20.0 |
| Supraene           | 15.021 | 2.5     | ng    | 74746    | 6                     | 15.674 | 603263 | 20.0 |