

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG122322\  
 Data File : BG056084.D  
 Acq On : 23 Dec 2022 18:33  
 Operator : CG/JU  
 Sample : N6152-01  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GROUND-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\_G\Methods\8270-BG121322.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG056084.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         | 3.381       | 10            | 16          | 29           | rVB      | 69822          | 108693        | 12.47%          | 3.125%        |
| 2         | 5.396       | 353           | 359         | 365          | rVB      | 25020          | 38259         | 4.39%           | 1.100%        |
| 3         | 5.872       | 434           | 440         | 448          | rBV      | 73479          | 116049        | 13.31%          | 3.336%        |
| 4         | 7.482       | 708           | 714         | 721          | rVB      | 49638          | 83082         | 9.53%           | 2.388%        |
| 5         | 8.351       | 855           | 862         | 868          | rVB2     | 24937          | 42022         | 4.82%           | 1.208%        |
| 6         | 9.527       | 1055          | 1062        | 1069         | rBV      | 92105          | 159107        | 18.25%          | 4.574%        |
| 7         | 11.189      | 1337          | 1345        | 1353         | rBV      | 33619          | 59113         | 6.78%           | 1.699%        |
| 8         | 13.592      | 1747          | 1754        | 1761         | rBB      | 327488         | 491073        | 56.32%          | 14.117%       |
| 9         | 14.961      | 1981          | 1987        | 1994         | rVB      | 68812          | 106567        | 12.22%          | 3.063%        |
| 10        | 16.301      | 2211          | 2215        | 2220         | rBV      | 7487           | 9107          | 1.04%           | 0.262%        |
| 11        | 16.442      | 2232          | 2239        | 2251         | rBV      | 441240         | 654351        | 75.05%          | 18.811%       |
| 12        | 17.699      | 2447          | 2453        | 2461         | rVB      | 125378         | 182575        | 20.94%          | 5.248%        |
| 13        | 18.545      | 2593          | 2597        | 2604         | rBV2     | 14501          | 19139         | 2.19%           | 0.550%        |
| 14        | 20.279      | 2886          | 2892        | 2897         | rBV      | 678694         | 871938        | 100.00%         | 25.065%       |
| 15        | 21.595      | 3109          | 3116        | 3125         | rBV5     | 14469          | 30884         | 3.54%           | 0.888%        |
| 16        | 22.006      | 3179          | 3186        | 3194         | rVB      | 143138         | 236322        | 27.10%          | 6.794%        |
| 17        | 23.798      | 3486          | 3491        | 3498         | rVB3     | 11707          | 21600         | 2.48%           | 0.621%        |
| 18        | 25.490      | 3769          | 3779        | 3791         | rVB2     | 84843          | 248761        | 28.53%          | 7.151%        |

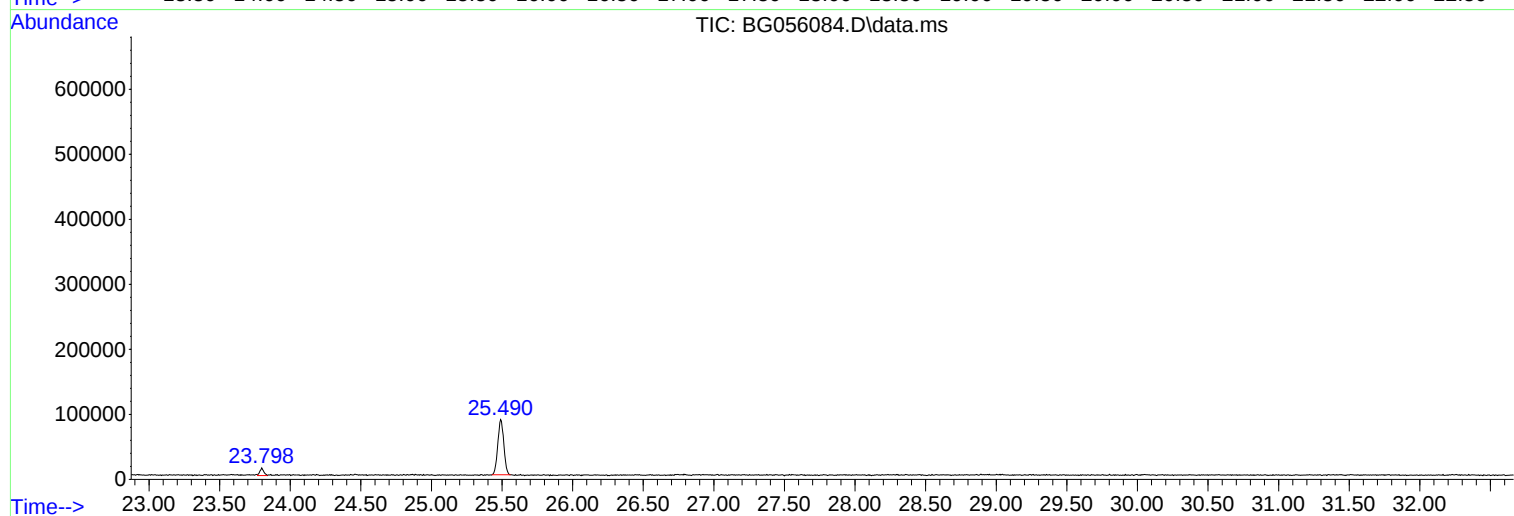
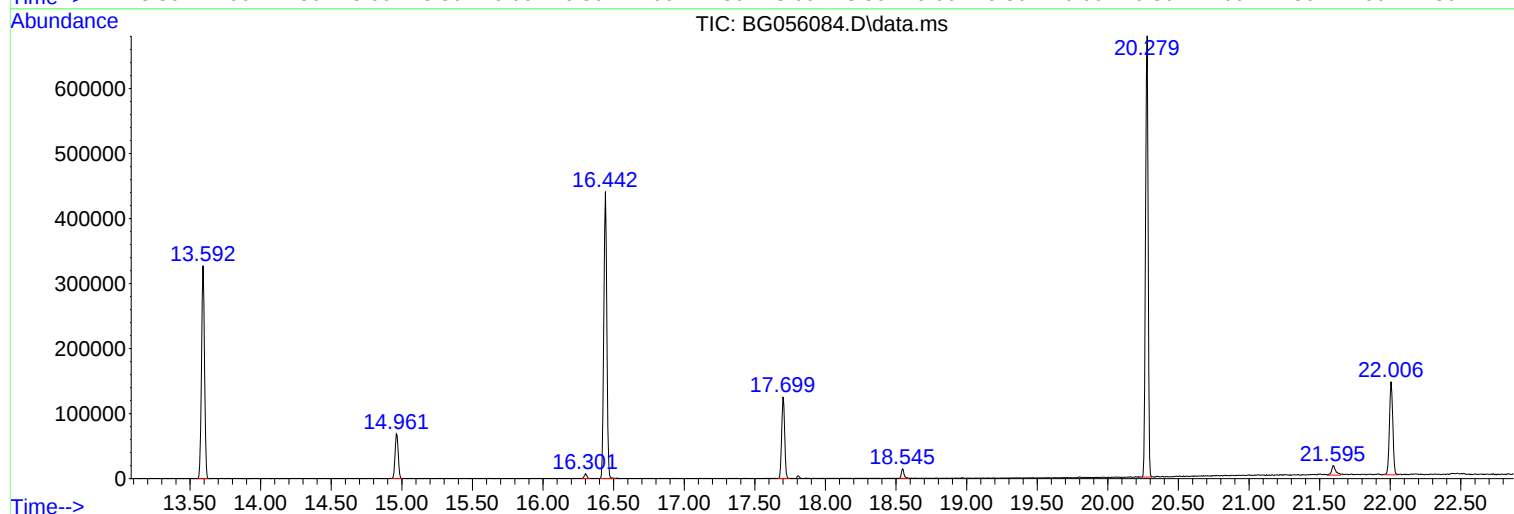
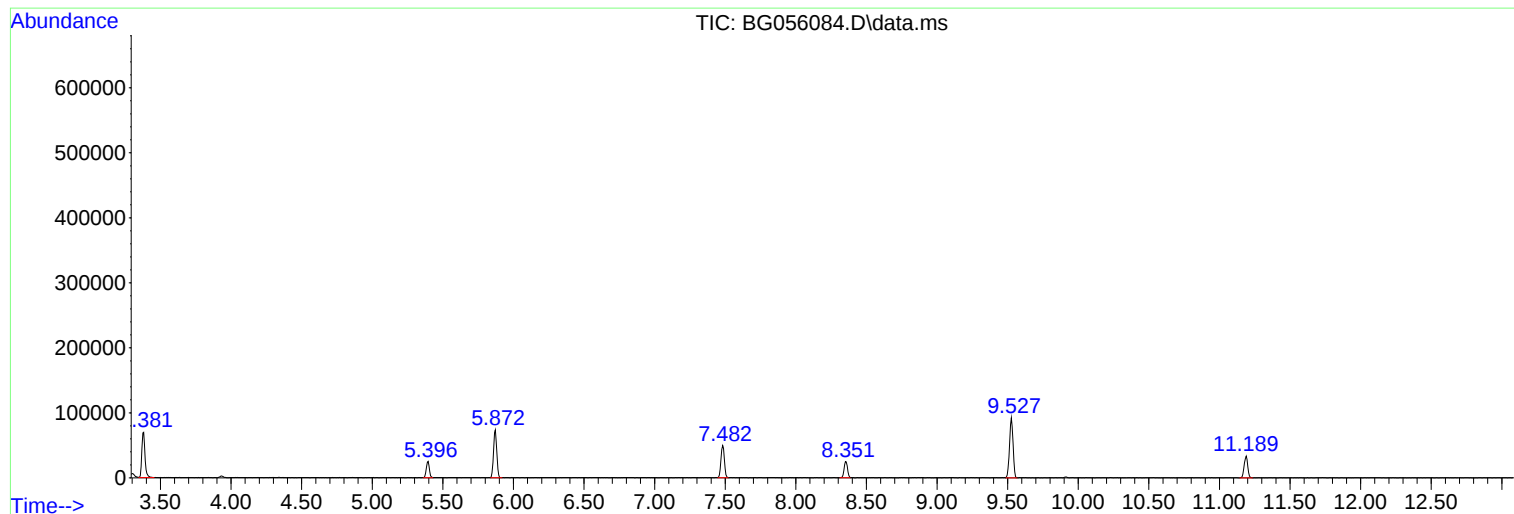
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ALS Vial : 13 Sample Multiplier: 1

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BNA\_G  
ClientSampleId :  
GROUND-WATER

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121322.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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GROUND-WATER

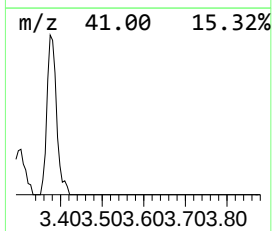
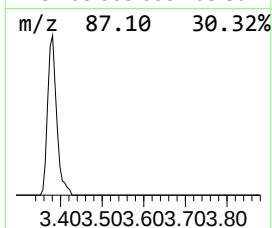
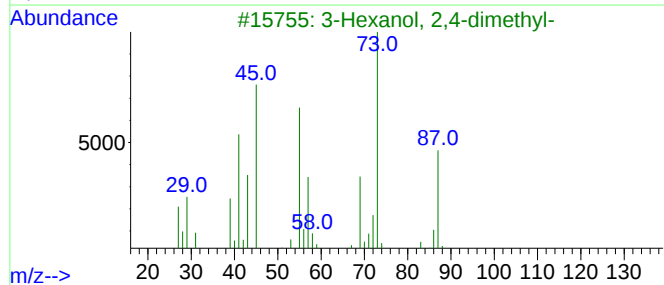
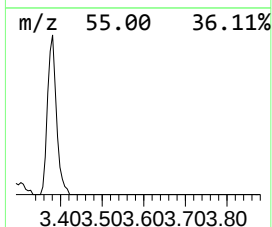
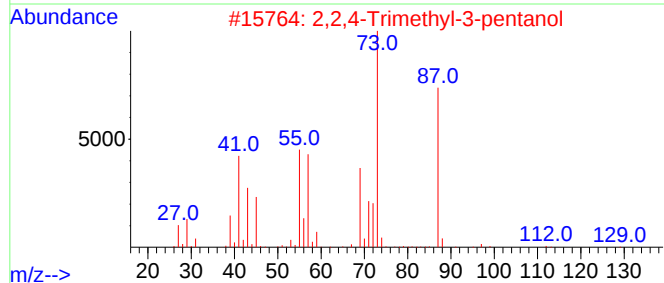
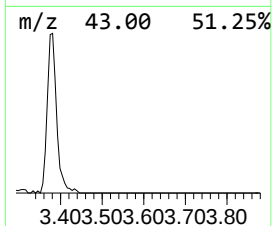
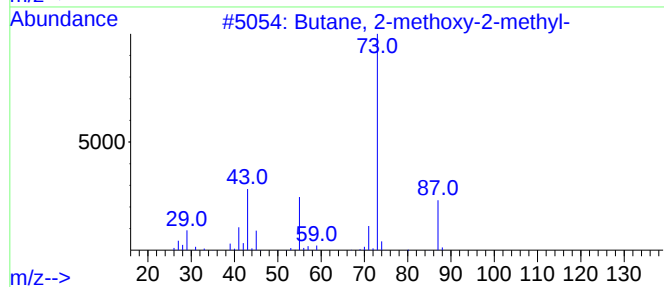
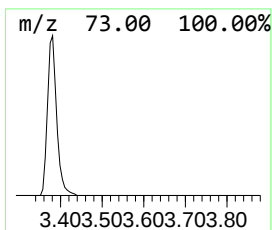
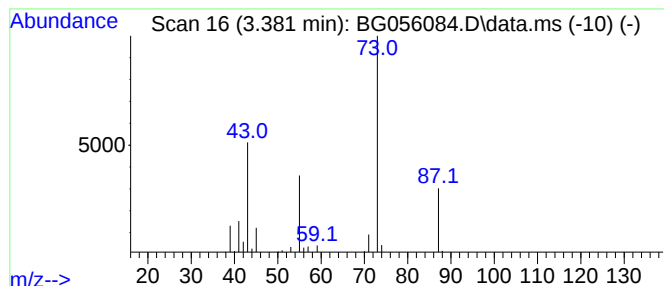
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121322.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.  |
|-------|----------|--------|------------------------|-------|
| 3.381 | 51.73 ng | 108693 | 1,4-Dichlorobenzene-d4 | 8.357 |

| 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    |    |   | 3-Hexanol, 2,4-dimethyl-    | 130 | C8H18O  | 013432-25-2 | 38   |
| 4    |    |   | 3-Pentanol, 3-methyl-       | 102 | C6H14O  | 000077-74-7 | 28   |
| 5    |    |   | 2-Methyl-5-hexen-3-ol       | 114 | C7H14O  | 032815-70-6 | 25   |



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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121322.M  
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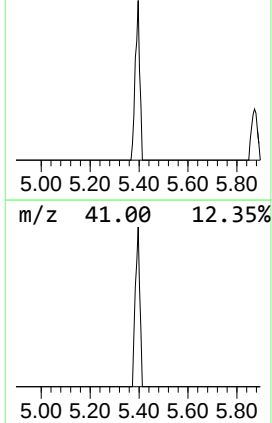
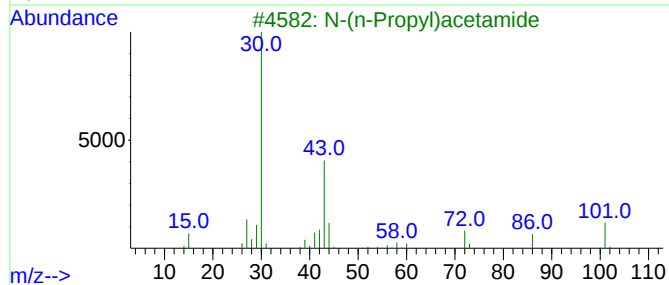
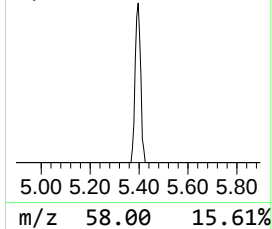
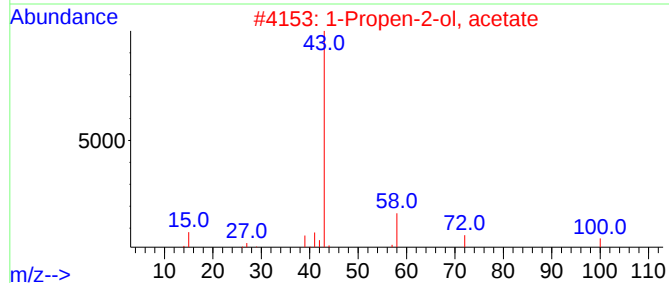
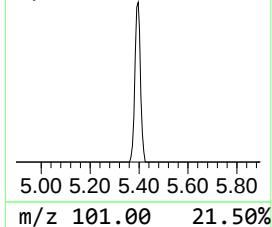
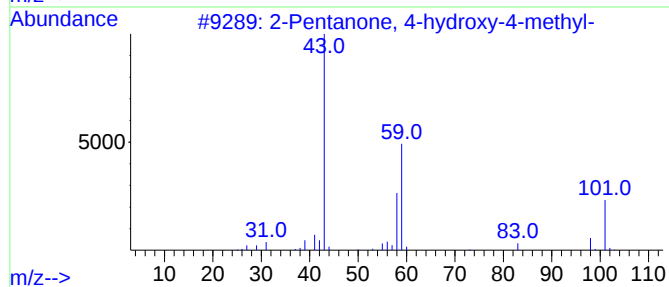
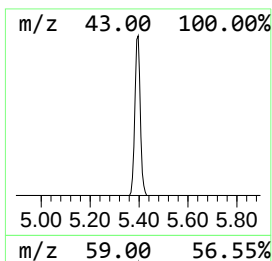
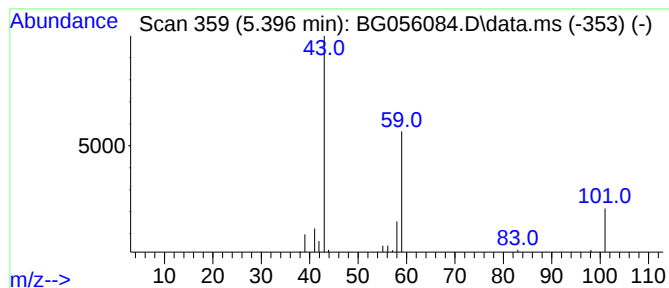
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc  | Area  | Relative to ISTD       | R.T.  |
|-------|----------|-------|------------------------|-------|
| 5.396 | 18.21 ng | 38259 | 1,4-Dichlorobenzene-d4 | 8.357 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56   |
| 2    |    |   | 1-Propen-2-ol, acetate           | 100 | C5H8O2  | 000108-22-5 | 10   |
| 3    |    |   | N-(n-Propyl)acetamide            | 101 | C5H11NO | 005331-48-6 | 9    |
| 4    |    |   | Butane                           | 58  | C4H10   | 000106-97-8 | 9    |
| 5    |    |   | 2-Propyn-1-ol, acetate           | 98  | C5H6O2  | 000627-09-8 | 9    |



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Sample : N6152-01  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
GROUND-WATER

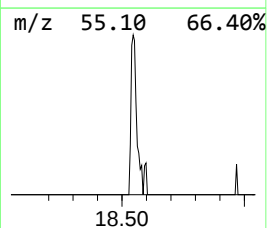
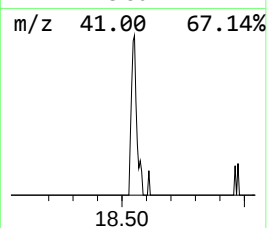
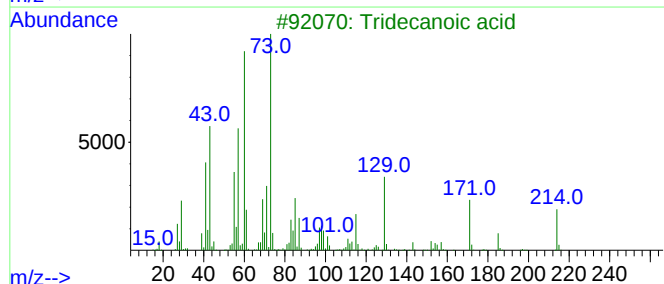
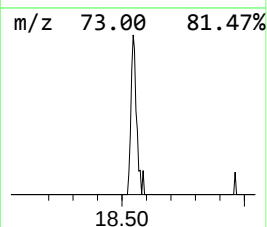
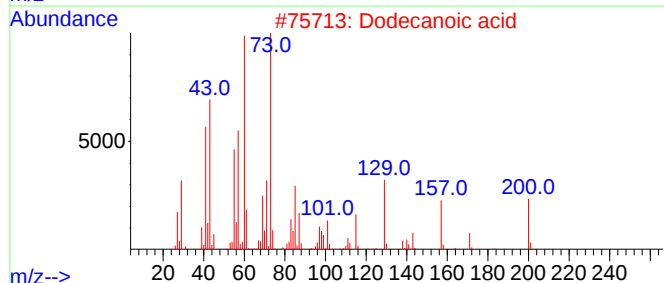
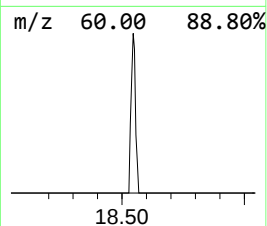
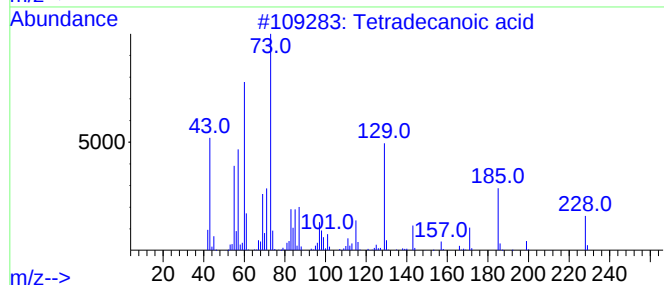
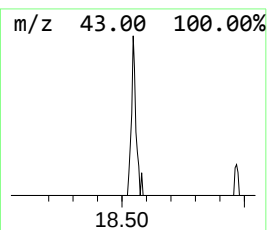
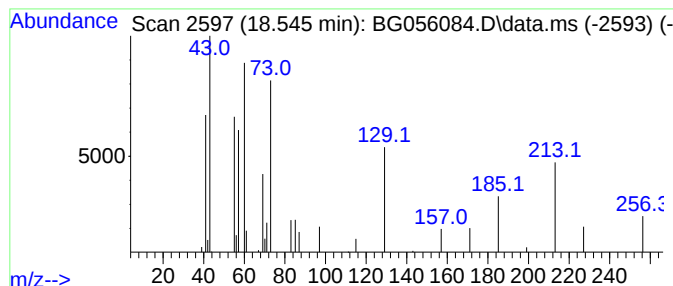
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121322.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 unknown18.545 Concentration Rank 4

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 18.545 | 2.10 ng | 19139 | Phenanthrene-d10 | 17.699 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 43   |
| 2    |    |   | Dodecanoic acid     | 200 | C12H24O2 | 000143-07-7 | 38   |
| 3    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 38   |
| 4    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 38   |
| 5    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 30   |



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Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
GROUND-WATER

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121322.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

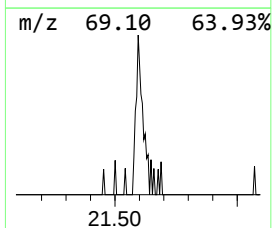
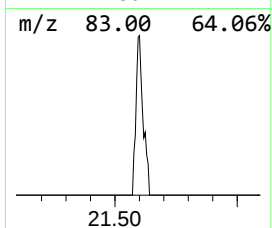
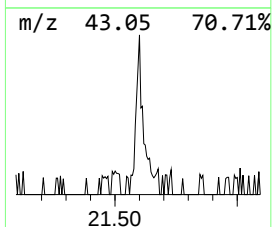
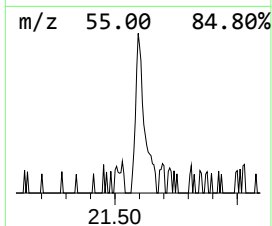
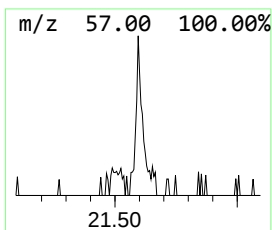
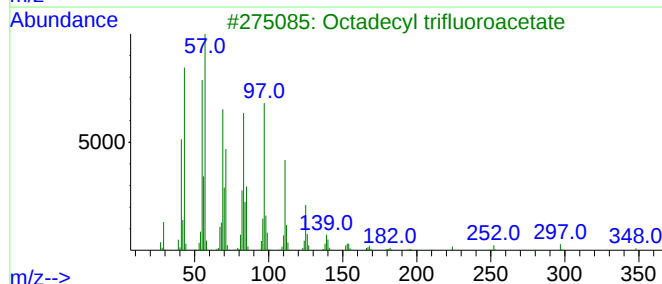
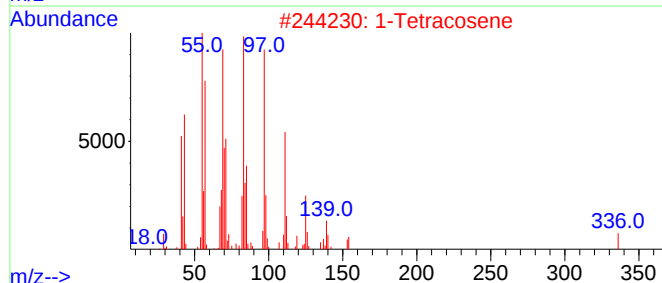
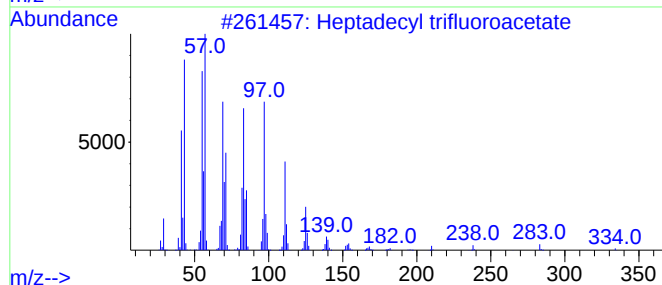
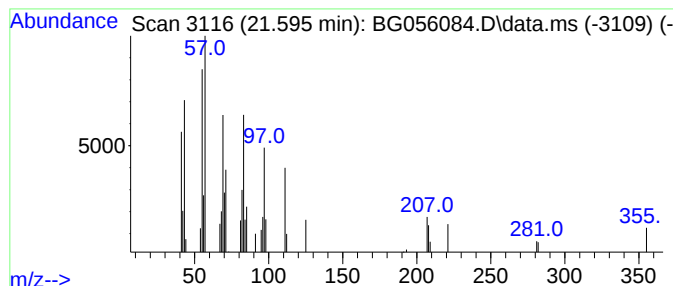
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Heptadecyl trifluoroacetate Concentration Rank 3

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 21.595 | 2.61 ng | 30884 | Chrysene-d12     | 22.006 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Heptadecyl trifluoroacetate         | 352 | C19H35F3O2 | 1010351-87-0 | 81   |
| 2    |    |   | 1-Tetracosene                       | 336 | C24H48     | 010192-32-2  | 81   |
| 3    |    |   | Octadecyl trifluoroacetate          | 366 | C20H37F3O2 | 079392-43-1  | 81   |
| 4    |    |   | Pentafluoropropionic acid, hepta... | 402 | C20H35F5O2 | 959218-78-1  | 81   |
| 5    |    |   | Octacosanol                         | 410 | C28H58O    | 000557-61-9  | 81   |



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| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Butane, 2-metho... | 3.381  | 51.7    | ng    | 108693   | 1                     | 8.357  | 42022  | 20.0 |
| 2-Pentanone, 4-... | 5.396  | 18.2    | ng    | 38259    | 1                     | 8.357  | 42022  | 20.0 |
| unknown18.545      | 18.545 | 2.1     | ng    | 19139    | 4                     | 17.699 | 182575 | 20.0 |
| Heptadecyl trif... | 21.595 | 2.6     | ng    | 30884    | 5                     | 22.006 | 236322 | 20.0 |