

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP112021\  
 Data File : BP008074.D  
 Acq On : 21 Nov 2021 00:28  
 Operator : CG/JU  
 Sample : M4762-03  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 72-11929

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP111921.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP008074.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         | 5.411       | 355           | 361         | 373          | rBV      | 1961223        | 3057840       | 70.42%          | 9.701%        |
| 2         | 7.005       | 624           | 632         | 647          | rBV      | 1969097        | 3238687       | 74.59%          | 10.275%       |
| 3         | 7.822       | 763           | 771         | 779          | rBV      | 491851         | 786080        | 18.10%          | 2.494%        |
| 4         | 8.981       | 960           | 968         | 979          | rBV      | 1235444        | 2070276       | 47.68%          | 6.568%        |
| 5         | 10.616      | 1238          | 1246        | 1254         | rBV      | 605056         | 1068041       | 24.60%          | 3.388%        |
| 6         | 13.010      | 1650          | 1653        | 1658         | rVB2     | 88492          | 105882        | 2.44%           | 0.336%        |
| 7         | 13.087      | 1659          | 1666        | 1672         | rVV      | 2900513        | 4342084       | 100.00%         | 13.776%       |
| 8         | 13.740      | 1773          | 1777        | 1779         | rBV4     | 102433         | 139312        | 3.21%           | 0.442%        |
| 9         | 13.816      | 1787          | 1790        | 1798         | rVB3     | 183297         | 305694        | 7.04%           | 0.970%        |
| 10        | 13.957      | 1811          | 1814        | 1818         | rVB      | 217020         | 261755        | 6.03%           | 0.830%        |
| 11        | 13.998      | 1818          | 1821        | 1822         | rBV3     | 101811         | 117630        | 2.71%           | 0.373%        |
| 12        | 14.463      | 1896          | 1900        | 1905         | rVB      | 908146         | 1313435       | 30.25%          | 4.167%        |
| 13        | 14.998      | 1988          | 1991        | 1997         | rBV4     | 441319         | 632925        | 14.58%          | 2.008%        |
| 14        | 15.087      | 2003          | 2006        | 2010         | rBV      | 327735         | 472868        | 10.89%          | 1.500%        |
| 15        | 15.510      | 2075          | 2078        | 2082         | rBV3     | 439087         | 738342        | 17.00%          | 2.342%        |
| 16        | 15.963      | 2151          | 2155        | 2161         | rVB2     | 1764880        | 2891182       | 66.59%          | 9.173%        |
| 17        | 19.792      | 2803          | 2806        | 2810         | rVB      | 3652520        | 4070667       | 93.75%          | 12.915%       |
| 18        | 21.316      | 3060          | 3065        | 3069         | rBV2     | 1264950        | 2138526       | 49.25%          | 6.785%        |
| 19        | 22.980      | 3344          | 3348        | 3353         | rBV      | 541307         | 1029747       | 23.72%          | 3.267%        |
| 20        | 23.604      | 3450          | 3454        | 3463         | rVB2     | 550019         | 1112126       | 25.61%          | 3.528%        |
| 21        | 23.710      | 3466          | 3472        | 3477         | rVV2     | 830320         | 1626830       | 37.47%          | 5.161%        |

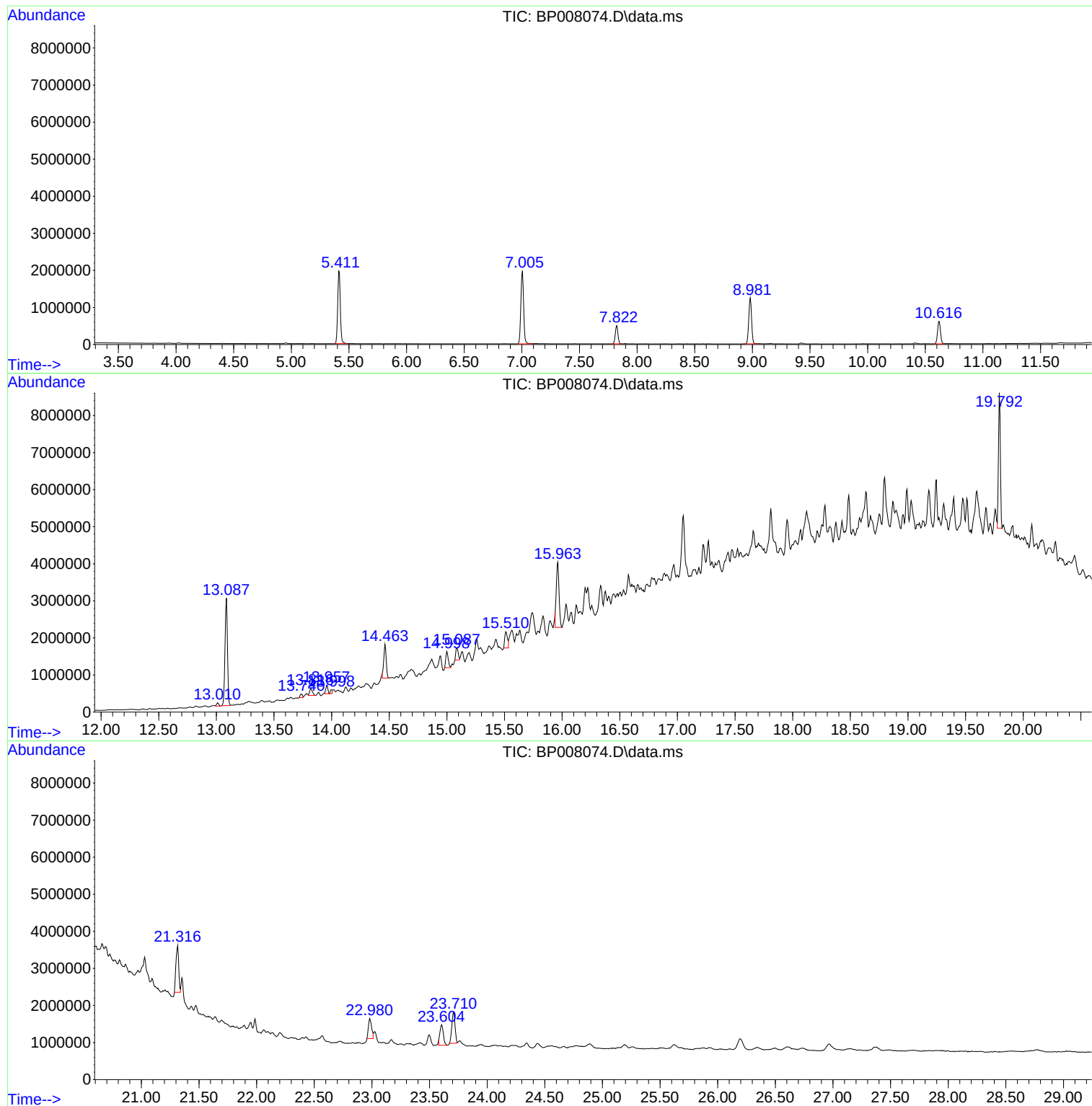
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ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP111921.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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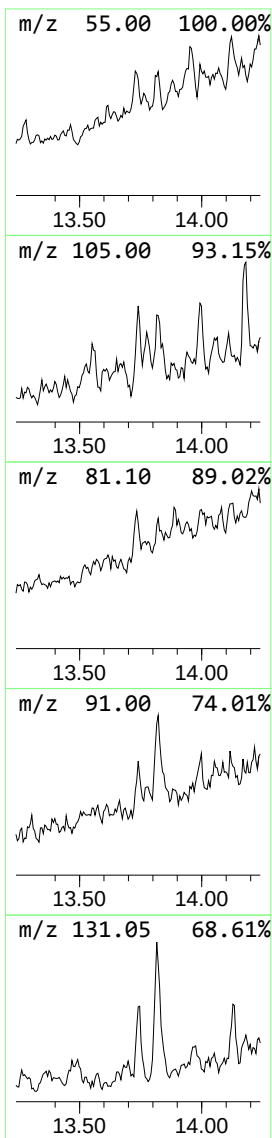
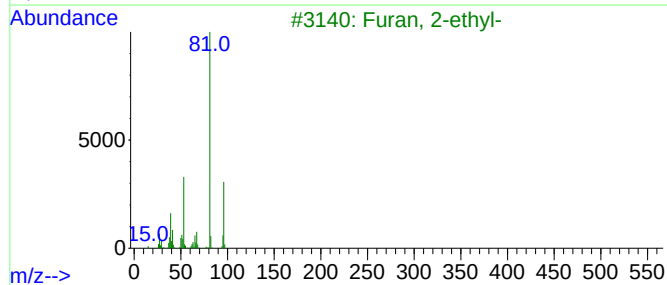
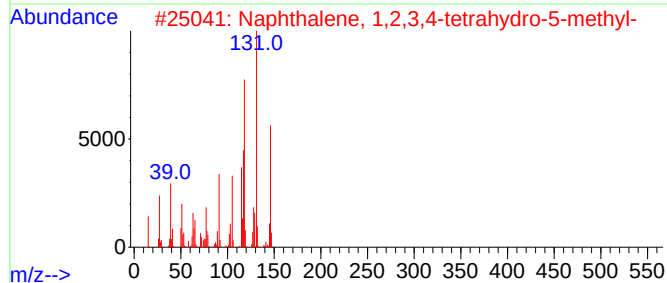
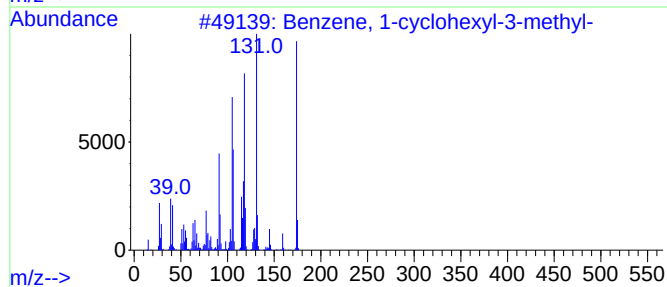
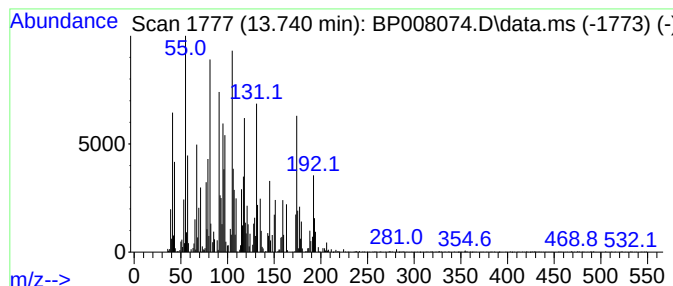
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Peak Number 1 unknown13.740 Concentration Rank 6

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.740 | 2.12 ng | 139312 | Acenaphthene-d10 | 14.463 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-cyclohexyl-3-methyl-     | 174 | C13H18  | 004575-46-6 | 42   |
| 2    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 002809-64-5 | 25   |
| 3    |    |   | Furan, 2-ethyl-                     | 96  | C6H8O   | 003208-16-0 | 18   |
| 4    |    |   | 1,3-Pentadiene, 2,3-dimethyl-       | 96  | C7H12   | 001113-56-0 | 18   |
| 5    |    |   | Thiophene, 2-(phenylmethyl)-        | 174 | C11H10S | 013132-15-5 | 15   |



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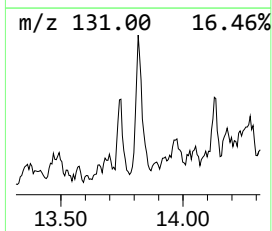
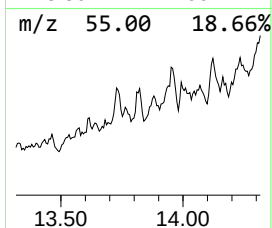
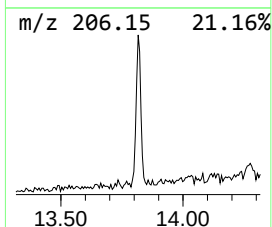
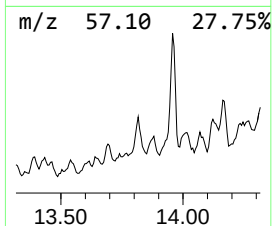
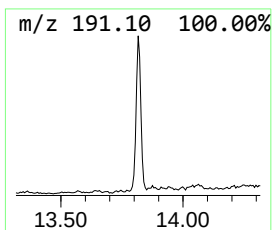
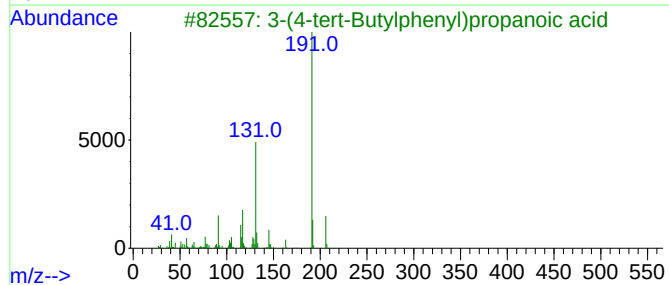
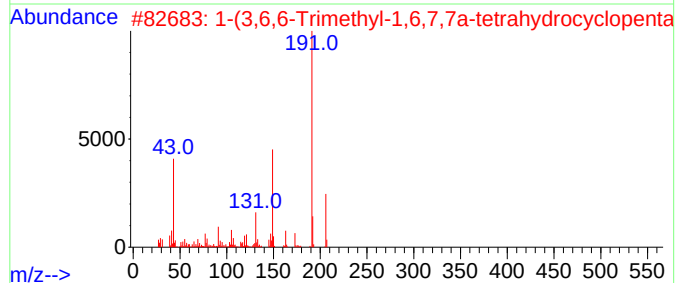
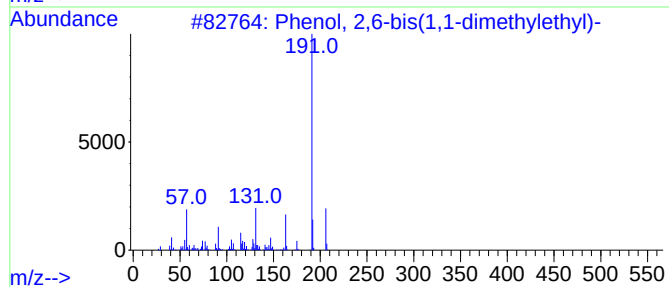
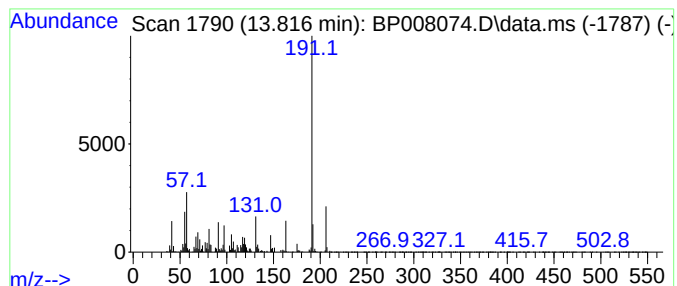
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Peak Number 2 Phenol, 2,6-bis(1,1-dimethy... Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.816 | 4.65 ng | 305694 | Acenaphthene-d10 | 14.463 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Phenol, 2,6-bis(1,1-dimethylethyl)- | 206 | C14H22O  | 000128-39-2  | 90   |
| 2    |    |   | 1-(3,6,6-Trimethyl-1,6,7,7a-tetr... | 206 | C13H18O2 | 1000194-97-2 | 81   |
| 3    |    |   | 3-(4-tert-Butylphenyl)propanoic ... | 206 | C13H18O2 | 001208-64-6  | 74   |
| 4    |    |   | 2,4-Di-tert-butylphenol             | 206 | C14H22O  | 000096-76-4  | 72   |
| 5    |    |   | Phenol, 2,5-bis(1,1-dimethylethyl)- | 206 | C14H22O  | 005875-45-6  | 72   |



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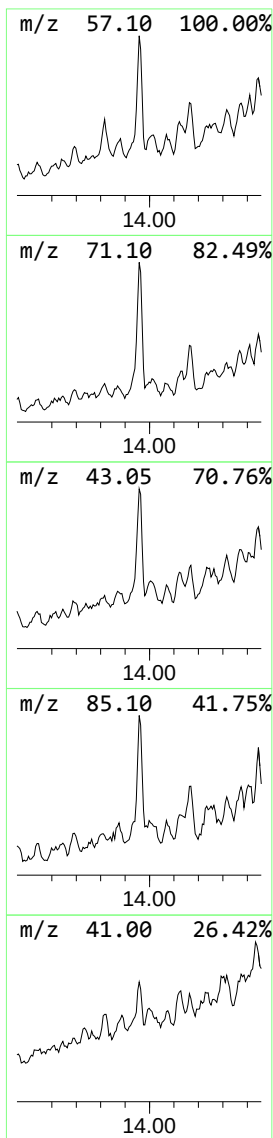
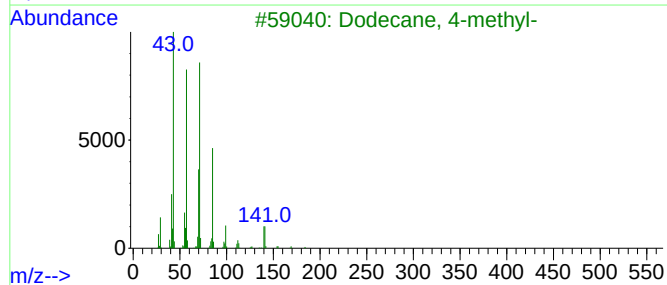
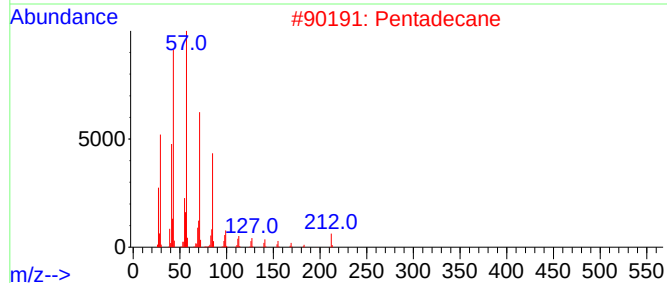
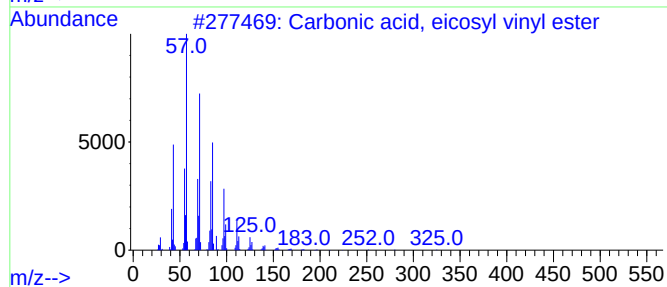
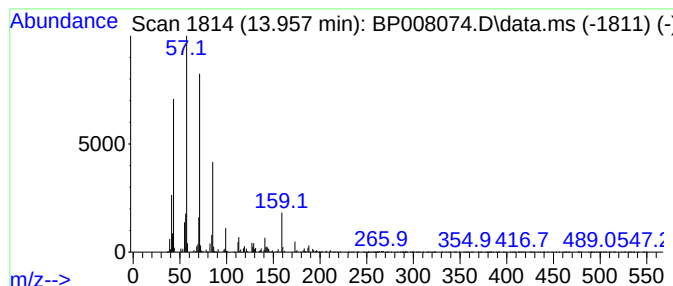
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TIC Library : C:\Database\NIST20.L  
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Peak Number 3 Carbonic acid, eicosyl vinyl... Concentration Rank 5

| R.T.      | EstConc                            | Area   | Relative to ISTD |          | R.T.         |      |
|-----------|------------------------------------|--------|------------------|----------|--------------|------|
| 13.957    | 3.99 ng                            | 261755 | Acenaphthene-d10 |          | 14.463       |      |
| Hit# of 5 | Tentative ID                       |        | MW               | MolForm  | CAS#         | Qual |
| 1         | Carbonic acid, eicosyl vinyl ester |        | 368              | C23H44O3 | 1000382-54-3 | 80   |
| 2         | Pentadecane                        |        | 212              | C15H32   | 000629-62-9  | 80   |
| 3         | Dodecane, 4-methyl-                |        | 184              | C13H28   | 006117-97-1  | 74   |
| 4         | Octadecane, 1-chloro-              |        | 288              | C18H37Cl | 003386-33-2  | 72   |
| 5         | Heptacosane                        |        | 380              | C27H56   | 000593-49-7  | 72   |



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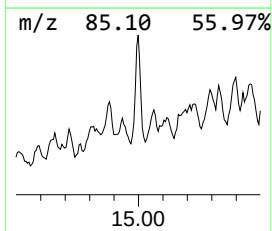
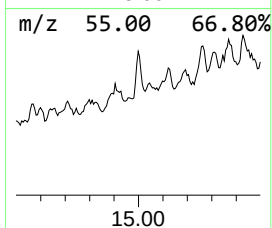
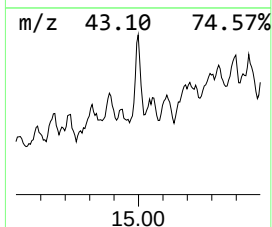
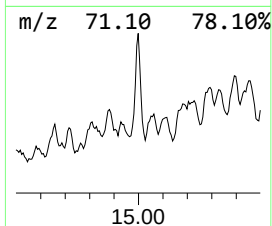
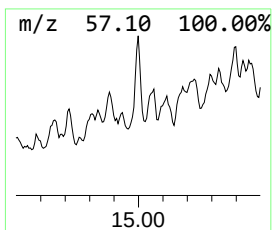
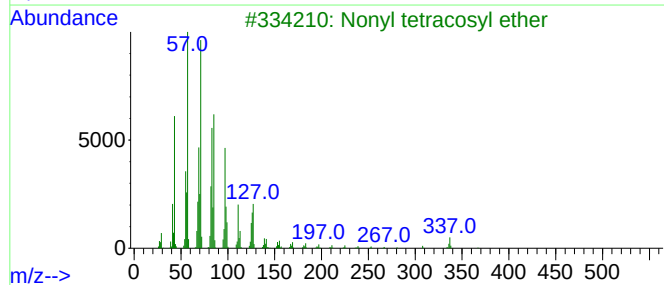
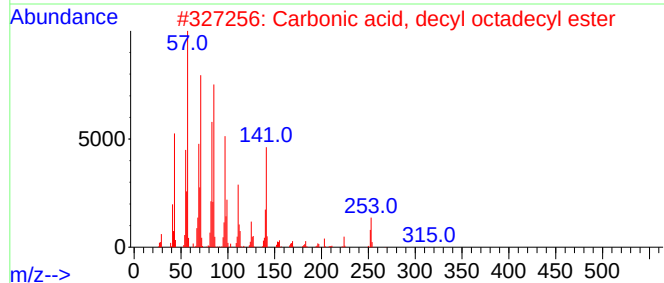
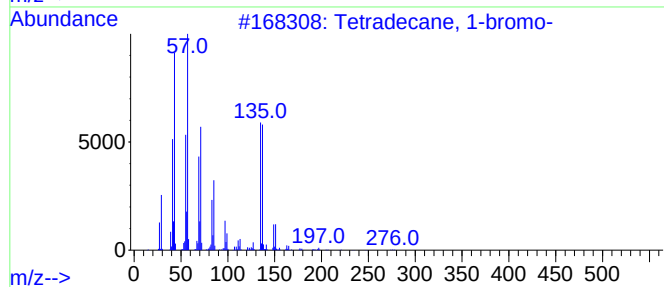
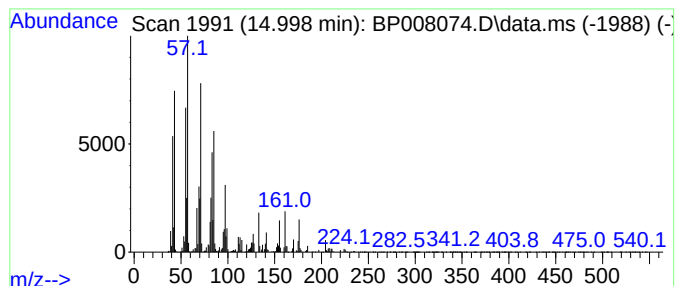
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Peak Number 4 Tetradecane, 1-bromo- Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 14.998 | 9.64 ng | 632925 | Acenaphthene-d10 | 14.463 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|------|-------------------------------------|-----|----------|--------------|------|
| 1    |      | Tetradecane, 1-bromo-               | 276 | C14H29Br | 000112-71-0  | 86   |
| 2    |      | Carbonic acid, decyl octadecyl e... | 454 | C29H58O3 | 1000383-16-7 | 72   |
| 3    |      | Nonyl tetracosyl ether              | 481 | C33H68O  | 1000406-38-0 | 64   |
| 4    |      | Pentadecane, 1-bromo-               | 290 | C15H31Br | 000629-72-1  | 58   |
| 5    |      | Hydroxylamine, O-decyl-             | 173 | C10H23NO | 029812-79-1  | 53   |



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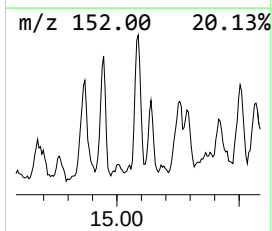
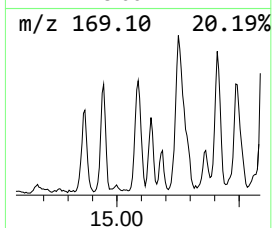
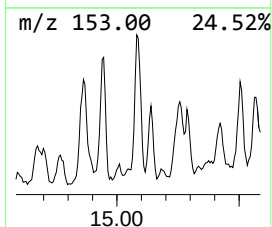
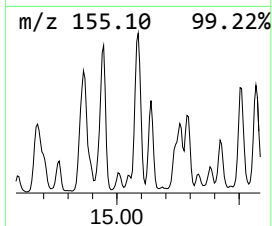
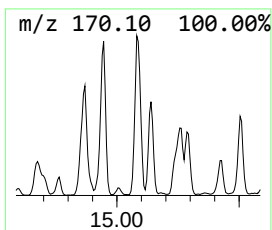
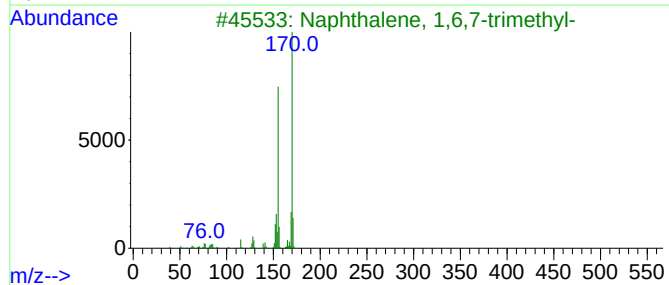
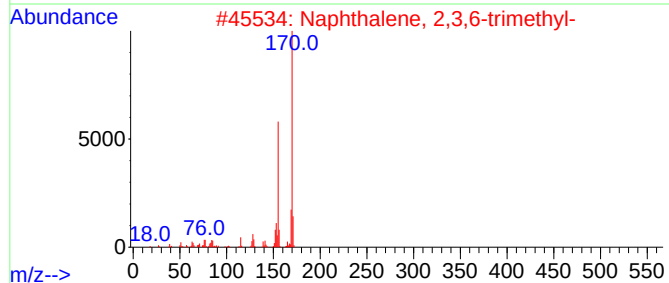
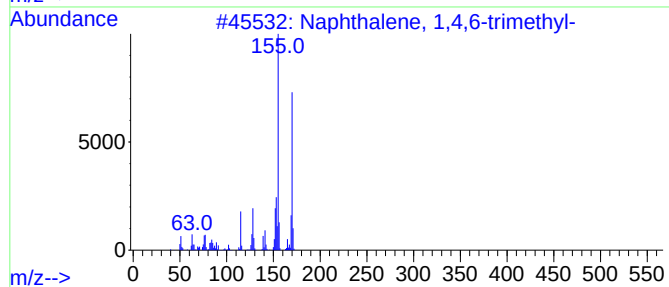
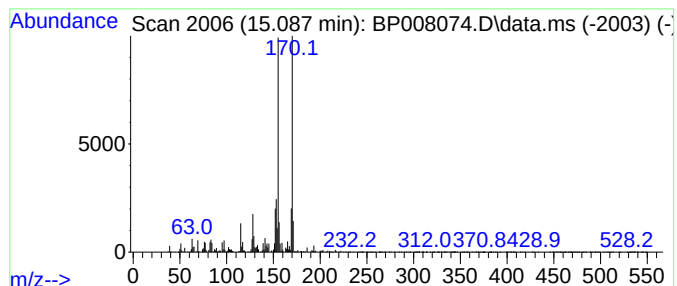
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Peak Number 5 Naphthalene, 1,4,6-trimethyl- Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.087 | 7.20 ng | 472868 | Acenaphthene-d10 | 14.463 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14  | 002131-42-2 | 97   |
| 2    |    |   | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14  | 000829-26-5 | 97   |
| 3    |    |   | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14  | 002245-38-7 | 97   |
| 4    |    |   | 4,6,8-Trimethylazulene        | 170 | C13H14  | 000941-81-1 | 93   |
| 5    |    |   | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14  | 002131-41-1 | 91   |



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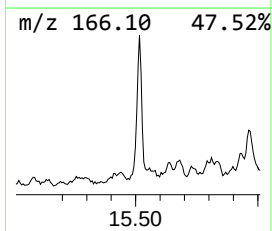
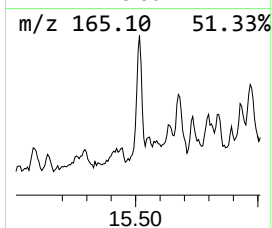
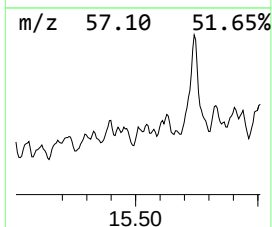
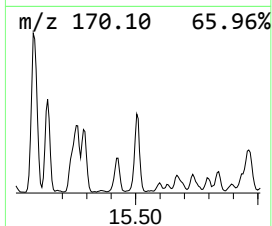
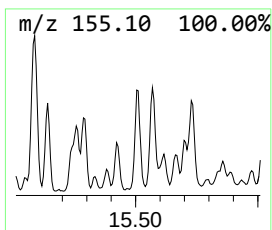
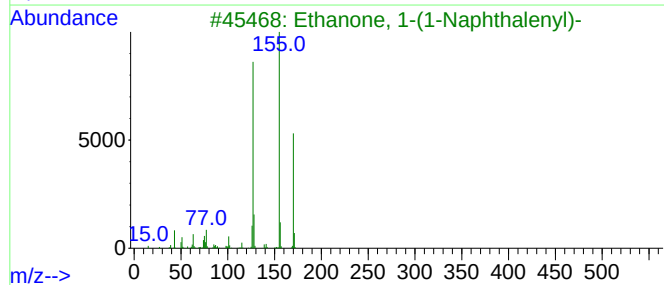
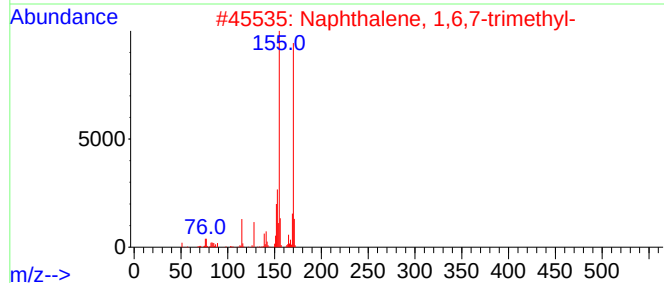
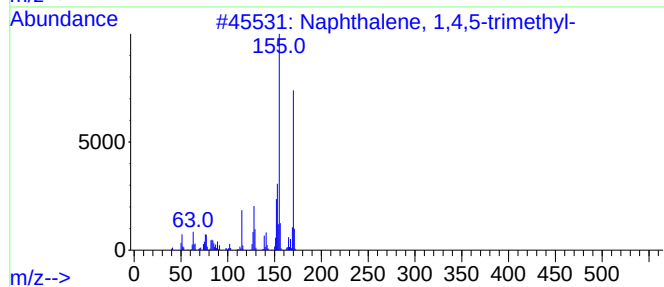
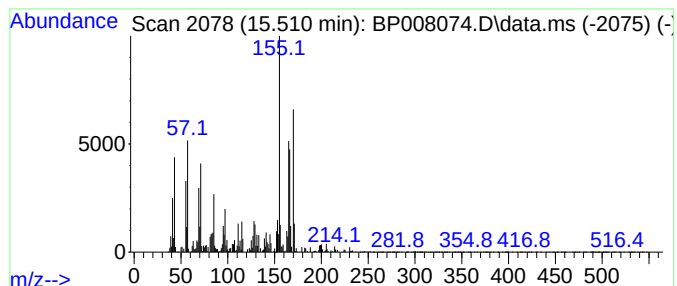
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 unknown15.510 Concentration Rank 1

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 15.510 | 11.24 ng | 738342 | Acenaphthene-d10 | 14.463 |

| Hit# | of 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------|-----|---------|-------------|------|
| 1    |      | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14  | 002131-41-1 | 41   |
| 2    |      | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14  | 002245-38-7 | 41   |
| 3    |      | Ethanone, 1-(1-Naphthalenyl)- | 170 | C12H10O | 000941-98-0 | 38   |
| 4    |      | 2-Naphthyl methyl ketone      | 170 | C12H10O | 000093-08-3 | 38   |
| 5    |      | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14  | 002131-42-2 | 38   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP112021\  
Data File : BP008074.D  
Acq On : 21 Nov 2021 00:28  
Operator : CG/JU  
Sample : M4762-03  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
72-11929

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP111921.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 |
| unknown13.740      | 13.740 | 2.1     | ng    | 139312   | 3                     | 14.463 | 1313440 | 20.0 |
| Phenol, 2,6-bis... | 13.816 | 4.7     | ng    | 305694   | 3                     | 14.463 | 1313440 | 20.0 |
| Carbonic acid, ... | 13.957 | 4.0     | ng    | 261755   | 3                     | 14.463 | 1313440 | 20.0 |
| Tetradecane, 1-... | 14.998 | 9.6     | ng    | 632925   | 3                     | 14.463 | 1313440 | 20.0 |
| Naphthalene, 1,... | 15.087 | 7.2     | ng    | 472868   | 3                     | 14.463 | 1313440 | 20.0 |
| unknown15.510      | 15.510 | 11.2    | ng    | 738342   | 3                     | 14.463 | 1313440 | 20.0 |