

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052225\  
 Data File : BP024760.D  
 Acq On : 22 May 2025 15:41  
 Operator : RC/JU  
 Sample : Q2097-07  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 VNJ-244

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-BP051325.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024760.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         | 4.823       | 289           | 295         | 304          | rBV      | 107854         | 161970        | 2.03%           | 0.436%        |
| 2         | 5.287       | 367           | 374         | 390          | rBV      | 1206210        | 1913958       | 24.00%          | 5.152%        |
| 3         | 6.858       | 634           | 641         | 667          | rBV      | 1019960        | 1937991       | 24.30%          | 5.217%        |
| 4         | 7.652       | 769           | 776         | 786          | rBV      | 382167         | 629725        | 7.90%           | 1.695%        |
| 5         | 8.805       | 963           | 972         | 997          | rBV      | 722644         | 1317151       | 16.51%          | 3.546%        |
| 6         | 10.422      | 1239          | 1247        | 1266         | rBV      | 487658         | 878797        | 11.02%          | 2.366%        |
| 7         | 12.893      | 1657          | 1667        | 1678         | rBV      | 1970204        | 2966491       | 37.19%          | 7.986%        |
| 8         | 14.287      | 1894          | 1904        | 1917         | rBV      | 718218         | 1251439       | 15.69%          | 3.369%        |
| 9         | 15.675      | 2135          | 2140        | 2146         | rBV      | 390178         | 573068        | 7.19%           | 1.543%        |
| 10        | 15.804      | 2156          | 2162        | 2179         | rBV      | 2020360        | 3272738       | 41.03%          | 8.810%        |
| 11        | 17.092      | 2375          | 2381        | 2388         | rBV2     | 948984         | 1599345       | 20.05%          | 4.305%        |
| 12        | 18.040      | 2538          | 2542        | 2552         | rVB      | 253077         | 401843        | 5.04%           | 1.082%        |
| 13        | 19.816      | 2839          | 2844        | 2854         | rBV      | 4382635        | 5198264       | 65.18%          | 13.993%       |
| 14        | 20.669      | 2986          | 2989        | 2992         | rBV      | 116294         | 131502        | 1.65%           | 0.354%        |
| 15        | 20.722      | 2995          | 2998        | 3004         | rVB      | 371069         | 510722        | 6.40%           | 1.375%        |
| 16        | 21.045      | 3049          | 3053        | 3055         | rBV2     | 81611          | 106229        | 1.33%           | 0.286%        |
| 17        | 21.086      | 3055          | 3060        | 3069         | rVB      | 1489860        | 2586086       | 32.43%          | 6.962%        |
| 18        | 21.186      | 3073          | 3077        | 3089         | rVB      | 166925         | 274924        | 3.45%           | 0.740%        |
| 19        | 21.351      | 3099          | 3105        | 3112         | rBV      | 5431281        | 7975530       | 100.00%         | 21.470%       |
| 20        | 21.528      | 3129          | 3135        | 3142         | rBV2     | 887727         | 1653401       | 20.73%          | 4.451%        |
| 21        | 24.798      | 3684          | 3691        | 3708         | rVB2     | 616809         | 1806707       | 22.65%          | 4.864%        |

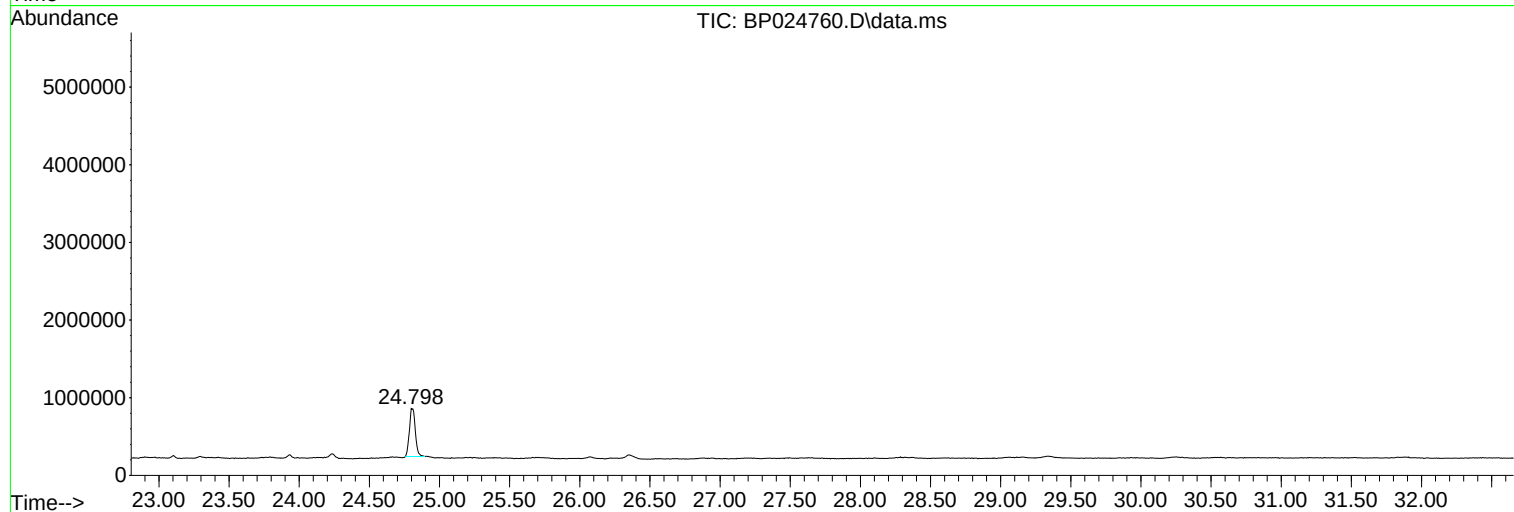
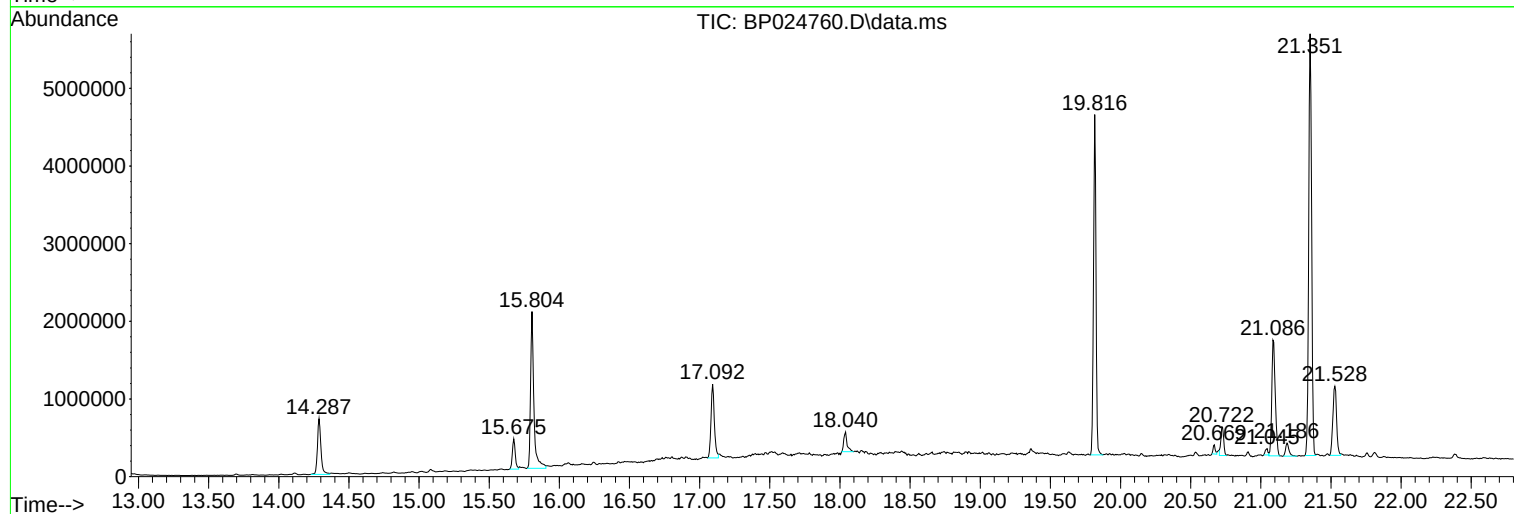
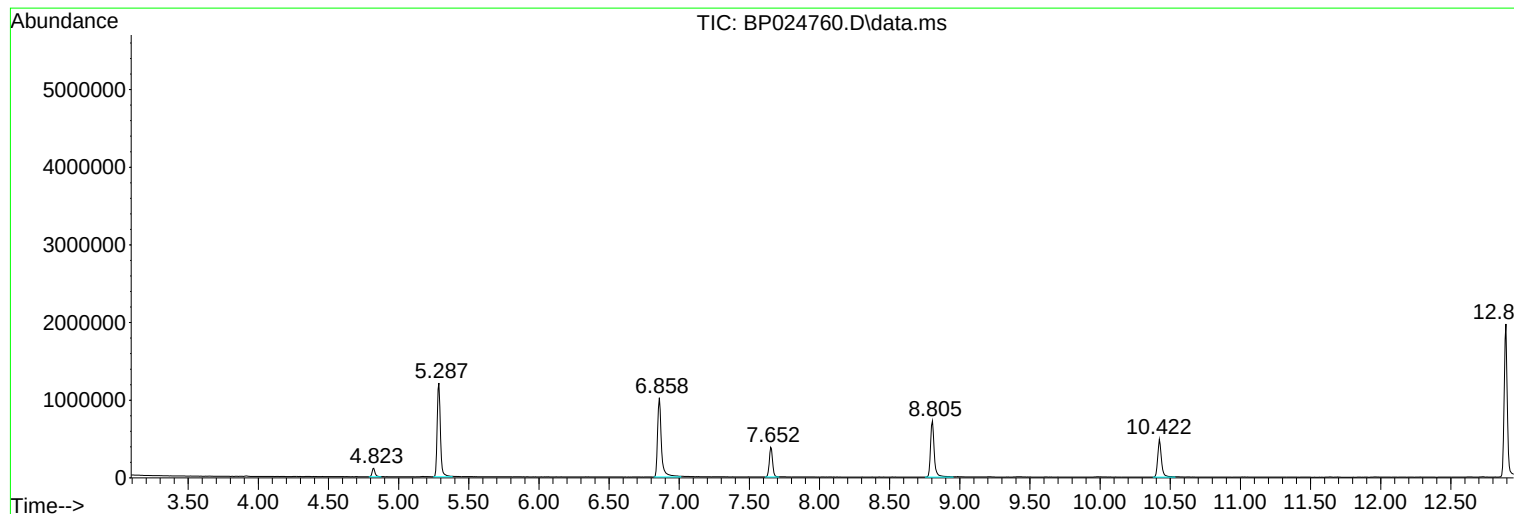
Sum of corrected areas: 37147881

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052225\  
Data File : BP024760.D  
Acq On : 22 May 2025 15:41  
Operator : RC/JU  
Sample : Q2097-07  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
VNJ-244

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP051325.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052225\  
Data File : BP024760.D  
Acq On : 22 May 2025 15:41  
Operator : RC/JU  
Sample : Q2097-07  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
VNJ-244

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP051325.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

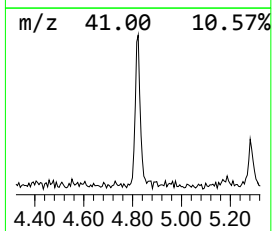
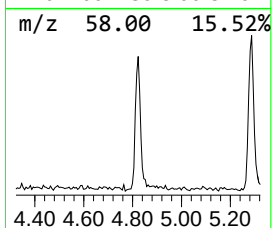
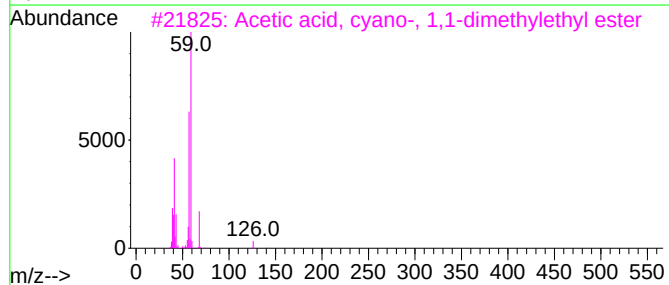
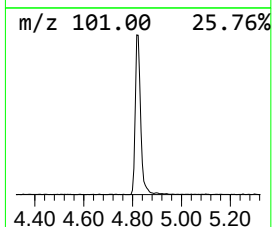
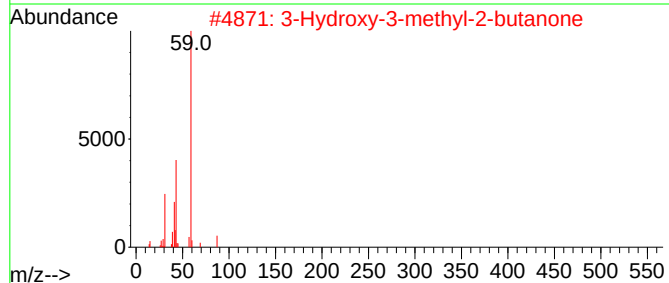
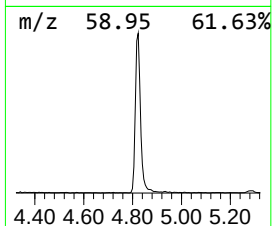
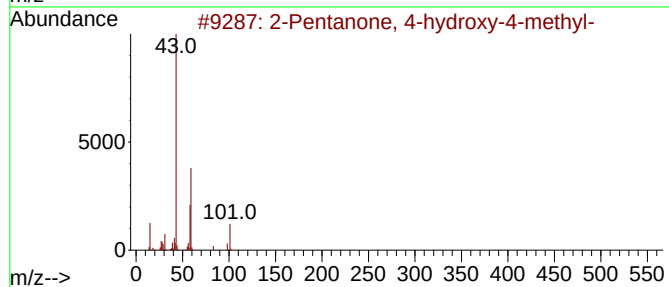
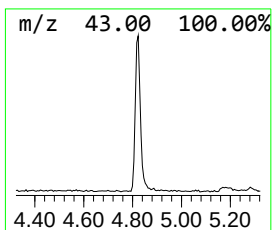
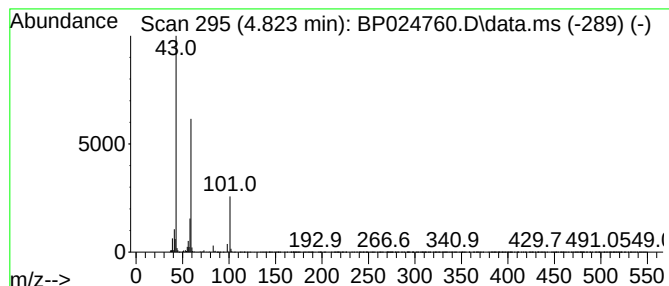
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 4.823 | 5.14 ng | 161970 | 1,4-Dichlorobenzene-d4 | 7.652 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2      | 000123-42-2 | 64      |      |      |
| 2    | 3-Hydroxy-3-methyl-2-butanone       | 102 | C5H10O2      | 000115-22-0 | 35      |      |      |
| 3    | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2     | 001116-98-9 | 25      |      |      |
| 4    | 2,5,8,11-Tetraoxadodecane           | 178 | C8H18O4      | 000112-49-2 | 17      |      |      |
| 5    | 1,2-Butanediol                      | 90  | C4H10O2      | 000584-03-2 | 17      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052225\  
Data File : BP024760.D  
Acq On : 22 May 2025 15:41  
Operator : RC/JU  
Sample : Q2097-07  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
VNJ-244

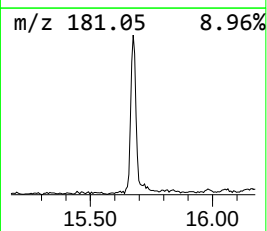
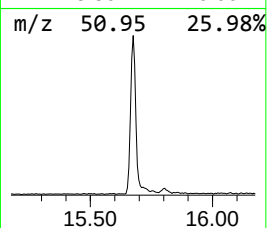
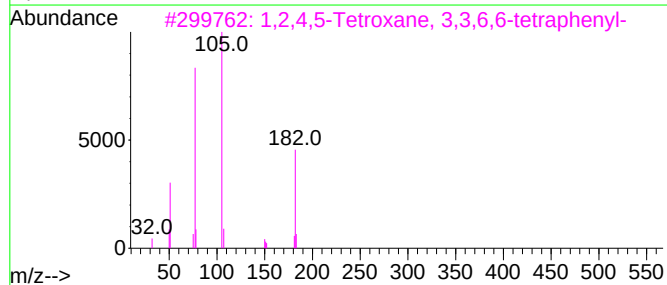
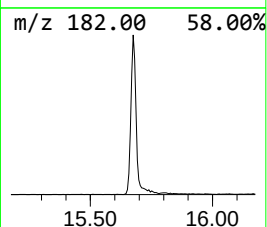
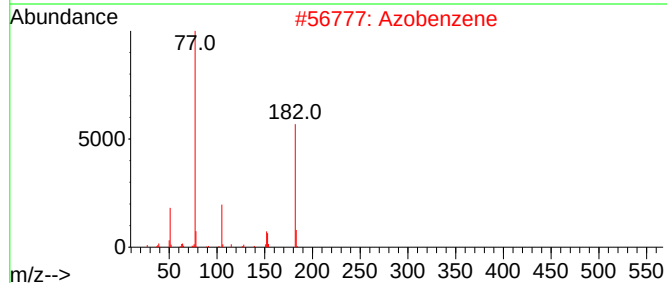
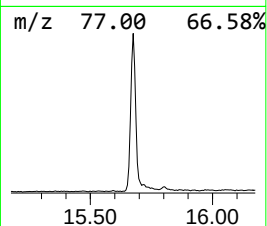
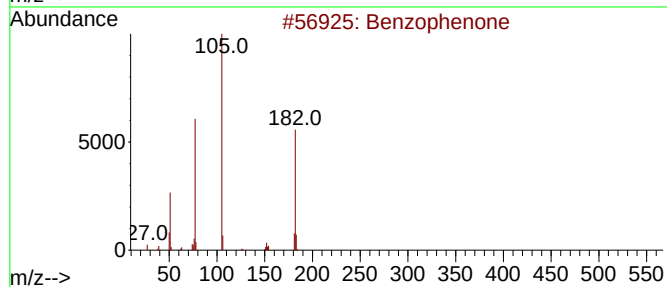
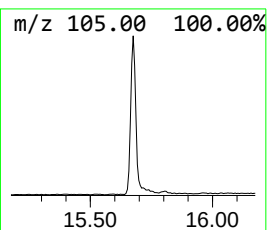
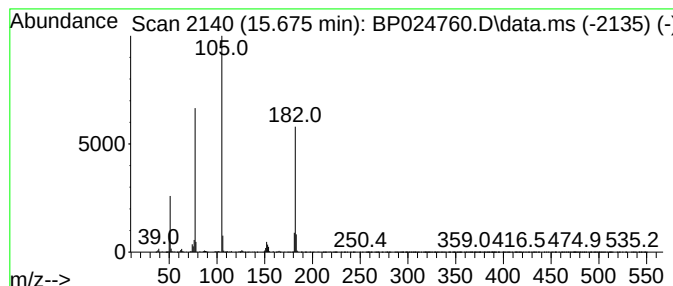
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP051325.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Benzophenone Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.675 | 9.16 ng | 573068 | Acenaphthene-d10 | 14.287 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Benzophenone                        | 182 | C13H10O  | 000119-61-9 | 96   |
| 2    |    |   | Azobenzene                          | 182 | C12H10N2 | 000103-33-3 | 72   |
| 3    |    |   | 1,2,4,5-Tetroxane, 3,3,6,6-tetra... | 396 | C26H20O4 | 016204-36-7 | 64   |
| 4    |    |   | Methanone, phenyl-2-pyridinyl-      | 183 | C12H9NO  | 000091-02-1 | 56   |
| 5    |    |   | Azobenzene, (E)-                    | 182 | C12H10N2 | 017082-12-1 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052225\  
Data File : BP024760.D  
Acq On : 22 May 2025 15:41  
Operator : RC/JU  
Sample : Q2097-07  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
VNJ-244

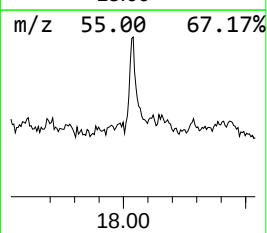
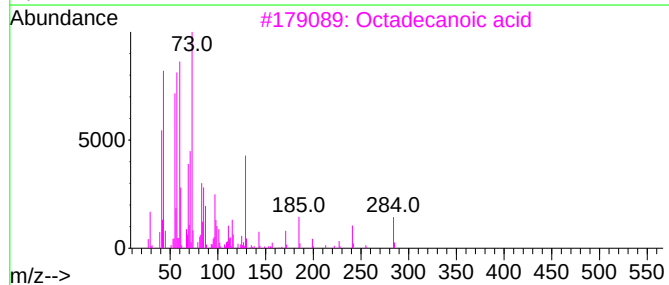
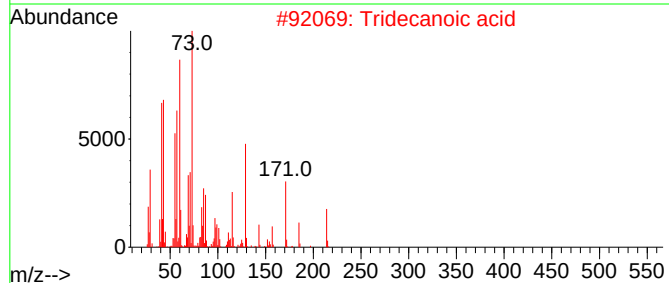
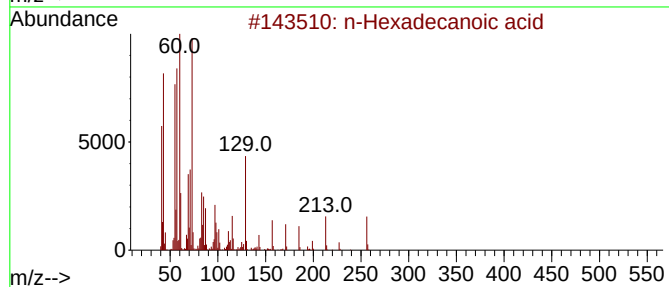
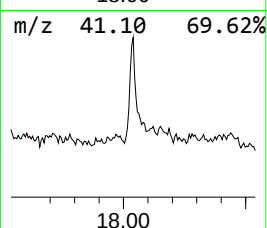
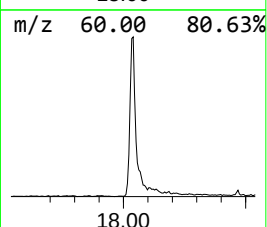
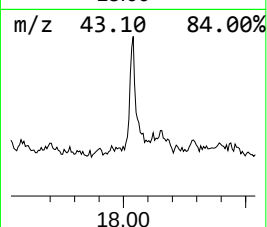
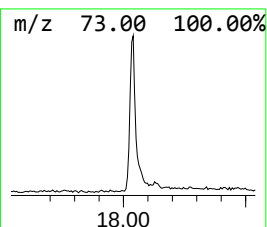
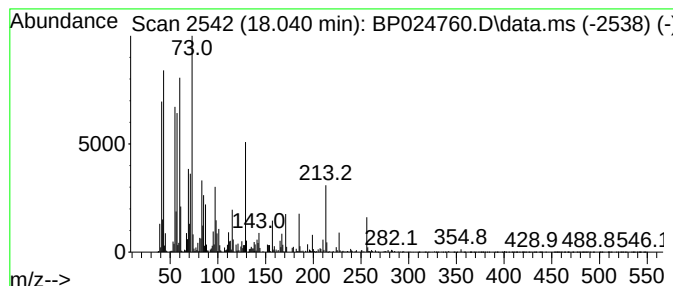
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP051325.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 n-Hexadecanoic acid Concentration Rank 6

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.040 | 5.03 ng | 401843 | Phenanthrene-d10 | 17.093 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98   |
| 2    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 95   |
| 3    |    |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 83   |
| 4    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 74   |
| 5    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 70   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052225\  
Data File : BP024760.D  
Acq On : 22 May 2025 15:41  
Operator : RC/JU  
Sample : Q2097-07  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
VNJ-244

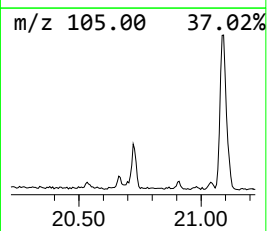
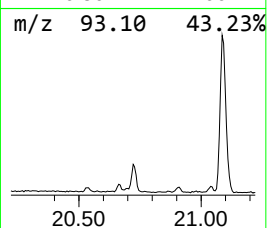
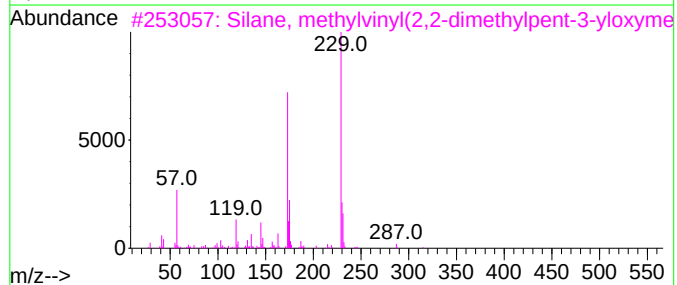
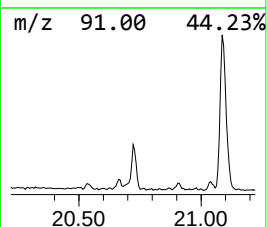
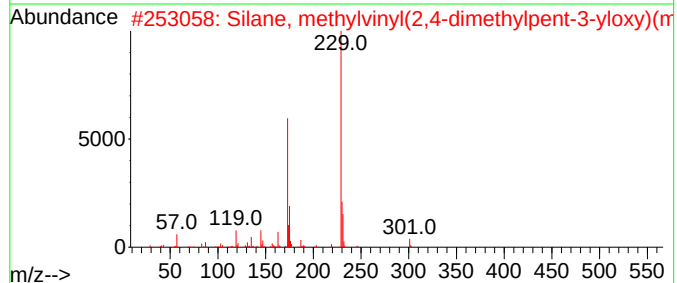
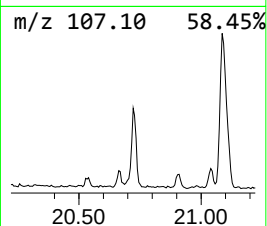
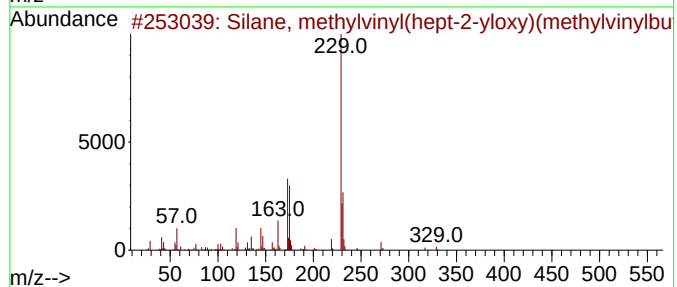
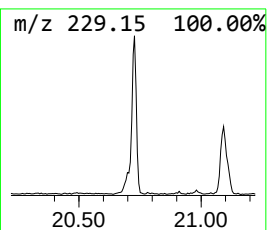
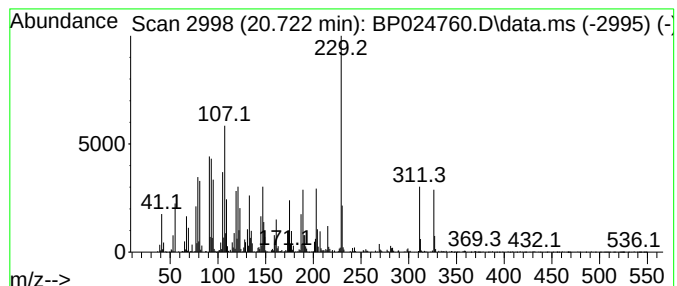
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP051325.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 unknown20.722 Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 20.722 | 6.18 ng | 510722 | Chrysene-d12     | 21.528 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Silane, methylvinyl(hept-2-yloxy... | 344 | C17H36O3Si2 | 1000415-41-9 | 35   |
| 2    |    |   | Silane, methylvinyl(2,4-dimethyl... | 344 | C17H36O3Si2 | 1000417-00-3 | 27   |
| 3    |    |   | Silane, methylvinyl(2,2-dimethyl... | 344 | C17H36O3Si2 | 1000420-85-3 | 27   |
| 4    |    |   | Silane, methylvinyl(4-methylhept... | 358 | C18H38O3Si2 | 1000420-70-5 | 25   |
| 5    |    |   | 2-{Bicyclo[2.2.1]heptan-2-yl}-4-... | 286 | C19H26O2    | 1000411-56-8 | 25   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052225\  
Data File : BP024760.D  
Acq On : 22 May 2025 15:41  
Operator : RC/JU  
Sample : Q2097-07  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
VNJ-244

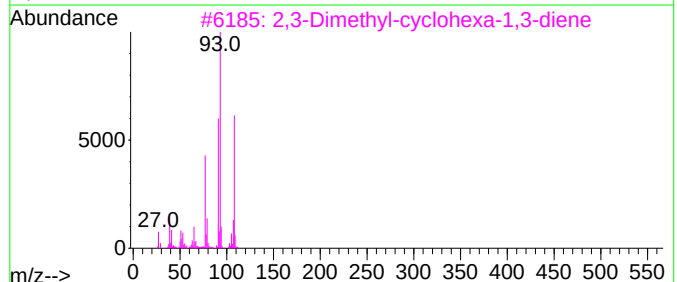
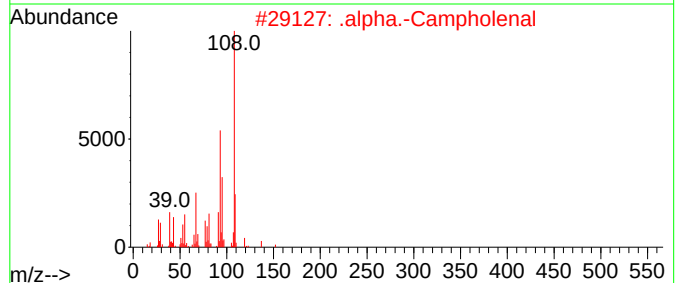
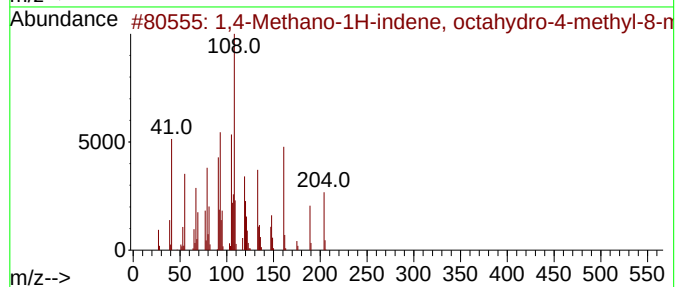
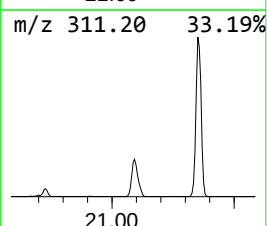
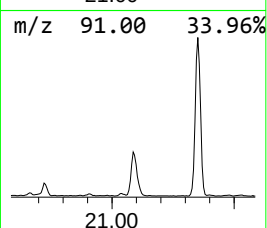
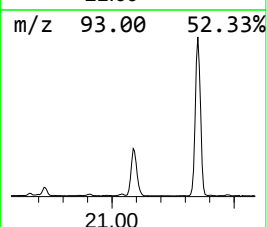
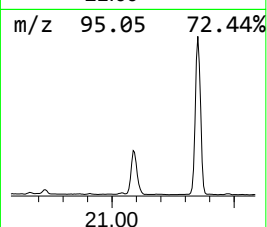
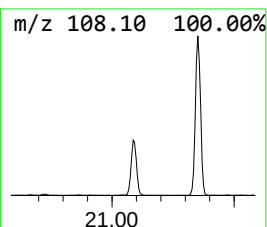
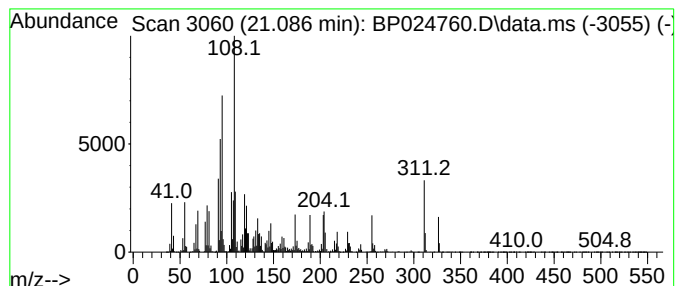
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP051325.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 1,4-Methano-1H-indene, octa... Concentration Rank 2

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 21.086 | 31.28 ng | 2586090 | Chrysene-d12     | 21.528 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1,4-Methano-1H-indene, octahydro... | 204 | C15H24  | 003650-28-0 | 58   |
| 2    |    |   | .alpha.-Campholenal                 | 152 | C10H16O | 004501-58-0 | 52   |
| 3    |    |   | 2,3-Dimethyl-cyclohexa-1,3-diene    | 108 | C8H12   | 004430-91-5 | 46   |
| 4    |    |   | Naphthalene, 1,2,3,4,4a,5,6,8a-o... | 204 | C15H24  | 000473-13-2 | 45   |
| 5    |    |   | 1,4-DIMETHYL-CYCLOHEXA-1,3-DIENE    | 108 | C8H12   | 026120-52-5 | 43   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052225\  
Data File : BP024760.D  
Acq On : 22 May 2025 15:41  
Operator : RC/JU  
Sample : Q2097-07  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
VNJ-244

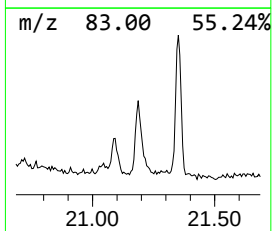
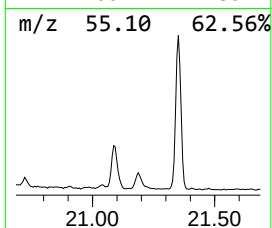
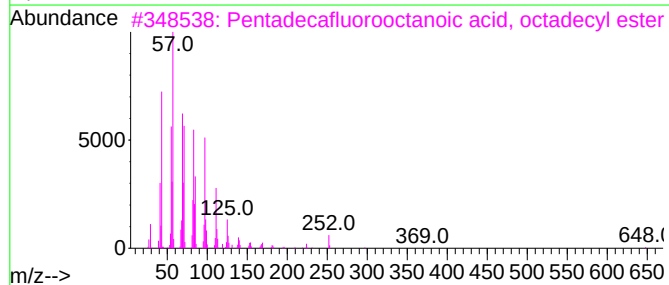
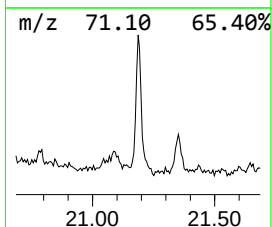
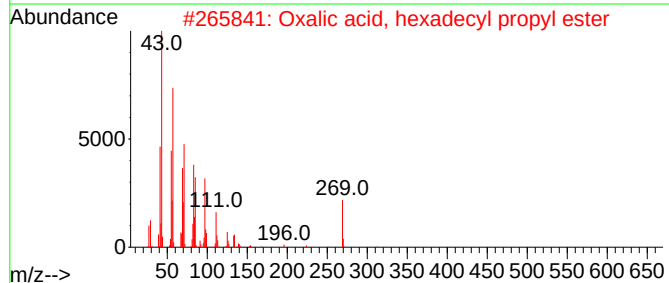
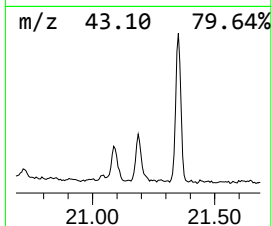
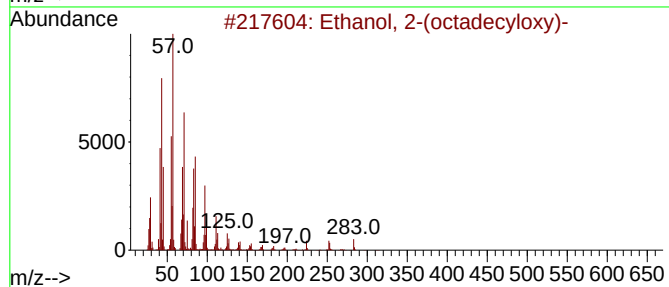
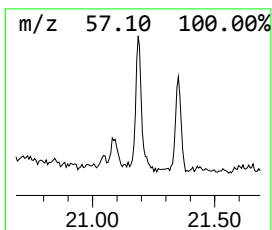
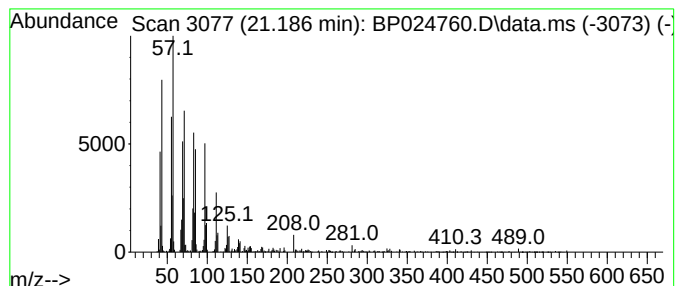
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP051325.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 6 Ethanol, 2-(octadecyloxy)- Concentration Rank 7

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 21.186 | 3.33 ng | 274924 | Chrysene-d12     | 21.528 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Ethanol, 2-(octadecyloxy)-          | 314 | C20H42O2    | 002136-72-3  | 93   |
| 2    |    |   | Oxalic acid, hexadecyl propyl ester | 356 | C21H40O4    | 1000309-26-9 | 90   |
| 3    |    |   | Pentadecafluorooctanoic acid, oc... | 666 | C26H37F15O2 | 1000406-04-8 | 90   |
| 4    |    |   | Cyclopentane, (4-octyldodecyl)-     | 350 | C25H50      | 005638-09-5  | 90   |
| 5    |    |   | Pentacos-1-ene                      | 350 | C25H50      | 016980-85-1  | 83   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052225\  
Data File : BP024760.D  
Acq On : 22 May 2025 15:41  
Operator : RC/JU  
Sample : Q2097-07  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
VNJ-244

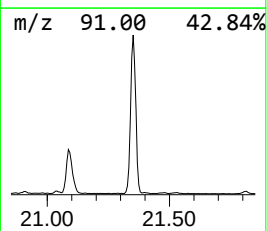
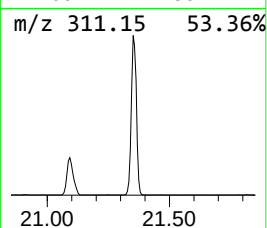
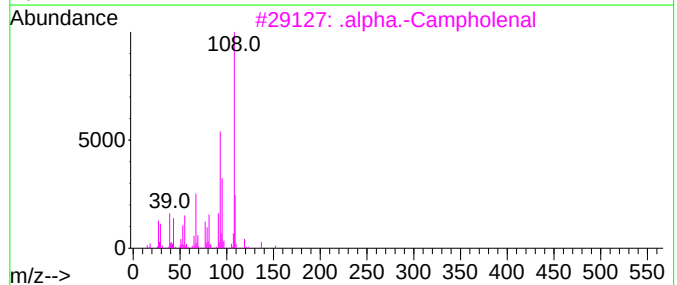
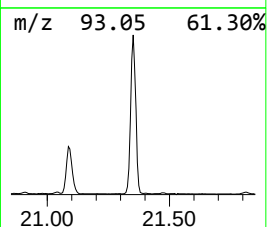
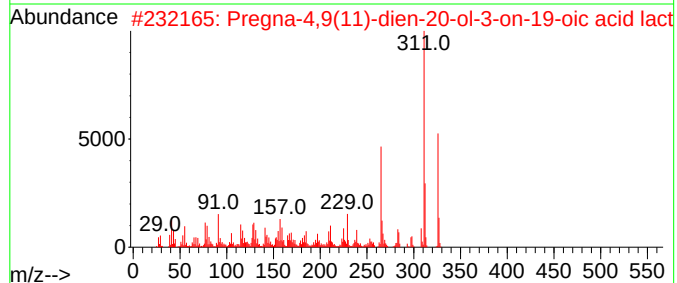
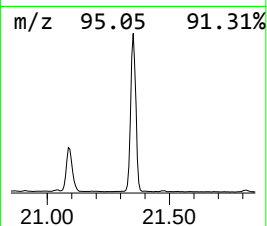
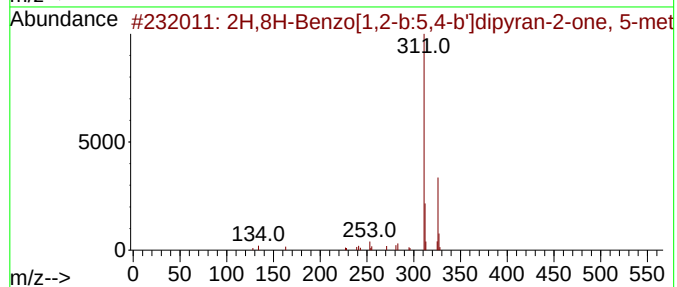
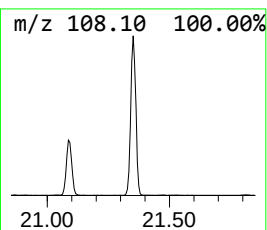
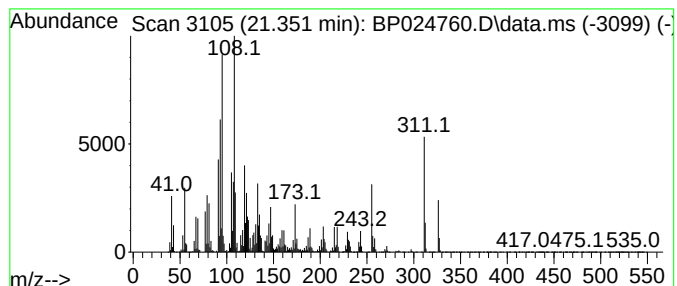
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP051325.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 7 unknown21.351 Concentration Rank 1

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 21.351 | 96.47 ng | 7975530 | Chrysene-d12     | 21.528 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | 2H,8H-Benzo[1,2-b:5,4-b']dipyran... | 326 | C20H22O4 | 055334-39-9  | 35   |
| 2    |    |   | Pregna-4,9(11)-dien-20-ol-3-on-1... | 326 | C21H26O3 | 1000190-09-6 | 25   |
| 3    |    |   | .alpha.-Campholenal                 | 152 | C10H16O  | 004501-58-0  | 18   |
| 4    |    |   | 1,3-Diphenyl-1,2-butanediol         | 242 | C16H18O2 | 005381-88-4  | 15   |
| 5    |    |   | 1,4,6-Trimethyl-1,2,3,3a,4,7,8,8... | 204 | C15H24   | 065128-08-7  | 15   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052225\  
Data File : BP024760.D  
Acq On : 22 May 2025 15:41  
Operator : RC/JU  
Sample : Q2097-07  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
VNJ-244

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP051325.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 |
| 2-Pentanone, 4-... | 4.823  | 5.1     | ng    | 161970   | 1                     | 7.652  | 629725  | 20.0 |
| Benzophenone       | 15.675 | 9.2     | ng    | 573068   | 3                     | 14.287 | 1251440 | 20.0 |
| n-Hexadecanoic ... | 18.040 | 5.0     | ng    | 401843   | 4                     | 17.093 | 1599350 | 20.0 |
| unknown20.722      | 20.722 | 6.2     | ng    | 510722   | 5                     | 21.528 | 1653400 | 20.0 |
| 1,4-Methano-1H-... | 21.086 | 31.3    | ng    | 2586090  | 5                     | 21.528 | 1653400 | 20.0 |
| Ethanol, 2-(oct... | 21.186 | 3.3     | ng    | 274924   | 5                     | 21.528 | 1653400 | 20.0 |
| unknown21.351      | 21.351 | 96.5    | ng    | 7975530  | 5                     | 21.528 | 1653400 | 20.0 |