

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\  
 Data File : BP000689.D  
 Acq On : 13 Oct 2019 00:00  
 Operator : JU  
 Sample : K5348-12  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 20190880-COMPOSITE-L

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP100119.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| 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         | 4.958       | 481           | 488         | 491          | rBV      | 2237178        | 2846723       | 49.27%          | 6.594%        |
| 2         | 5.369       | 555           | 558         | 576          | rVB      | 936690         | 950296        | 16.45%          | 2.201%        |
| 3         | 6.387       | 727           | 731         | 742          | rBV      | 3065533        | 2936093       | 50.82%          | 6.801%        |
| 4         | 6.516       | 750           | 753         | 757          | rBV      | 2044564        | 1727205       | 29.89%          | 4.001%        |
| 5         | 6.746       | 789           | 792         | 796          | rBV      | 1505863        | 1288571       | 22.30%          | 2.985%        |
| 6         | 6.816       | 801           | 804         | 811          | rBV      | 87558          | 75894         | 1.31%           | 0.176%        |
| 7         | 6.905       | 815           | 819         | 822          | rBV      | 4513924        | 3699539       | 64.03%          | 8.569%        |
| 8         | 7.310       | 883           | 888         | 891          | rBV      | 3049861        | 2643488       | 45.75%          | 6.123%        |
| 9         | 7.528       | 921           | 925         | 928          | rVB      | 94947          | 86556         | 1.50%           | 0.200%        |
| 10        | 8.034       | 1007          | 1011        | 1014         | rBV      | 1859593        | 1609523       | 27.86%          | 3.728%        |
| 11        | 9.116       | 1191          | 1195        | 1198         | rBV      | 6555012        | 5446914       | 94.27%          | 12.617%       |
| 12        | 9.510       | 1259          | 1262        | 1265         | rBV      | 1049024        | 773604        | 13.39%          | 1.792%        |
| 13        | 9.793       | 1307          | 1310        | 1314         | rVB      | 2092542        | 1896629       | 32.83%          | 4.393%        |
| 14        | 10.316      | 1396          | 1399        | 1402         | rVB2     | 157697         | 140006        | 2.42%           | 0.324%        |
| 15        | 10.587      | 1442          | 1445        | 1453         | rBV2     | 644320         | 656794        | 11.37%          | 1.521%        |
| 16        | 10.716      | 1464          | 1467        | 1475         | rVB4     | 62714          | 108352        | 1.88%           | 0.251%        |
| 17        | 11.022      | 1516          | 1519        | 1521         | rBV      | 70116          | 66272         | 1.15%           | 0.154%        |
| 18        | 11.157      | 1538          | 1542        | 1548         | rBV      | 433651         | 417535        | 7.23%           | 0.967%        |
| 19        | 11.293      | 1561          | 1565        | 1568         | rBV      | 2477954        | 2055343       | 35.57%          | 4.761%        |
| 20        | 11.316      | 1568          | 1569        | 1572         | rVV      | 124750         | 69539         | 1.20%           | 0.161%        |
| 21        | 11.363      | 1574          | 1577        | 1581         | rVB2     | 216003         | 194805        | 3.37%           | 0.451%        |
| 22        | 12.522      | 1770          | 1774        | 1777         | rBV      | 305455         | 274231        | 4.75%           | 0.635%        |
| 23        | 12.751      | 1808          | 1813        | 1816         | rBV      | 318906         | 305155        | 5.28%           | 0.707%        |
| 24        | 12.898      | 1834          | 1838        | 1842         | rBV      | 6279585        | 5777687       | 100.00%         | 13.383%       |
| 25        | 13.087      | 1867          | 1870        | 1873         | rVB      | 99833          | 97661         | 1.69%           | 0.226%        |
| 26        | 13.151      | 1878          | 1881        | 1884         | rVB2     | 89163          | 91257         | 1.58%           | 0.211%        |
| 27        | 13.816      | 1990          | 1994        | 2001         | rBV3     | 478666         | 657578        | 11.38%          | 1.523%        |
| 28        | 13.963      | 2014          | 2019        | 2022         | rBV      | 2227122        | 2362550       | 40.89%          | 5.473%        |
| 29        | 13.992      | 2022          | 2024        | 2027         | rVB      | 169157         | 141933        | 2.46%           | 0.329%        |
| 30        | 14.145      | 2047          | 2050        | 2054         | rBV2     | 104341         | 94885         | 1.64%           | 0.220%        |
| 31        | 14.457      | 2100          | 2103        | 2106         | rBV2     | 138103         | 130369        | 2.26%           | 0.302%        |
| 32        | 14.763      | 2152          | 2155        | 2158         | rBV      | 101859         | 101051        | 1.75%           | 0.234%        |
| 33        | 15.016      | 2194          | 2198        | 2201         | rBV      | 192319         | 296742        | 5.14%           | 0.687%        |
| 34        | 15.104      | 2210          | 2213        | 2220         | rVB2     | 142979         | 209077        | 3.62%           | 0.484%        |

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Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
20190880-COMPOSITE-L

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\8270-BP100119.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 15.316 | 2246 | 2249 | 2255 | rVB  | 146347  | 182677  | 3.16%  | 0.423% |
| 36 | 15.375 | 2256 | 2259 | 2265 | rBV  | 190397  | 253853  | 4.39%  | 0.588% |
| 37 | 15.439 | 2266 | 2270 | 2275 | rBV  | 1638153 | 1944451 | 33.65% | 4.504% |
| 38 | 15.928 | 2349 | 2353 | 2357 | rBV  | 83734   | 126875  | 2.20%  | 0.294% |
| 39 | 16.145 | 2388 | 2390 | 2404 | rVB7 | 76204   | 168746  | 2.92%  | 0.391% |
| 40 | 16.904 | 2515 | 2519 | 2525 | rVB2 | 69685   | 123808  | 2.14%  | 0.287% |
| 41 | 17.339 | 2589 | 2593 | 2604 | rVB  | 65907   | 141042  | 2.44%  | 0.327% |

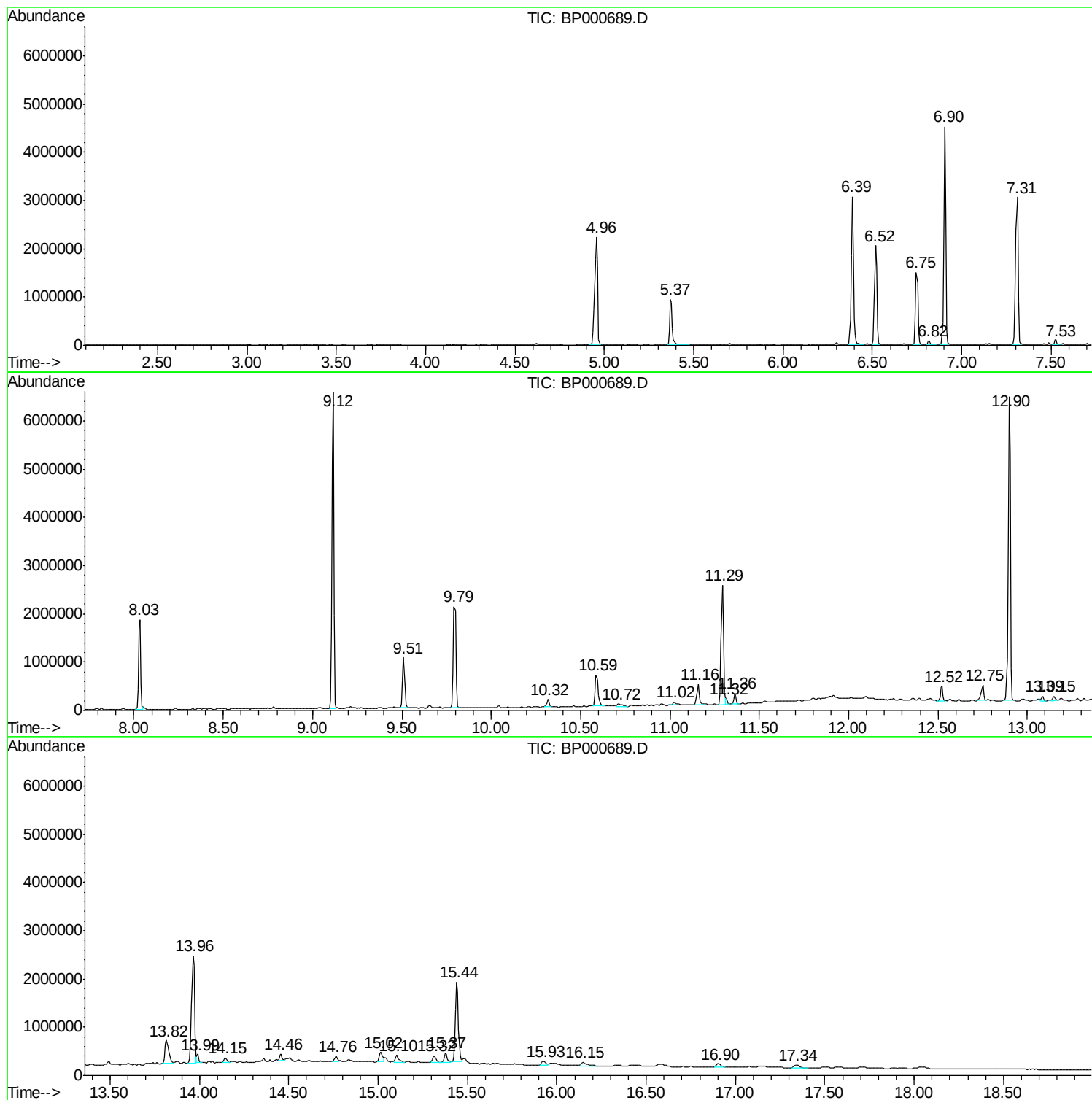
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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Misc :  
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Instrument :  
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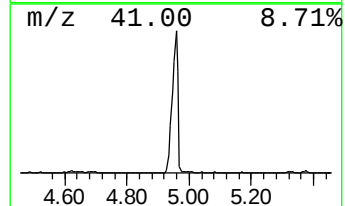
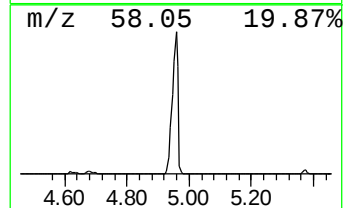
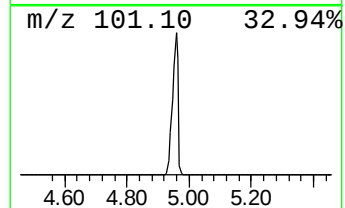
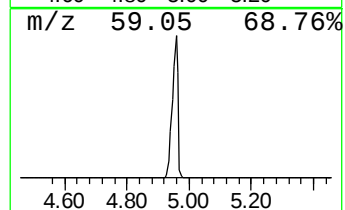
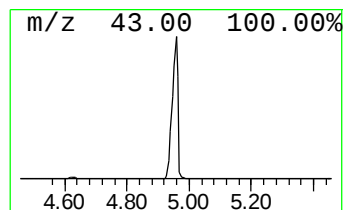
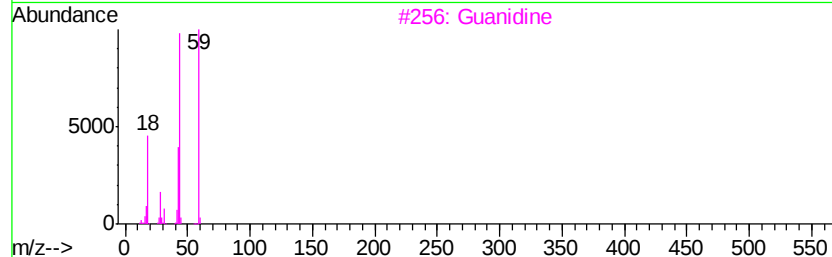
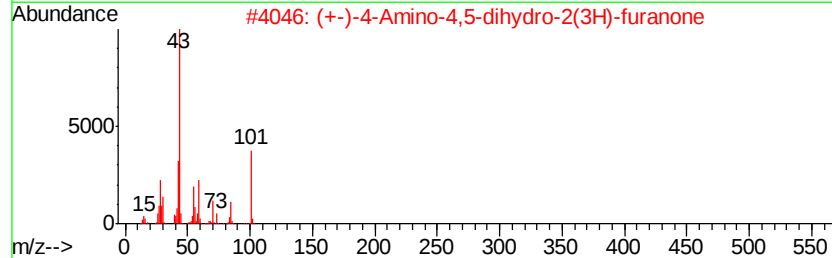
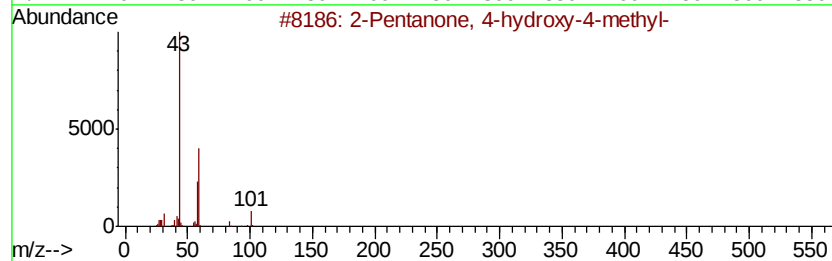
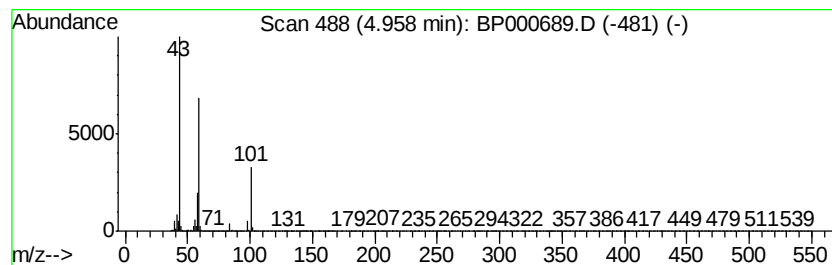
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown4.96 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 4.96 | 44.18 ng | 2846720 | 1,4-Dichlorobenzene-d4 | 6.75 |

| Hit# | of | 5 | Tentative ID                           | MW  | MolForm  | CAS#        | Qual |
|------|----|---|----------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-       | 116 | C6H12O2  | 000123-42-2 | 45   |
| 2    |    |   | (+)-4-Amino-4,5-dihydro-2(3H)-furanone | 101 | C4H7NO2  | 016504-58-8 | 43   |
| 3    |    |   | Guanidine                              | 59  | CH5N3    | 000113-00-8 | 38   |
| 4    |    |   | Acetone                                | 58  | C3H6O    | 000067-64-1 | 12   |
| 5    |    |   | Acetic acid, cyano-, 1,1-dimethyl-     | 141 | C7H11NO2 | 001116-98-9 | 12   |



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20190880-COMPOSITE-L

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

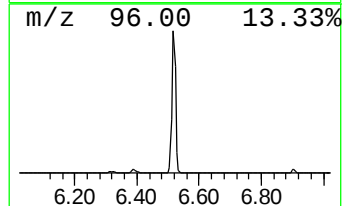
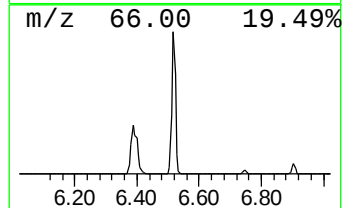
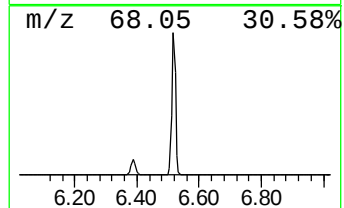
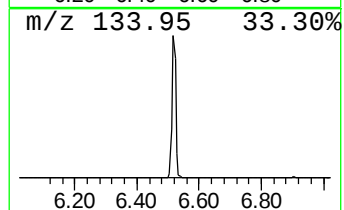
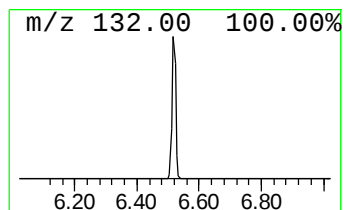
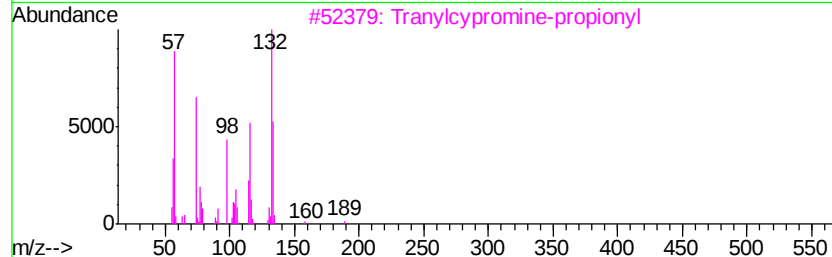
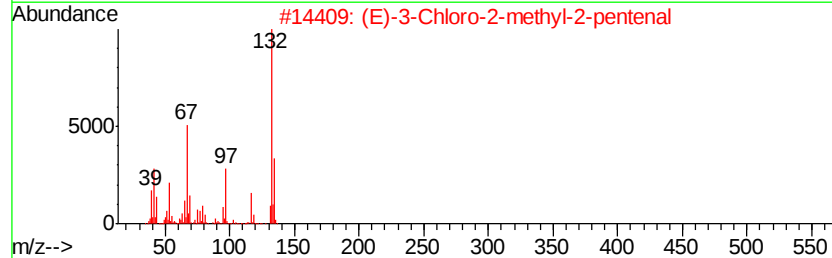
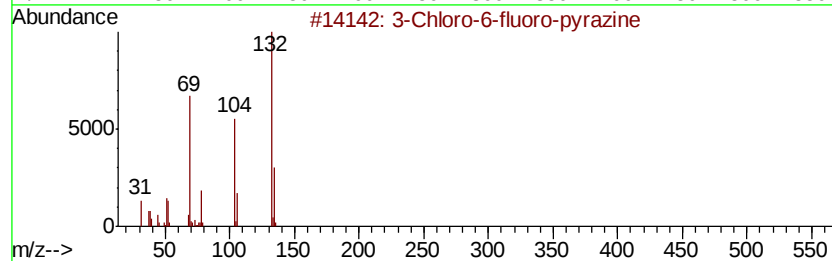
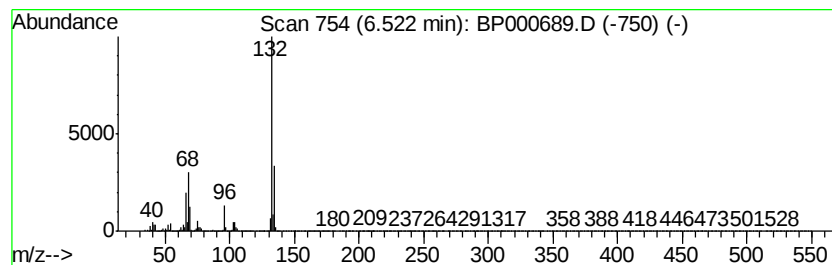
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown6.52 Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.52 | 26.81 ng | 1727210 | 1,4-Dichlorobenzene-d4 | 6.75 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 38   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3    |    | Tranvlcyproline-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4    |    | 4-Chloro-2-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-00-5  | 9    |
| 5    |    | 1-Methylpyrrolo[1,2-a]pyrazine   | 132 | C8H8N2    | 064608-59-9  | 9    |



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Instrument :  
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ClientSampleId :  
20190880-COMPOSITE-L

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

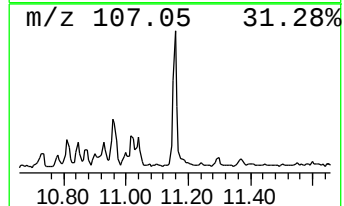
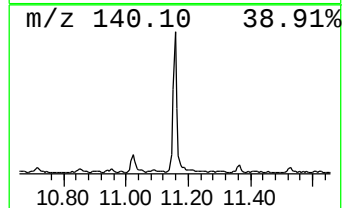
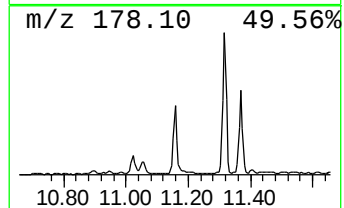
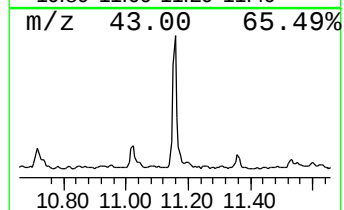
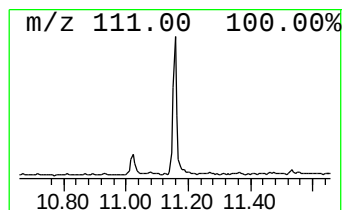
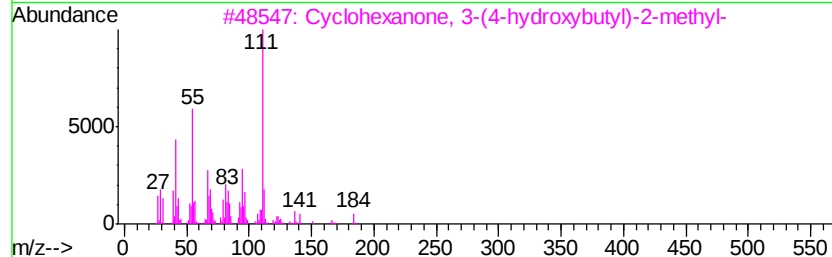
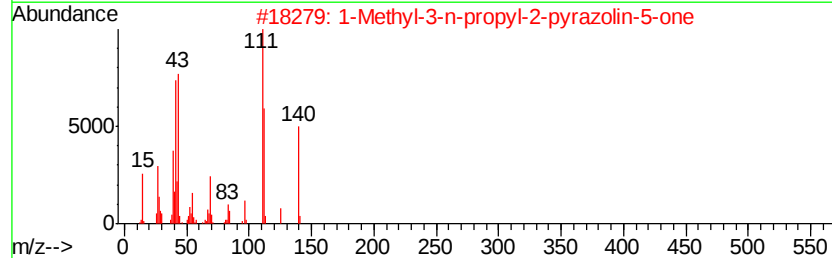
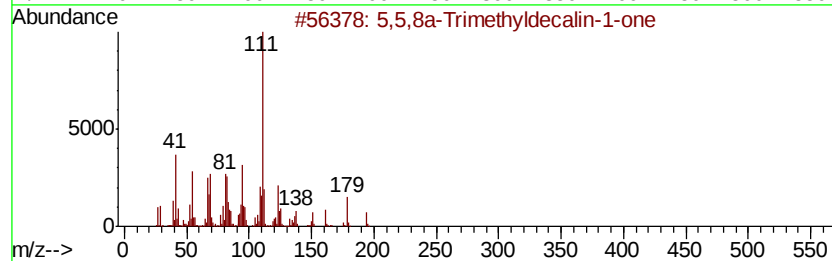
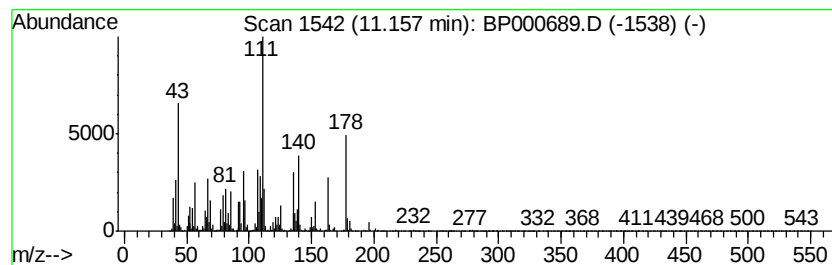
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 unknown11.16 Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.16 | 4.06 ng | 417535 | Phenanthrene-d10 | 11.29 |

| Hit# | of | Tentative ID                          | MW  | MolForm   | CAS#         | Qual |
|------|----|---------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 5,5,8a-Trimethyldecalin-1-one         | 194 | C13H22O   | 1000195-96-1 | 38   |
| 2    |    | 1-Methyl-3-n-propyl-2-pyrazolin-...   | 140 | C7H12N2O  | 031272-04-5  | 27   |
| 3    |    | Cyclohexanone, 3-(4-hydroxybutyl)-... | 184 | C11H20O2  | 091212-98-5  | 27   |
| 4    |    | 2-Aminopyrimidine-1-oxide             | 111 | C4H5N3O   | 035034-15-2  | 22   |
| 5    |    | Phosphonic acid, methyl-, 2,2-di...   | 220 | C10H21O3P | 1000273-45-9 | 22   |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

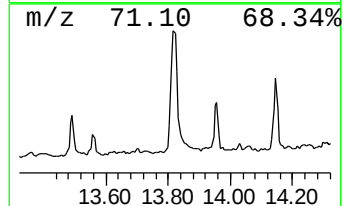
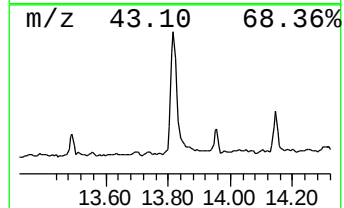
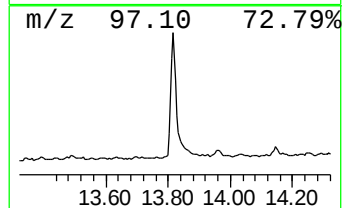
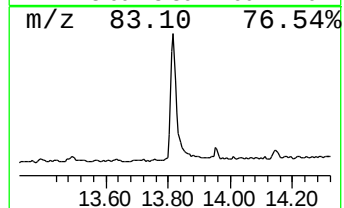
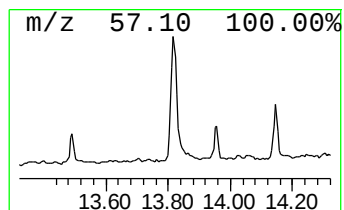
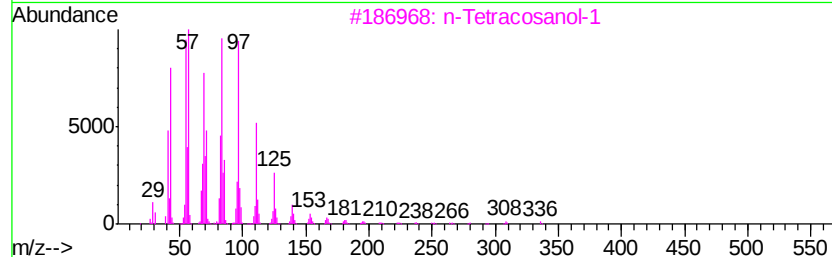
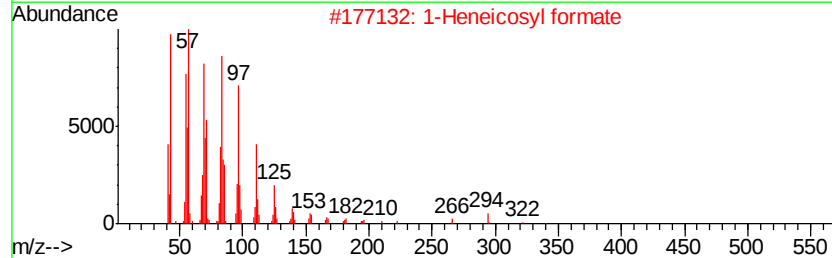
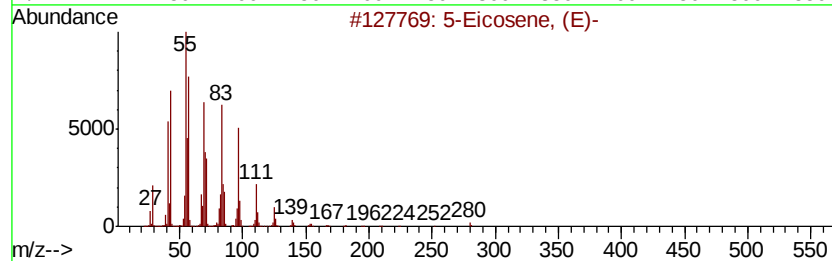
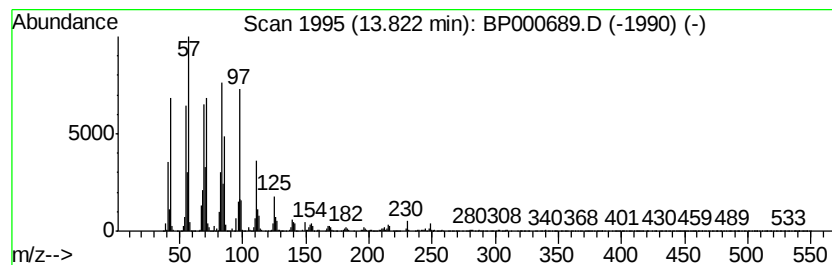
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 5-Eicosene, (E)- Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.82 | 5.57 ng | 657578 | Chrysene-d12     | 13.96 |

| Hit# | of | Tentative ID         | MW  | MolForm  | CAS#        | Qual |
|------|----|----------------------|-----|----------|-------------|------|
| 1    | 5  | 5-Eicosene, (E)-     | 280 | C20H40   | 074685-30-6 | 99   |
| 2    |    | 1-Heneicosyl formate | 340 | C22H44O2 | 077899-03-7 | 97   |
| 3    |    | n-Tetracosanol-1     | 354 | C24H50O  | 000506-51-4 | 94   |
| 4    |    | 1-Heneicosanol       | 312 | C21H44O  | 015594-90-8 | 94   |
| 5    |    | n-Nonadecanol-1      | 284 | C19H40O  | 001454-84-8 | 94   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\  
Data File : BP000689.D  
Acq On : 13 Oct 2019 00:00  
Operator : JU  
Sample : K5348-12  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
20190880-COMPOSITE-L

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

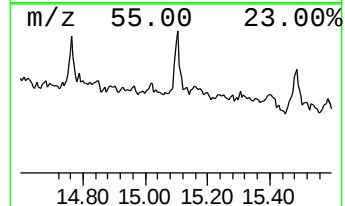
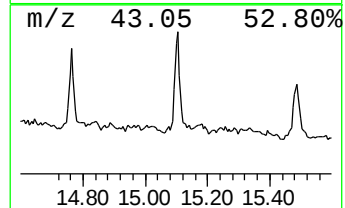
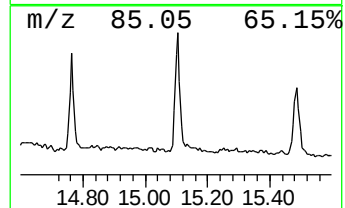
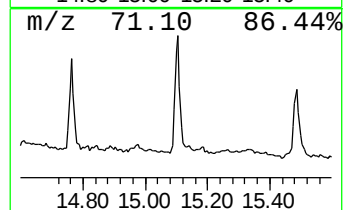
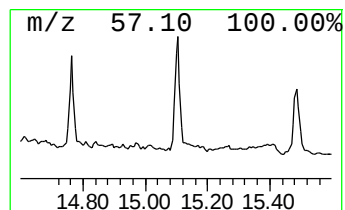
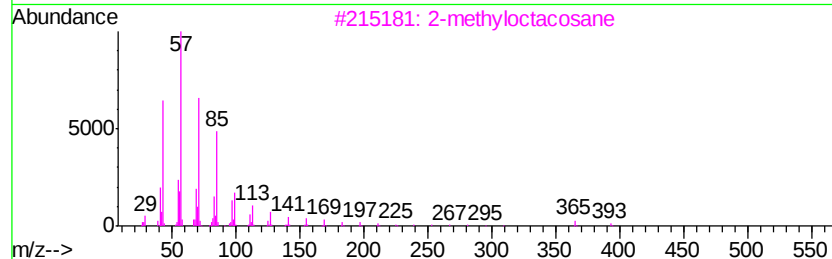
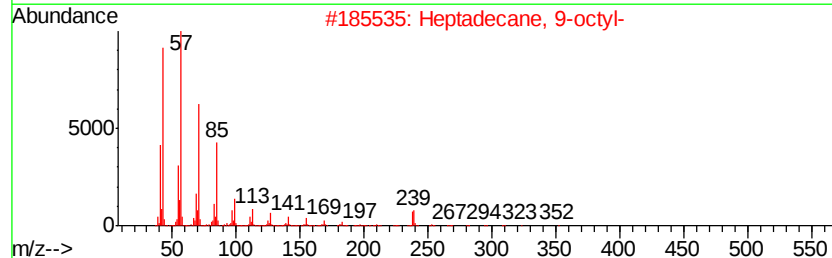
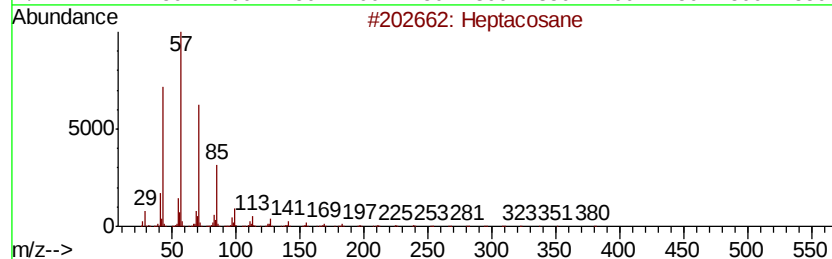
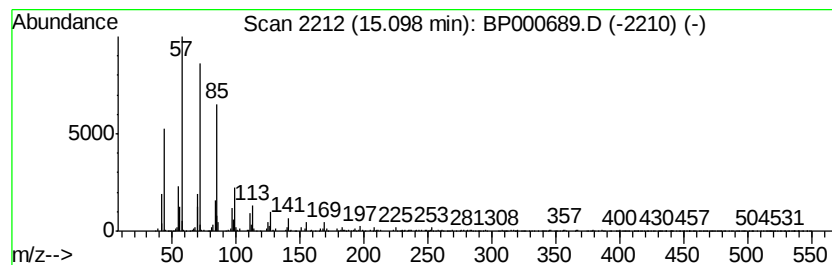
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Heptacosane Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.10 | 2.15 ng | 209077 | Perylene-d12     | 15.44 |

| Hit# of | 5                     | Tentative ID | MW  | MolForm | CAS#         | Qual |
|---------|-----------------------|--------------|-----|---------|--------------|------|
| 1       | Heptacosane           |              | 380 | C27H56  | 000593-49-7  | 94   |
| 2       | Heptadecane, 9-octyl- |              | 352 | C25H52  | 007225-64-1  | 91   |
| 3       | 2-methyloctacosane    |              | 408 | C29H60  | 1000376-72-8 | 91   |
| 4       | triacontane           |              | 422 | C30H62  | 000638-68-6  | 91   |
| 5       | Octacosane            |              | 394 | C28H58  | 000630-02-4  | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_P\DATA\BP101319\  
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Acq On : 13 Oct 2019 00:00  
Operator : JU  
Sample : K5348-12  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
20190880-COMPOSITE-L

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP100119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                  |       |         |       |          | #                     | RT    | Resp    | Conc |
| unknown4.96      | 4.96  | 44.2    | ng    | 2846720  | 1                     | 6.75  | 1288570 | 20.0 |
| unknown6.52      | 6.52  | 26.8    | ng    | 1727210  | 1                     | 6.75  | 1288570 | 20.0 |
| unknown11.16     | 11.16 | 4.1     | ng    | 417535   | 4                     | 11.29 | 2055340 | 20.0 |
| 5-Eicosene, (E)- | 13.82 | 5.6     | ng    | 657578   | 5                     | 13.96 | 2362550 | 20.0 |
| Heptacosane      | 15.10 | 2.1     | ng    | 209077   | 6                     | 15.44 | 1944450 | 20.0 |