

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\  
 Data File : BF114506.D  
 Acq On : 23 May 2019 1:39  
 Operator : JU/SJ  
 Sample : K2970-03  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-11-S

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\_F\METHODS\8270-BF051019.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         | 5.457       | 570           | 573         | 602          | rBV      | 2682821        | 3232030       | 93.38%          | 9.633%        |
| 2         | 6.475       | 742           | 746         | 764          | rBV      | 3253641        | 3461229       | 100.00%         | 10.316%       |
| 3         | 6.604       | 764           | 768         | 775          | rVV      | 3780448        | 3291746       | 95.10%          | 9.811%        |
| 4         | 6.663       | 775           | 778         | 785          | rVB2     | 30810          | 42144         | 1.22%           | 0.126%        |
| 5         | 6.828       | 803           | 806         | 813          | rBV      | 1286507        | 1099718       | 31.77%          | 3.278%        |
| 6         | 6.987       | 829           | 833         | 844          | rBV      | 2613305        | 2347518       | 67.82%          | 6.997%        |
| 7         | 7.392       | 898           | 902         | 913          | rBV      | 2085397        | 2069004       | 59.78%          | 6.167%        |
| 8         | 8.110       | 1021          | 1024        | 1033         | rBV      | 1356788        | 1270307       | 36.70%          | 3.786%        |
| 9         | 8.698       | 1122          | 1124        | 1128         | rBV      | 51073          | 43138         | 1.25%           | 0.129%        |
| 10        | 9.186       | 1203          | 1207        | 1217         | rBV      | 2815976        | 2780672       | 80.34%          | 8.288%        |
| 11        | 9.263       | 1217          | 1220        | 1223         | rVV      | 58327          | 53313         | 1.54%           | 0.159%        |
| 12        | 9.580       | 1270          | 1274        | 1282         | rVB      | 403763         | 418332        | 12.09%          | 1.247%        |
| 13        | 9.863       | 1319          | 1322        | 1327         | rBV      | 1586500        | 1505726       | 43.50%          | 4.488%        |
| 14        | 10.292      | 1392          | 1395        | 1398         | rVB      | 54841          | 48992         | 1.42%           | 0.146%        |
| 15        | 10.510      | 1426          | 1432        | 1437         | rBV      | 34193          | 59782         | 1.73%           | 0.178%        |
| 16        | 10.657      | 1453          | 1457        | 1469         | rBV      | 1888721        | 1992906       | 57.58%          | 5.940%        |
| 17        | 10.774      | 1472          | 1477        | 1480         | rBV3     | 55709          | 89955         | 2.60%           | 0.268%        |
| 18        | 11.210      | 1548          | 1551        | 1554         | rBV2     | 63049          | 55195         | 1.59%           | 0.165%        |
| 19        | 11.239      | 1554          | 1556        | 1562         | rVB4     | 42075          | 57131         | 1.65%           | 0.170%        |
| 20        | 11.351      | 1571          | 1575        | 1578         | rBV      | 1645398        | 1533673       | 44.31%          | 4.571%        |
| 21        | 11.374      | 1578          | 1579        | 1585         | rVV      | 319264         | 263138        | 7.60%           | 0.784%        |
| 22        | 11.433      | 1586          | 1589        | 1592         | rVB      | 45199          | 49290         | 1.42%           | 0.147%        |
| 23        | 11.633      | 1621          | 1623        | 1627         | rVB2     | 54187          | 47402         | 1.37%           | 0.141%        |
| 24        | 11.857      | 1658          | 1661        | 1662         | rBV      | 57820          | 54217         | 1.57%           | 0.162%        |
| 25        | 11.886      | 1664          | 1666        | 1670         | rVB      | 88778          | 84491         | 2.44%           | 0.252%        |
| 26        | 11.969      | 1677          | 1680        | 1682         | rBV2     | 77173          | 73756         | 2.13%           | 0.220%        |
| 27        | 12.039      | 1690          | 1692        | 1694         | rBV      | 51811          | 39292         | 1.14%           | 0.117%        |
| 28        | 12.151      | 1708          | 1711        | 1713         | rBV      | 45359          | 47471         | 1.37%           | 0.141%        |
| 29        | 12.204      | 1717          | 1720        | 1726         | rVB5     | 46967          | 68005         | 1.96%           | 0.203%        |
| 30        | 12.404      | 1752          | 1754        | 1756         | rBV      | 58499          | 48781         | 1.41%           | 0.145%        |
| 31        | 12.427      | 1756          | 1758        | 1762         | rVB3     | 54343          | 62614         | 1.81%           | 0.187%        |
| 32        | 12.568      | 1779          | 1782        | 1785         | rBV      | 628039         | 554737        | 16.03%          | 1.653%        |
| 33        | 12.798      | 1815          | 1821        | 1828         | rBV      | 605703         | 706634        | 20.42%          | 2.106%        |
| 34        | 12.933      | 1840          | 1844        | 1847         | rBV      | 2022065        | 1941522       | 56.09%          | 5.787%        |

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Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-11-S

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-BF051019.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 13.192 | 1886 | 1888 | 1890 | rBV  | 61027   | 42160   | 1.22%  | 0.126% |
| 36 | 13.998 | 2020 | 2025 | 2027 | rBV2 | 1201842 | 1444902 | 41.75% | 4.307% |
| 37 | 14.021 | 2027 | 2029 | 2037 | rVB  | 303859  | 319218  | 9.22%  | 0.951% |
| 38 | 14.745 | 2150 | 2152 | 2155 | rVB  | 108809  | 93030   | 2.69%  | 0.277% |
| 39 | 15.039 | 2199 | 2202 | 2205 | rBV  | 212026  | 277604  | 8.02%  | 0.827% |
| 40 | 15.339 | 2250 | 2253 | 2258 | rVB  | 140144  | 169176  | 4.89%  | 0.504% |
| 41 | 15.404 | 2261 | 2264 | 2268 | rVB  | 200935  | 232789  | 6.73%  | 0.694% |
| 42 | 15.462 | 2269 | 2274 | 2279 | rBV2 | 851488  | 1188289 | 34.33% | 3.542% |
| 43 | 15.874 | 2341 | 2344 | 2349 | rVB  | 76365   | 104212  | 3.01%  | 0.311% |
| 44 | 16.945 | 2523 | 2526 | 2534 | rVB  | 102798  | 185848  | 5.37%  | 0.554% |

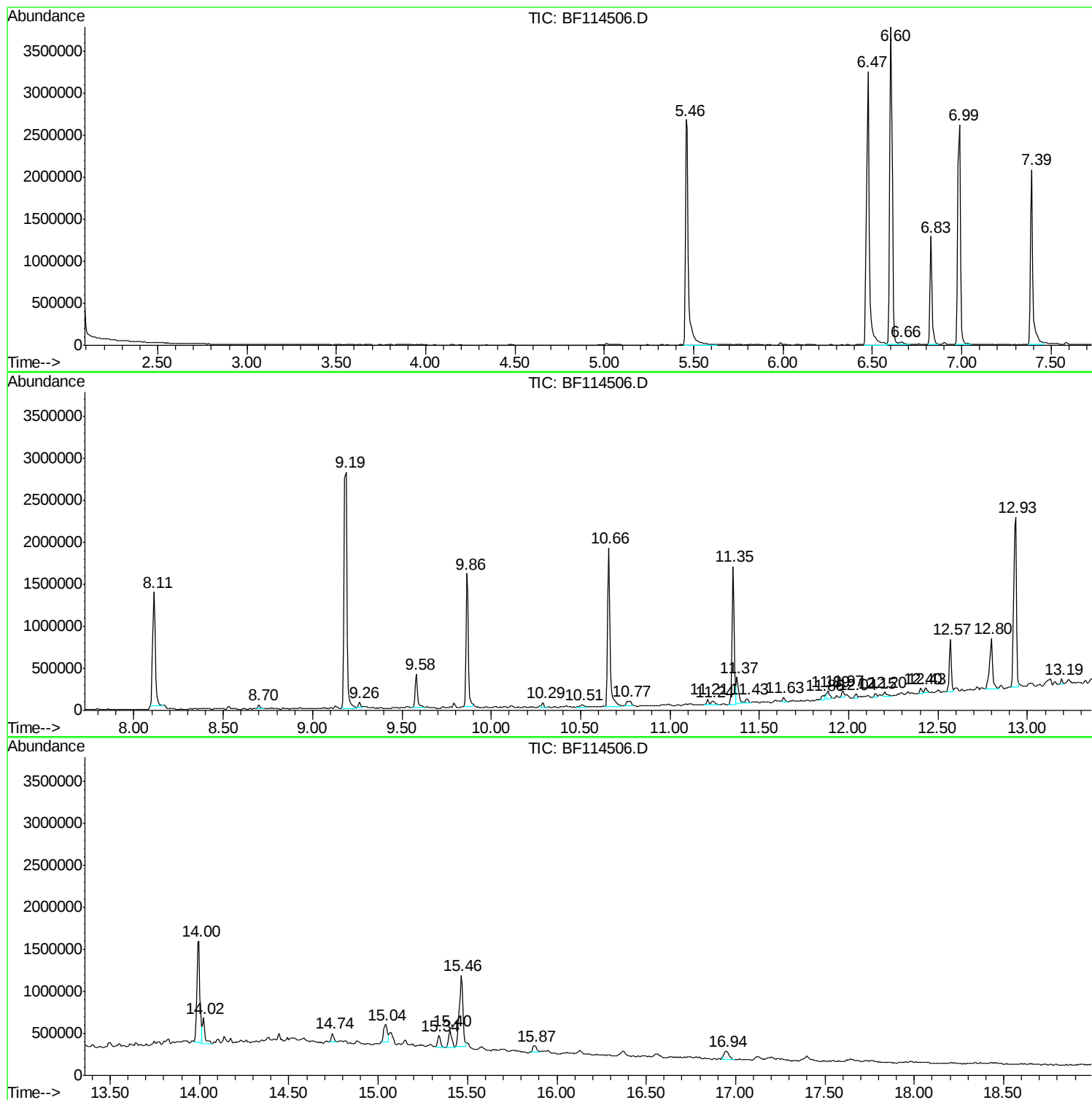
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ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
TP-11-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.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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Sample : K2970-03  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-11-S

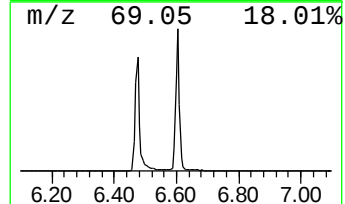
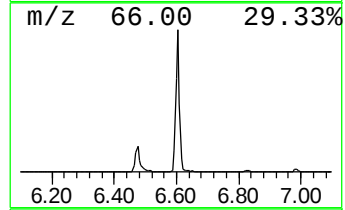
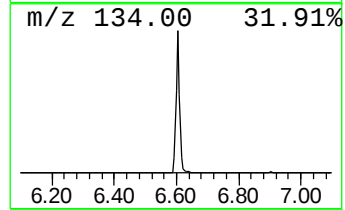
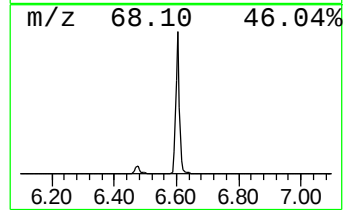
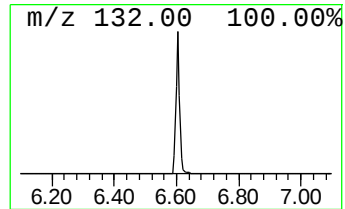
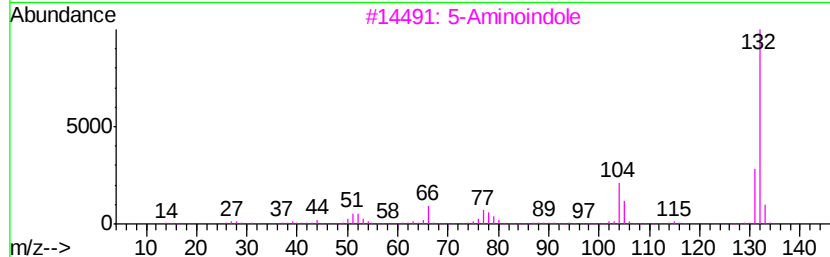
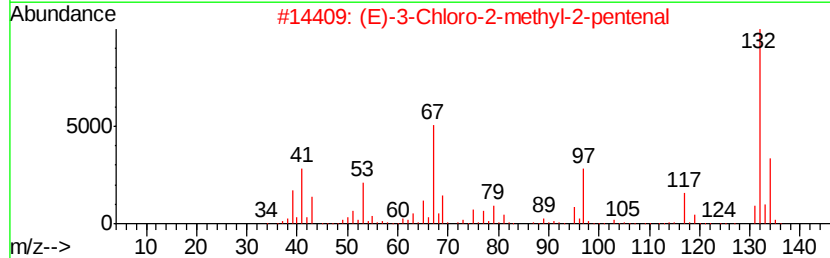
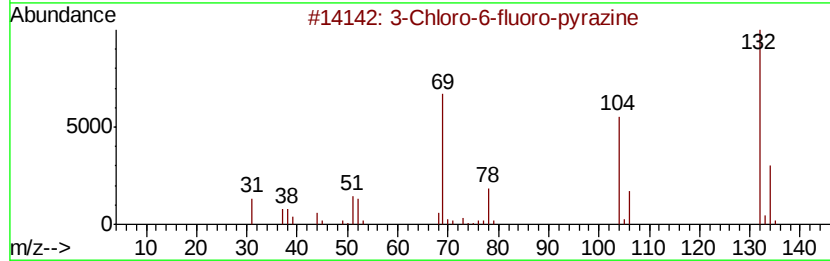
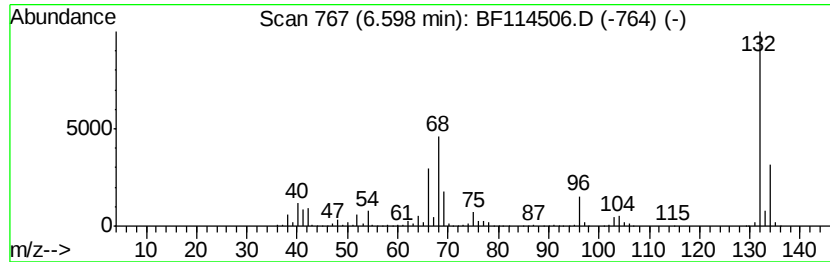
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 unknown6.60 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.60 | 59.87 ng | 3291750 | 1,4-Dichlorobenzene-d4 | 6.83 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 12   |
| 3    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |
| 4    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 5    |    | 1,3,5-Trifluorobenzene           | 132 | C6H3F3    | 000372-38-3  | 9    |



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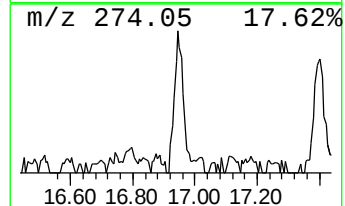
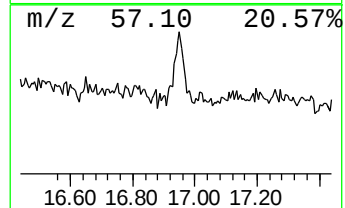
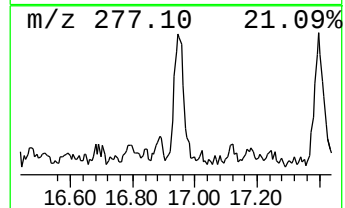
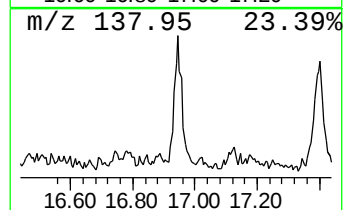
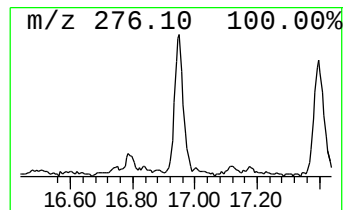
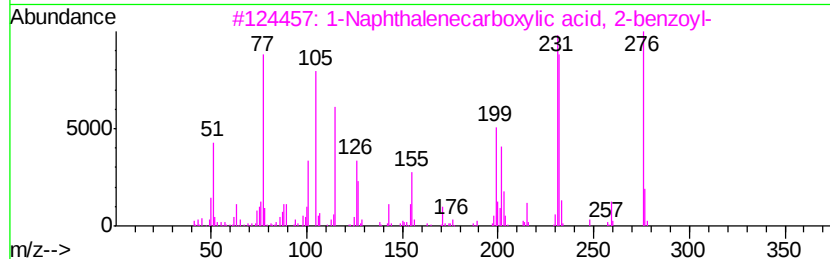
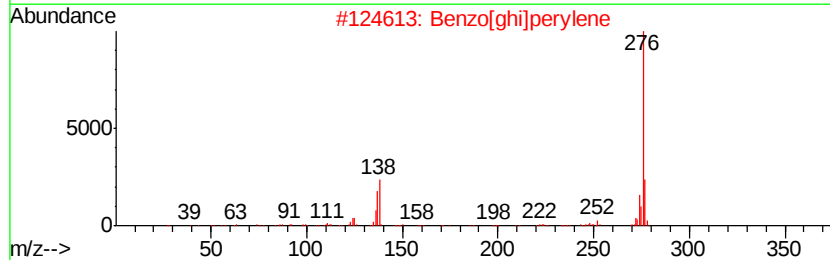
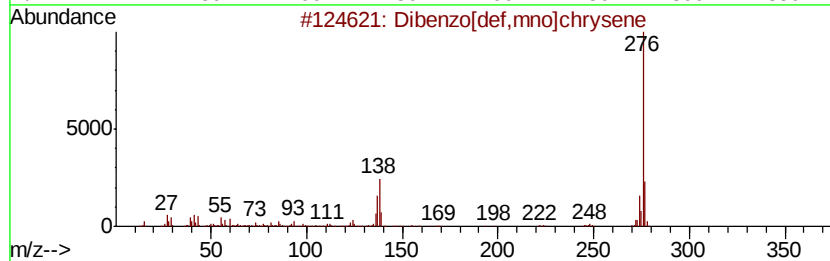
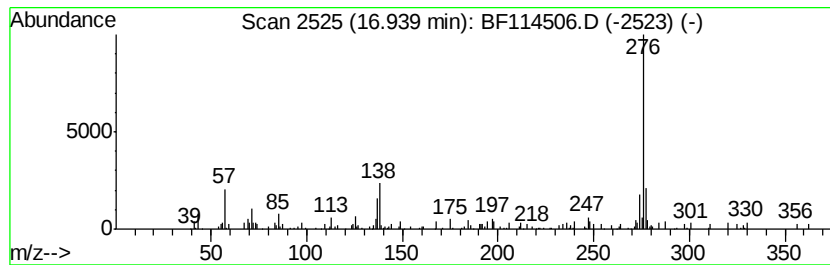
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Dibenzo[def,mno]chrysene Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.94 | 3.13 ng | 185848 | Perylene-d12     | 15.46 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Dibenzo[def,mno]chrysene            | 276 | C22H12    | 000191-26-4 | 90   |
| 2    |    | Benzo[ghi]perylene                  | 276 | C22H12    | 000191-24-2 | 89   |
| 3    |    | 1-Naphthalenecarboxylic acid, 2-... | 276 | C18H12O3  | 038119-11-8 | 55   |
| 4    |    | Indeno[1,2,3-cd]pyrene              | 276 | C22H12    | 000193-39-5 | 50   |
| 5    |    | 2-Amino-3-cyano-4,5-diphenylthio... | 276 | C17H12N2S | 042160-34-9 | 50   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF051019.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 |
| unknown6.60          | 6.60  | 59.9    | ng    | 3291750  | 1                     | 6.83  | 1099720 | 20.0 |
| Dibenzo[def,mno]c... | 16.94 | 3.1     | ng    | 185848   | 6                     | 15.46 | 1188290 | 20.0 |