

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF103122\  
 Data File : BF130892.D  
 Acq On : 31 Oct 2022 22:03  
 Operator : CG\JU  
 Sample : N5374-01 2X  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OK-2-102822

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-BF102722.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF130892.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         | 2.204       | 15            | 20          | 31           | rVB      | 175796         | 233970        | 34.63%          | 2.633%        |
| 2         | 2.316       | 35            | 39          | 46           | rVB      | 15257          | 20826         | 3.08%           | 0.234%        |
| 3         | 4.040       | 328           | 332         | 337          | rVB      | 9354           | 12147         | 1.80%           | 0.137%        |
| 4         | 5.157       | 518           | 522         | 528          | rBV      | 90479          | 97756         | 14.47%          | 1.100%        |
| 5         | 5.363       | 553           | 557         | 560          | rBV4     | 9252           | 11860         | 1.76%           | 0.133%        |
| 6         | 5.551       | 585           | 589         | 601          | rVB      | 799288         | 675608        | 100.00%         | 7.604%        |
| 7         | 6.557       | 756           | 760         | 764          | rBV      | 746203         | 639466        | 94.65%          | 7.197%        |
| 8         | 6.769       | 793           | 796         | 800          | rBV      | 11341          | 12259         | 1.81%           | 0.138%        |
| 9         | 6.945       | 822           | 826         | 829          | rBV      | 622514         | 485986        | 71.93%          | 5.470%        |
| 10        | 7.504       | 917           | 921         | 924          | rBV      | 438745         | 355500        | 52.62%          | 4.001%        |
| 11        | 7.534       | 924           | 926         | 930          | rVB2     | 18645          | 16752         | 2.48%           | 0.189%        |
| 12        | 7.581       | 930           | 934         | 938          | rBV5     | 9385           | 15083         | 2.23%           | 0.170%        |
| 13        | 8.139       | 1024          | 1029        | 1033         | rBV5     | 11919          | 25532         | 3.78%           | 0.287%        |
| 14        | 8.198       | 1037          | 1039        | 1041         | rBV      | 14224          | 12008         | 1.78%           | 0.135%        |
| 15        | 8.228       | 1041          | 1044        | 1047         | rBV      | 668507         | 535438        | 79.25%          | 6.026%        |
| 16        | 8.516       | 1089          | 1093        | 1097         | rBV6     | 10868          | 14000         | 2.07%           | 0.158%        |
| 17        | 8.810       | 1141          | 1143        | 1148         | rBV3     | 24009          | 23699         | 3.51%           | 0.267%        |
| 18        | 9.045       | 1178          | 1183        | 1186         | rBV3     | 20619          | 24792         | 3.67%           | 0.279%        |
| 19        | 9.175       | 1202          | 1205        | 1210         | rBV6     | 9856           | 14626         | 2.16%           | 0.165%        |
| 20        | 9.304       | 1223          | 1227        | 1230         | rBV      | 840737         | 627512        | 92.88%          | 7.062%        |
| 21        | 9.380       | 1237          | 1240        | 1243         | rBV      | 35174          | 26728         | 3.96%           | 0.301%        |
| 22        | 9.451       | 1248          | 1252        | 1256         | rVB4     | 14295          | 15746         | 2.33%           | 0.177%        |
| 23        | 9.569       | 1269          | 1272        | 1276         | rBV5     | 14952          | 20923         | 3.10%           | 0.235%        |
| 24        | 9.645       | 1282          | 1285        | 1287         | rBV      | 19601          | 17606         | 2.61%           | 0.198%        |
| 25        | 9.698       | 1291          | 1294        | 1297         | rVB4     | 15677          | 15729         | 2.33%           | 0.177%        |
| 26        | 9.763       | 1302          | 1305        | 1308         | rBV4     | 18180          | 18222         | 2.70%           | 0.205%        |
| 27        | 9.851       | 1314          | 1320        | 1323         | rBV      | 26712          | 29945         | 4.43%           | 0.337%        |
| 28        | 9.910       | 1327          | 1330        | 1334         | rVB      | 36645          | 31022         | 4.59%           | 0.349%        |
| 29        | 9.992       | 1340          | 1344        | 1347         | rVB      | 694373         | 562773        | 83.30%          | 6.334%        |
| 30        | 10.022      | 1347          | 1349        | 1352         | rVB      | 30959          | 24453         | 3.62%           | 0.275%        |
| 31        | 10.092      | 1358          | 1361        | 1365         | rVB6     | 13463          | 18270         | 2.70%           | 0.206%        |
| 32        | 10.145      | 1365          | 1370        | 1372         | rBV5     | 14817          | 25417         | 3.76%           | 0.286%        |
| 33        | 10.192      | 1376          | 1378        | 1383         | rVB3     | 16567          | 18030         | 2.67%           | 0.203%        |
| 34        | 10.233      | 1383          | 1385        | 1389         | rBV4     | 18588          | 17392         | 2.57%           | 0.196%        |
| 35        | 10.310      | 1394          | 1398        | 1399         | rBV3     | 15884          | 16032         | 2.37%           | 0.180%        |
| 36        | 10.410      | 1409          | 1415        | 1419         | rBV2     | 45435          | 55982         | 8.29%           | 0.630%        |

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 Sample : N5374-01 2X  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OK-2-102822

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-BF102722.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 10.539 | 1434 | 1437 | 1440 | rBV  | 26166  | 24988  | 3.70%  | 0.281% |
| 38 | 10.627 | 1450 | 1452 | 1455 | rBV  | 20863  | 22089  | 3.27%  | 0.249% |
| 39 | 10.780 | 1475 | 1478 | 1482 | rBV  | 466692 | 384295 | 56.88% | 4.325% |
| 40 | 10.886 | 1493 | 1496 | 1502 | rBV  | 137787 | 149325 | 22.10% | 1.681% |
| 41 | 11.022 | 1516 | 1519 | 1522 | rBV  | 24819  | 26237  | 3.88%  | 0.295% |
| 42 | 11.116 | 1533 | 1535 | 1539 | rBV4 | 13263  | 18316  | 2.71%  | 0.206% |
| 43 | 11.186 | 1543 | 1547 | 1548 | rBV4 | 17421  | 19623  | 2.90%  | 0.221% |
| 44 | 11.210 | 1548 | 1551 | 1552 | rBV2 | 18713  | 19874  | 2.94%  | 0.224% |
| 45 | 11.274 | 1560 | 1562 | 1566 | rBV4 | 15641  | 24549  | 3.63%  | 0.276% |
| 46 | 11.339 | 1570 | 1573 | 1576 | rVV2 | 99011  | 100738 | 14.91% | 1.134% |
| 47 | 11.369 | 1576 | 1578 | 1584 | rVB2 | 36925  | 62582  | 9.26%  | 0.704% |
| 48 | 11.486 | 1594 | 1598 | 1600 | rBV  | 676352 | 606842 | 89.82% | 6.830% |
| 49 | 11.510 | 1600 | 1602 | 1605 | rVV  | 248312 | 196688 | 29.11% | 2.214% |
| 50 | 11.557 | 1608 | 1610 | 1612 | rVV  | 39204  | 33275  | 4.93%  | 0.374% |
| 51 | 11.586 | 1612 | 1615 | 1619 | rVV2 | 33129  | 37555  | 5.56%  | 0.423% |
| 52 | 11.710 | 1634 | 1636 | 1643 | rVB2 | 38919  | 42567  | 6.30%  | 0.479% |
| 53 | 11.769 | 1643 | 1646 | 1651 | rBV2 | 54742  | 64304  | 9.52%  | 0.724% |
| 54 | 11.816 | 1652 | 1654 | 1659 | rVB2 | 37485  | 49665  | 7.35%  | 0.559% |
| 55 | 11.986 | 1681 | 1683 | 1686 | rBV2 | 47269  | 62605  | 9.27%  | 0.705% |
| 56 | 12.016 | 1686 | 1688 | 1690 | rVB  | 54449  | 43134  | 6.38%  | 0.485% |
| 57 | 12.098 | 1699 | 1702 | 1704 | rBV2 | 77512  | 80046  | 11.85% | 0.901% |
| 58 | 12.174 | 1713 | 1715 | 1720 | rBV2 | 65132  | 61060  | 9.04%  | 0.687% |
| 59 | 12.310 | 1735 | 1738 | 1742 | rVB3 | 48268  | 58800  | 8.70%  | 0.662% |
| 60 | 12.539 | 1774 | 1777 | 1779 | rBV2 | 66072  | 67853  | 10.04% | 0.764% |
| 61 | 12.569 | 1779 | 1782 | 1785 | rVV3 | 110031 | 111344 | 16.48% | 1.253% |
| 62 | 12.704 | 1802 | 1805 | 1808 | rBV  | 369428 | 327689 | 48.50% | 3.688% |
| 63 | 12.933 | 1841 | 1844 | 1851 | rVB2 | 352290 | 360891 | 53.42% | 4.062% |
| 64 | 13.074 | 1865 | 1868 | 1871 | rBV  | 658681 | 547185 | 80.99% | 6.158% |
| 65 | 13.298 | 1904 | 1906 | 1909 | rBV  | 114941 | 105028 | 15.55% | 1.182% |
| 66 | 14.133 | 2045 | 2048 | 2051 | rBV2 | 409361 | 406949 | 60.23% | 4.580% |

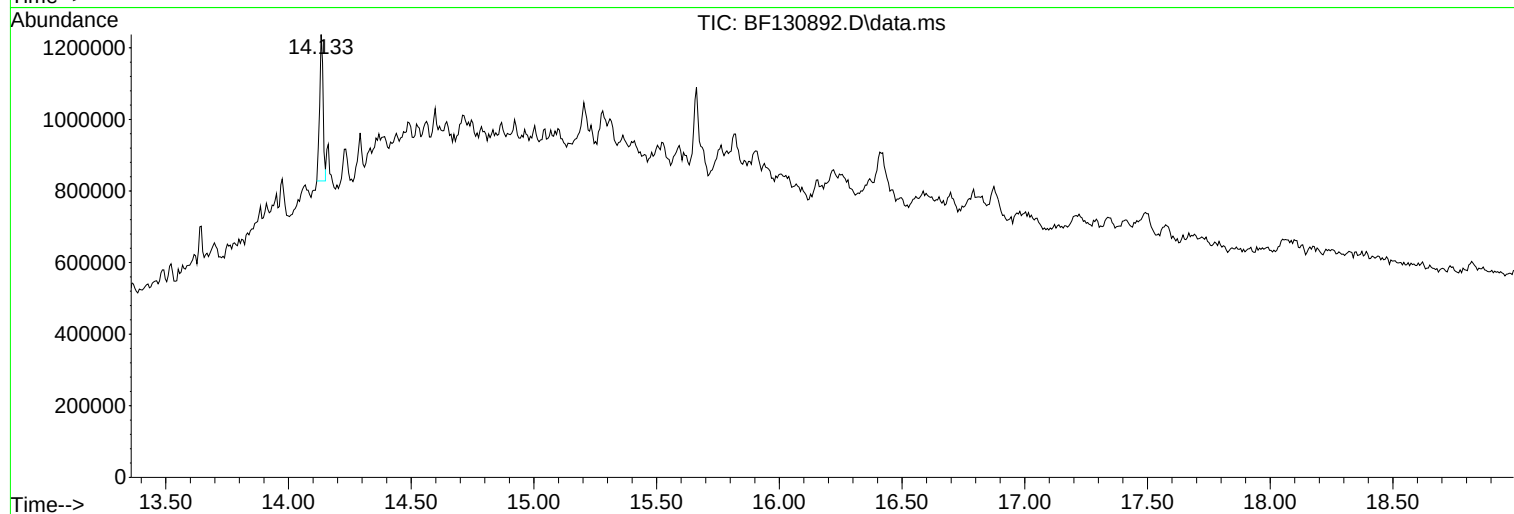
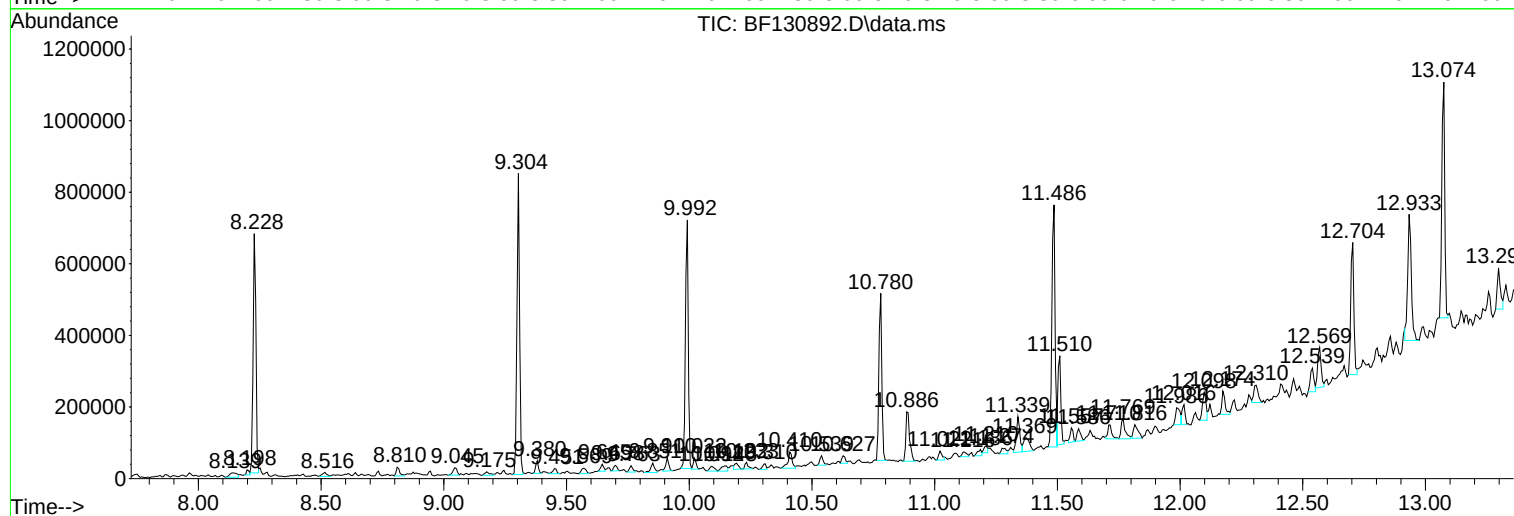
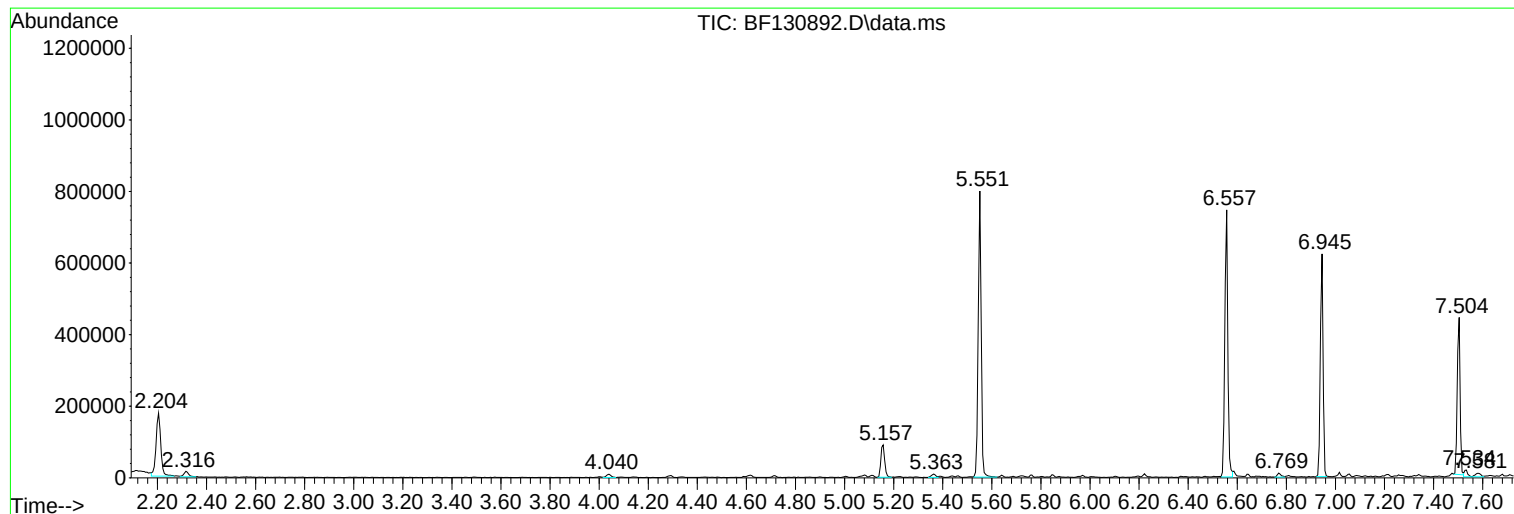
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Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OK-2-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102722.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\_F\Data\BF103122\  
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Sample : N5374-01 2X  
Misc :  
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Instrument :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

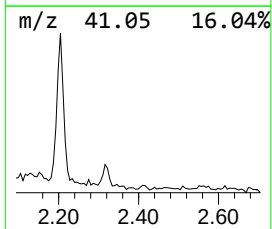
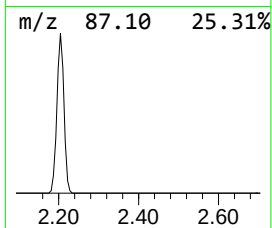
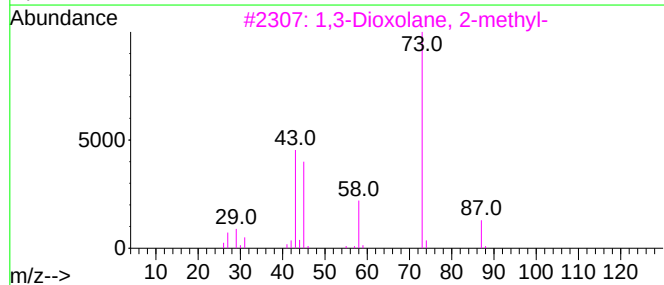
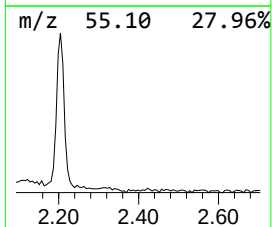
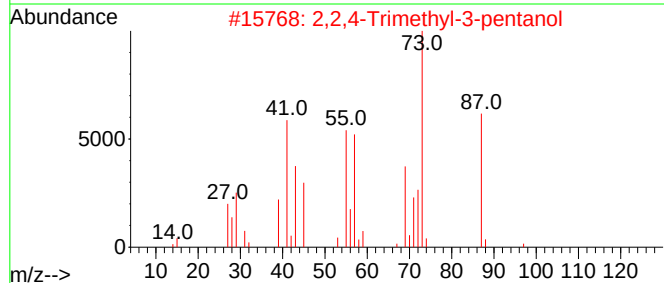
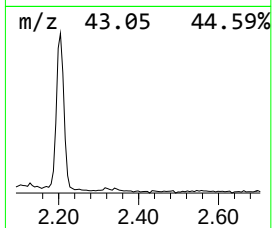
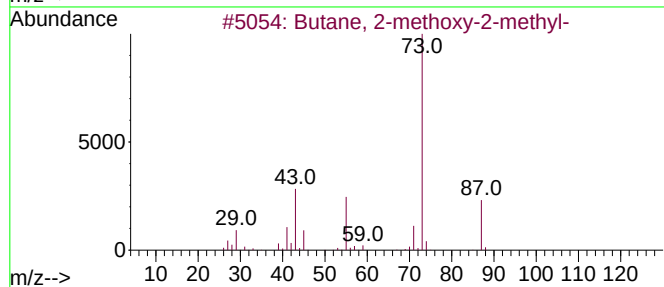
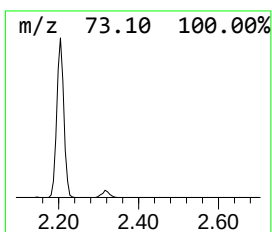
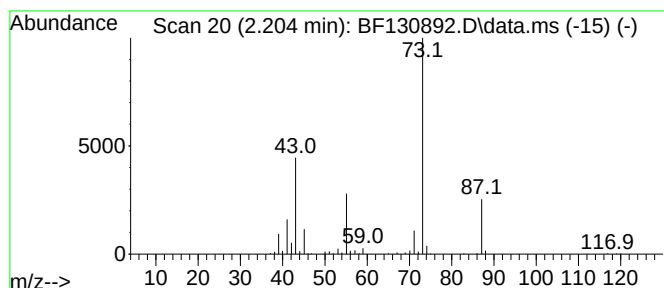
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 2.204 | 9.63 ng | 233970 | 1,4-Dichlorobenzene-d4 | 6.945 |

| 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 | 40   |
| 3    |    |   | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 23   |
| 4    |    |   | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 23   |
| 5    |    |   | 1,3-Dioxolane, 2-propyl-    | 116 | C6H12O2 | 003390-13-4 | 17   |



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ALS Vial : 22 Sample Multiplier: 1

Instrument :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

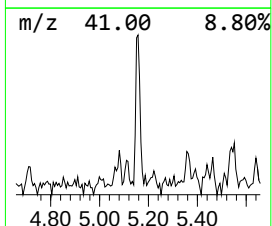
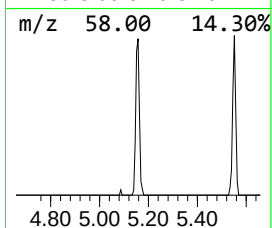
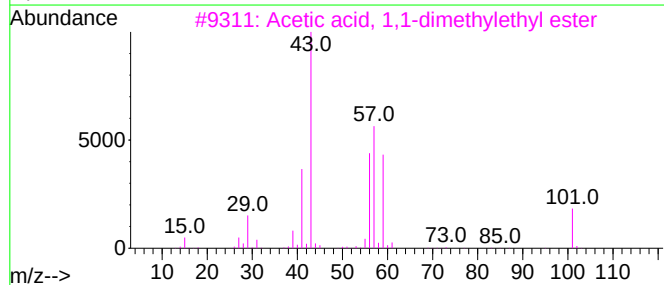
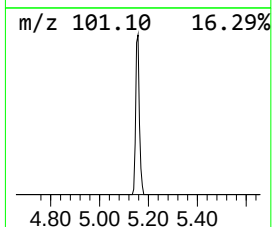
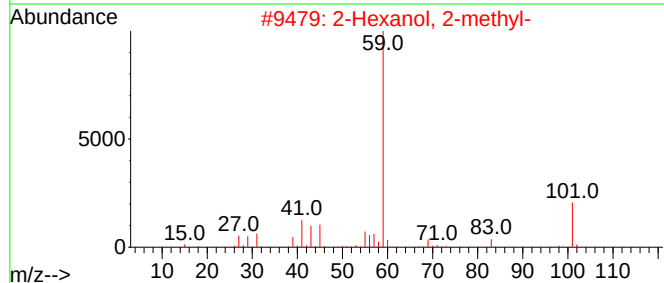
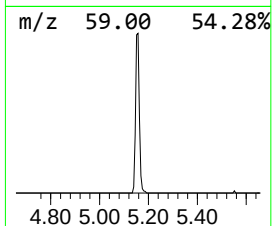
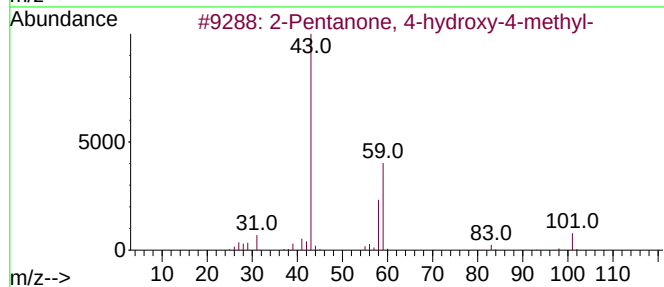
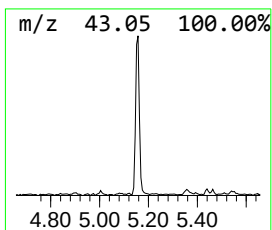
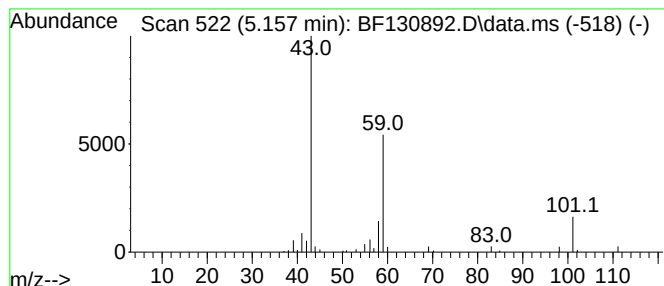
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 5.157 | 4.02 ng | 97756 | 1,4-Dichlorobenzene-d4 | 6.945 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 50   |
| 2    |    |   | 2-Hexanol, 2-methyl-                | 116 | C7H16O   | 000625-23-0 | 40   |
| 3    |    |   | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2  | 000540-88-5 | 39   |
| 4    |    |   | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O   | 017348-59-3 | 36   |
| 5    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25   |



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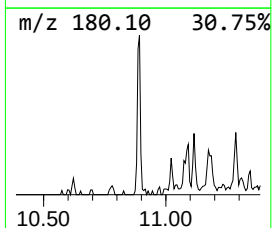
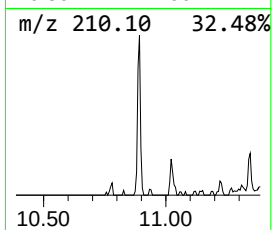
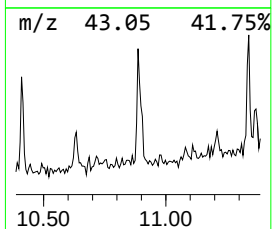
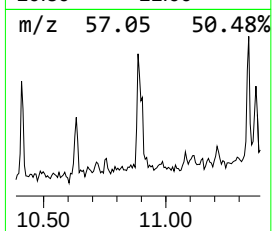
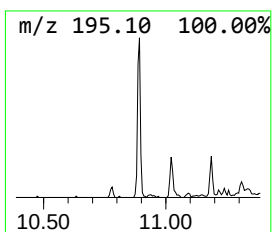
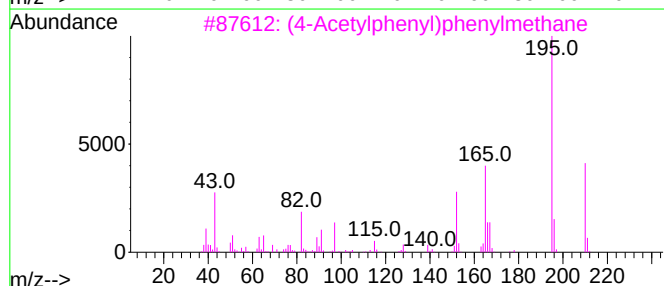
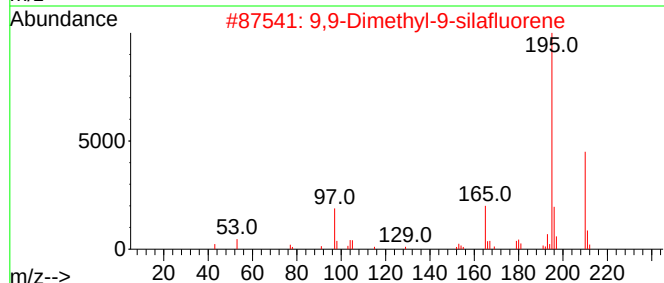
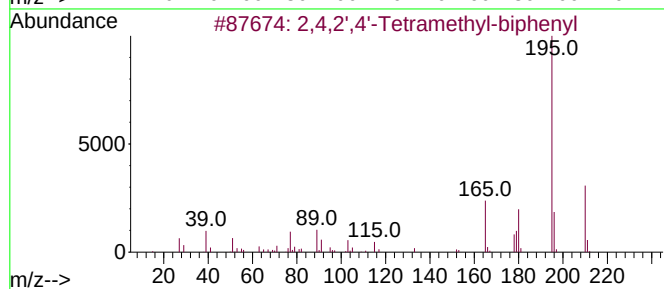
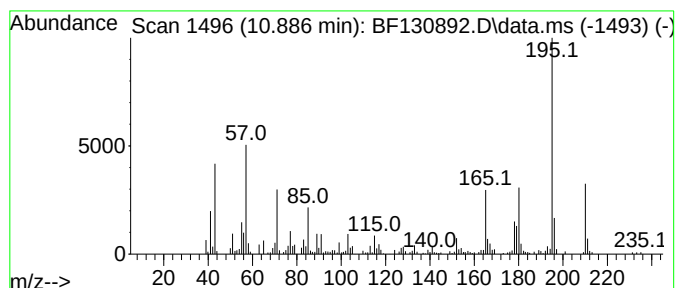
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 2,4,2',4'-Tetramethyl-biphenyl Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 10.886 | 4.92 ng | 149325 | Phenanthrene-d10 | 11.486 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 2,4,2',4'-Tetramethyl-biphenyl      | 210 | C16H18       | 1000486-97-7 | 93      |      |      |
| 2    | 9,9-Dimethyl-9-silafluorene         | 210 | C14H14Si     | 013688-68-1  | 83      |      |      |
| 3    | (4-Acetylphenyl)phenylmethane       | 210 | C15H14O      | 000782-92-3  | 58      |      |      |
| 4    | Benzoic acid, 4-hydroxy-, trimet... | 210 | C10H14O3Si   | 1000395-53-3 | 55      |      |      |
| 5    | Carbazole, 4,5-dimethyl-            | 195 | C14H13N      | 018992-66-0  | 53      |      |      |



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BNA\_F  
ClientSampleId :  
OK-2-102822

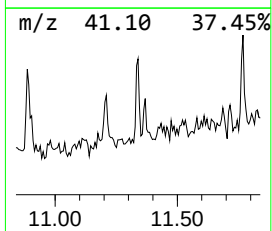
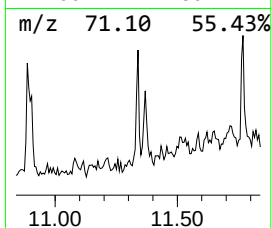
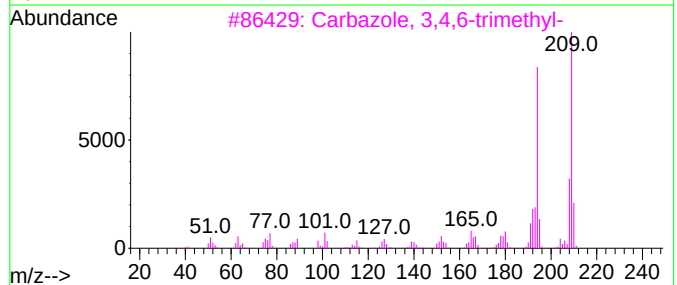
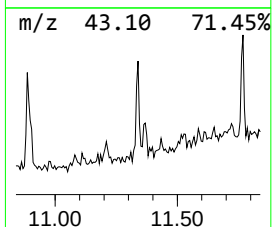
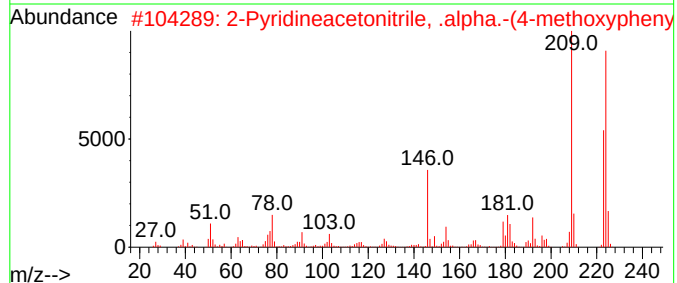
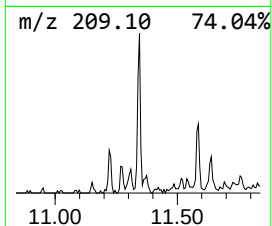
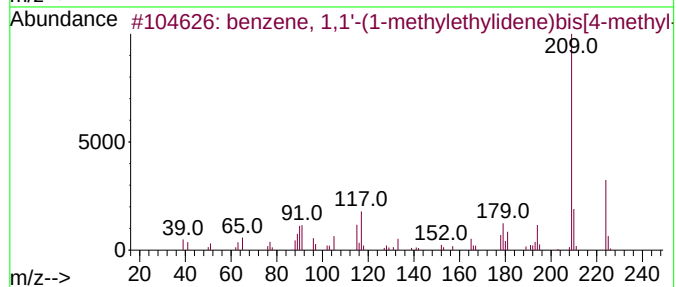
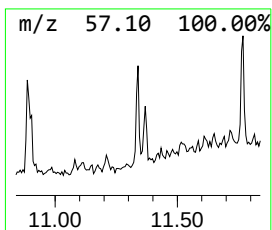
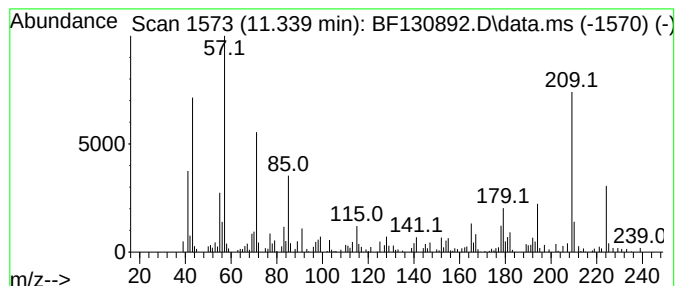
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown11.339 Concentration Rank 6

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.339 | 3.32 ng | 100738 | Phenanthrene-d10 | 11.486 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | benzene, 1,1'-(1-methylethyliden... | 224 | C17H20    | 1000400-89-0 | 46   |
| 2    |    |   | 2-Pyridineacetonitrile, .alpha.-... | 224 | C14H12N2O | 038236-51-0  | 46   |
| 3    |    |   | Carbazole, 3,4,6-trimethyl-         | 209 | C15H15N   | 078787-90-3  | 43   |
| 4    |    |   | 1,4,7-Trimethyl-2-azafluorene       | 209 | C15H15N   | 062736-78-1  | 38   |
| 5    |    |   | 1,5,6,7-Tetramethyl-3-phenylbicy... | 224 | C17H20    | 126584-00-7  | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF103122\  
Data File : BF130892.D  
Acq On : 31 Oct 2022 22:03  
Operator : CG\JU  
Sample : N5374-01 2X  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OK-2-102822

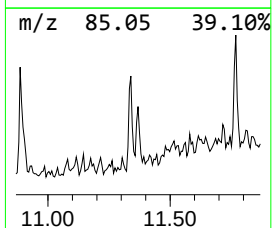
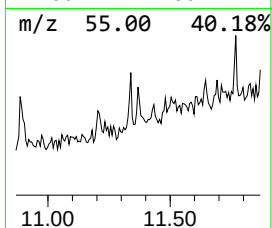
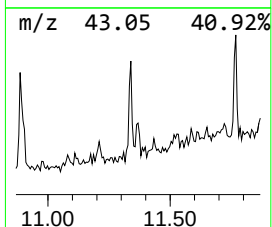
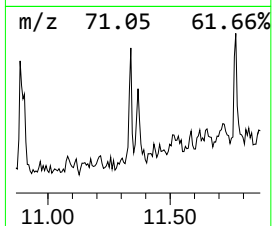
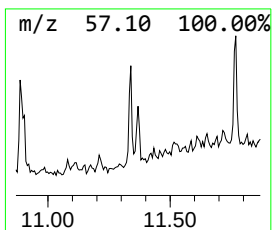
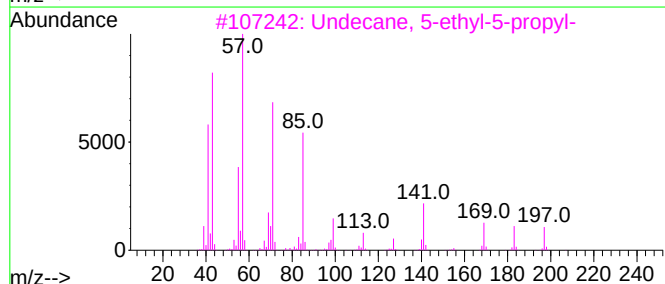
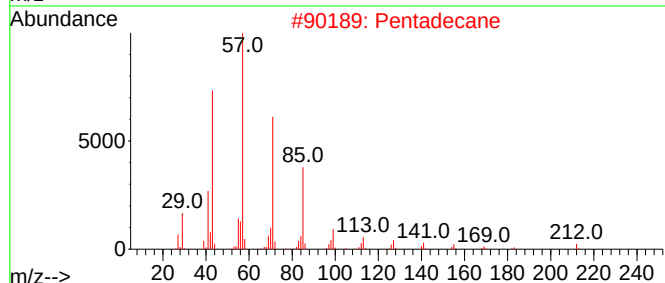
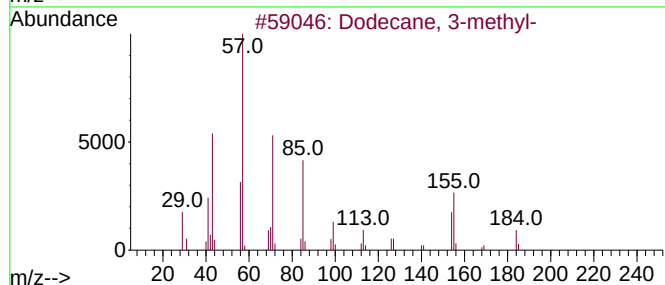
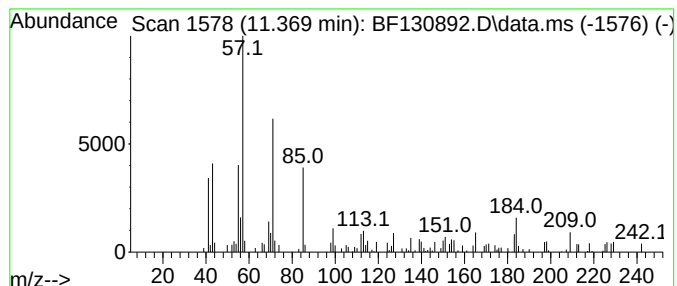
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 Dodecane, 3-methyl- Concentration Rank 11

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 11.369 | 2.06 ng | 62582 | Phenanthrene-d10 | 11.486 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Dodecane, 3-methyl-         | 184 | C13H28  | 017312-57-1 | 76   |
| 2    |    |   | Pentadecane                 | 212 | C15H32  | 000629-62-9 | 70   |
| 3    |    |   | Undecane, 5-ethyl-5-propyl- | 226 | C16H34  | 002755-07-9 | 59   |
| 4    |    |   | Dodecane                    | 170 | C12H26  | 000112-40-3 | 58   |
| 5    |    |   | Tetradecane                 | 198 | C14H30  | 000629-59-4 | 58   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF103122\  
Data File : BF130892.D  
Acq On : 31 Oct 2022 22:03  
Operator : CG\JU  
Sample : N5374-01 2X  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OK-2-102822

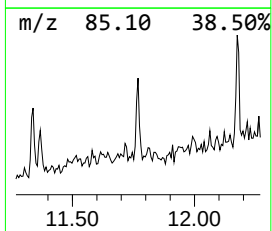
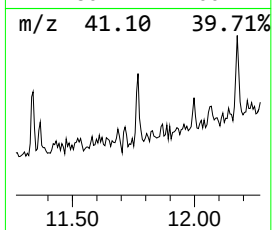
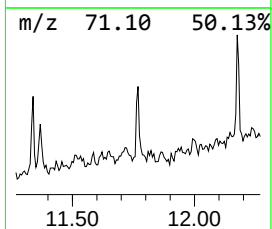
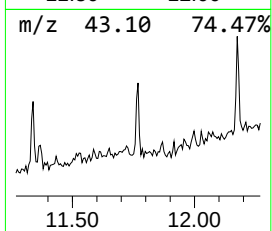
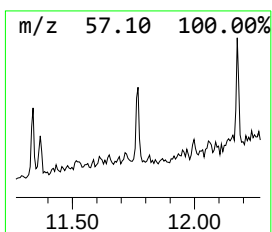
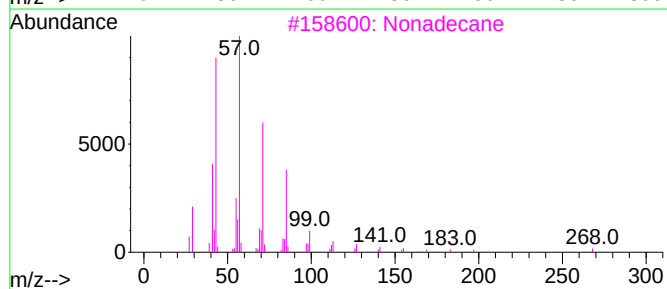
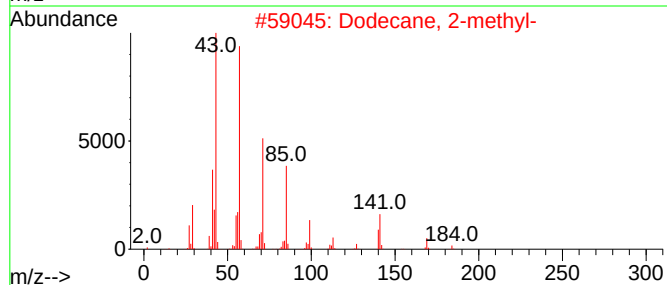
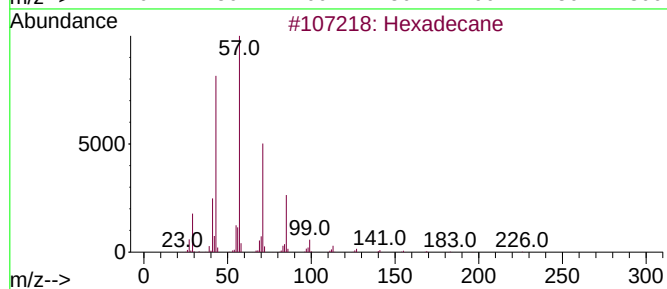
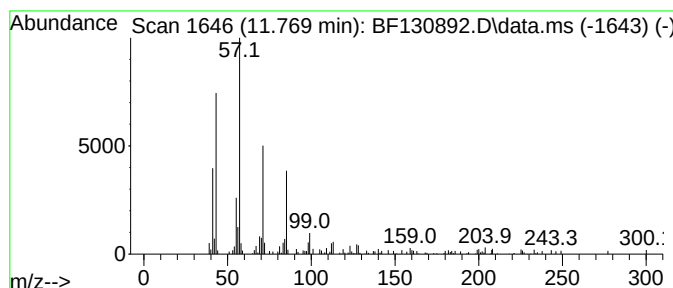
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 Hexadecane Concentration Rank 9

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 11.769 | 2.12 ng | 64304 | Phenanthrene-d10 | 11.486 |

| Hit# | of 5 | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|------|---------------------|-----|---------|-------------|------|
| 1    |      | Hexadecane          | 226 | C16H34  | 000544-76-3 | 95   |
| 2    |      | Dodecane, 2-methyl- | 184 | C13H28  | 001560-97-0 | 87   |
| 3    |      | Nonadecane          | 268 | C19H40  | 000629-92-5 | 83   |
| 4    |      | Dodecane, 1-iodo-   | 296 | C12H25I | 004292-19-7 | 80   |
| 5    |      | Tetradecane         | 198 | C14H30  | 000629-59-4 | 80   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF103122\  
Data File : BF130892.D  
Acq On : 31 Oct 2022 22:03  
Operator : CG\JU  
Sample : N5374-01 2X  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

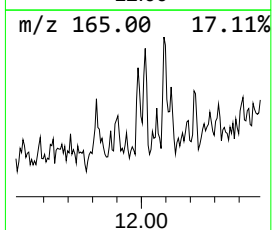
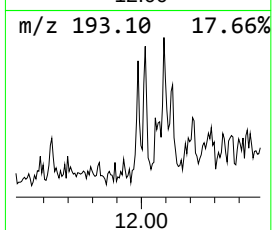
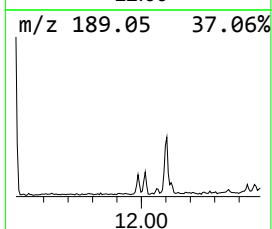
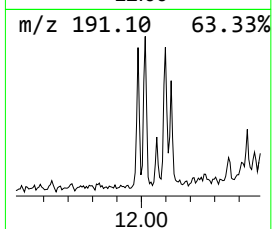
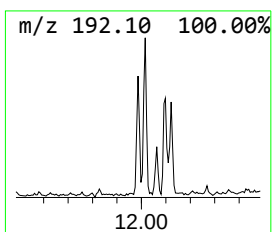
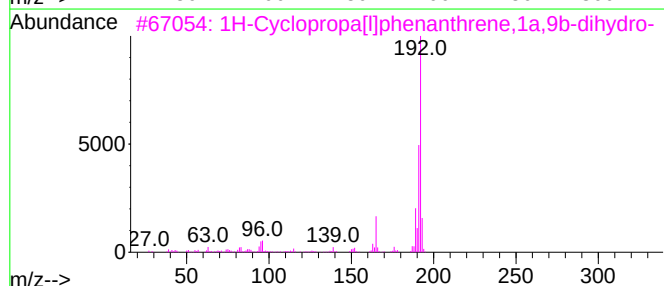
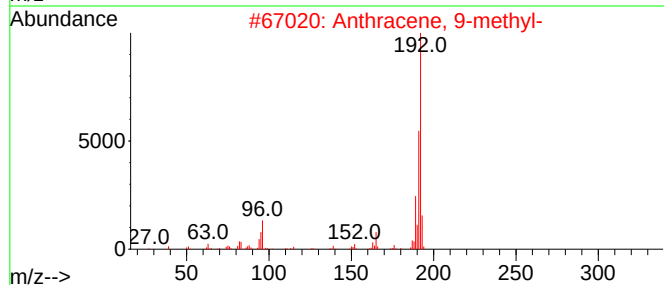
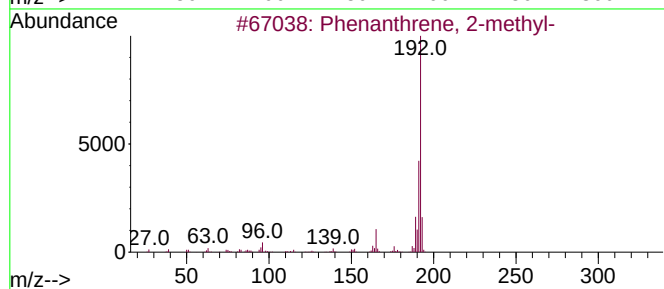
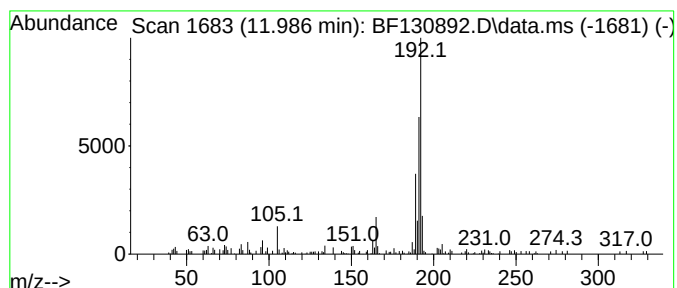
Instrument :  
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ClientSampleId :  
OK-2-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102722.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 7 Phenanthrene, 2-methyl- Concentration Rank 10

| R.T.      | EstConc                             | Area  | Relative to ISTD |         |             | R.T.   |
|-----------|-------------------------------------|-------|------------------|---------|-------------|--------|
| 11.986    | 2.06 ng                             | 62605 | Phenanthrene-d10 |         |             | 11.486 |
| Hit# of 5 | Tentative ID                        |       | MW               | MolForm | CAS#        | Qual   |
| 1         | Phenanthrene, 2-methyl-             |       | 192              | C15H12  | 002531-84-2 | 94     |
| 2         | Anthracene, 9-methyl-               |       | 192              | C15H12  | 000779-02-2 | 90     |
| 3         | 1H-Cyclopropa[1]phenanthrene,1a,... |       | 192              | C15H12  | 000949-41-7 | 90     |
| 4         | Anthracene, 2-methyl-               |       | 192              | C15H12  | 000613-12-7 | 90     |
| 5         | Phenanthrene, 1-methyl-             |       | 192              | C15H12  | 000832-69-9 | 90     |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF103122\  
Data File : BF130892.D  
Acq On : 31 Oct 2022 22:03  
Operator : CG\JU  
Sample : N5374-01 2X  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OK-2-102822

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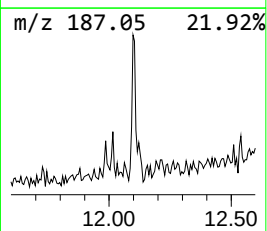
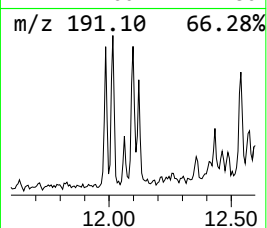
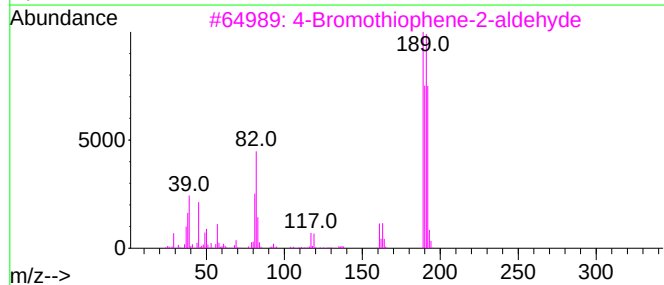
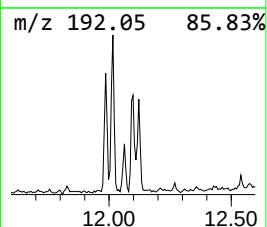
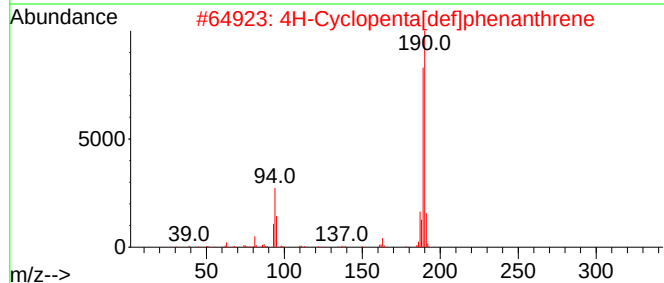
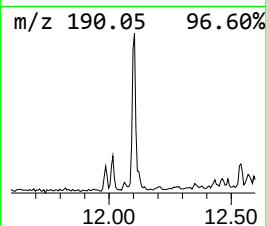
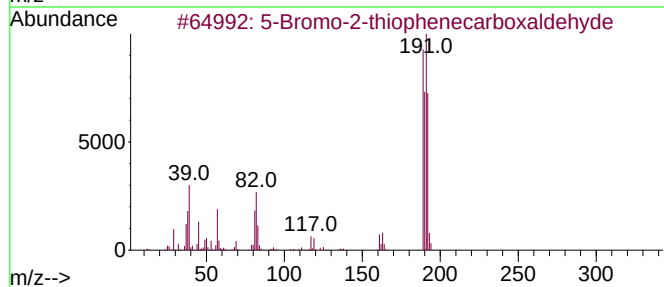
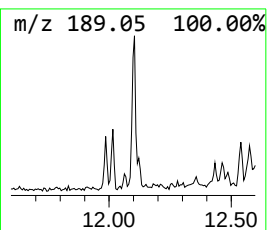
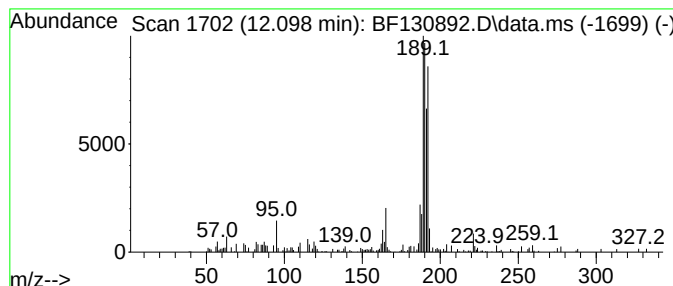
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 5-Bromo-2-thiophenecarboxal... Concentration Rank 7

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 12.098 | 2.64 ng | 80046 | Phenanthrene-d10 | 11.486 |

| Hit# | of 5 | Tentative ID                      | MW  | MolForm  | CAS#        | Qual |
|------|------|-----------------------------------|-----|----------|-------------|------|
| 1    |      | 5-Bromo-2-thiophenecarboxaldehyde | 190 | C5H3BrOS | 004701-17-1 | 58   |
| 2    |      | 4H-Cyclopenta[def]phenanthrene    | 190 | C15H10   | 000203-64-5 | 53   |
| 3    |      | 4-Bromothiophene-2-aldehyde       | 190 | C5H3BrOS | 018791-75-8 | 53   |
| 4    |      | 6H-Cyclobuta[jk]phenanthrene      | 190 | C15H10   | 083469-43-6 | 49   |
| 5    |      | 5H-Dibenzo[a,d]cycloheptene       | 192 | C15H12   | 000256-81-5 | 46   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF103122\  
Data File : BF130892.D  
Acq On : 31 Oct 2022 22:03  
Operator : CG\JU  
Sample : N5374-01 2X  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OK-2-102822

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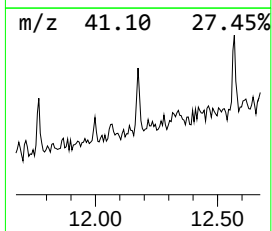
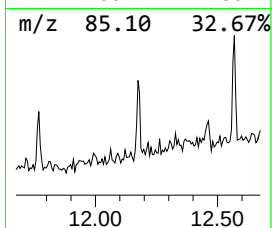
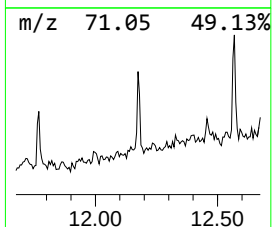
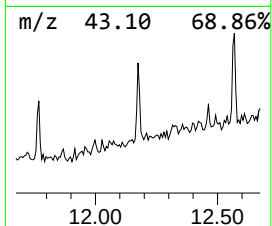
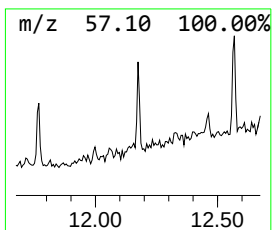
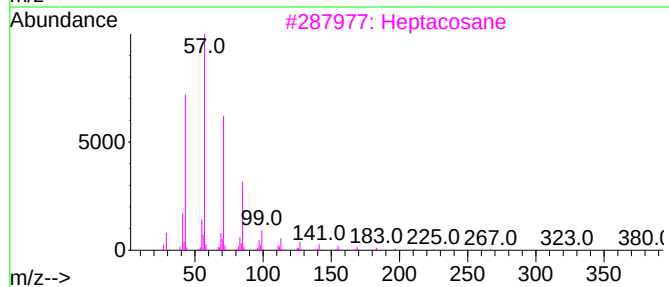
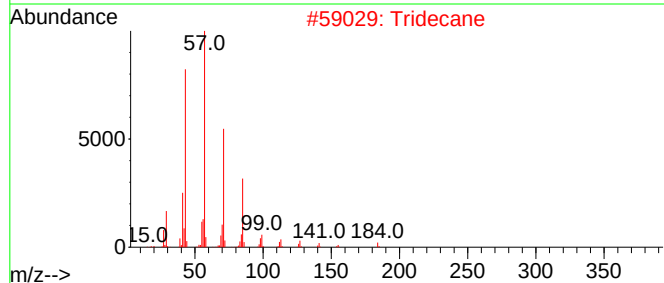
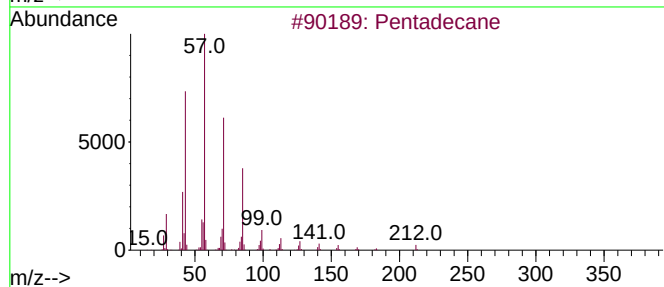
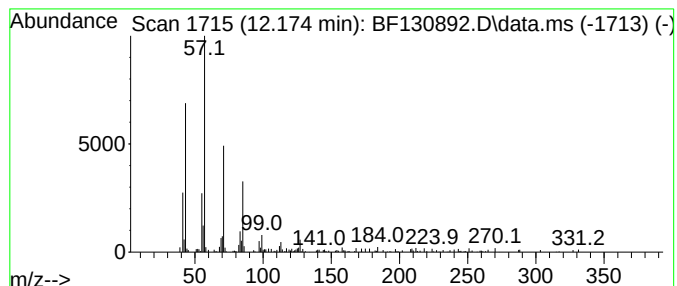
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 Pentadecane Concentration Rank 12

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 12.174 | 2.01 ng | 61060 | Phenanthrene-d10 | 11.486 |

| Hit# | of 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------|-----|---------|-------------|------|
| 1    |      | Pentadecane          | 212 | C15H32  | 000629-62-9 | 91   |
| 2    |      | Tridecane            | 184 | C13H28  | 000629-50-5 | 81   |
| 3    |      | Heptacosane          | 380 | C27H56  | 000593-49-7 | 72   |
| 4    |      | Eicosane             | 282 | C20H42  | 000112-95-8 | 72   |
| 5    |      | Tridecane, 2-methyl- | 198 | C14H30  | 001560-96-9 | 58   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF103122\  
Data File : BF130892.D  
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Operator : CG\JU  
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Misc :  
ALS Vial : 22 Sample Multiplier: 1

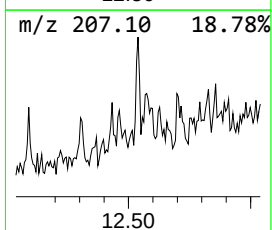
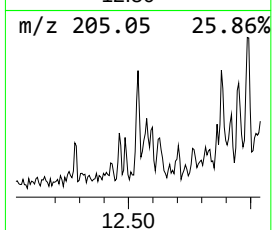
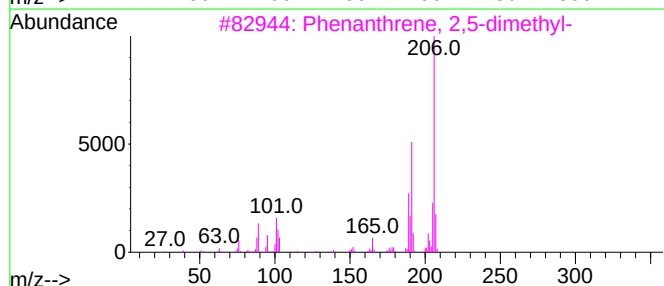
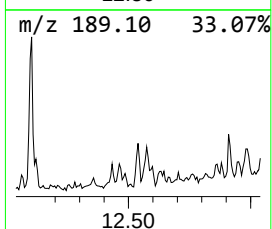
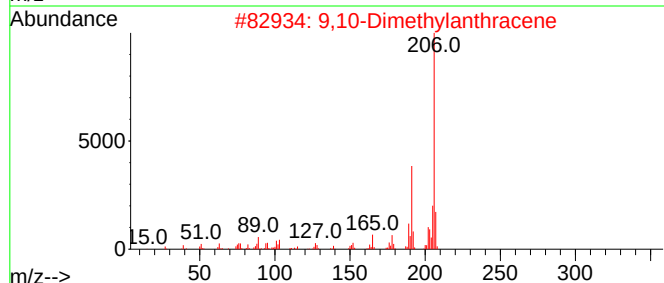
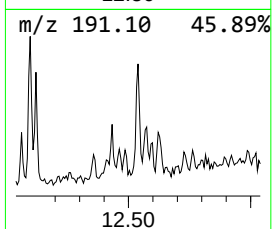
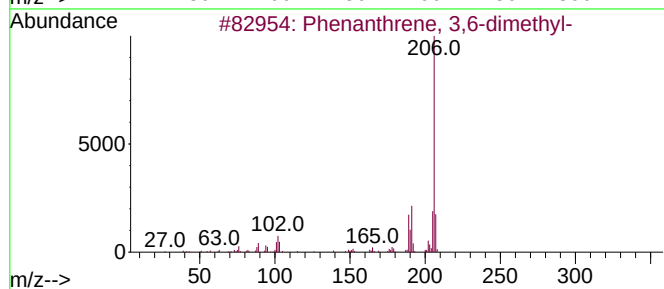
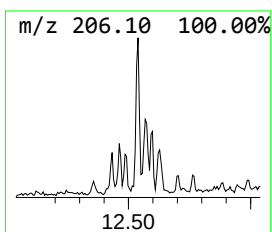
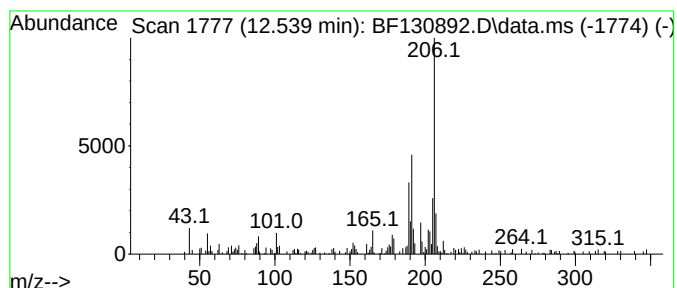
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BNA\_F  
ClientSampleId :  
OK-2-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102722.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 10 Phenanthrene, 3,6-dimethyl- Concentration Rank 8

| R.T.      | EstConc                     | Area  | Relative to ISTD |         | R.T.        |      |
|-----------|-----------------------------|-------|------------------|---------|-------------|------|
| 12.539    | 2.24 ng                     | 67853 | Phenanthrene-d10 |         | 11.486      |      |
| Hit# of 5 | Tentative ID                |       | MW               | MolForm | CAS#        | Qual |
| 1         | Phenanthrene, 3,6-dimethyl- |       | 206              | C16H14  | 001576-67-6 | 94   |
| 2         | 9,10-Dimethylanthracene     |       | 206              | C16H14  | 000781-43-1 | 93   |
| 3         | Phenanthrene, 2,5-dimethyl- |       | 206              | C16H14  | 003674-66-6 | 93   |
| 4         | Phenanthrene, 1,7-dimethyl- |       | 206              | C16H14  | 000483-87-4 | 93   |
| 5         | di-p-Tolylacetylene         |       | 206              | C16H14  | 002789-88-0 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF103122\  
Data File : BF130892.D  
Acq On : 31 Oct 2022 22:03  
Operator : CG\JU  
Sample : N5374-01 2X  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OK-2-102822

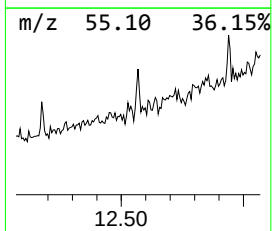
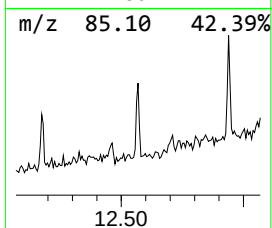
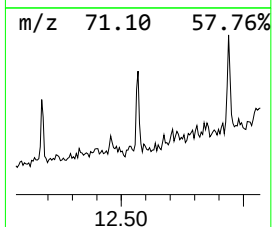
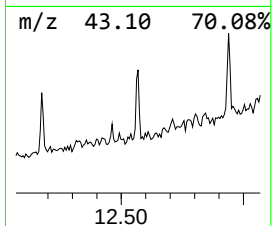
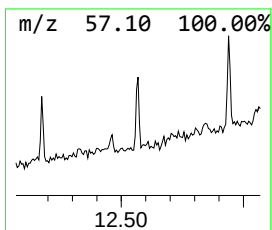
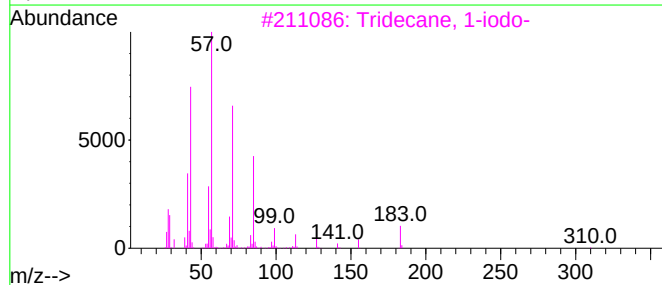
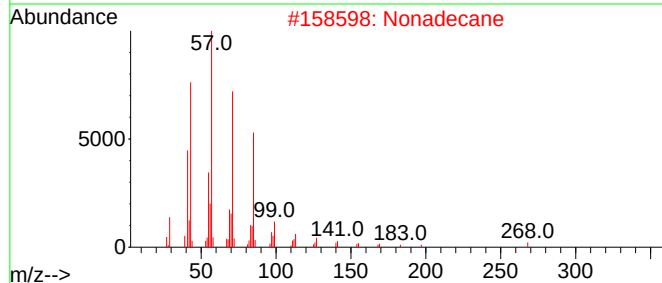
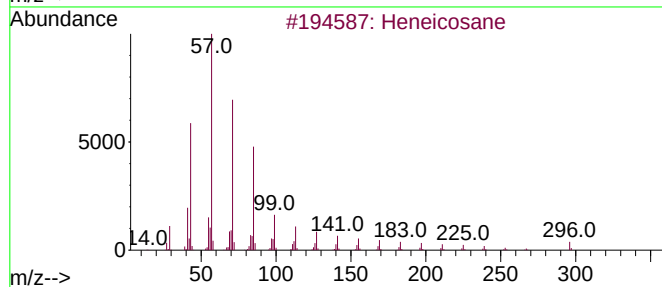
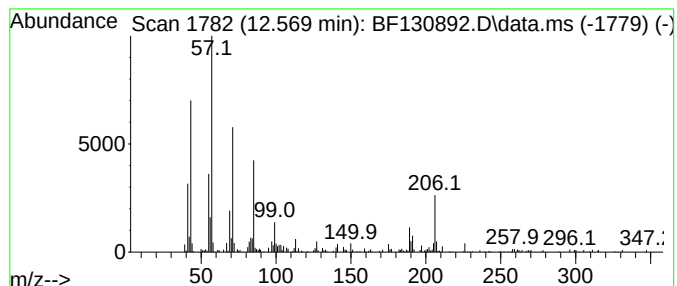
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 Heneicosane Concentration Rank 5

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.569 | 3.67 ng | 111344 | Phenanthrene-d10 | 11.486 |

| Hit# | of 5 | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|------|--------------------|-----|---------|-------------|------|
| 1    |      | Heneicosane        | 296 | C21H44  | 000629-94-7 | 76   |
| 2    |      | Nonadecane         | 268 | C19H40  | 000629-92-5 | 70   |
| 3    |      | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 62   |
| 4    |      | Heptacosane        | 380 | C27H56  | 000593-49-7 | 62   |
| 5    |      | Tetracosane        | 338 | C24H50  | 000646-31-1 | 58   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF103122\  
Data File : BF130892.D  
Acq On : 31 Oct 2022 22:03  
Operator : CG\JU  
Sample : N5374-01 2X  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OK-2-102822

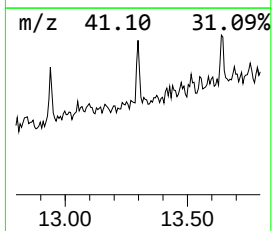
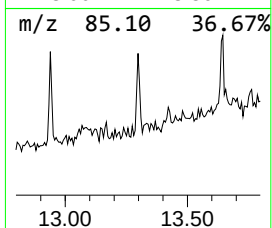
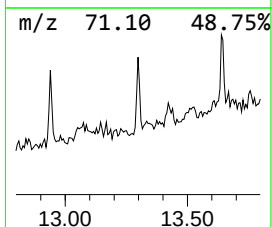
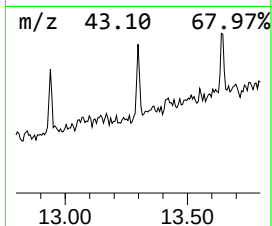
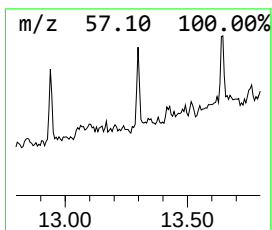
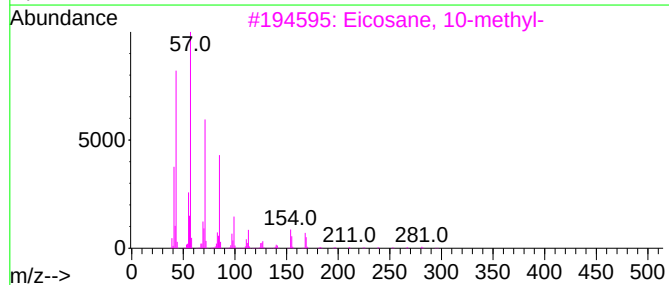
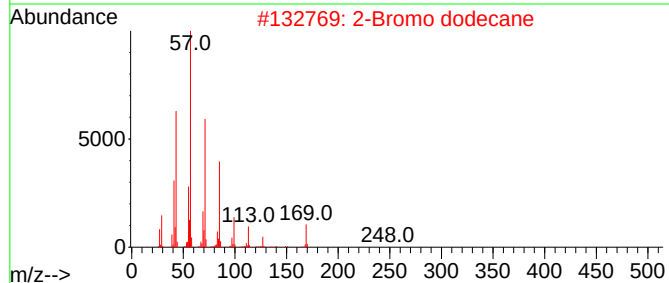
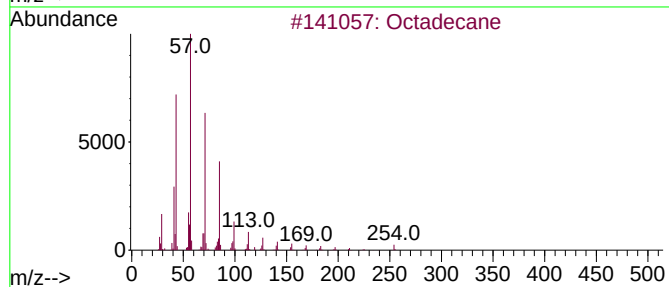
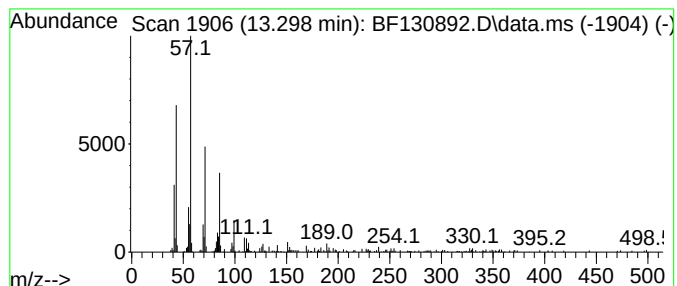
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 Octadecane Concentration Rank 2

| R.T.      | EstConc              | Area   | Relative to ISTD | R.T.        |      |
|-----------|----------------------|--------|------------------|-------------|------|
| 13.298    | 5.16 ng              | 105028 | Chrysene-d12     | 14.133      |      |
| Hit# of 5 | Tentative ID         | MW     | MolForm          | CAS#        | Qual |
| 1         | Octadecane           | 254    | C18H38           | 000593-45-3 | 91   |
| 2         | 2-Bromo dodecane     | 248    | C12H25Br         | 013187-99-0 | 87   |
| 3         | Eicosane, 10-methyl- | 296    | C21H44           | 054833-23-7 | 87   |
| 4         | Octacosane           | 394    | C28H58           | 000630-02-4 | 83   |
| 5         | Eicosane             | 282    | C20H42           | 000112-95-8 | 83   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF103122\  
Data File : BF130892.D  
Acq On : 31 Oct 2022 22:03  
Operator : CG\JU  
Sample : N5374-01 2X  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OK-2-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102722.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 |
| Butane, 2-metho... | 2.204  | 9.6     | ng    | 233970   | 1                     | 6.945  | 485986 | 20.0 |
| 2-Pentanone, 4-... | 5.157  | 4.0     | ng    | 97756    | 1                     | 6.945  | 485986 | 20.0 |
| 2,4,2',4'-Tetra... | 10.886 | 4.9     | ng    | 149325   | 4                     | 11.486 | 606842 | 20.0 |
| unknown11.339      | 11.339 | 3.3     | ng    | 100738   | 4                     | 11.486 | 606842 | 20.0 |
| Dodecane, 3-met... | 11.369 | 2.1     | ng    | 62582    | 4                     | 11.486 | 606842 | 20.0 |
| Hexadecane         | 11.769 | 2.1     | ng    | 64304    | 4                     | 11.486 | 606842 | 20.0 |
| Phenanthrene, 2... | 11.986 | 2.1     | ng    | 62605    | 4                     | 11.486 | 606842 | 20.0 |
| 5-Bromo-2-thiop... | 12.098 | 2.6     | ng    | 80046    | 4                     | 11.486 | 606842 | 20.0 |
| Pentadecane        | 12.174 | 2.0     | ng    | 61060    | 4                     | 11.486 | 606842 | 20.0 |
| Phenanthrene, 3... | 12.539 | 2.2     | ng    | 67853    | 4                     | 11.486 | 606842 | 20.0 |
| Heneicosane        | 12.569 | 3.7     | ng    | 111344   | 4                     | 11.486 | 606842 | 20.0 |
| Octadecane         | 13.298 | 5.2     | ng    | 105028   | 5                     | 14.133 | 406949 | 20.0 |