

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031124\  
 Data File : BF137567.D  
 Acq On : 11 Mar 2024 20:49  
 Operator : CG\JU  
 Sample : P1701-02  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RCA-2-COMP

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-BF022924.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF137567.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         | 2.257       | 22            | 29          | 41           | rVB      | 1412510        | 1943346       | 42.89%          | 5.086%        |
| 2         | 5.198       | 526           | 529         | 542          | rVB      | 33681          | 51211         | 1.13%           | 0.134%        |
| 3         | 5.569       | 588           | 592         | 621          | rBV      | 4570985        | 4507231       | 99.48%          | 11.797%       |
| 4         | 6.545       | 754           | 758         | 761          | rBV      | 4110882        | 4294022       | 94.77%          | 11.239%       |
| 5         | 6.904       | 815           | 819         | 831          | rBV      | 1460107        | 1364943       | 30.13%          | 3.572%        |
| 6         | 7.457       | 909           | 913         | 925          | rBV      | 2828957        | 2821306       | 62.27%          | 7.384%        |
| 7         | 8.169       | 1029          | 1034        | 1044         | rBV      | 1825048        | 1844756       | 40.72%          | 4.828%        |
| 8         | 8.598       | 1103          | 1107        | 1108         | rBV      | 58995          | 57024         | 1.26%           | 0.149%        |
| 9         | 8.769       | 1132          | 1136        | 1138         | rBV      | 102207         | 96147         | 2.12%           | 0.252%        |
| 10        | 9.198       | 1206          | 1209        | 1214         | rBV      | 106108         | 94766         | 2.09%           | 0.248%        |
| 11        | 9.251       | 1214          | 1218        | 1221         | rBV      | 5244831        | 4530841       | 100.00%         | 11.858%       |
| 12        | 9.333       | 1228          | 1232        | 1236         | rBV      | 217931         | 180335        | 3.98%           | 0.472%        |
| 13        | 9.522       | 1257          | 1264        | 1266         | rBV5     | 43723          | 72109         | 1.59%           | 0.189%        |
| 14        | 9.657       | 1281          | 1287        | 1289         | rBV2     | 125299         | 135542        | 2.99%           | 0.355%        |
| 15        | 9.710       | 1294          | 1296        | 1300         | rVB3     | 47738          | 52183         | 1.15%           | 0.137%        |
| 16        | 9.792       | 1307          | 1310        | 1315         | rBV3     | 46210          | 69465         | 1.53%           | 0.182%        |
| 17        | 9.869       | 1320          | 1323        | 1326         | rBV      | 207189         | 178072        | 3.93%           | 0.466%        |
| 18        | 9.927       | 1330          | 1333        | 1337         | rVV      | 1935717        | 1681582       | 37.11%          | 4.401%        |
| 19        | 9.963       | 1337          | 1339        | 1342         | rVB      | 59102          | 55471         | 1.22%           | 0.145%        |
| 20        | 10.033      | 1347          | 1351        | 1357         | rVB      | 140566         | 182390        | 4.03%           | 0.477%        |
| 21        | 10.192      | 1373          | 1378        | 1380         | rVB3     | 67293          | 78197         | 1.73%           | 0.205%        |
| 22        | 10.251      | 1385          | 1388        | 1395         | rBV4     | 49336          | 71421         | 1.58%           | 0.187%        |
| 23        | 10.369      | 1405          | 1408        | 1411         | rVB      | 236792         | 185574        | 4.10%           | 0.486%        |
| 24        | 10.480      | 1424          | 1427        | 1429         | rBV2     | 57893          | 62881         | 1.39%           | 0.165%        |
| 25        | 10.592      | 1440          | 1446        | 1452         | rBV2     | 158012         | 200651        | 4.43%           | 0.525%        |
| 26        | 10.645      | 1452          | 1455        | 1458         | rVB2     | 48704          | 67587         | 1.49%           | 0.177%        |
| 27        | 10.722      | 1464          | 1468        | 1473         | rBV      | 2059820        | 1913233       | 42.23%          | 5.007%        |
| 28        | 10.845      | 1486          | 1489        | 1498         | rVB2     | 263722         | 423421        | 9.35%           | 1.108%        |
| 29        | 11.298      | 1563          | 1566        | 1568         | rBV      | 186041         | 136276        | 3.01%           | 0.357%        |
| 30        | 11.327      | 1568          | 1571        | 1576         | rVB      | 171550         | 170622        | 3.77%           | 0.447%        |
| 31        | 11.427      | 1584          | 1588        | 1590         | rBV      | 1362007        | 1290272       | 28.48%          | 3.377%        |
| 32        | 11.451      | 1590          | 1592        | 1595         | rVV      | 365168         | 333939        | 7.37%           | 0.874%        |
| 33        | 11.504      | 1598          | 1601        | 1605         | rVB      | 79087          | 82976         | 1.83%           | 0.217%        |
| 34        | 11.674      | 1626          | 1630        | 1634         | rBV5     | 78839          | 137701        | 3.04%           | 0.360%        |
| 35        | 11.727      | 1637          | 1639        | 1642         | rVV      | 127526         | 106536        | 2.35%           | 0.279%        |
| 36        | 11.974      | 1676          | 1681        | 1686         | rBV3     | 163245         | 236064        | 5.21%           | 0.618%        |

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 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RCA-2-COMP

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-BF022924.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 12.045 | 1690 | 1693 | 1696 | rVV  | 69465   | 65873   | 1.45%  | 0.172% |
| 38 | 12.139 | 1707 | 1709 | 1712 | rBV  | 106339  | 84069   | 1.86%  | 0.220% |
| 39 | 12.221 | 1720 | 1723 | 1728 | rBV2 | 116246  | 118452  | 2.61%  | 0.310% |
| 40 | 12.486 | 1765 | 1768 | 1771 | rBV  | 75081   | 84981   | 1.88%  | 0.222% |
| 41 | 12.533 | 1773 | 1776 | 1780 | rVB3 | 108333  | 132956  | 2.93%  | 0.348% |
| 42 | 12.651 | 1792 | 1796 | 1800 | rBV  | 457360  | 459504  | 10.14% | 1.203% |
| 43 | 12.880 | 1829 | 1835 | 1838 | rBV  | 440797  | 500841  | 11.05% | 1.311% |
| 44 | 12.910 | 1838 | 1840 | 1842 | rVB2 | 85156   | 68413   | 1.51%  | 0.179% |
| 45 | 13.027 | 1856 | 1860 | 1864 | rBV  | 3401743 | 3319265 | 73.26% | 8.687% |
| 46 | 13.210 | 1889 | 1891 | 1894 | rVB  | 75988   | 79752   | 1.76%  | 0.209% |
| 47 | 13.268 | 1899 | 1901 | 1905 | rVB2 | 78029   | 93562   | 2.07%  | 0.245% |
| 48 | 13.315 | 1906 | 1909 | 1911 | rBV2 | 62542   | 67918   | 1.50%  | 0.178% |
| 49 | 13.615 | 1958 | 1960 | 1963 | rBV  | 51970   | 50950   | 1.12%  | 0.133% |
| 50 | 13.951 | 2014 | 2017 | 2024 | rVB2 | 215313  | 270564  | 5.97%  | 0.708% |
| 51 | 14.092 | 2036 | 2041 | 2044 | rBV2 | 1280929 | 1448593 | 31.97% | 3.791% |
| 52 | 14.115 | 2044 | 2045 | 2053 | rVB  | 237294  | 171207  | 3.78%  | 0.448% |
| 53 | 14.998 | 2192 | 2195 | 2198 | rVB  | 143706  | 153070  | 3.38%  | 0.401% |
| 54 | 15.180 | 2223 | 2226 | 2229 | rBV  | 121305  | 181805  | 4.01%  | 0.476% |
| 55 | 15.574 | 2290 | 2293 | 2299 | rBV  | 125460  | 207481  | 4.58%  | 0.543% |
| 56 | 15.645 | 2301 | 2305 | 2314 | rVB  | 661314  | 938344  | 20.71% | 2.456% |

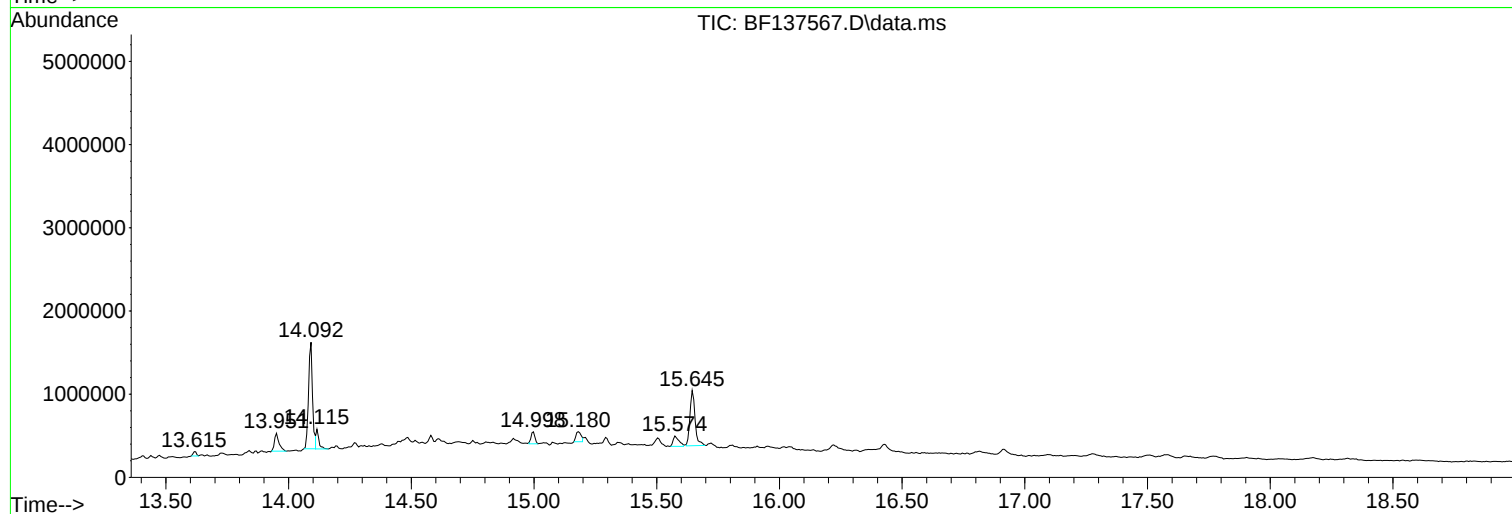
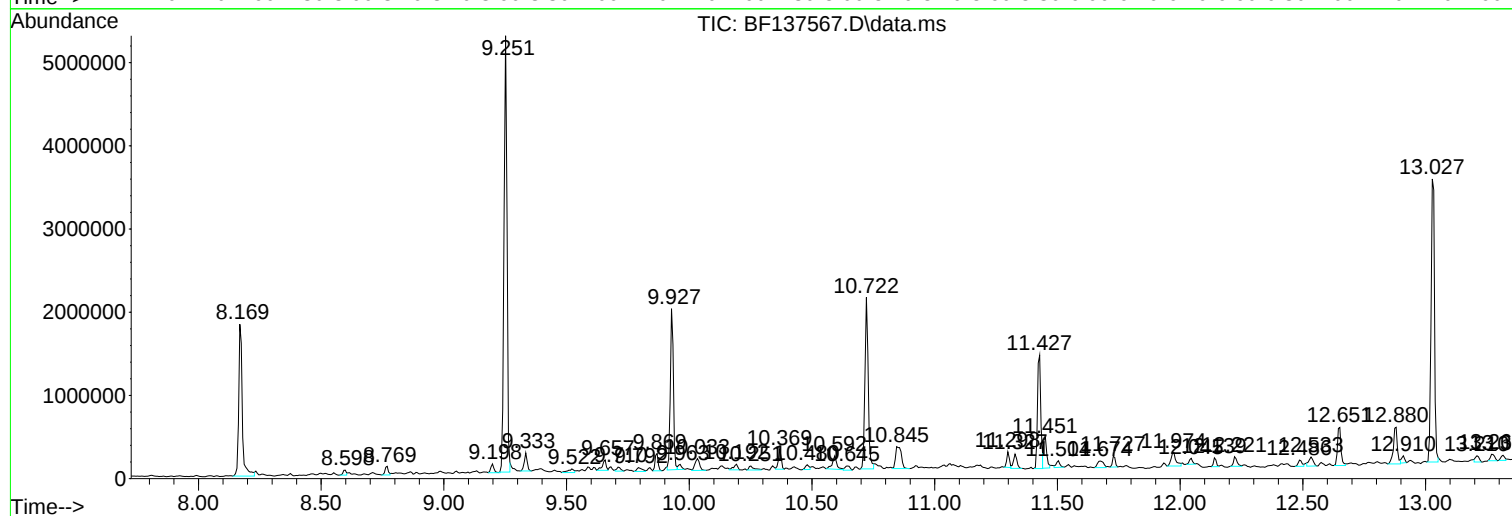
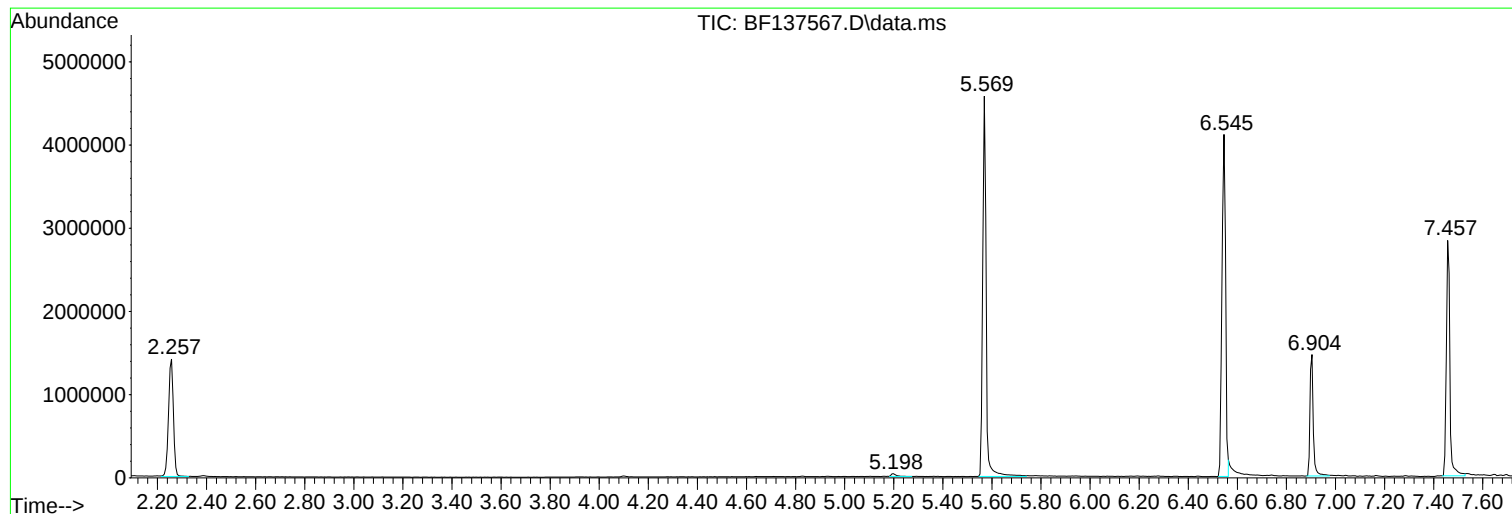
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Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RCA-2-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022924.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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Instrument :  
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ClientSampleId :  
RCA-2-COMP

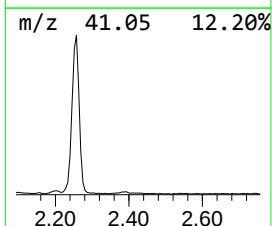
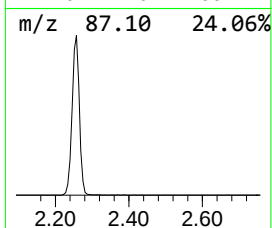
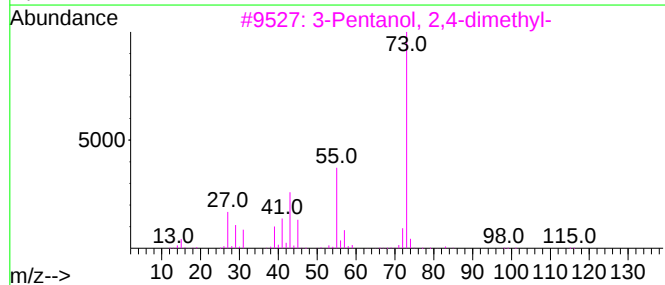
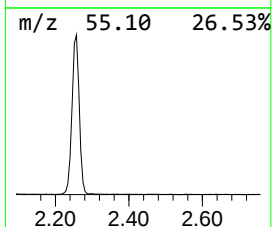
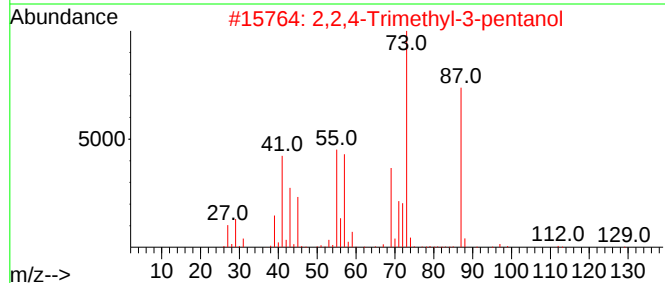
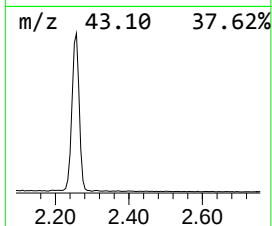
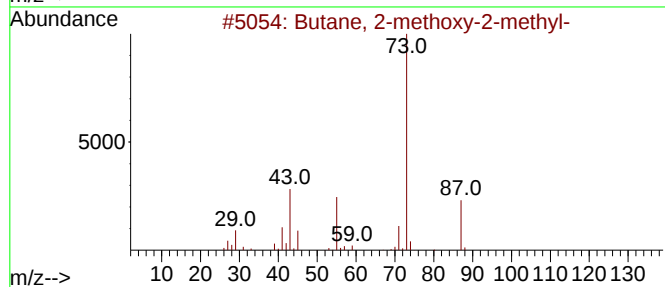
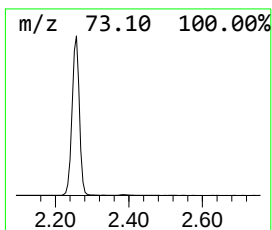
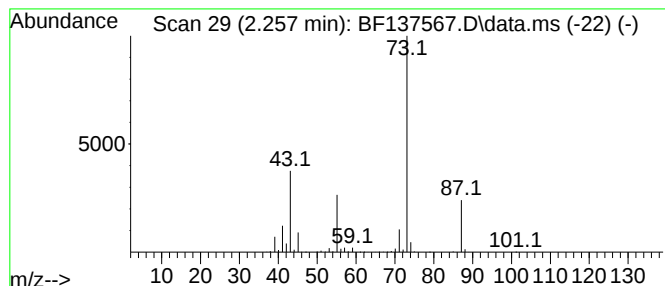
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.  |
|-------|----------|---------|------------------------|-------|
| 2.257 | 28.48 ng | 1943350 | 1,4-Dichlorobenzene-d4 | 6.904 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    |   | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 40   |
| 3    |    |   | 3-Pentanol, 2,4-dimethyl-   | 116 | C7H16O  | 000600-36-2 | 37   |
| 4    |    |   | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 37   |
| 5    |    |   | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 17   |



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Instrument :  
BNA\_F  
ClientSampleId :  
RCA-2-COMP

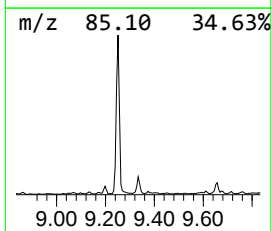
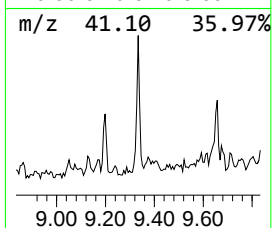
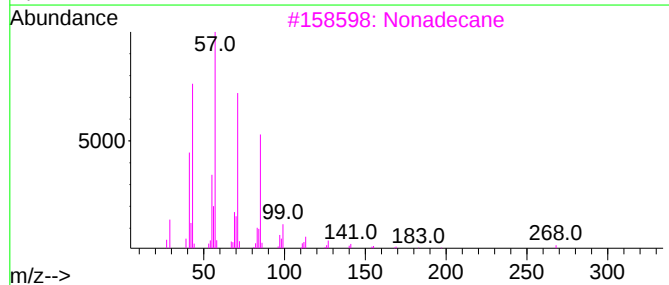
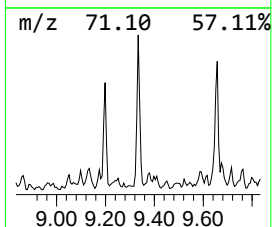
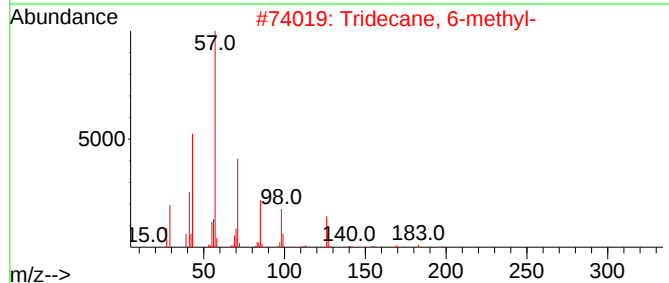
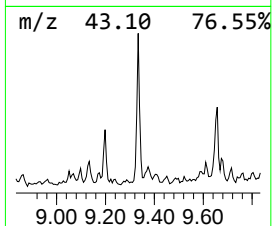
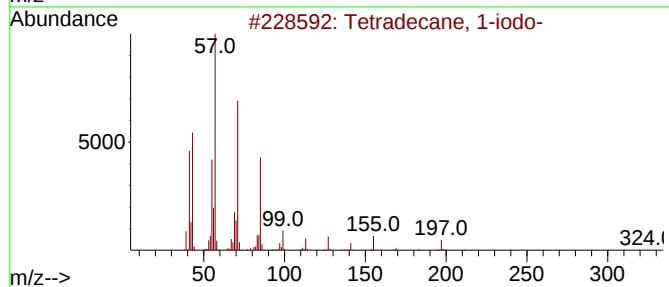
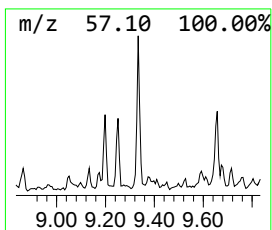
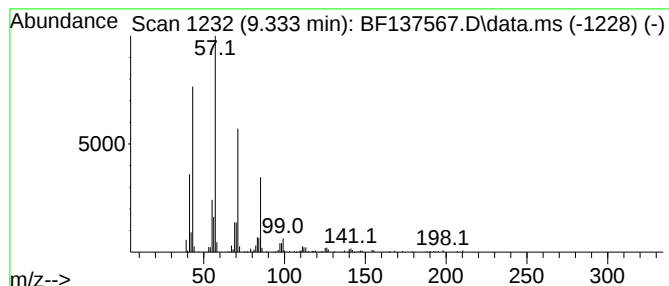
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Tetradecane, 1-iodo- Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 9.333 | 2.14 ng | 180335 | Acenaphthene-d10 | 9.927 |

| Hit# | of 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|------|--------------------------|-----|---------|-------------|------|
| 1    |      | Tetradecane, 1-iodo-     | 324 | C14H29I | 019218-94-1 | 90   |
| 2    |      | Tridecane, 6-methyl-     | 198 | C14H30  | 013287-21-3 | 87   |
| 3    |      | Nonadecane               | 268 | C19H40  | 000629-92-5 | 86   |
| 4    |      | Decane, 2,3,5-trimethyl- | 184 | C13H28  | 062238-11-3 | 86   |
| 5    |      | 9-methylheptadecane      | 254 | C18H38  | 026741-18-4 | 83   |



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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

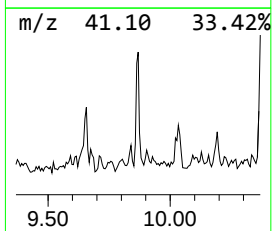
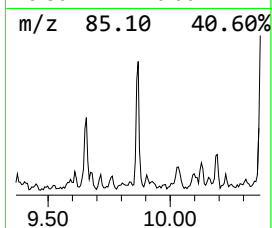
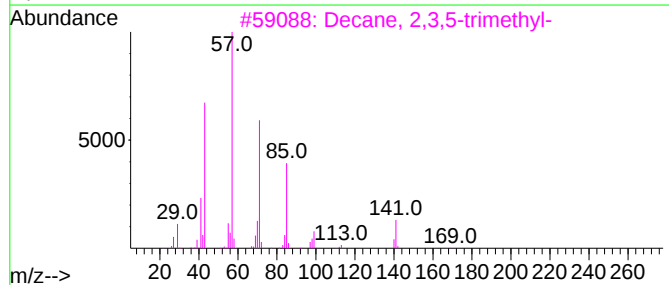
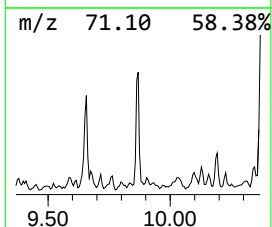
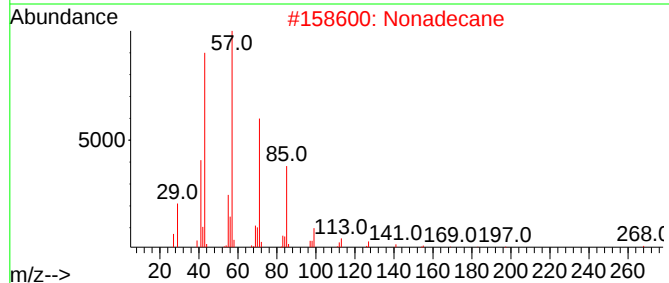
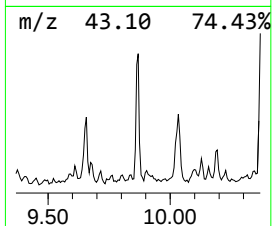
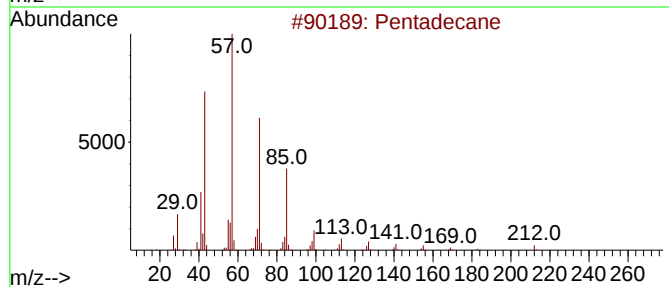
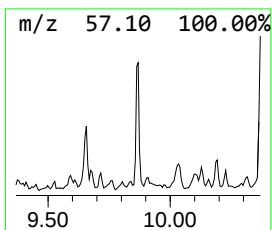
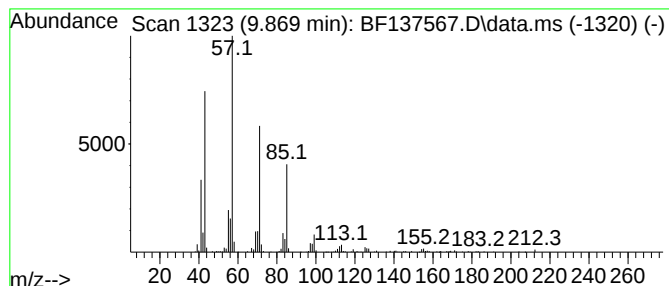
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Pentadecane Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 9.869 | 2.12 ng | 178072 | Acenaphthene-d10 | 9.927 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | Pentadecane              | 212 | C15H32  | 000629-62-9 | 91   |
| 2    |    |   | Nonadecane               | 268 | C19H40  | 000629-92-5 | 91   |
| 3    |    |   | Decane, 2,3,5-trimethyl- | 184 | C13H28  | 062238-11-3 | 90   |
| 4    |    |   | Decane, 3-methyl-        | 156 | C11H24  | 013151-34-3 | 87   |
| 5    |    |   | Tridecane                | 184 | C13H28  | 000629-50-5 | 86   |



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RCA-2-COMP

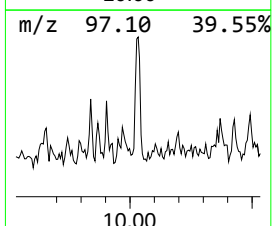
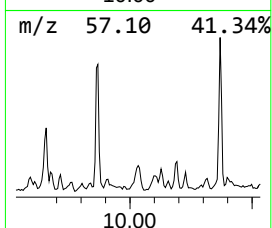
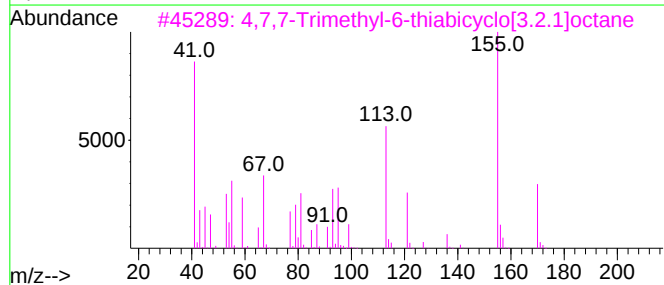
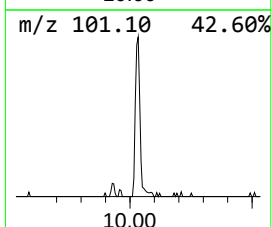
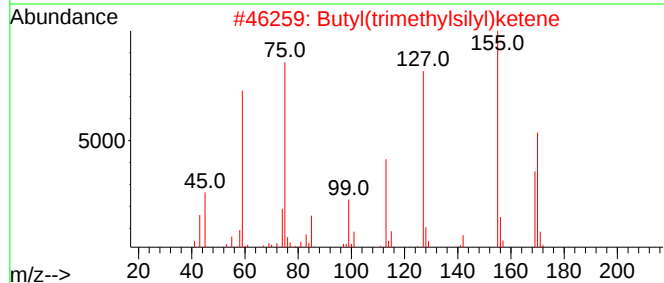
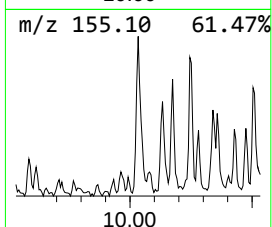
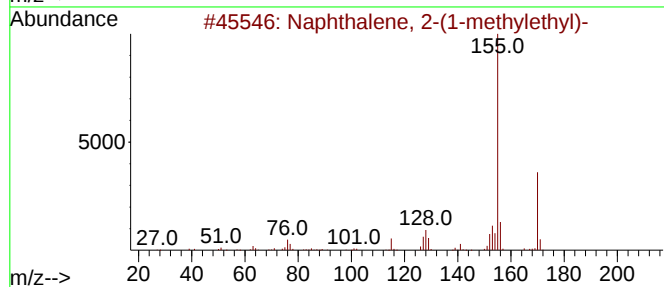
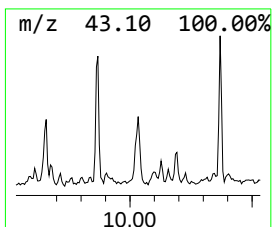
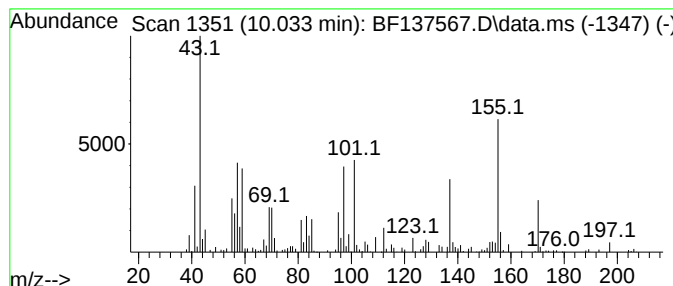
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 unknown10.033 Concentration Rank 9

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.  |
|--------|---------|--------|------------------|-------|
| 10.033 | 2.17 ng | 182390 | Acenaphthene-d10 | 9.927 |

| Hit# | of | 5 | Tentative ID                               | MW  | MolForm  | CAS#         | Qual |
|------|----|---|--------------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Naphthalene, 2-(1-methylethyl)-            | 170 | C13H14   | 002027-17-0  | 35   |
| 2    |    |   | Butyl(trimethylsilyl)ketene                | 170 | C9H18OSi | 1000424-73-8 | 30   |
| 3    |    |   | 4,7,7-Trimethyl-6-thiabicyclo[3.2.1]octane | 170 | C10H18S  | 1000306-33-5 | 25   |
| 4    |    |   | 4a,8a-Methanonaphthalene, 9,9-di...        | 170 | C13H14   | 038963-97-2  | 14   |
| 5    |    |   | Acetic acid, 1,1-dimethylethyl e...        | 116 | C6H12O2  | 000540-88-5  | 14   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031124\  
Data File : BF137567.D  
Acq On : 11 Mar 2024 20:49  
Operator : CG\JU  
Sample : P1701-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RCA-2-COMP

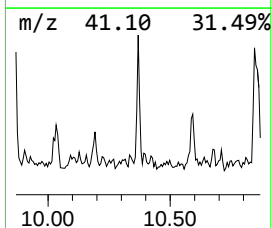
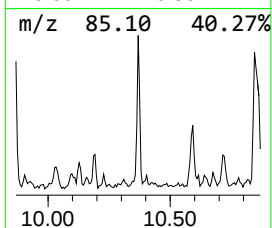
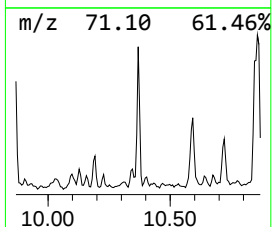
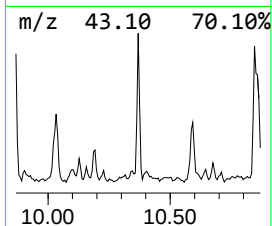
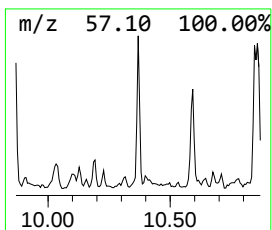
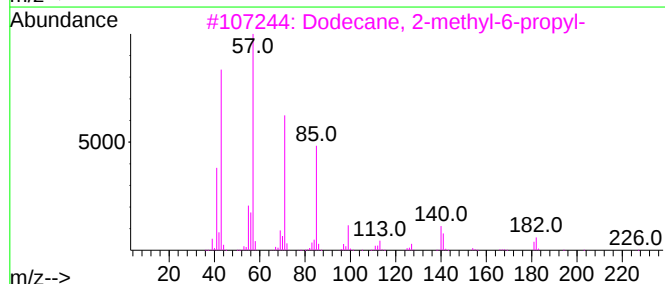
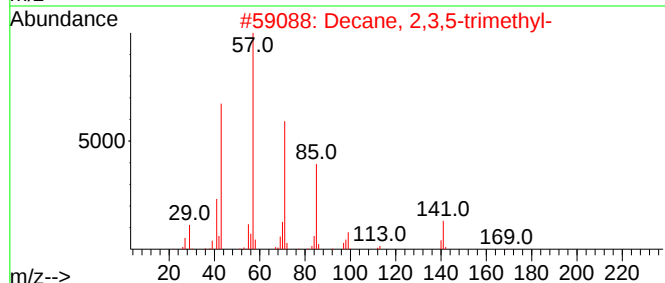
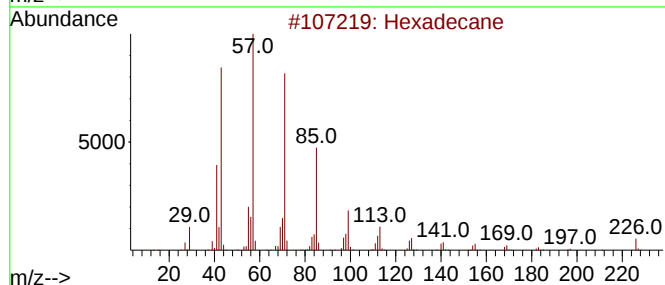
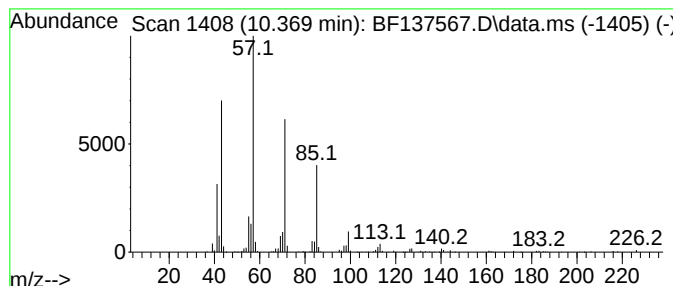
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 Hexadecane Concentration Rank 8

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.  |
|--------|---------|--------|------------------|-------|
| 10.369 | 2.21 ng | 185574 | Acenaphthene-d10 | 9.927 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Hexadecane                   | 226 | C16H34  | 000544-76-3 | 94   |
| 2    |    |   | Decane, 2,3,5-trimethyl-     | 184 | C13H28  | 062238-11-3 | 78   |
| 3    |    |   | Dodecane, 2-methyl-6-propyl- | 226 | C16H34  | 055045-08-4 | 78   |
| 4    |    |   | Nonane, 5-butyl-             | 184 | C13H28  | 017312-63-9 | 72   |
| 5    |    |   | Pentadecane, 7-methyl-       | 226 | C16H34  | 006165-40-8 | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031124\  
Data File : BF137567.D  
Acq On : 11 Mar 2024 20:49  
Operator : CG\JU  
Sample : P1701-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RCA-2-COMP

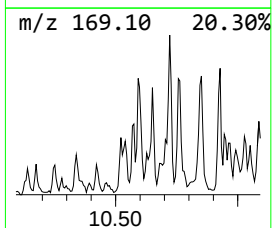
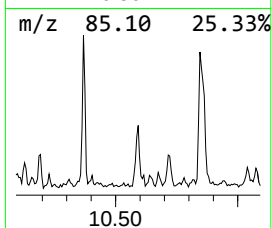
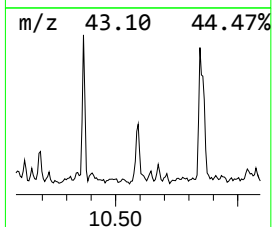
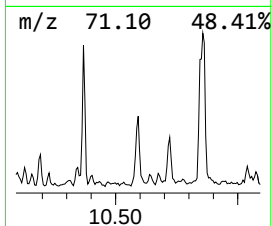
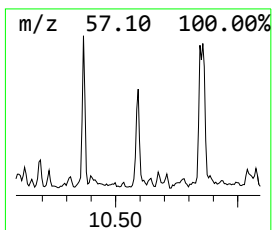
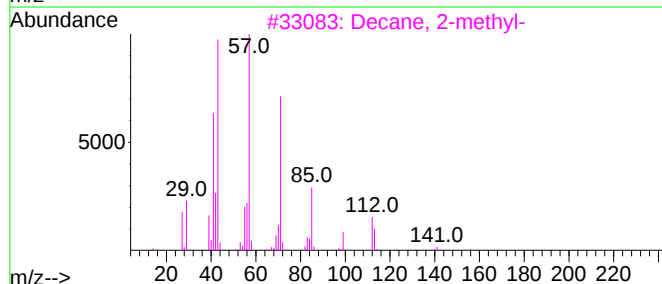
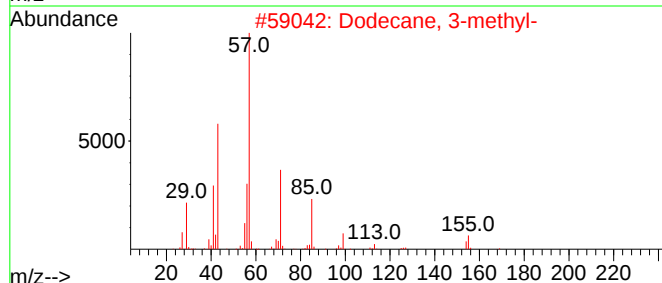
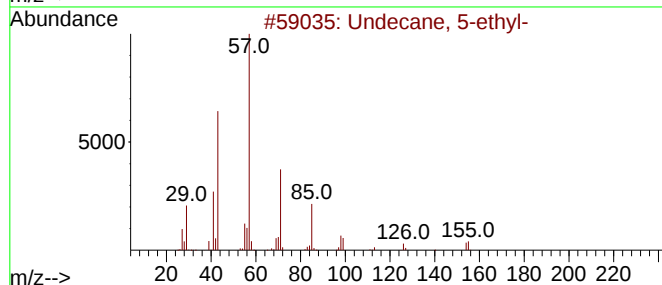
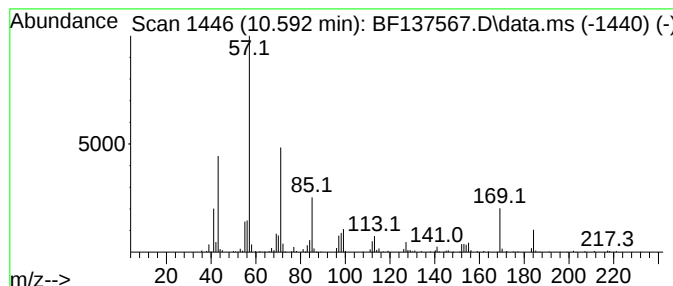
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 Undecane, 5-ethyl- Concentration Rank 7

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.  |
|--------|---------|--------|------------------|-------|
| 10.592 | 2.39 ng | 200651 | Acenaphthene-d10 | 9.927 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Undecane, 5-ethyl-   | 184 | C13H28  | 017453-94-0 | 53   |
| 2    |    |   | Dodecane, 3-methyl-  | 184 | C13H28  | 017312-57-1 | 50   |
| 3    |    |   | Decane, 2-methyl-    | 156 | C11H24  | 006975-98-0 | 49   |
| 4    |    |   | Tetradecane, 1-iodo- | 324 | C14H29I | 019218-94-1 | 49   |
| 5    |    |   | Octacosane           | 394 | C28H58  | 000630-02-4 | 49   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031124\  
Data File : BF137567.D  
Acq On : 11 Mar 2024 20:49  
Operator : CG\JU  
Sample : P1701-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RCA-2-COMP

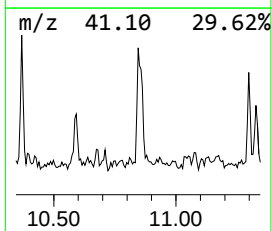
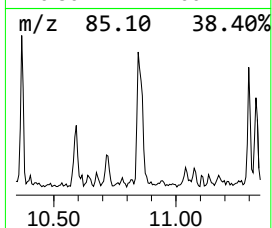
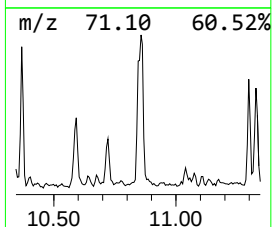
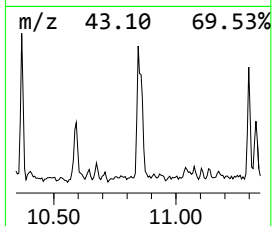
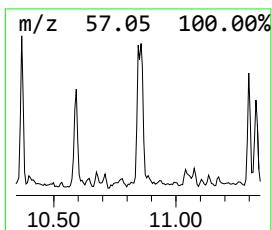
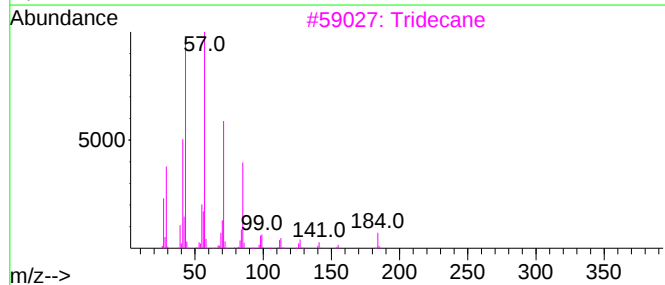
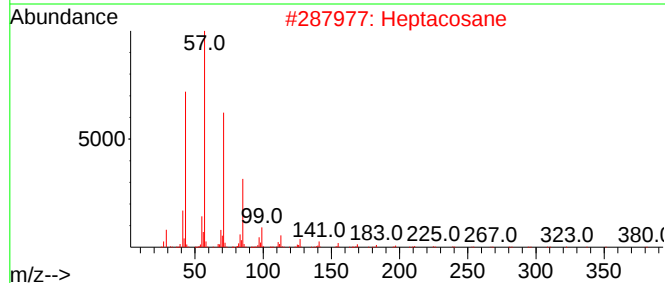
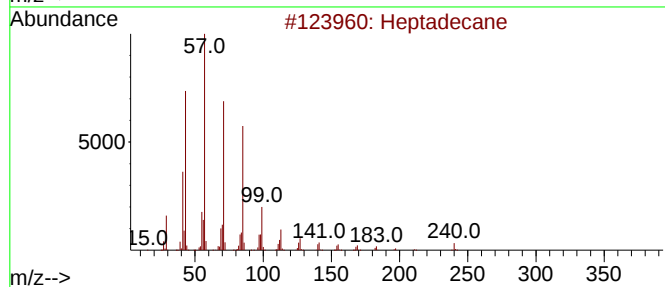
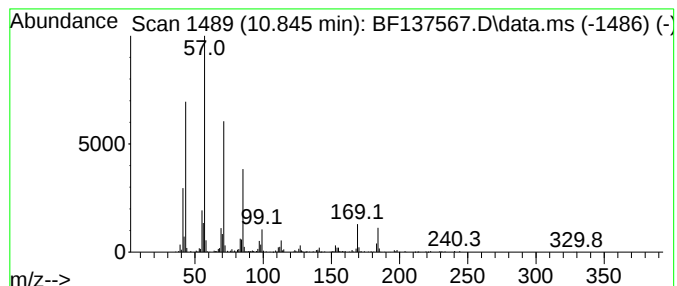
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 Heptadecane Concentration Rank 2

| R.T.      | EstConc      | Area   | Relative to ISTD | R.T.        |      |
|-----------|--------------|--------|------------------|-------------|------|
| 10.845    | 6.56 ng      | 423421 | Phenanthrene-d10 | 11.427      |      |
| Hit# of 5 | Tentative ID | MW     | MolForm          | CAS#        | Qual |
| 1         | Heptadecane  | 240    | C17H36           | 000629-78-7 | 95   |
| 2         | Heptacosane  | 380    | C27H56           | 000593-49-7 | 83   |
| 3         | Tridecane    | 184    | C13H28           | 000629-50-5 | 80   |
| 4         | Nonadecane   | 268    | C19H40           | 000629-92-5 | 74   |
| 5         | Pentadecane  | 212    | C15H32           | 000629-62-9 | 74   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031124\  
Data File : BF137567.D  
Acq On : 11 Mar 2024 20:49  
Operator : CG\JU  
Sample : P1701-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RCA-2-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

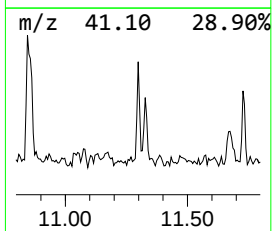
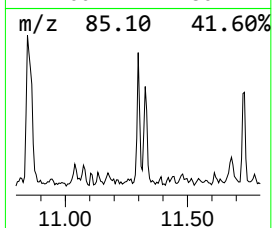
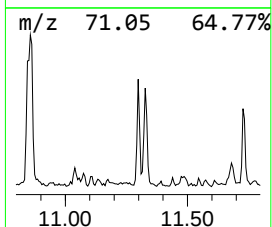
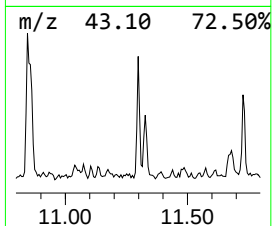
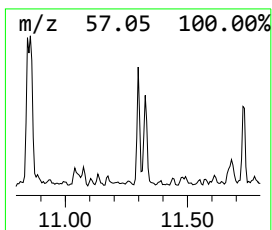
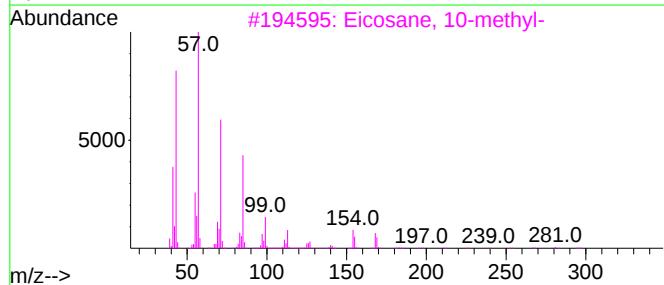
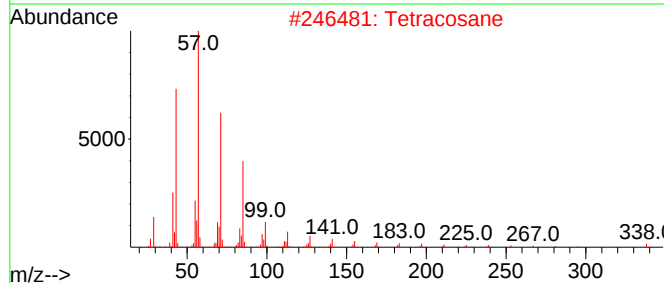
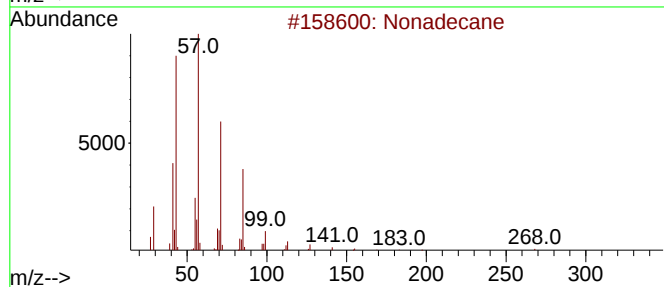
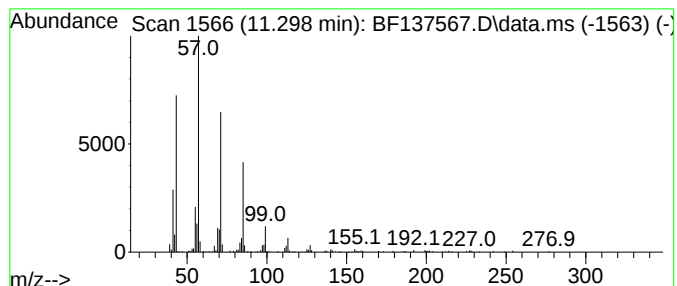
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 Nonadecane Concentration Rank 13

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.298 | 2.11 ng | 136276 | Phenanthrene-d10 | 11.427 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Nonadecane           | 268 | C19H40  | 000629-92-5 | 91   |
| 2    |    |   | Tetracosane          | 338 | C24H50  | 000646-31-1 | 90   |
| 3    |    |   | Eicosane, 10-methyl- | 296 | C21H44  | 054833-23-7 | 90   |
| 4    |    |   | Tridecane, 1-iodo-   | 310 | C13H27I | 035599-77-0 | 86   |
| 5    |    |   | Hexadecane           | 226 | C16H34  | 000544-76-3 | 80   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031124\  
Data File : BF137567.D  
Acq On : 11 Mar 2024 20:49  
Operator : CG\JU  
Sample : P1701-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

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BNA\_F  
ClientSampleId :  
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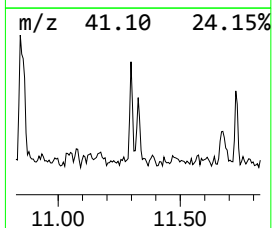
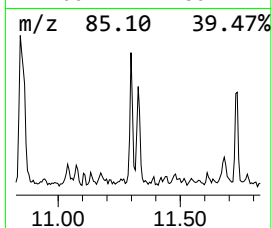
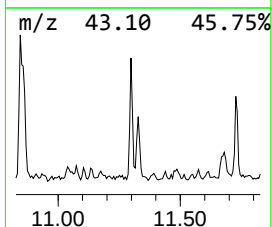
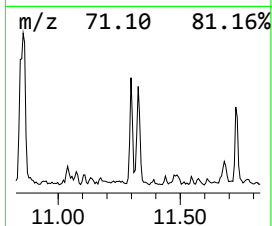
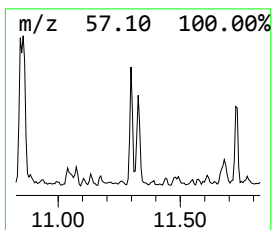
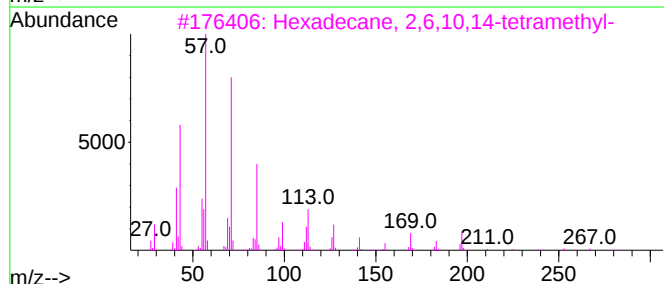
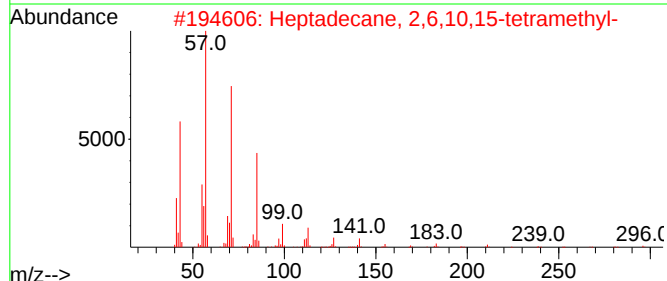
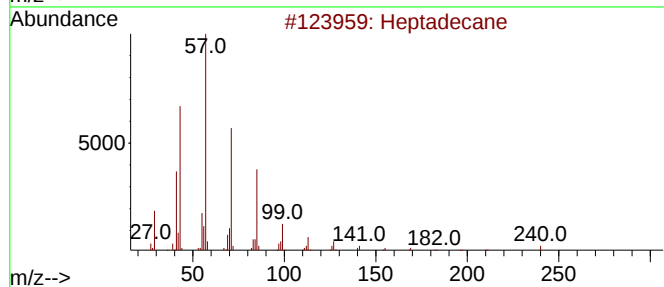
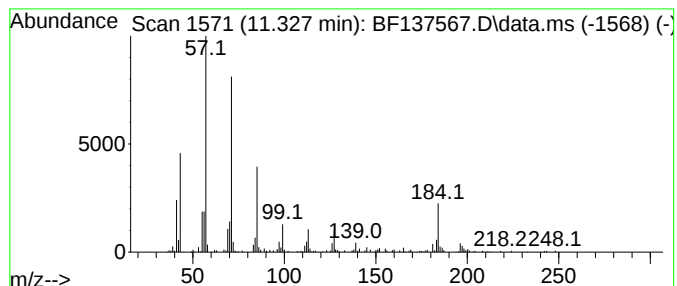
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 Heptadecane, 2,6,10,15-tetr... Concentration Rank 6

| R.T.      | EstConc                             | Area   | Relative to ISTD |         | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|---------|-------------|------|
| 11.327    | 2.64 ng                             | 170622 | Phenanthrene-d10 |         | 11.427      |      |
| Hit# of 5 | Tentative ID                        |        | MW               | MolForm | CAS#        | Qual |
| 1         | Heptadecane                         |        | 240              | C17H36  | 000629-78-7 | 72   |
| 2         | Heptadecane, 2,6,10,15-tetramethyl- |        | 296              | C21H44  | 054833-48-6 | 72   |
| 3         | Hexadecane, 2,6,10,14-tetramethyl-  |        | 282              | C20H42  | 000638-36-8 | 72   |
| 4         | Hexadecane                          |        | 226              | C16H34  | 000544-76-3 | 72   |
| 5         | Hexadecane, 7-methyl-               |        | 240              | C17H36  | 026730-20-1 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031124\  
Data File : BF137567.D  
Acq On : 11 Mar 2024 20:49  
Operator : CG\JU  
Sample : P1701-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RCA-2-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022924.M  
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TIC Integration Parameters: LSCINT.P

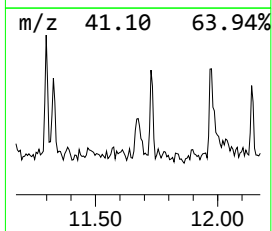
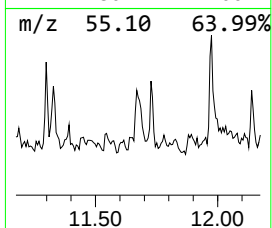
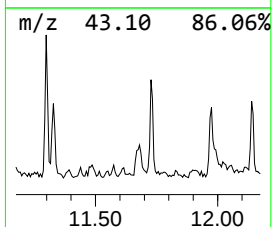
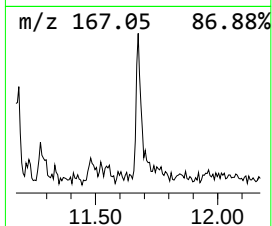
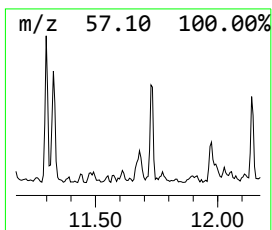
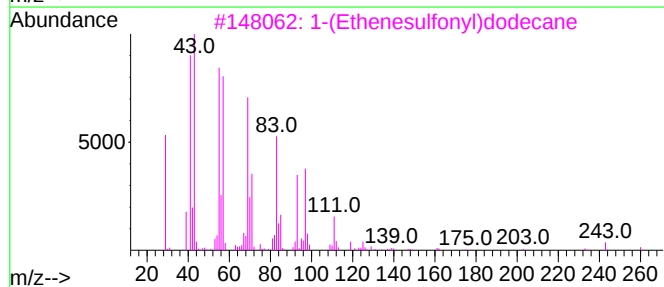
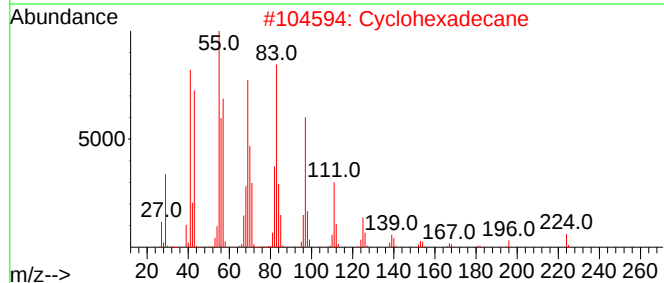
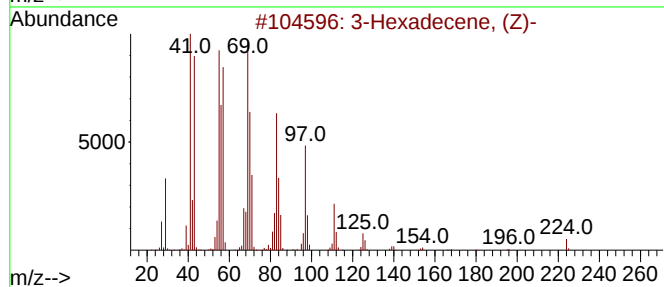
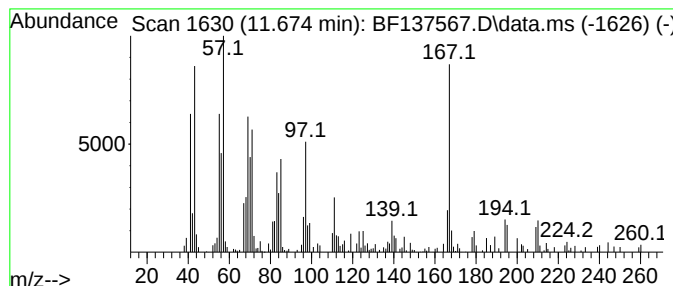
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Peak Number 10 3-Hexadecene, (Z)- Concentration Rank 11

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.674 | 2.13 ng | 137701 | Phenanthrene-d10 | 11.427 |

| Hit# | of 5 | Tentative ID               | MW  | MolForm   | CAS#        | Qual |
|------|------|----------------------------|-----|-----------|-------------|------|
| 1    |      | 3-Hexadecene, (Z)-         | 224 | C16H32    | 034303-81-6 | 92   |
| 2    |      | Cyclohexadecane            | 224 | C16H32    | 000295-65-8 | 60   |
| 3    |      | 1-(Ethenesulfonyl)dodecane | 260 | C14H28O2S | 030719-66-5 | 50   |
| 4    |      | 1-Hexacosanol              | 382 | C26H54O   | 000506-52-5 | 49   |
| 5    |      | n-Tetracosanol-1           | 354 | C24H50O   | 000506-51-4 | 49   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031124\  
Data File : BF137567.D  
Acq On : 11 Mar 2024 20:49  
Operator : CG\JU  
Sample : P1701-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RCA-2-COMP

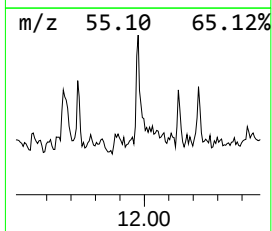
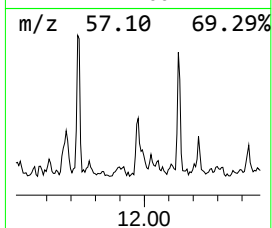
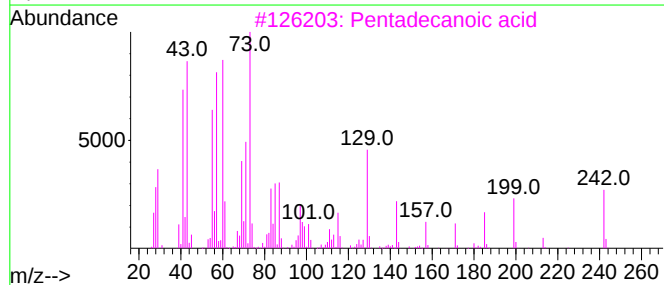
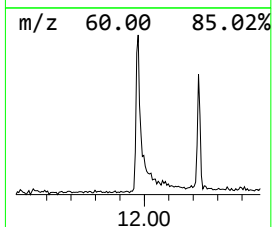
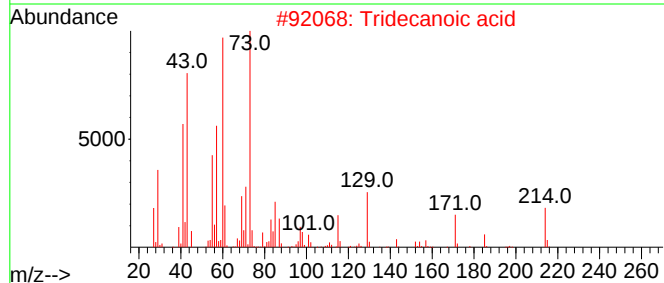
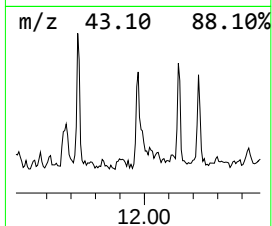
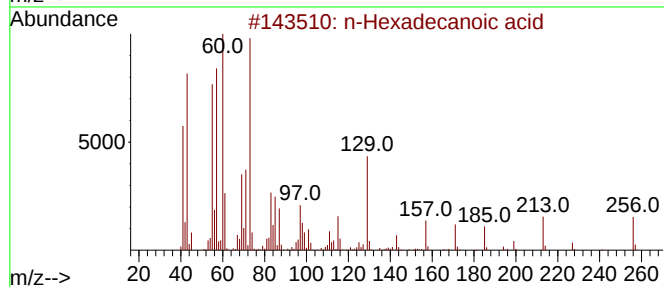
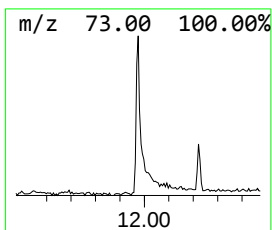
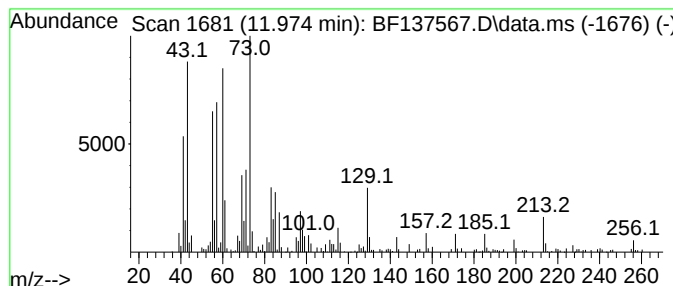
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 n-Hexadecanoic acid Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.974 | 3.66 ng | 236064 | Phenanthrene-d10 | 11.427 |

| 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 | 94   |
| 3    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 86   |
| 4    |    |   | Dodecanoic acid     | 200 | C12H24O2 | 000143-07-7 | 81   |
| 5    |    |   | Nonanoic acid       | 158 | C9H18O2  | 000112-05-0 | 43   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031124\  
Data File : BF137567.D  
Acq On : 11 Mar 2024 20:49  
Operator : CG\JU  
Sample : P1701-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RCA-2-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

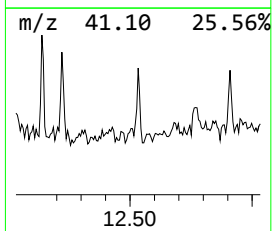
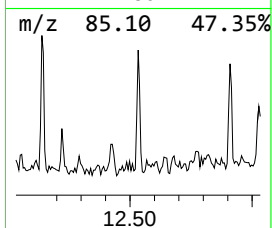
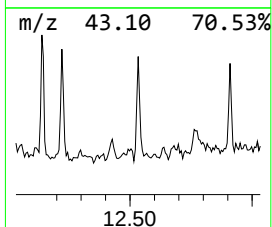
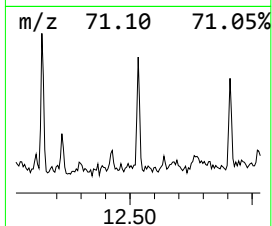
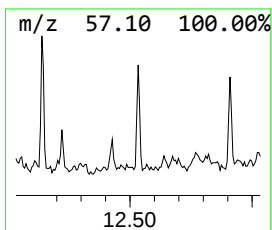
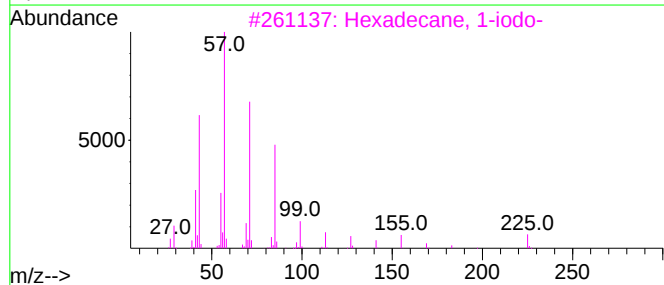
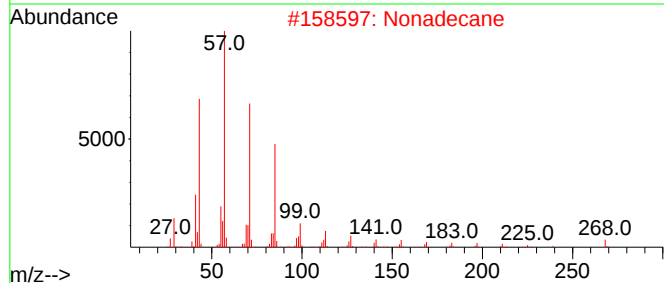
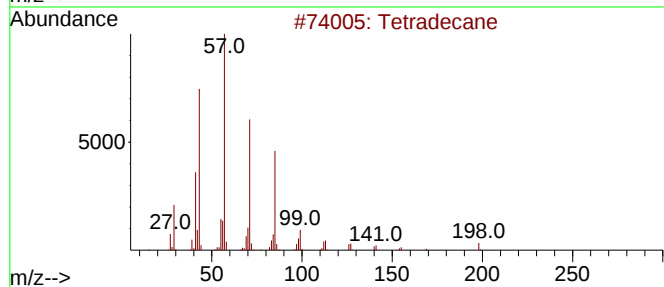
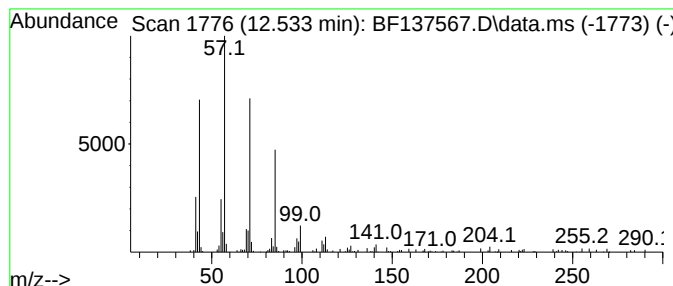
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TIC Integration Parameters: LSCINT.P

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Peak Number 12 Tetradecane Concentration Rank 14

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.533 | 2.06 ng | 132956 | Phenanthrene-d10 | 11.427 |

| Hit# | of 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------|-----|---------|-------------|------|
| 1    |      | Tetradecane          | 198 | C14H30  | 000629-59-4 | 86   |
| 2    |      | Nonadecane           | 268 | C19H40  | 000629-92-5 | 86   |
| 3    |      | Hexadecane, 1-iodo-  | 352 | C16H33I | 000544-77-4 | 86   |
| 4    |      | Pentacosane          | 352 | C25H52  | 000629-99-2 | 86   |
| 5    |      | Tetradecane, 1-iodo- | 324 | C14H29I | 019218-94-1 | 86   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031124\  
Data File : BF137567.D  
Acq On : 11 Mar 2024 20:49  
Operator : CG\JU  
Sample : P1701-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RCA-2-COMP

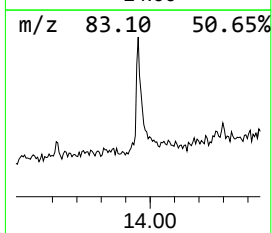
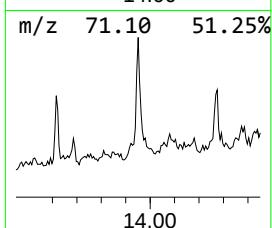
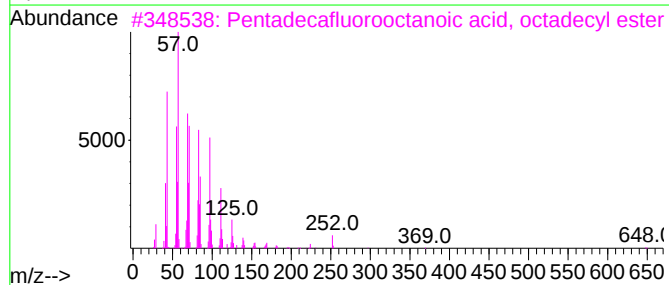
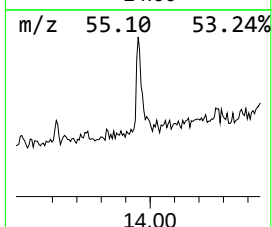
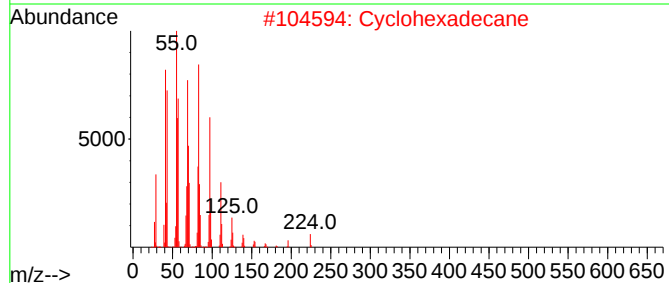
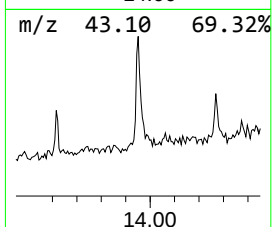
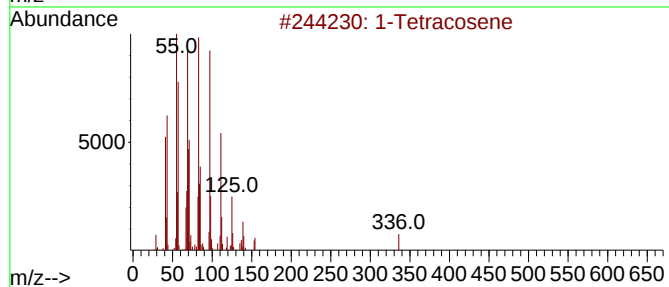
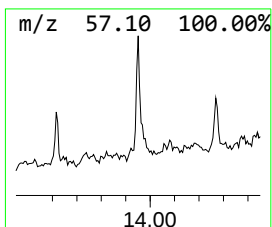
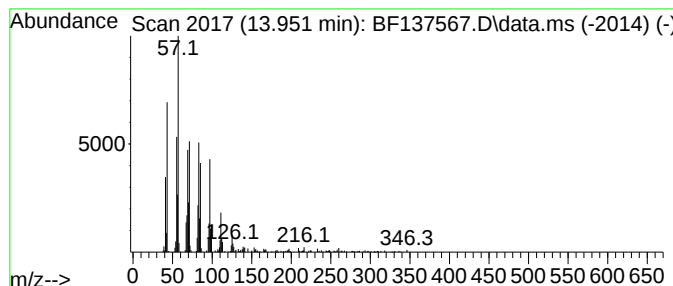
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 13 1-Tetracosene Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.951 | 3.74 ng | 270564 | Chrysene-d12     | 14.092 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | 1-Tetracosene                       | 336 | C24H48      | 010192-32-2  | 96   |
| 2    |    |   | Cyclohexadecane                     | 224 | C16H32      | 000295-65-8  | 96   |
| 3    |    |   | Pentadecafluorooctanoic acid, oc... | 666 | C26H37F15O2 | 1000406-04-8 | 93   |
| 4    |    |   | Heneicosyl heptafluorobutyrate      | 508 | C25H43F7O2  | 1000351-83-8 | 83   |
| 5    |    |   | Docosyl pentafluoropropionate       | 472 | C25H45F5O2  | 1000351-80-9 | 83   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031124\  
Data File : BF137567.D  
Acq On : 11 Mar 2024 20:49  
Operator : CG\JU  
Sample : P1701-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RCA-2-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

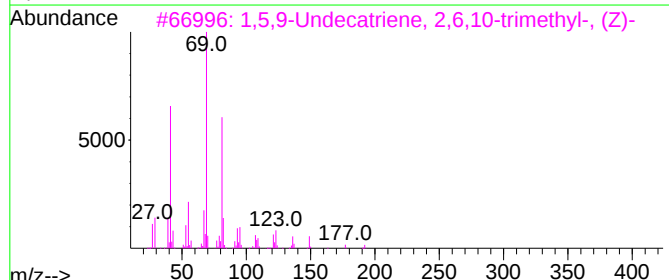
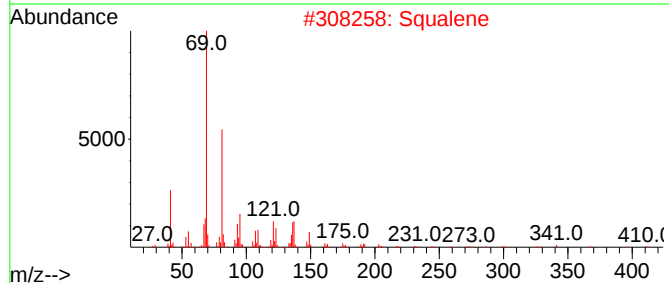
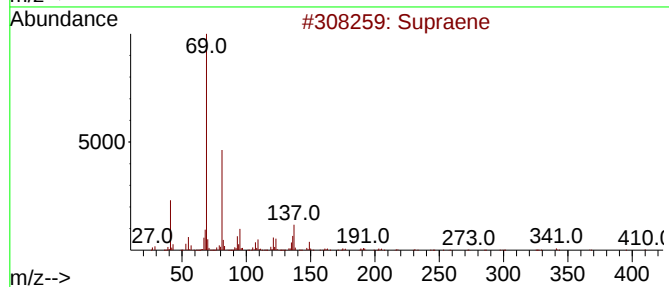
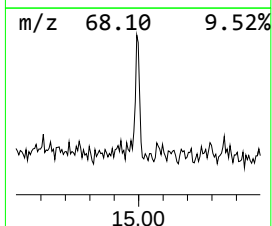
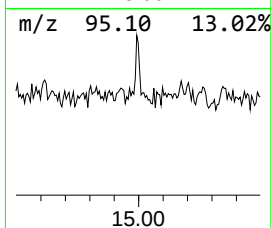
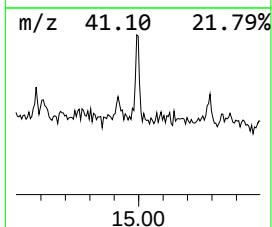
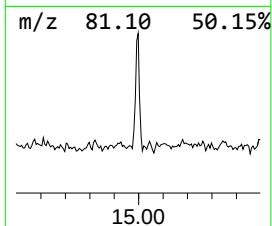
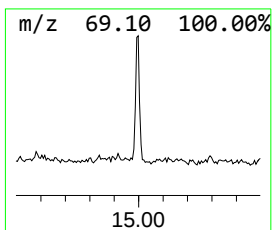
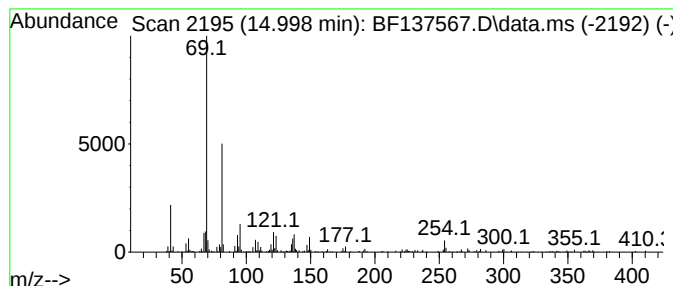
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Supraene Concentration Rank 5

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 14.998 | 3.26 ng | 153070 | Perylene-d12     | 15.645 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|------|-------------------------------------|-----|----------|-------------|------|
| 1    |      | Supraene                            | 410 | C30H50   | 007683-64-9 | 93   |
| 2    |      | Squalene                            | 410 | C30H50   | 000111-02-4 | 91   |
| 3    |      | 1,5,9-Undecatriene, 2,6,10-trime... | 192 | C14H24   | 062951-96-6 | 81   |
| 4    |      | 4,9,13,17-Tetramethyl-4,8,12,16-... | 316 | C22H36O  | 056882-09-8 | 64   |
| 5    |      | 2,6,10,14-Hexadecatetraenoic aci... | 332 | C22H36O2 | 024035-35-6 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031124\  
Data File : BF137567.D  
Acq On : 11 Mar 2024 20:49  
Operator : CG\JU  
Sample : P1701-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RCA-2-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022924.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... | 2.257  | 28.5    | ng    | 1943350  | 1                     | 6.904  | 1364940 | 20.0 |
| Tetradecane, 1-... | 9.333  | 2.1     | ng    | 180335   | 3                     | 9.927  | 1681580 | 20.0 |
| Pentadecane        | 9.869  | 2.1     | ng    | 178072   | 3                     | 9.927  | 1681580 | 20.0 |
| unknown10.033      | 10.033 | 2.2     | ng    | 182390   | 3                     | 9.927  | 1681580 | 20.0 |
| Hexadecane         | 10.369 | 2.2     | ng    | 185574   | 3                     | 9.927  | 1681580 | 20.0 |
| Undecane, 5-ethyl- | 10.592 | 2.4     | ng    | 200651   | 3                     | 9.927  | 1681580 | 20.0 |
| Heptadecane        | 10.845 | 6.6     | ng    | 423421   | 4                     | 11.427 | 1290270 | 20.0 |
| Nonadecane         | 11.298 | 2.1     | ng    | 136276   | 4                     | 11.427 | 1290270 | 20.0 |
| Heptadecane, 2,... | 11.327 | 2.6     | ng    | 170622   | 4                     | 11.427 | 1290270 | 20.0 |
| 3-Hexadecene, (Z)- | 11.674 | 2.1     | ng    | 137701   | 4                     | 11.427 | 1290270 | 20.0 |
| n-Hexadecanoic ... | 11.974 | 3.7     | ng    | 236064   | 4                     | 11.427 | 1290270 | 20.0 |
| Tetradecane        | 12.533 | 2.1     | ng    | 132956   | 4                     | 11.427 | 1290270 | 20.0 |
| 1-Tetracosene      | 13.951 | 3.7     | ng    | 270564   | 5                     | 14.092 | 1448590 | 20.0 |
| Supraene           | 14.998 | 3.3     | ng    | 153070   | 6                     | 15.645 | 938344  | 20.0 |