LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144024.D
Acq On : 21 Oct 2025 20:56
Operator : RC/JU
Sample : Q3403-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MH-18

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-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144024.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.487 | 384 | 390 | 396 | rBV | 12899 | 22610 | 1.19% | 0.133% |
| 2 | 5.093 | 484 | 493 | 508 | rVB | 61691 | 111042 | 5.87% | 0.655% |
| 3 | 5.498 | 556 | 562 | 582 | rBV | 1412424 | 1876828 | 99.14% | 11.062% |
| 4 | 6.504 | 727 | 733 | 760 | rBV | 1410673 | 1893083 | 100.00% | 11.158% |
| 5 | 6.881 | 792 | 797 | 802 | rBV | 531871 | 649451 | 34.31% | 3.828% |
| 6 | 7.439 | 886 | 892 | 903 | rBV | 867381 | 1117061 | 59.01% | 6.584% |
| 7 | 7.698 | 932 | 936 | 943 | rBV2 | 10400 | 19321 | 1.02% | 0.114% |
| 8 | 8.163 | 1010 | 1015 | 1032 | rBV | 631808 | 812113 | 42.90% | 4.787% |
| 9 | 9.239 | 1192 | 1198 | 1208 | rBV | 1364442 | 1788339 | 94.47% | 10.541% |
| 10 | 9.575 | 1251 | 1255 | 1258 | rBV | 14943 | 20552 | 1.09% | 0.121% |
| 11 | 9.781 | 1285 | 1290 | 1294 | rVB | 33883 | 41574 | 2.20% | 0.245% |
| 12 | 9.922 | 1306 | 1314 | 1327 | rBV | 596962 | 791250 | 41.80% | 4.664% |
| 13 | 10.633 | 1430 | 1435 | 1442 | rBV | 189815 | 241646 | 12.76% | 1.424% |
| 14 | 10.710 | 1442 | 1448 | 1459 | rBV | 625831 | 851709 | 44.99% | 5.020% |
| 15 | 10.833 | 1464 | 1469 | 1476 | rVB6 | 12157 | 20954 | 1.11% | 0.124% |
| 16 | 11.016 | 1495 | 1500 | 1503 | rBV3 | 12176 | 19824 | 1.05% | 0.117% |
| 17 | 11.410 | 1562 | 1567 | 1577 | rBV2 | 521849 | 810403 | 42.81% | 4.777% |
| 18 | 11.745 | 1620 | 1624 | 1629 | rVB | 16526 | 22119 | 1.17% | 0.130% |
| 19 | 11.939 | 1648 | 1657 | 1663 | rBV3 | 193192 | 382232 | 20.19% | 2.253% |
| 20 | 12.022 | 1668 | 1671 | 1674 | rBV2 | 63168 | 85478 | 4.52% | 0.504% |
| 21 | 12.210 | 1698 | 1703 | 1705 | rBV2 | 21249 | 32140 | 1.70% | 0.189% |
| 22 | 12.233 | 1705 | 1707 | 1714 | rVB | 21472 | 31152 | 1.65% | 0.184% |
| 23 | 12.357 | 1722 | 1728 | 1731 | rBV2 | 19070 | 38355 | 2.03% | 0.226% |
| 24 | 12.392 | 1731 | 1734 | 1736 | rVV2 | 21585 | 24304 | 1.28% | 0.143% |
| 25 | 12.463 | 1742 | 1746 | 1749 | rBV | 69037 | 97066 | 5.13% | 0.572% |
| 26 | 12.498 | 1749 | 1752 | 1758 | rVV2 | 41557 | 76144 | 4.02% | 0.449% |
| 27 | 12.551 | 1758 | 1761 | 1769 | rVB5 | 28929 | 49569 | 2.62% | 0.292% |
| 28 | 12.627 | 1769 | 1774 | 1778 | rBV | 123050 | 155733 | 8.23% | 0.918% |
| 29 | 12.721 | 1787 | 1790 | 1794 | rBV2 | 26181 | 32309 | 1.71% | 0.190% |
| 30 | 12.857 | 1808 | 1813 | 1819 | rBV | 168845 | 249298 | 13.17% | 1.469% |
| 31 | 12.910 | 1819 | 1822 | 1826 | rVB2 | 29346 | 39141 | 2.07% | 0.231% |
| 32 | 12.998 | 1832 | 1837 | 1845 | rVB | 1092601 | 1411115 | 74.54% | 8.317% |
| 33 | 13.074 | 1845 | 1850 | 1857 | rBV3 | 40742 | 80902 | 4.27% | 0.477% |
| 34 | 13.180 | 1861 | 1868 | 1872 | rVB2 | 43632 | 98622 | 5.21% | 0.581% |
| 35 | 13.227 | 1873 | 1876 | 1878 | rBV4 | 14166 | 19916 | 1.05% | 0.117% |
| 36 | 13.292 | 1883 | 1887 | 1894 | rVB | 50900 | 78495 | 4.15% | 0.463% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144024.D
Acq On : 21 Oct 2025 20:56
Operator : RC/JU
Sample : Q3403-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MH-18

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-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 13.380 | 1898 | 1902 | 1905 | rVV | 41920 | 54477 | 2.88% | 0.321% |
| 38 | 13.416 | 1905 | 1908 | 1911 | rVB | 35620 | 43594 | 2.30% | 0.257% |
| 39 | 13.569 | 1931 | 1934 | 1936 | rBV3 | 14598 | 20676 | 1.09% | 0.122% |
| 40 | 13.698 | 1949 | 1956 | 1961 | rVB2 | 26950 | 53911 | 2.85% | 0.318% |
| 41 | 13.804 | 1969 | 1974 | 1981 | rBV5 | 27306 | 70902 | 3.75% | 0.418% |
| 42 | 13.904 | 1987 | 1991 | 2001 | rVB3 | 67558 | 131788 | 6.96% | 0.777% |
| 43 | 14.057 | 2011 | 2017 | 2028 | rBV2 | 568551 | 963314 | 50.89% | 5.678% |
| 44 | 14.216 | 2041 | 2044 | 2053 | rVB7 | 30017 | 56677 | 2.99% | 0.334% |
| 45 | 14.445 | 2080 | 2083 | 2086 | rVB | 34233 | 41346 | 2.18% | 0.244% |
| 46 | 14.480 | 2087 | 2089 | 2092 | rVB | 25597 | 24326 | 1.28% | 0.143% |
| 47 | 14.521 | 2093 | 2096 | 2101 | rBV5 | 26610 | 51146 | 2.70% | 0.301% |
| 48 | 14.815 | 2143 | 2146 | 2153 | rVB3 | 46526 | 84443 | 4.46% | 0.498% |
| 49 | 14.910 | 2159 | 2162 | 2166 | rBV | 68989 | 84027 | 4.44% | 0.495% |
| 50 | 15.110 | 2191 | 2196 | 2203 | rBV | 60162 | 127142 | 6.72% | 0.749% |
| 51 | 15.415 | 2244 | 2248 | 2254 | rVB | 43635 | 66133 | 3.49% | 0.390% |
| 52 | 15.480 | 2255 | 2259 | 2264 | rVV | 61532 | 93391 | 4.93% | 0.550% |
| 53 | 15.545 | 2264 | 2270 | 2292 | rVB | 506417 | 906567 | 47.89% | 5.344% |

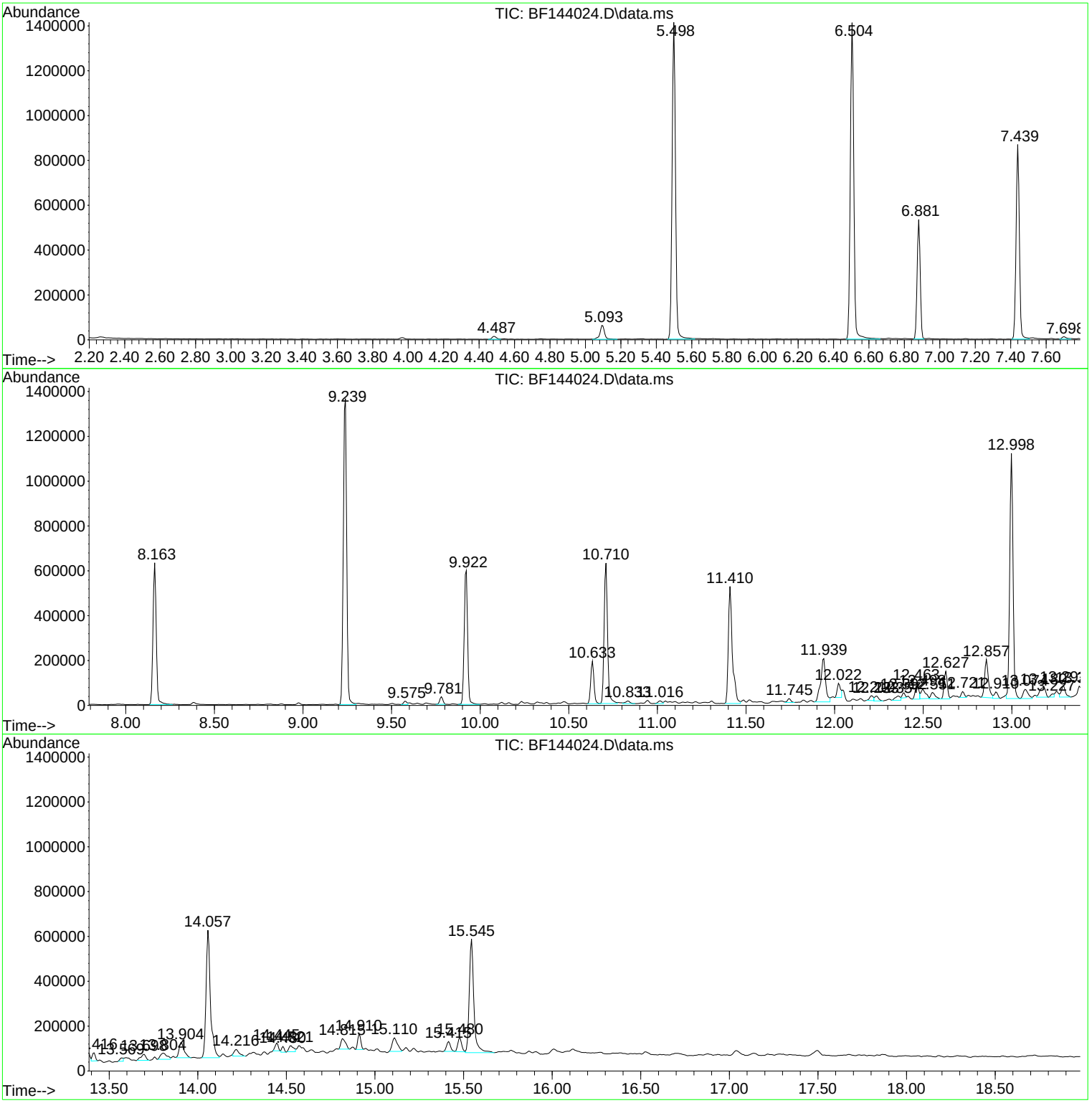
Sum of corrected areas: 16965710

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144024.D
Acq On : 21 Oct 2025 20:56
Operator : RC/JU
Sample : Q3403-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MH-18

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.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\BF102125\
Data File : BF144024.D
Acq On : 21 Oct 2025 20:56
Operator : RC/JU
Sample : Q3403-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MH-18

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

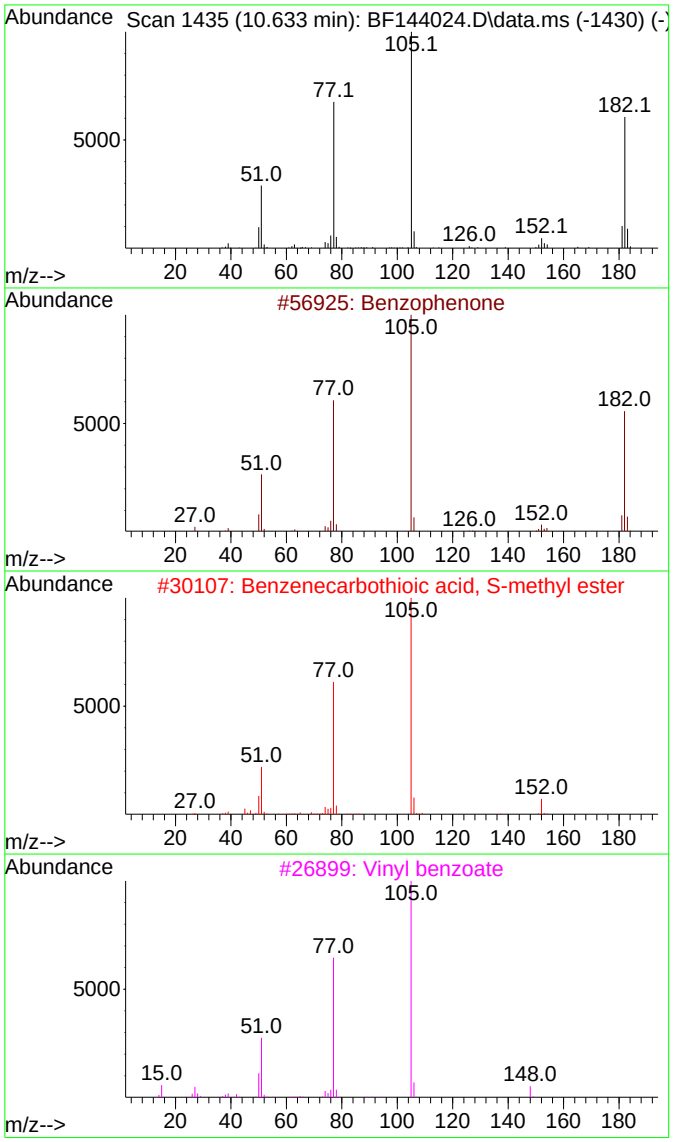
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

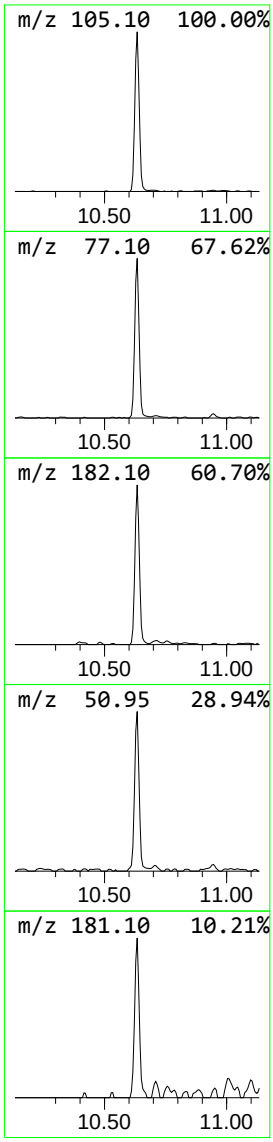
**********

Peak Number 2 Benzophenone Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.633 | 6.11 ng | 241646 | Acenaphthene-d10 | 9.922 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 96 |
| 2 | Benzenecarbothioic acid, S-methy... | 152 | C8H8OS | 005925-68-8 | 49 |
| 3 | Vinyl benzoate | 148 | C9H8O2 | 000769-78-8 | 47 |
| 4 | Disulfide, dibenzoyl | 274 | C14H10O2S2 | 000644-32-6 | 47 |
| 5 | 1,2-Propanedione, 1-phenyl- | 148 | C9H8O2 | 000579-07-7 | 47 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144024.D
Acq On : 21 Oct 2025 20:56
Operator : RC/JU
Sample : Q3403-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MH-18

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

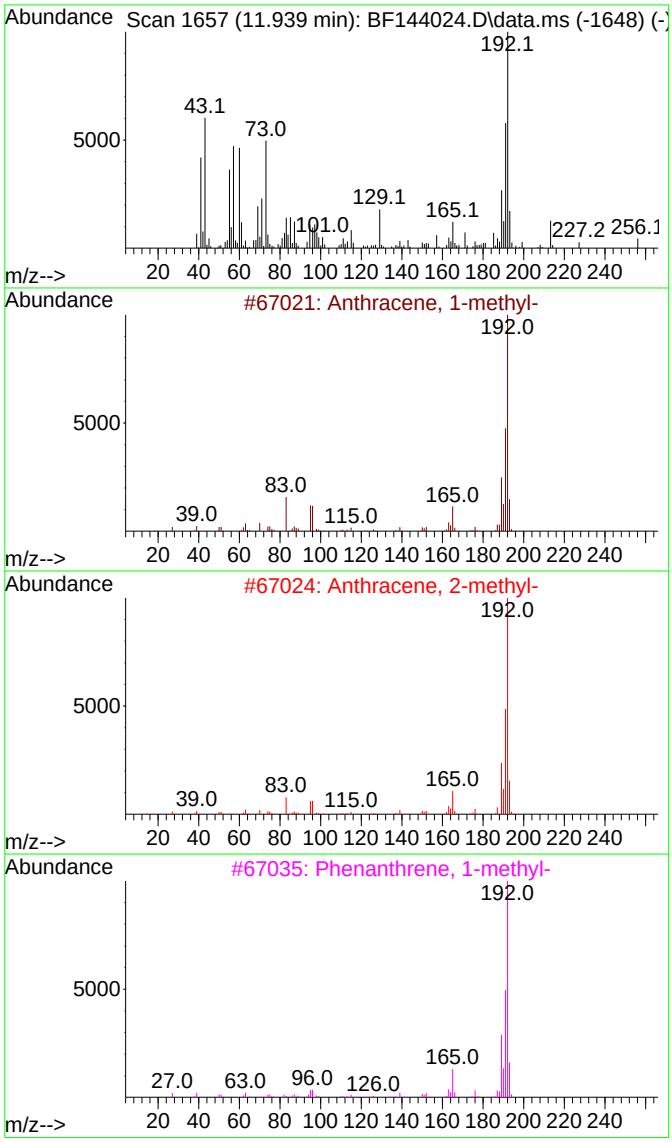
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

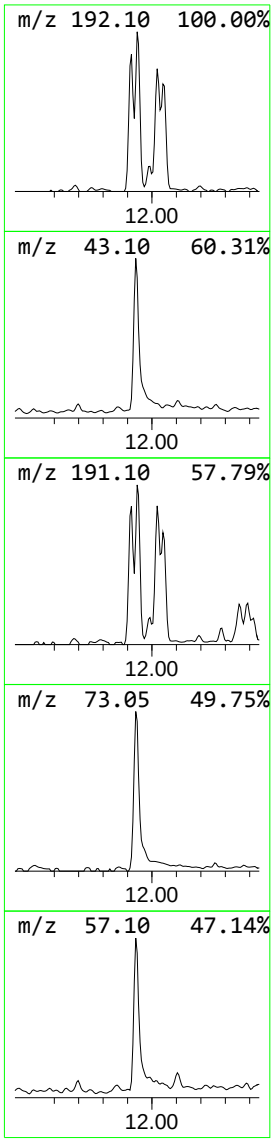
**********

Peak Number 3 Anthracene, 1-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.939 | 9.43 ng | 382232 | Phenanthrene-d10 | 11.410 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 96 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 95 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 92 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144024.D
Acq On : 21 Oct 2025 20:56
Operator : RC/JU
Sample : Q3403-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MH-18

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

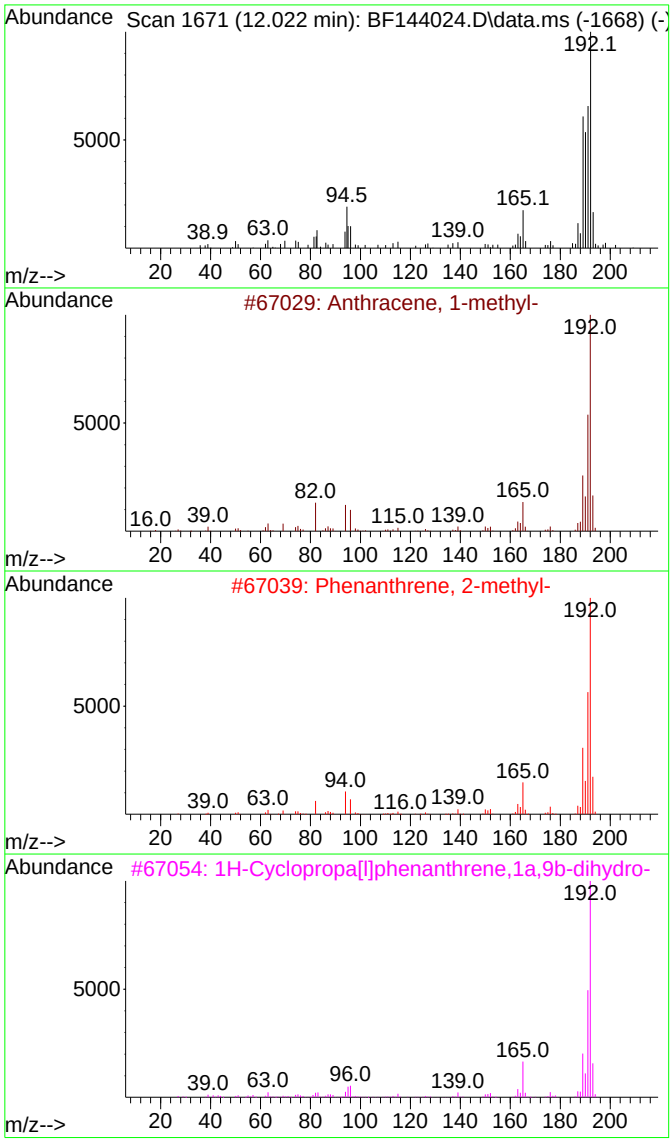
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

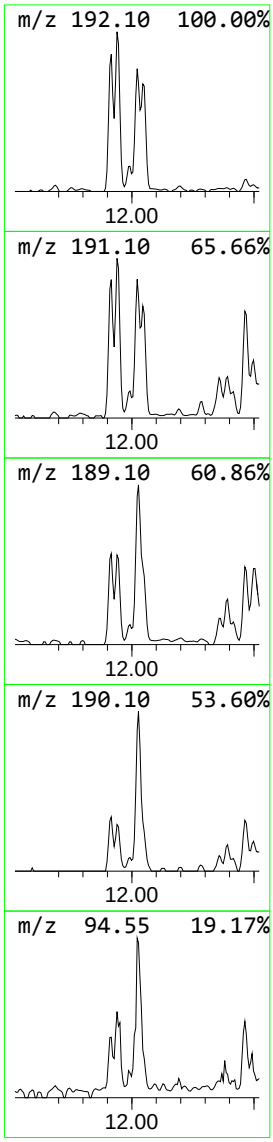
**********

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.022 | 2.11 ng | 85478 | Phenanthrene-d10 | 11.410 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 96 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 91 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 90 |
| 4 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 78 |
| 5 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 78 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144024.D
Acq On : 21 Oct 2025 20:56
Operator : RC/JU
Sample : Q3403-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MH-18

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

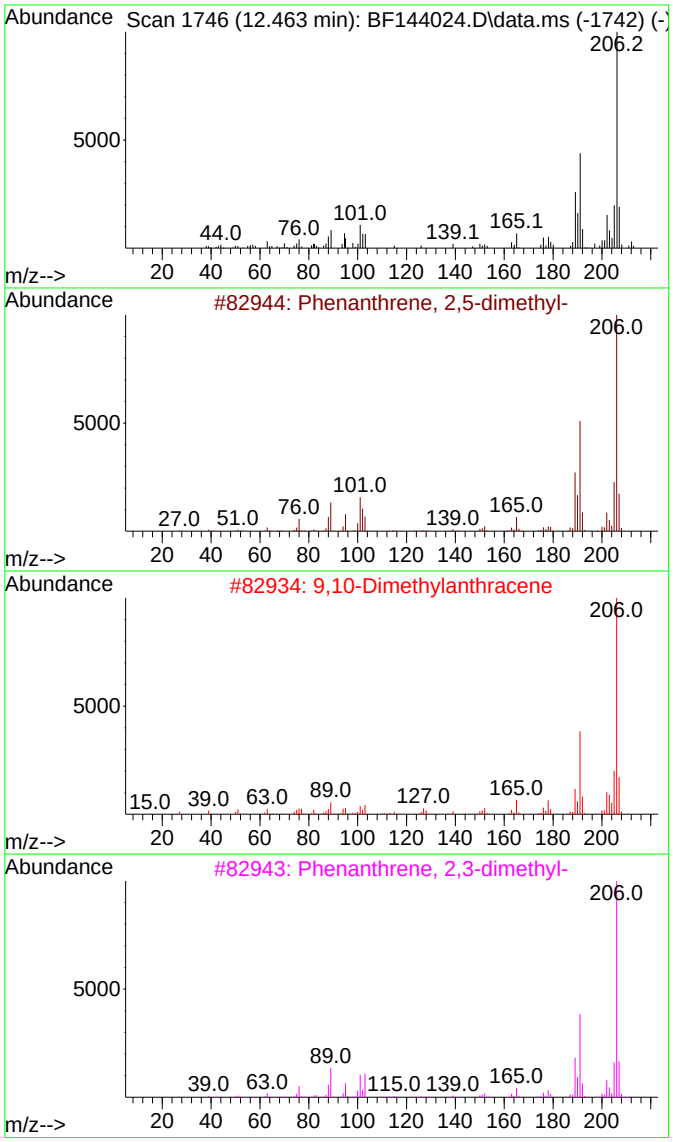
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

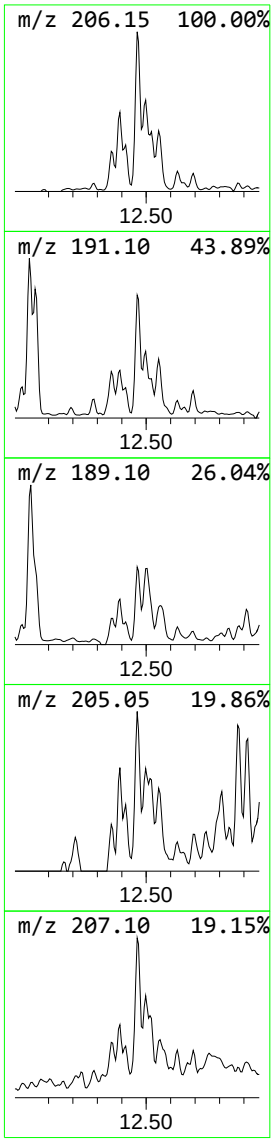
**********

Peak Number 5 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.463 | 2.40 ng | 97066 | Phenanthrene-d10 | 11.410 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 97 |
| 2 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 94 |
| 3 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 94 |
| 4 | 3,4-Dimethylphenanthrene | 206 | C16H14 | 1000452-24-5 | 94 |
| 5 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144024.D
Acq On : 21 Oct 2025 20:56
Operator : RC/JU
Sample : Q3403-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MH-18

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

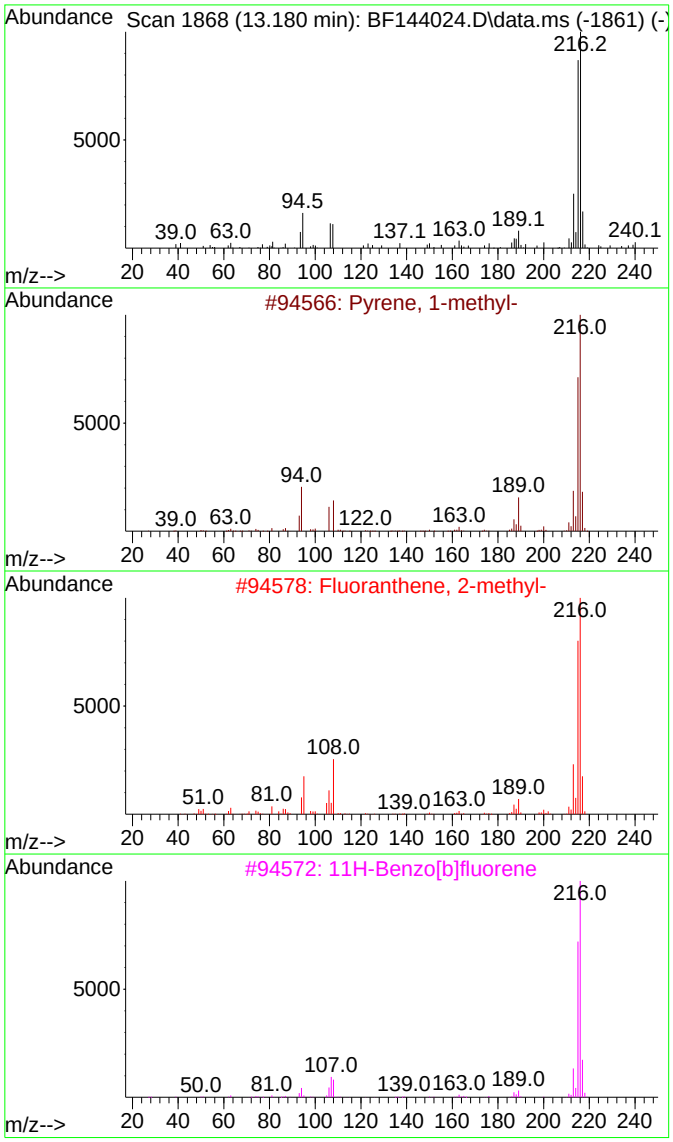
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

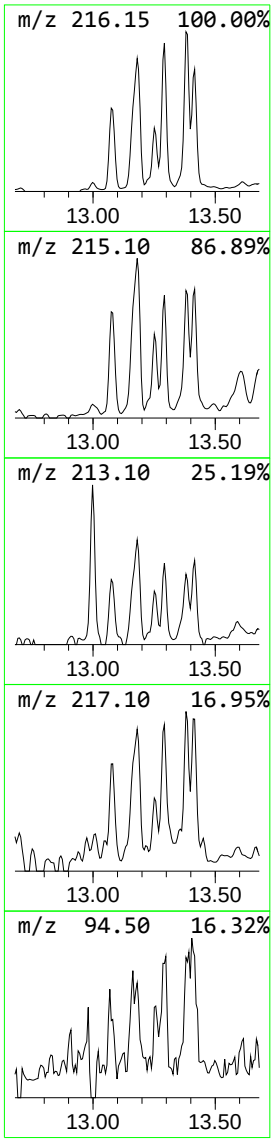
**********

Peak Number 6 Pyrene, 1-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.180 | 2.05 ng | 98622 | Chrysene-d12 | 14.057 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 93 |
| 2 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 91 |
| 3 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 90 |
| 4 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 81 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 72 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144024.D
Acq On : 21 Oct 2025 20:56
Operator : RC/JU
Sample : Q3403-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MH-18

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Benzophenone | 10.633 | 6.1 | ng | 241646 | 3 | 9.922 | 791250 | 20.0 |
| Anthracene, 1-m... | 11.939 | 9.4 | ng | 382232 | 4 | 11.410 | 810403 | 20.0 |
| Phenanthrene, 2... | 12.022 | 2.1 | ng | 85478 | 4 | 11.410 | 810403 | 20.0 |
| Phenanthrene, 2... | 12.463 | 2.4 | ng | 97066 | 4 | 11.410 | 810403 | 20.0 |
| Pyrene, 1-methyl- | 13.180 | 2.0 | ng | 98622 | 5 | 14.057 | 963314 | 20.0 |