LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
Data File : BF142499.D
Acq On : 21 May 2025 21:01
Operator : RC/JU
Sample : Q2074-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-40

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142499.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.110 | 488 | 496 | 502 | rBV | 95272 | 140012 | 11.53% | 1.167% |
| 2 | 5.510 | 558 | 564 | 569 | rBV | 949916 | 1214359 | 100.00% | 10.121% |
| 3 | 6.516 | 729 | 735 | 748 | rVB | 898020 | 1150253 | 94.72% | 9.587% |
| 4 | 6.898 | 795 | 800 | 805 | rBV | 421381 | 506304 | 41.69% | 4.220% |
| 5 | 7.457 | 889 | 895 | 900 | rBV | 523456 | 648271 | 53.38% | 5.403% |
| 6 | 7.710 | 934 | 938 | 943 | rBV | 14969 | 18957 | 1.56% | 0.158% |
| 7 | 8.181 | 1013 | 1018 | 1031 | rVB | 445639 | 547597 | 45.09% | 4.564% |
| 8 | 9.257 | 1195 | 1201 | 1206 | rBV | 742983 | 942964 | 77.65% | 7.859% |
| 9 | 9.798 | 1289 | 1293 | 1300 | rBV | 17738 | 22704 | 1.87% | 0.189% |
| 10 | 9.939 | 1311 | 1317 | 1322 | rBV | 351443 | 452701 | 37.28% | 3.773% |
| 11 | 10.651 | 1433 | 1438 | 1445 | rBV | 70133 | 91637 | 7.55% | 0.764% |
| 12 | 10.722 | 1445 | 1450 | 1465 | rVB | 467896 | 587806 | 48.40% | 4.899% |
| 13 | 11.427 | 1565 | 1570 | 1578 | rBV2 | 357151 | 549881 | 45.28% | 4.583% |
| 14 | 11.498 | 1578 | 1582 | 1586 | rVV | 15326 | 18537 | 1.53% | 0.154% |
| 15 | 11.651 | 1603 | 1608 | 1616 | rBV7 | 5932 | 13439 | 1.11% | 0.112% |
| 16 | 11.951 | 1650 | 1659 | 1665 | rBV2 | 75835 | 145975 | 12.02% | 1.217% |
| 17 | 12.039 | 1670 | 1674 | 1683 | rVB2 | 28286 | 62291 | 5.13% | 0.519% |
| 18 | 12.222 | 1698 | 1705 | 1708 | rBV | 18362 | 36292 | 2.99% | 0.302% |
| 19 | 12.369 | 1724 | 1730 | 1733 | rBV6 | 7753 | 13587 | 1.12% | 0.113% |
| 20 | 12.474 | 1742 | 1748 | 1751 | rBV2 | 16808 | 23659 | 1.95% | 0.197% |
| 21 | 12.510 | 1751 | 1754 | 1760 | rVV4 | 9731 | 16983 | 1.40% | 0.142% |
| 22 | 12.563 | 1760 | 1763 | 1768 | rVB | 20109 | 26176 | 2.16% | 0.218% |
| 23 | 12.639 | 1771 | 1776 | 1781 | rBV | 242130 | 302734 | 24.93% | 2.523% |
| 24 | 12.733 | 1789 | 1792 | 1795 | rBV | 20929 | 24339 | 2.00% | 0.203% |
| 25 | 12.869 | 1808 | 1815 | 1820 | rBV | 232226 | 324430 | 26.72% | 2.704% |
| 26 | 13.010 | 1831 | 1839 | 1847 | rBV | 948866 | 1207651 | 99.45% | 10.065% |
| 27 | 13.086 | 1847 | 1852 | 1859 | rBV4 | 25471 | 49814 | 4.10% | 0.415% |
| 28 | 13.192 | 1863 | 1870 | 1874 | rVB3 | 29785 | 65460 | 5.39% | 0.546% |
| 29 | 13.263 | 1878 | 1882 | 1885 | rVV | 16027 | 23022 | 1.90% | 0.192% |
| 30 | 13.298 | 1885 | 1888 | 1896 | rVB2 | 30734 | 47308 | 3.90% | 0.394% |
| 31 | 13.392 | 1901 | 1904 | 1907 | rBV | 18465 | 22237 | 1.83% | 0.185% |
| 32 | 13.421 | 1907 | 1909 | 1914 | rVB | 16033 | 18638 | 1.53% | 0.155% |
| 33 | 13.610 | 1932 | 1941 | 1945 | rBV9 | 13122 | 40145 | 3.31% | 0.335% |
| 34 | 13.704 | 1953 | 1957 | 1963 | rVB | 30445 | 43696 | 3.60% | 0.364% |
| 35 | 13.816 | 1971 | 1976 | 1979 | rBV2 | 29587 | 54209 | 4.46% | 0.452% |
| 36 | 13.910 | 1988 | 1992 | 2001 | rVB2 | 64056 | 108234 | 8.91% | 0.902% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
Data File : BF142499.D
Acq On : 21 May 2025 21:01
Operator : RC/JU
Sample : Q2074-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-40

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 14.068 | 2012 | 2019 | 2030 | rBV2 | 569052 | 1042491 | 85.85% | 8.688% |
| 38 | 14.451 | 2081 | 2084 | 2088 | rBV | 27449 | 33910 | 2.79% | 0.283% |
| 39 | 14.486 | 2088 | 2090 | 2094 | rVB3 | 20553 | 23784 | 1.96% | 0.198% |
| 40 | 14.539 | 2095 | 2099 | 2103 | rBV4 | 23884 | 43755 | 3.60% | 0.365% |
| 41 | 15.121 | 2193 | 2198 | 2208 | rBV | 137092 | 318768 | 26.25% | 2.657% |
| 42 | 15.433 | 2247 | 2251 | 2256 | rVB | 75068 | 113968 | 9.39% | 0.950% |
| 43 | 15.498 | 2257 | 2262 | 2267 | rVV | 90280 | 142121 | 11.70% | 1.184% |
| 44 | 15.563 | 2267 | 2273 | 2285 | rVB | 315320 | 549951 | 45.29% | 4.583% |
| 45 | 17.062 | 2523 | 2528 | 2537 | rVB2 | 39375 | 99084 | 8.16% | 0.826% |
| 46 | 17.515 | 2600 | 2605 | 2614 | rVB | 31696 | 68527 | 5.64% | 0.571% |

Sum of corrected areas: 11998661

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
Data File : BF142499.D
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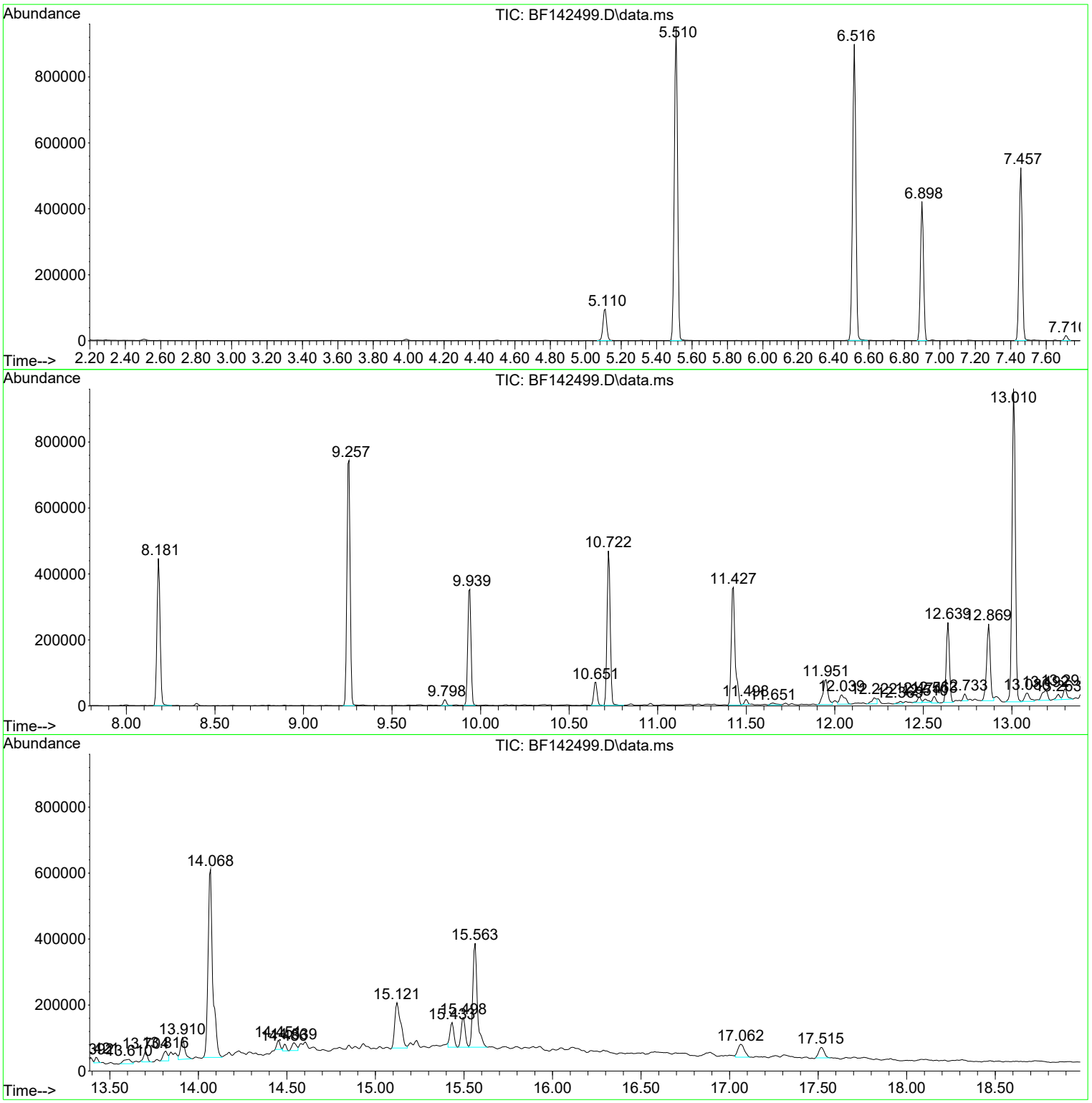
Operator : RC/JU
Sample : Q2074-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-40

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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\BF052125\
Data File : BF142499.D
Acq On : 21 May 2025 21:01
Operator : RC/JU
Sample : Q2074-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-40

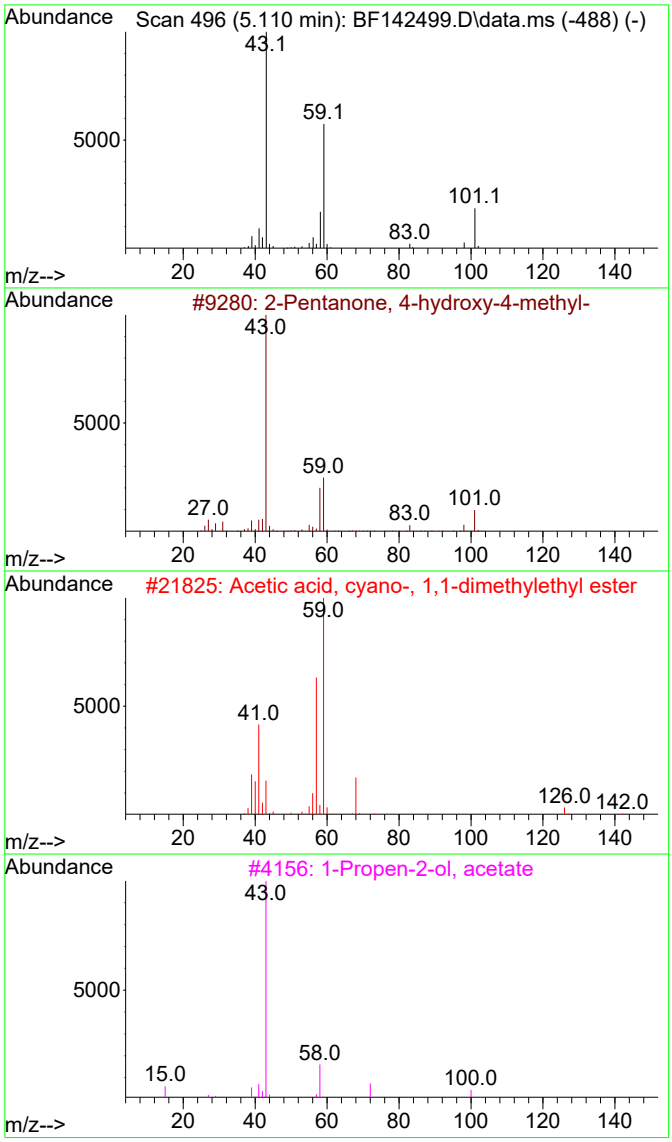
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

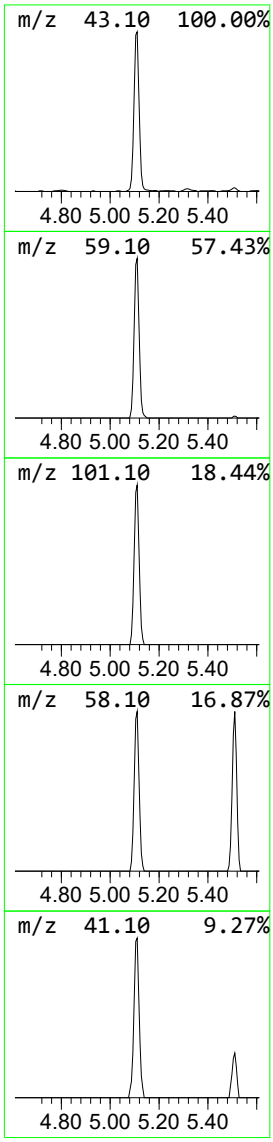
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.110 | 5.53 ng | 140012 | 1,4-Dichlorobenzene-d4 | 6.898 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 64 |
| 2 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23 |
| 3 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 12 |
| 4 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |
| 5 | Acetone | 58 | C3H6O | 000067-64-1 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
Data File : BF142499.D
Acq On : 21 May 2025 21:01
Operator : RC/JU
Sample : Q2074-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-40

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

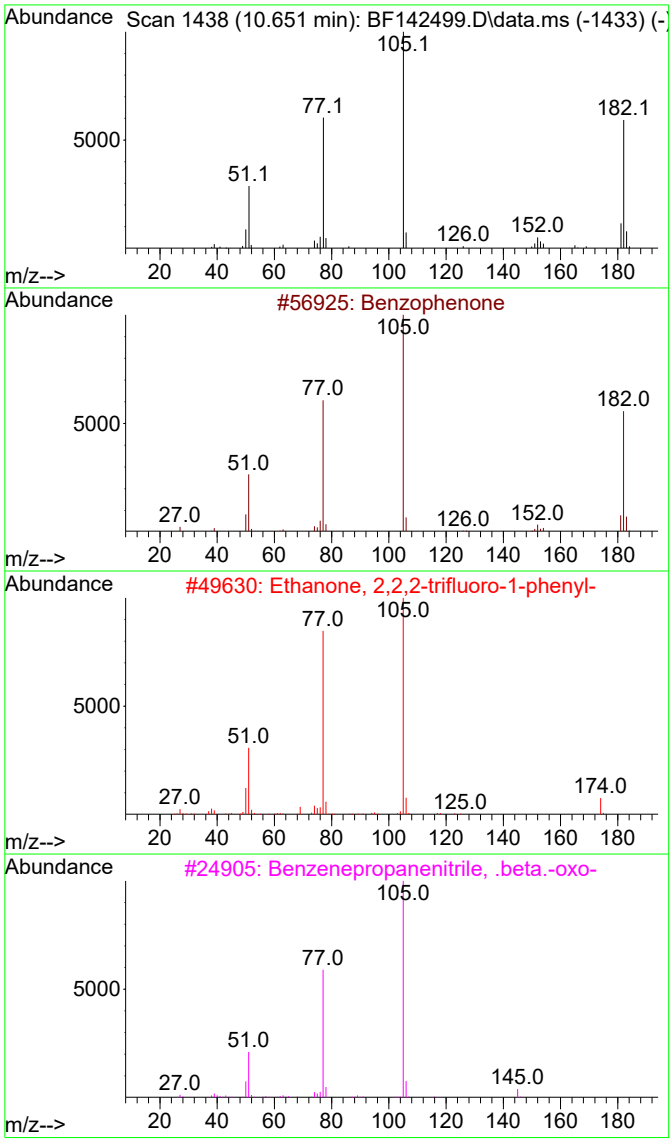
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

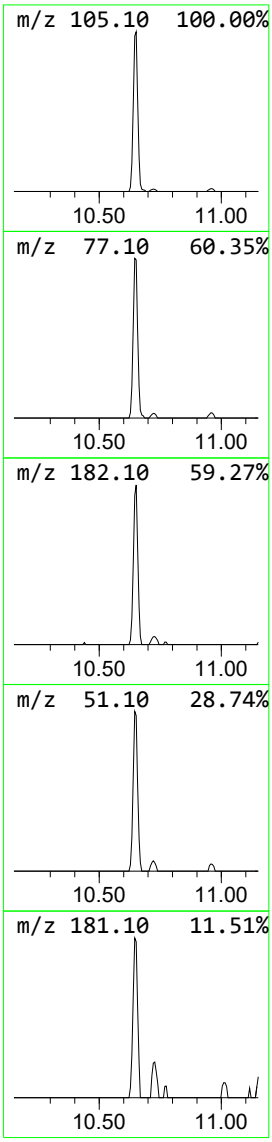
**********

Peak Number 2 Benzophenone Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.651 | 4.05 ng | 91637 | Acenaphthene-d10 | 9.939 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 96 |
| 2 | Ethanone, 2,2,2-trifluoro-1-phenyl- | 174 | C8H5F3O | 000434-45-7 | 47 |
| 3 | Benzenepropanenitrile, .beta.-oxo- | 145 | C9H7NO | 000614-16-4 | 47 |
| 4 | acetic acid, 2-bromo-, 2-oxo-2-p... | 256 | C10H9BrO3 | 1000401-50-0 | 47 |
| 5 | Benzoylformic acid | 150 | C8H6O3 | 000611-73-4 | 47 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
Data File : BF142499.D
Acq On : 21 May 2025 21:01
Operator : RC/JU
Sample : Q2074-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-40

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

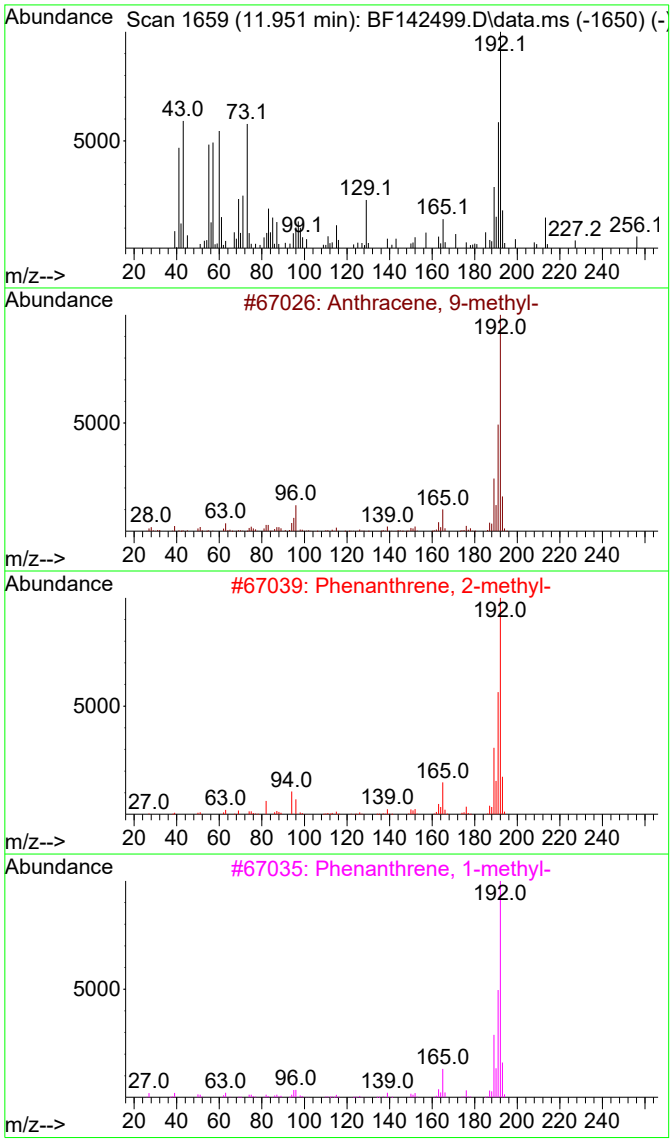
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

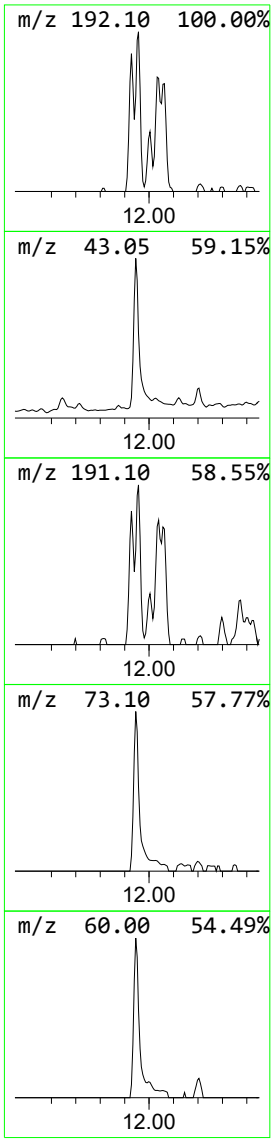
**********

Peak Number 3 Anthracene, 9-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.951 | 5.31 ng | 145975 | Phenanthrene-d10 | 11.428 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 92 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 92 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 91 |
| 4 | Naphtho[2,3-b]norbornadiene | 192 | C15H12 | 107426-38-0 | 90 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
Data File : BF142499.D
Acq On : 21 May 2025 21:01
Operator : RC/JU
Sample : Q2074-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-40

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

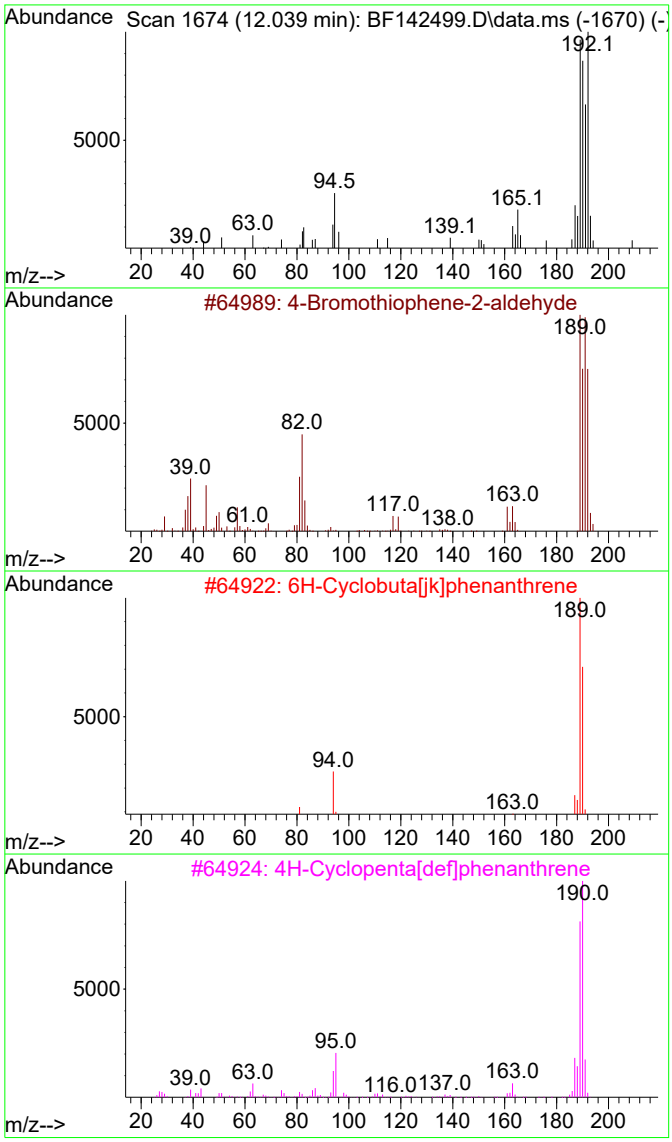
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

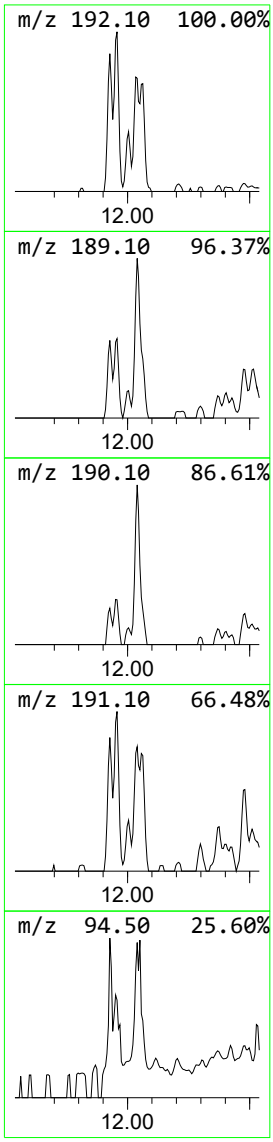
**********

Peak Number 4 4-Bromothiophene-2-aldehyde Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.039 | 2.27 ng | 62291 | Phenanthrene-d10 | 11.428 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Bromothiophene-2-aldehyde | 190 | C5H3BrOS | 018791-75-8 | 58 |
| 2 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 49 |
| 3 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 46 |
| 4 | Naphtho[2,3-b]norbornadiene | 192 | C15H12 | 107426-38-0 | 42 |
| 5 | 1a,9b-Dihydro-1H-cyclopropa[a]an... | 192 | C15H12 | 006109-24-6 | 42 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
Data File : BF142499.D
Acq On : 21 May 2025 21:01
Operator : RC/JU
Sample : Q2074-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-40

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

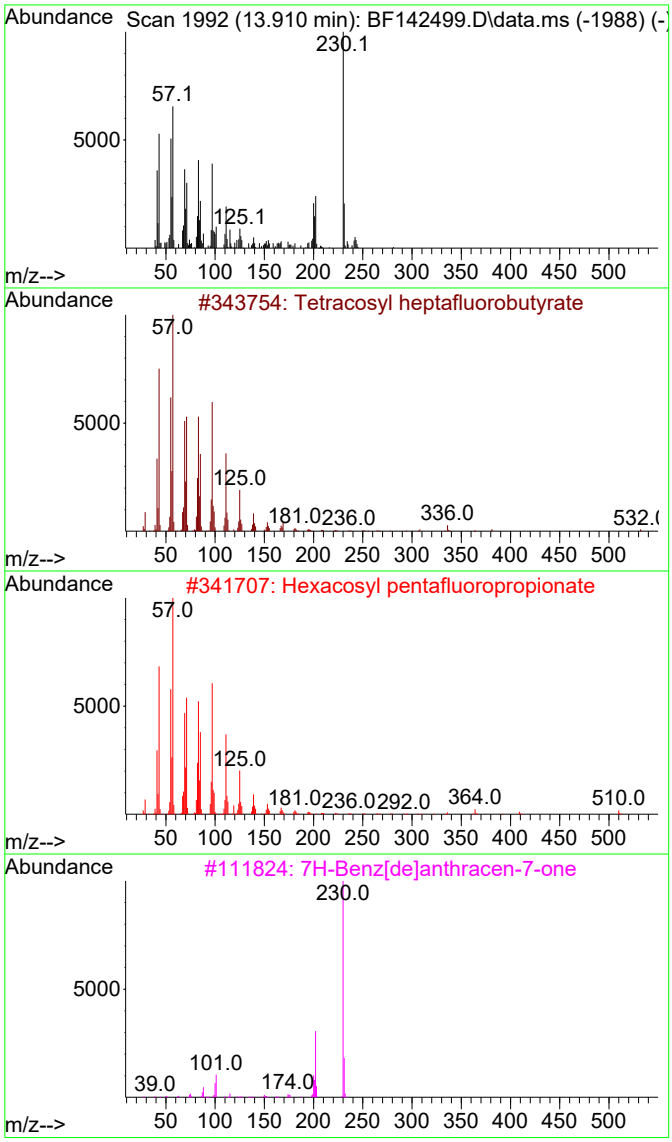
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

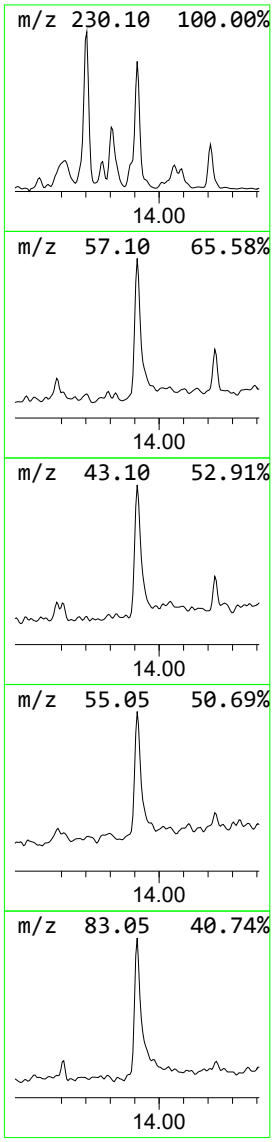
**********

Peak Number 5 unknown13.910 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.910 | 2.08 ng | 108234 | Chrysene-d12 | 14.069 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetracosyl heptafluorobutyrate | 550 | C28H49F7O2 | 1000351-83-7 | 42 |
| 2 | Hexacosyl pentafluoropropionate | 528 | C29H53F5O2 | 1000351-81-2 | 42 |
| 3 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 42 |
| 4 | 1-Hexacosene | 364 | C26H52 | 018835-33-1 | 42 |
| 5 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 42 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
Data File : BF142499.D
Acq On : 21 May 2025 21:01
Operator : RC/JU
Sample : Q2074-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-40

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

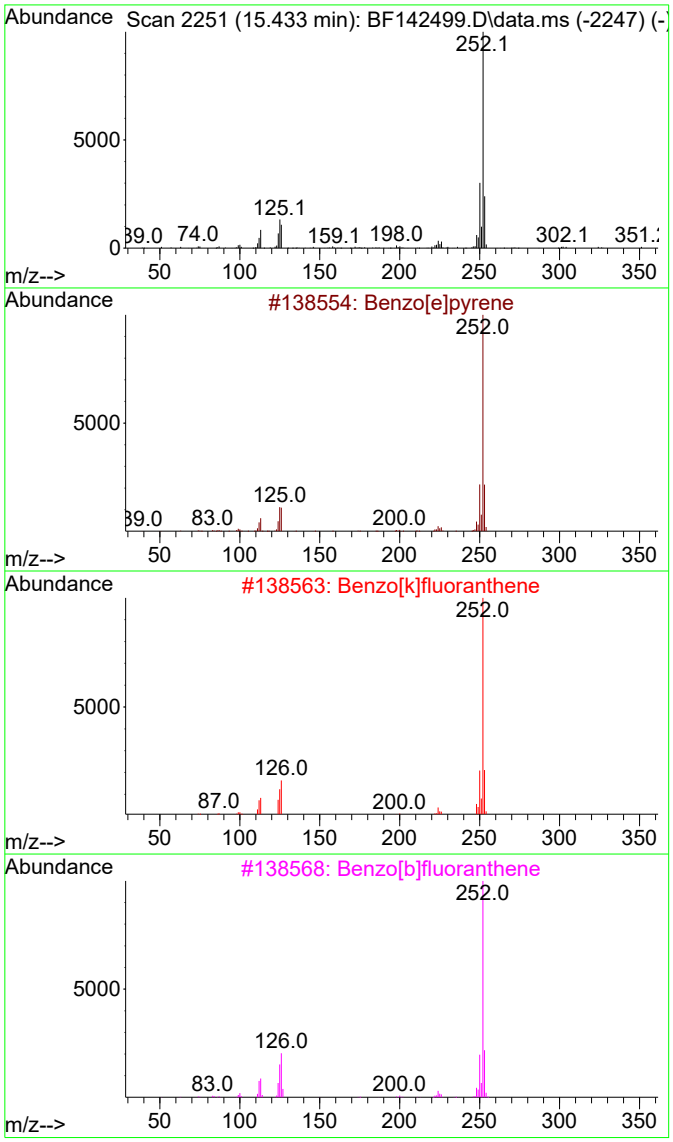
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

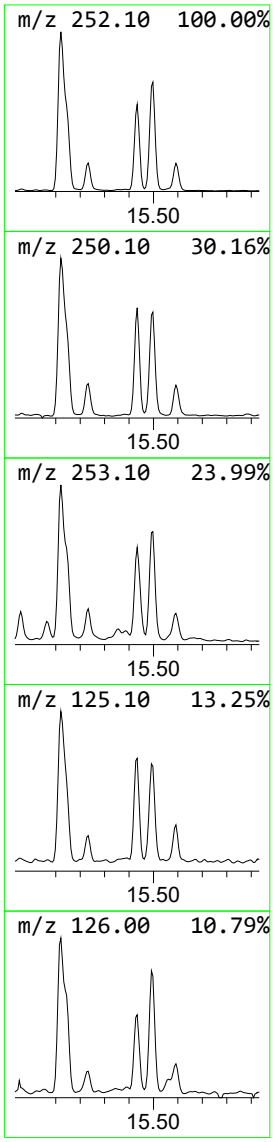
**********

Peak Number 6 Benzo[e]pyrene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.433 | 4.14 ng | 113968 | Perylene-d12 | 15.563 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 98 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 97 |
| 3 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 95 |
| 4 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 94 |
| 5 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 93 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
Data File : BF142499.D
Acq On : 21 May 2025 21:01
Operator : RC/JU
Sample : Q2074-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-40

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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 |
| 2-Pentanone, 4-... | 5.110 | 5.5 | ng | 140012 | 1 | 6.898 | 506304 | 20.0 |
| Benzophenone | 10.651 | 4.0 | ng | 91637 | 3 | 9.939 | 452701 | 20.0 |
| Anthracene, 9-m... | 11.951 | 5.3 | ng | 145975 | 4 | 11.428 | 549881 | 20.0 |
| 4-Bromothiophen... | 12.039 | 2.3 | ng | 62291 | 4 | 11.428 | 549881 | 20.0 |
| unknown13.910 | 13.910 | 2.1 | ng | 108234 | 5 | 14.069 | 1042490 | 20.0 |
| Benzo[e]pyrene | 15.433 | 4.1 | ng | 113968 | 6 | 15.563 | 549951 | 20.0 |