LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060421\
Data File : BP005727.D
Acq On : 04 Jun 2021 23:58
Operator : CG/JU
Sample : M2589-15 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** 18-B11(2-4)

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_P\Methods\8270E-BP052721.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP005727.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.546 | 413 | 418 | 426 | rBV | 193237 | 297728 | 15.85% | 1.727% |
| 2 | 6.664 | 602 | 608 | 616 | rVB | 291380 | 432089 | 23.00% | 2.507% |
| 3 | 7.152 | 682 | 691 | 705 | rVB | 190770 | 353856 | 18.84% | 2.053% |
| 4 | 7.422 | 731 | 737 | 743 | rBV | 56705 | 89467 | 4.76% | 0.519% |
| 5 | 7.987 | 822 | 833 | 841 | rBV | 562686 | 893821 | 47.58% | 5.185% |
| 6 | 8.211 | 866 | 871 | 876 | rVB | 31027 | 44645 | 2.38% | 0.259% |
| 7 | 9.152 | 1025 | 1031 | 1037 | rVV | 116066 | 200117 | 10.65% | 1.161% |
| 8 | 9.216 | 1039 | 1042 | 1052 | rVB3 | 22965 | 41144 | 2.19% | 0.239% |
| 9 | 10.793 | 1300 | 1310 | 1316 | rBV | 708775 | 1239987 | 66.01% | 7.193% |
| 10 | 10.846 | 1316 | 1319 | 1326 | rVB | 73667 | 117609 | 6.26% | 0.682% |
| 11 | 12.210 | 1543 | 1551 | 1558 | rBV | 34151 | 59259 | 3.15% | 0.344% |
| 12 | 12.452 | 1585 | 1592 | 1602 | rVB | 46580 | 86558 | 4.61% | 0.502% |
| 13 | 12.669 | 1622 | 1629 | 1638 | rBV | 36183 | 70123 | 3.73% | 0.407% |
| 14 | 13.240 | 1719 | 1726 | 1732 | rBV | 352105 | 538624 | 28.67% | 3.125% |
| 15 | 13.440 | 1755 | 1760 | 1768 | rVB2 | 55812 | 90177 | 4.80% | 0.523% |
| 16 | 13.781 | 1810 | 1818 | 1828 | rBV5 | 24313 | 84156 | 4.48% | 0.488% |
| 17 | 13.934 | 1839 | 1844 | 1850 | rBV2 | 35967 | 65404 | 3.48% | 0.379% |
| 18 | 13.987 | 1850 | 1853 | 1858 | rVB2 | 27256 | 39664 | 2.11% | 0.230% |
| 19 | 14.340 | 1909 | 1913 | 1920 | rVB2 | 23831 | 37720 | 2.01% | 0.219% |
| 20 | 14.504 | 1937 | 1941 | 1947 | rVB | 55693 | 76061 | 4.05% | 0.441% |
| 21 | 14.610 | 1950 | 1959 | 1965 | rBV | 1065022 | 1585799 | 84.42% | 9.199% |
| 22 | 14.675 | 1965 | 1970 | 1977 | rVB | 131746 | 208927 | 11.12% | 1.212% |
| 23 | 15.004 | 2021 | 2026 | 2034 | rVB | 82602 | 125145 | 6.66% | 0.726% |
| 24 | 15.451 | 2098 | 2102 | 2107 | rVB | 51927 | 65560 | 3.49% | 0.380% |
| 25 | 15.657 | 2131 | 2137 | 2142 | rBV | 126037 | 188833 | 10.05% | 1.095% |
| 26 | 15.863 | 2168 | 2172 | 2176 | rVB3 | 28589 | 35940 | 1.91% | 0.208% |
| 27 | 15.951 | 2183 | 2187 | 2194 | rVB3 | 26947 | 47363 | 2.52% | 0.275% |
| 28 | 16.098 | 2206 | 2212 | 2218 | rVB | 197253 | 295904 | 15.75% | 1.717% |
| 29 | 16.316 | 2245 | 2249 | 2251 | rBV | 64214 | 99949 | 5.32% | 0.580% |
| 30 | 16.651 | 2302 | 2306 | 2311 | rVB3 | 53348 | 75888 | 4.04% | 0.440% |
| 31 | 17.104 | 2380 | 2383 | 2387 | rVV | 44379 | 54962 | 2.93% | 0.319% |
| 32 | 17.169 | 2391 | 2394 | 2403 | rVB2 | 64682 | 102842 | 5.47% | 0.597% |
| 33 | 17.357 | 2420 | 2426 | 2430 | rBV | 1267306 | 1878394 | 100.00% | 10.897% |
| 34 | 17.398 | 2430 | 2433 | 2439 | rVB | 813032 | 1058140 | 56.33% | 6.138% |
| 35 | 17.487 | 2444 | 2448 | 2454 | rVB | 200250 | 284357 | 15.14% | 1.650% |
| 36 | 17.757 | 2490 | 2494 | 2500 | rBV | 86483 | 125568 | 6.68% | 0.728% |

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Sample : M2589-15 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** 18-B11(2-4)

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

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Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 17.845 | 2506 | 2509 | 2512 | rBV | 48979 | 62772 | 3.34% | 0.364% |
| 38 | 18.216 | 2570 | 2572 | 2576 | rVB | 67642 | 77522 | 4.13% | 0.450% |
| 39 | 18.263 | 2577 | 2580 | 2585 | rVB | 109995 | 137649 | 7.33% | 0.799% |
| 40 | 18.404 | 2600 | 2604 | 2608 | rBV2 | 131952 | 223210 | 11.88% | 1.295% |
| 41 | 19.351 | 2761 | 2765 | 2770 | rBV | 909802 | 1244586 | 66.26% | 7.220% |
| 42 | 19.675 | 2817 | 2820 | 2822 | rBV3 | 208535 | 268156 | 14.28% | 1.556% |
| 43 | 19.704 | 2822 | 2825 | 2833 | rVB | 774181 | 1035500 | 55.13% | 6.007% |
| 44 | 19.892 | 2854 | 2857 | 2862 | rVB | 643591 | 760446 | 40.48% | 4.411% |
| 45 | 21.322 | 3097 | 3100 | 3104 | rVB | 462795 | 480194 | 25.56% | 2.786% |
| 46 | 21.422 | 3113 | 3117 | 3121 | rBV2 | 1436820 | 1856108 | 98.81% | 10.768% |

Sum of corrected areas: 17237923

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Misc :
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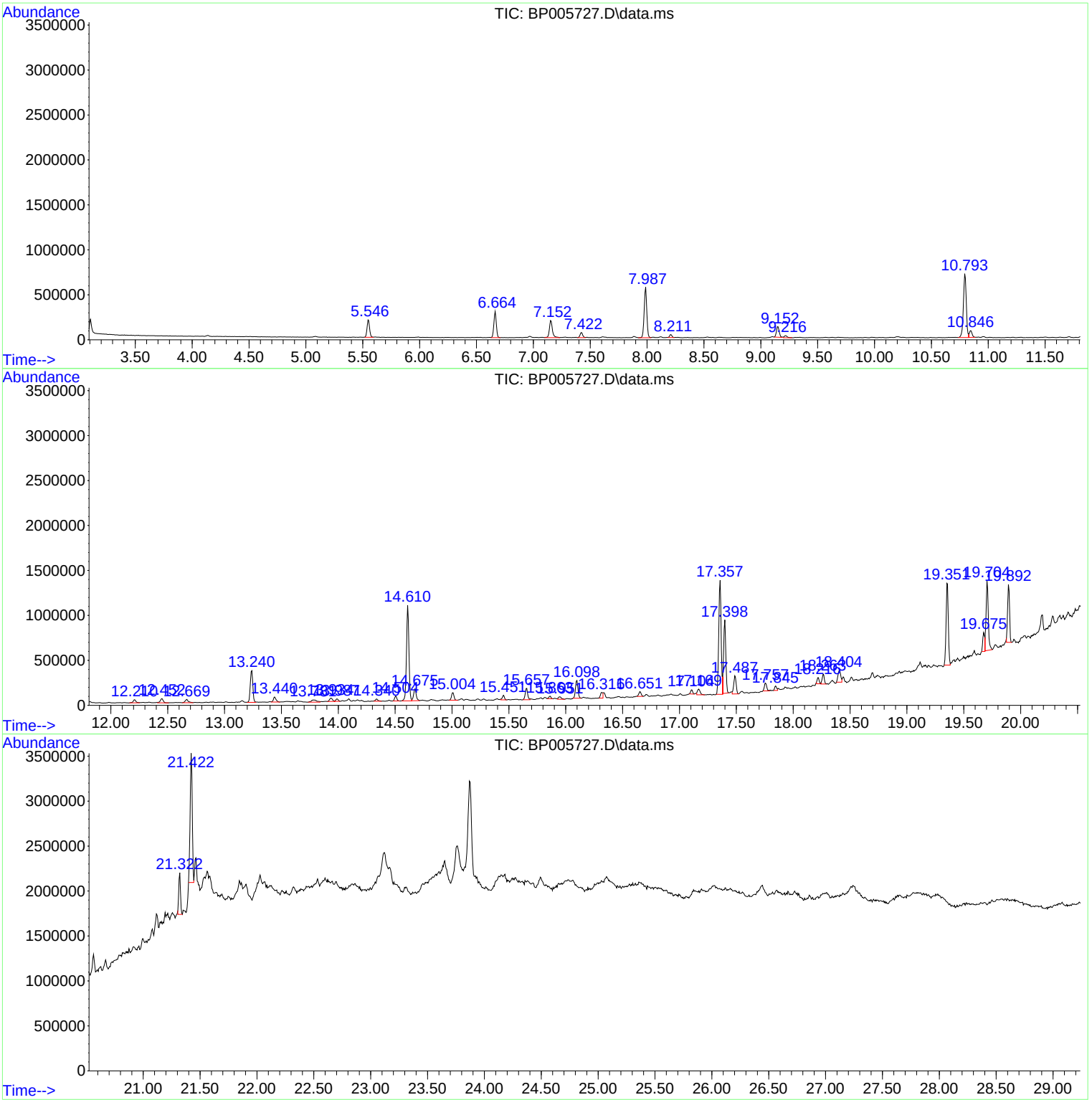
**Instrument :**
BNA_P
**ClientSampleId :**
18-B11(2-4)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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**Instrument :**
BNA_P
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18-B11(2-4)

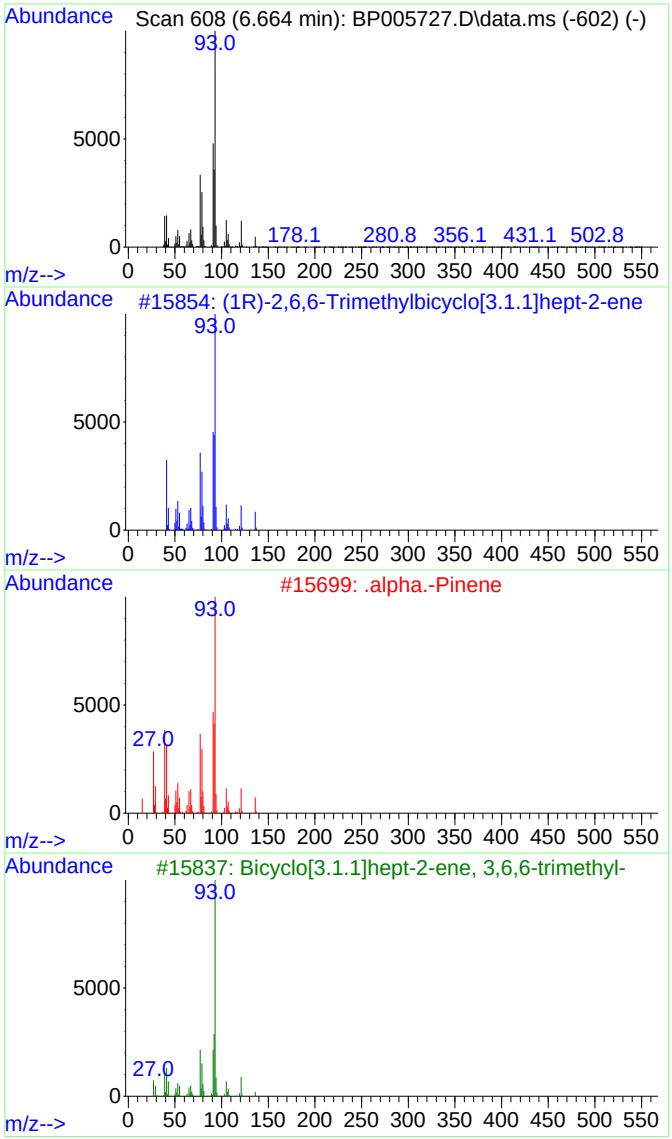
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

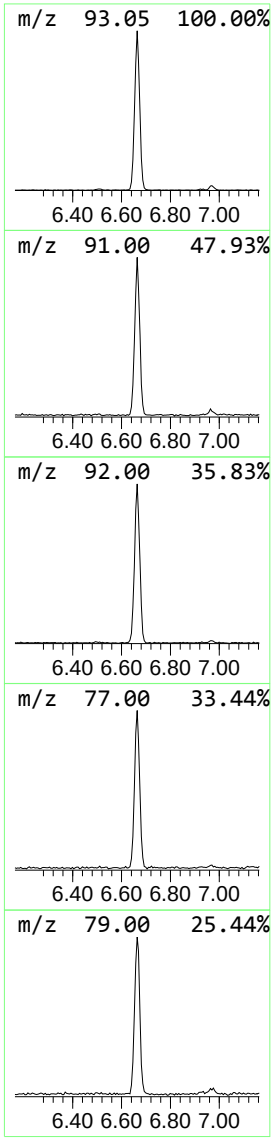
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.664 | 9.67 ng | 432089 | 1,4-Dichlorobenzene-d4 | 7.987 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (1R)-2,6,6-Trimethylbicyclo[3.1.... | 136 | C10H16 | 007785-70-8 | 95 |
| 2 | .alpha.-Pinene | 136 | C10H16 | 000080-56-8 | 95 |
| 3 | Bicyclo[3.1.1]hept-2-ene, 3,6,6-... | 136 | C10H16 | 004889-83-2 | 91 |
| 4 | .gamma.-Terpinene | 136 | C10H16 | 000099-85-4 | 91 |
| 5 | (+)-3-Carene | 136 | C10H16 | 000498-15-7 | 91 |



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**Instrument :**
BNA_P
**ClientSampleId :**
18-B11(2-4)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

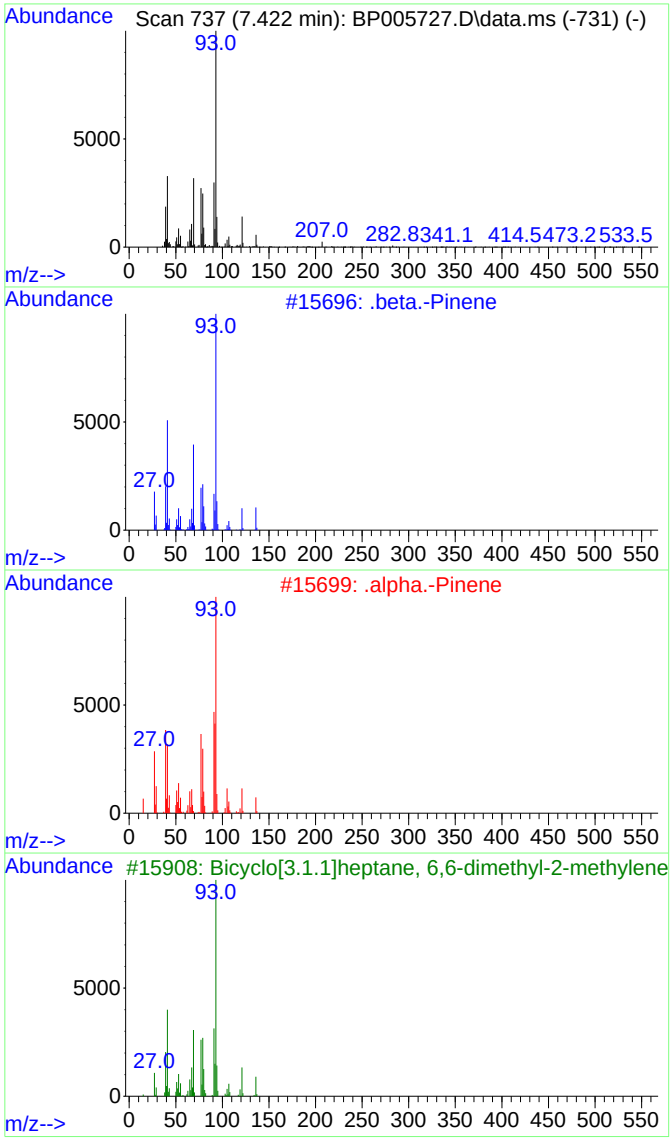
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

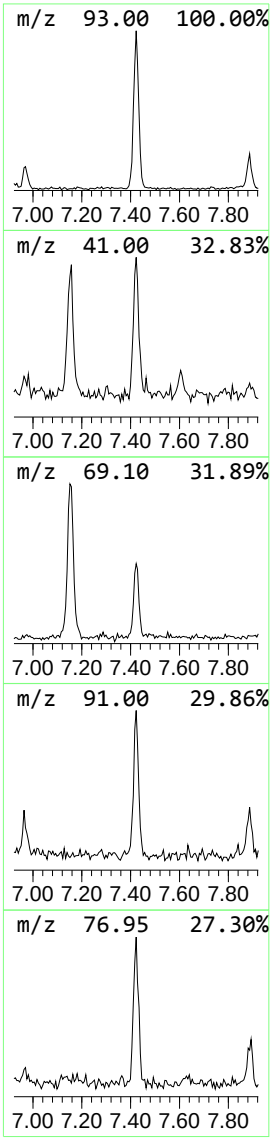
**********

Peak Number 2 .beta.-Pinene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.422 | 2.00 ng | 89467 | 1,4-Dichlorobenzene-d4 | 7.987 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .beta.-Pinene | 136 | C10H16 | 000127-91-3 | 91 |
| 2 | .alpha.-Pinene | 136 | C10H16 | 000080-56-8 | 91 |
| 3 | Bicyclo[3.1.1]heptane, 6,6-dimet... | 136 | C10H16 | 018172-67-3 | 91 |
| 4 | Cyclohexene, 4-methylene-1-(1-me... | 136 | C10H16 | 000099-84-3 | 91 |
| 5 | Tricyclo[2.2.1.0(2,6)]heptane, 1... | 136 | C10H16 | 000508-32-7 | 91 |



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ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
18-B11(2-4)

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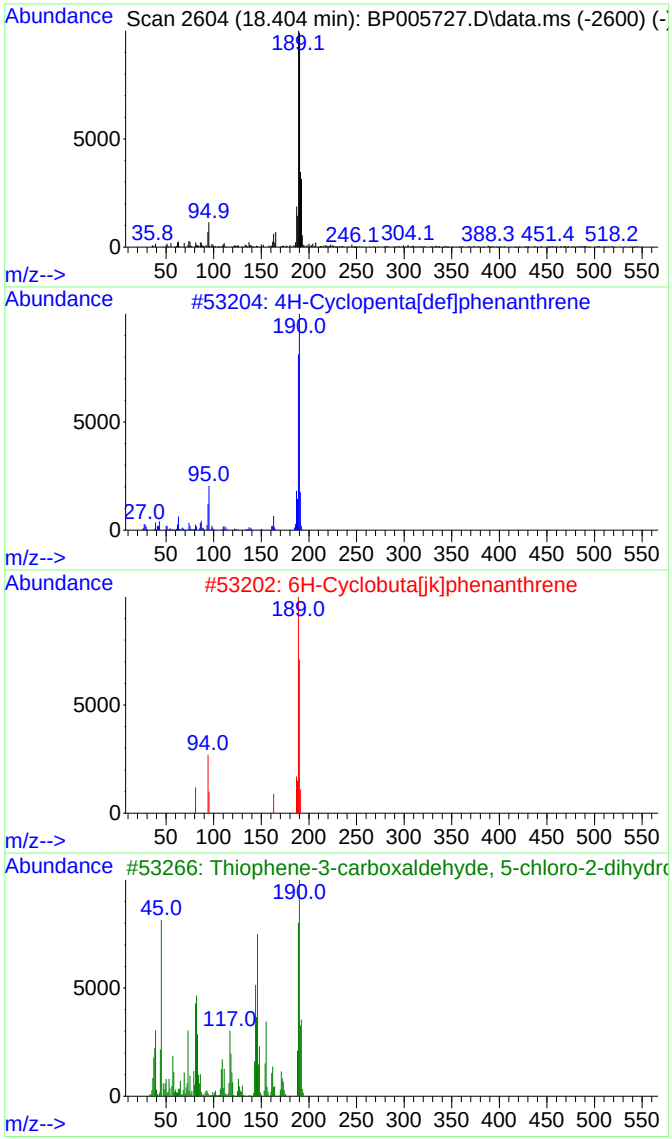
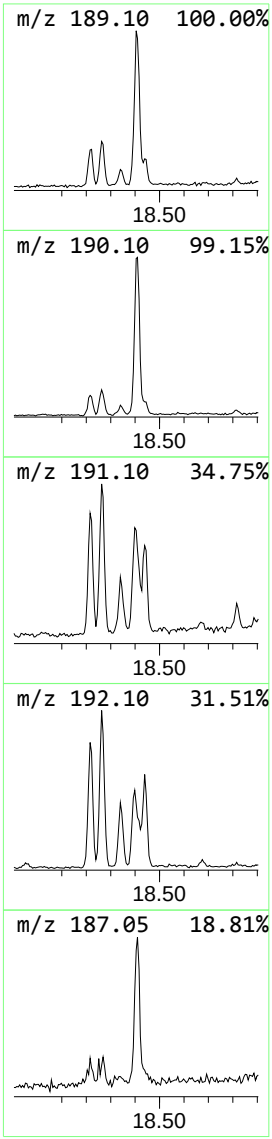
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.404 | 2.38 ng | 223210 | Phenanthrene-d10 | 17.357 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 72 |
| 2 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 64 |
| 3 | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0 | 64 |
| 4 | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2 | 007072-01-7 | 59 |
| 5 | 1-Aminocyclopentanecarboxylic ac... | 375 | C19H34ClNO4 | 1000329-17-1 | 35 |



Tentatively Identified Compound (LSC) summary

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| (1R)-2,6,6-Trim... | 6.664 | 9.7 | ng | 432089 | 1 | 7.987 | 893821 | 20.0 |
| .beta.-Pinene | 7.422 | 2.0 | ng | 89467 | 1 | 7.987 | 893821 | 20.0 |
| 4H-Cyclopenta[d... | 18.404 | 2.4 | ng | 223210 | 4 | 17.357 | 1878390 | 20.0 |