LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\
Data File : BF095318.D
Acq On : 22 May 2017 17:22
Operator : SJ/MA
Sample : I3157-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** FLOOR-B

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:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.131 | 539 | 543 | 560 | rBV | 143469 | 356686 | 11.82% | 1.541% |
| 2 | 5.725 | 640 | 644 | 682 | rBV | 1044224 | 2373340 | 78.62% | 10.255% |
| 3 | 7.301 | 908 | 912 | 928 | rBV | 1343199 | 2209361 | 73.19% | 9.547% |
| 4 | 7.425 | 928 | 933 | 943 | rVB | 1592134 | 2544086 | 84.27% | 10.993% |
| 5 | 7.760 | 986 | 990 | 1001 | rVB | 371909 | 446629 | 14.79% | 1.930% |
| 6 | 7.995 | 1025 | 1030 | 1045 | rBV | 1598748 | 1959285 | 64.90% | 8.466% |
| 7 | 8.660 | 1139 | 1143 | 1165 | rBV | 809651 | 1408664 | 46.66% | 6.087% |
| 8 | 9.783 | 1330 | 1334 | 1363 | rBV | 335116 | 644146 | 21.34% | 2.783% |
| 9 | 11.548 | 1628 | 1634 | 1660 | rBV | 2006701 | 3018866 | 100.00% | 13.045% |
| 10 | 12.248 | 1749 | 1753 | 1768 | rBV | 183581 | 330045 | 10.93% | 1.426% |
| 11 | 12.613 | 1810 | 1815 | 1834 | rBV2 | 467269 | 769103 | 25.48% | 3.323% |
| 12 | 13.442 | 1948 | 1956 | 1961 | rBV | 30468 | 38186 | 1.26% | 0.165% |
| 13 | 13.907 | 2029 | 2035 | 2056 | rBV | 920054 | 1685050 | 55.82% | 7.281% |
| 14 | 14.213 | 2083 | 2087 | 2090 | rBV2 | 26540 | 33730 | 1.12% | 0.146% |
| 15 | 15.013 | 2218 | 2223 | 2228 | rBV | 464367 | 702271 | 23.26% | 3.035% |
| 16 | 15.160 | 2244 | 2248 | 2258 | rVB2 | 17977 | 32086 | 1.06% | 0.139% |
| 17 | 15.960 | 2375 | 2384 | 2388 | rBV3 | 32297 | 69889 | 2.32% | 0.302% |
| 18 | 16.801 | 2523 | 2527 | 2537 | rBV | 118600 | 176572 | 5.85% | 0.763% |
| 19 | 17.107 | 2574 | 2579 | 2588 | rBV | 132534 | 187825 | 6.22% | 0.812% |
| 20 | 17.330 | 2612 | 2617 | 2630 | rBV2 | 2255637 | 2767239 | 91.66% | 11.957% |
| 21 | 18.583 | 2821 | 2830 | 2837 | rBV6 | 19176 | 59315 | 1.96% | 0.256% |
| 22 | 18.683 | 2842 | 2847 | 2867 | rVB | 441057 | 761549 | 25.23% | 3.291% |
| 23 | 19.971 | 3062 | 3066 | 3069 | rBV | 31205 | 46317 | 1.53% | 0.200% |
| 24 | 20.312 | 3121 | 3124 | 3128 | rVV | 26854 | 30466 | 1.01% | 0.132% |
| 25 | 20.359 | 3128 | 3132 | 3141 | rVV | 247232 | 430221 | 14.25% | 1.859% |
| 26 | 20.424 | 3141 | 3143 | 3149 | rVB5 | 24245 | 31496 | 1.04% | 0.136% |
| 27 | 21.741 | 3360 | 3367 | 3373 | rBV6 | 14292 | 30200 | 1.00% | 0.130% |

Sum of corrected areas: 23142623

LSC Report - Integrated Chromatogram

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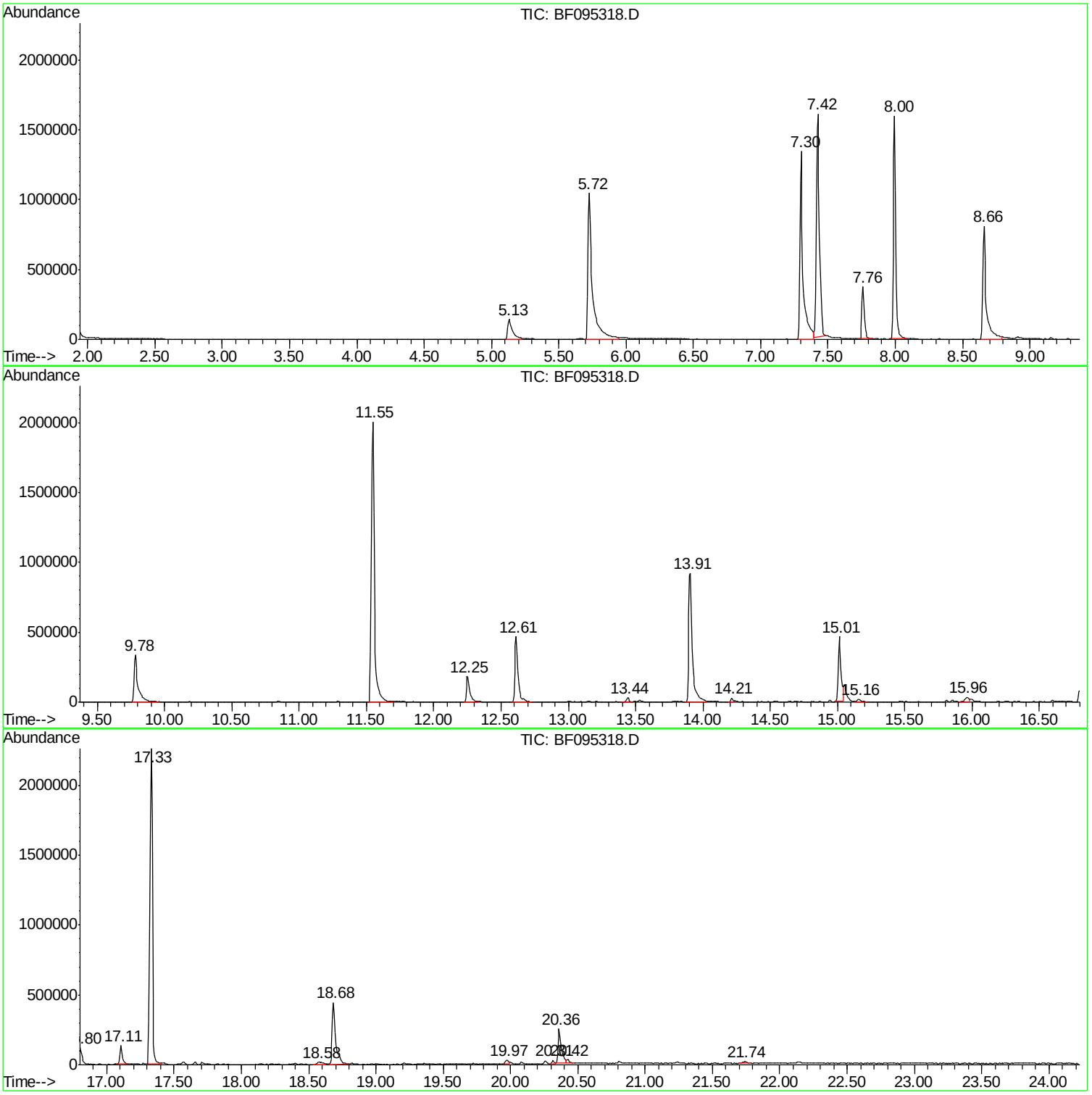
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** FLOOR-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\
Data File : BF095318.D
Acq On : 22 May 2017 17:22
Operator : SJ/MA
Sample : I3157-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** FLOOR-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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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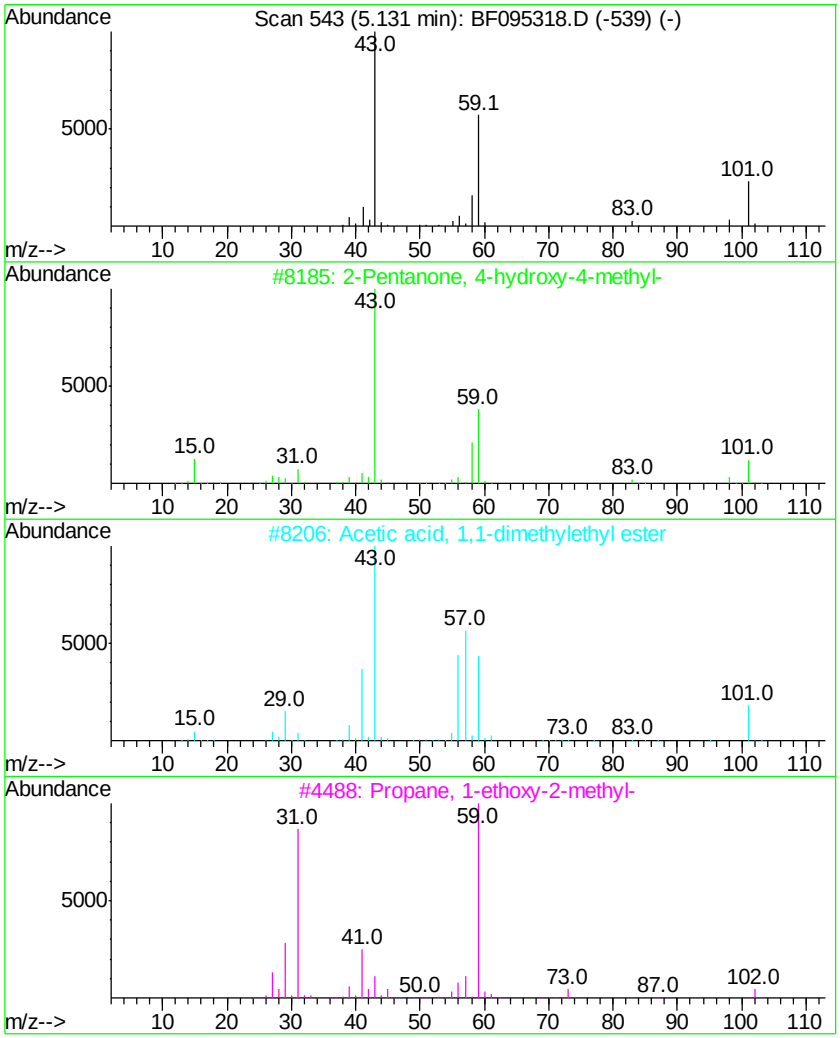
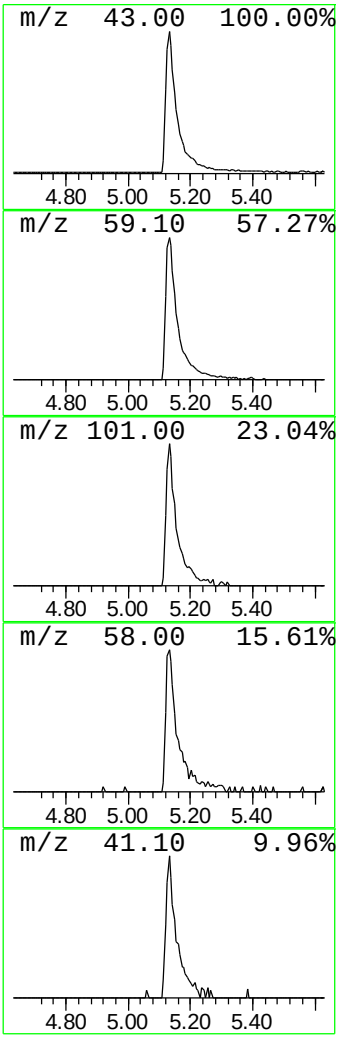
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.13 | 15.97 ng | 356686 | 1,4-Dichlorobenzene-d4 | 7.76 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56 |
| 2 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39 |
| 3 | Propane, 1-ethoxy-2-methyl- | 102 | C6H14O | 000627-02-1 | 25 |
| 4 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25 |
| 5 | Butane, 1-ethoxy- | 102 | C6H14O | 000628-81-9 | 9 |



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Operator : SJ/MA
Sample : I3157-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** FLOOR-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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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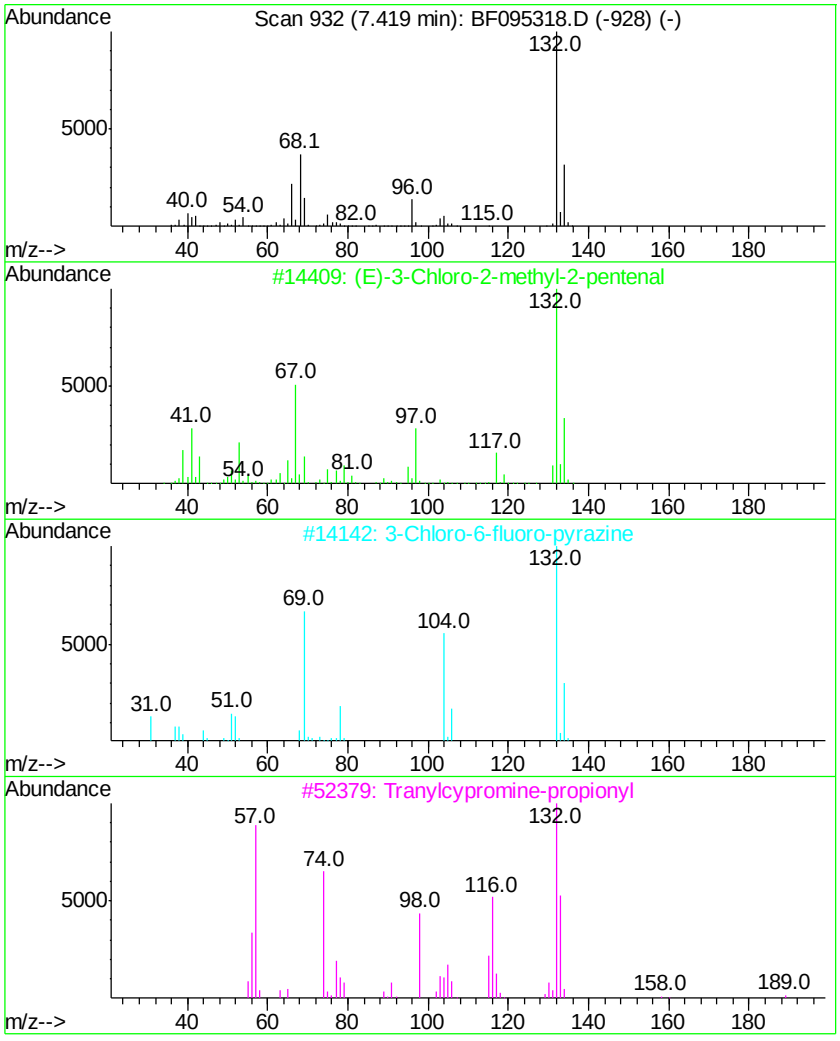
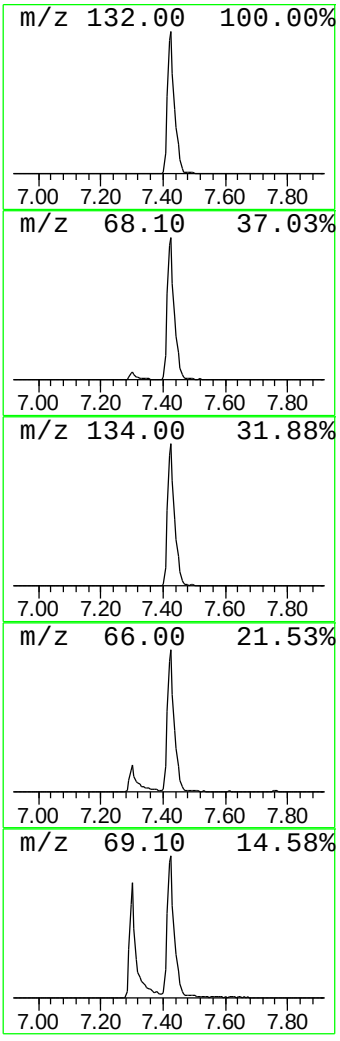
Peak Number 2 unknown7.42 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.42 | 113.92 ng | 2544090 | 1,4-Dichlorobenzene-d4 | 7.76 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 35 |
| 2 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 25 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 4 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 5 | Xenon | 132 | Xe | 007440-63-3 | 9 |



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ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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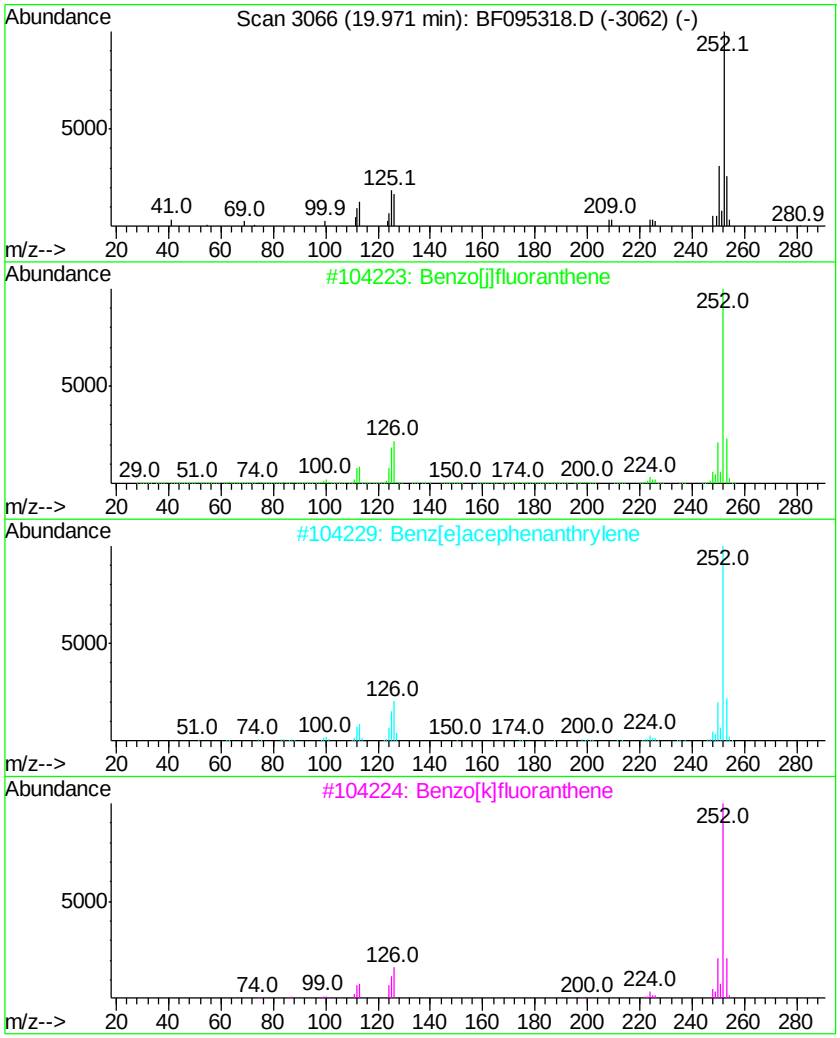
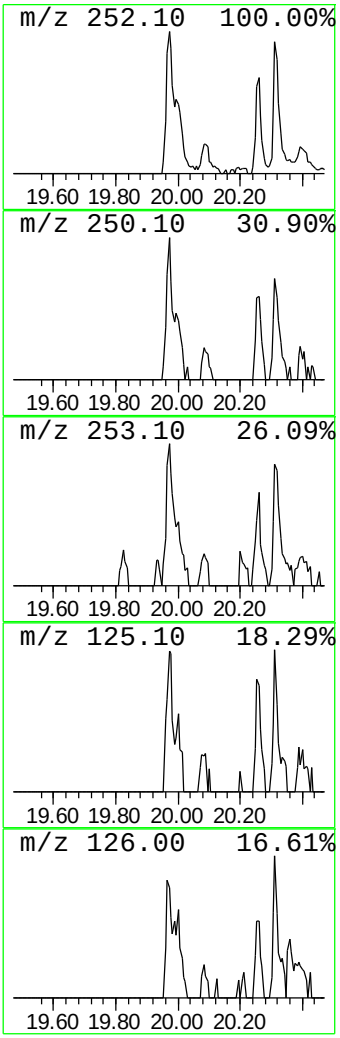
Peak Number 4 Benzo[j]fluoranthene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.97 | 2.15 ng | 46317 | Perylene-d12 | 20.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 95 |
| 2 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 95 |
| 3 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 95 |
| 4 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 94 |
| 5 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 90 |



Tentatively Identified Compound (LSC) summary

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**Instrument :** BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Pentanone, 4-hy... | 5.13 | 16.0 | ng | 356686 | 1 | 7.76 | 446629 | 20.0 |
| unknown7.42 | 7.42 | 113.9 | ng | 2544090 | 1 | 7.76 | 446629 | 20.0 |
| Benzo[j]fluoranthene | 19.97 | 2.1 | ng | 46317 | 6 | 20.36 | 430221 | 20.0 |