LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107688.D
Acq On : 26 Jul 2018 6:23
Operator : JU/SJ
Sample : J4133-05
Misc :
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 072318-DBRI-F-U-M

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-BF072018.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 | 5.596 | 550 | 554 | 579 | rBV | 1006466 | 1556365 | 26.52% | 4.766% |
| 2 | 6.595 | 721 | 724 | 744 | rBV | 631673 | 1200225 | 20.45% | 3.676% |
| 3 | 6.737 | 744 | 748 | 772 | rVB | 2741516 | 3132151 | 53.36% | 9.592% |
| 4 | 6.966 | 784 | 787 | 794 | rBV | 851141 | 1008126 | 17.18% | 3.087% |
| 5 | 7.125 | 809 | 814 | 841 | rBV | 4076892 | 4526466 | 77.12% | 13.862% |
| 6 | 7.537 | 879 | 884 | 908 | rBV | 2678925 | 3580479 | 61.00% | 10.965% |
| 7 | 8.248 | 1001 | 1005 | 1022 | rBV | 1151898 | 1339537 | 22.82% | 4.102% |
| 8 | 9.325 | 1183 | 1188 | 1219 | rBV | 5297594 | 5869578 | 100.00% | 17.976% |
| 9 | 9.713 | 1251 | 1254 | 1260 | rBV | 68327 | 71219 | 1.21% | 0.218% |
| 10 | 10.007 | 1301 | 1304 | 1325 | rVB | 1269283 | 1255785 | 21.39% | 3.846% |
| 11 | 10.666 | 1413 | 1416 | 1424 | rBV | 284282 | 237936 | 4.05% | 0.729% |
| 12 | 10.801 | 1435 | 1439 | 1453 | rBV | 1837347 | 2065701 | 35.19% | 6.326% |
| 13 | 11.501 | 1554 | 1558 | 1567 | rBV | 1032016 | 1106119 | 18.84% | 3.388% |
| 14 | 13.089 | 1823 | 1828 | 1846 | rBV | 3380035 | 3623023 | 61.73% | 11.096% |
| 15 | 13.977 | 1974 | 1979 | 1988 | rBV4 | 29816 | 64191 | 1.09% | 0.197% |
| 16 | 14.154 | 2005 | 2009 | 2019 | rBV | 900569 | 974057 | 16.60% | 2.983% |
| 17 | 15.265 | 2194 | 2198 | 2201 | rVB | 58616 | 66869 | 1.14% | 0.205% |
| 18 | 15.689 | 2263 | 2270 | 2287 | rVB | 533190 | 901268 | 15.35% | 2.760% |
| 19 | 16.130 | 2341 | 2345 | 2351 | rBV2 | 50431 | 73741 | 1.26% | 0.226% |

Sum of corrected areas: 32652836

LSC Report - Integrated Chromatogram

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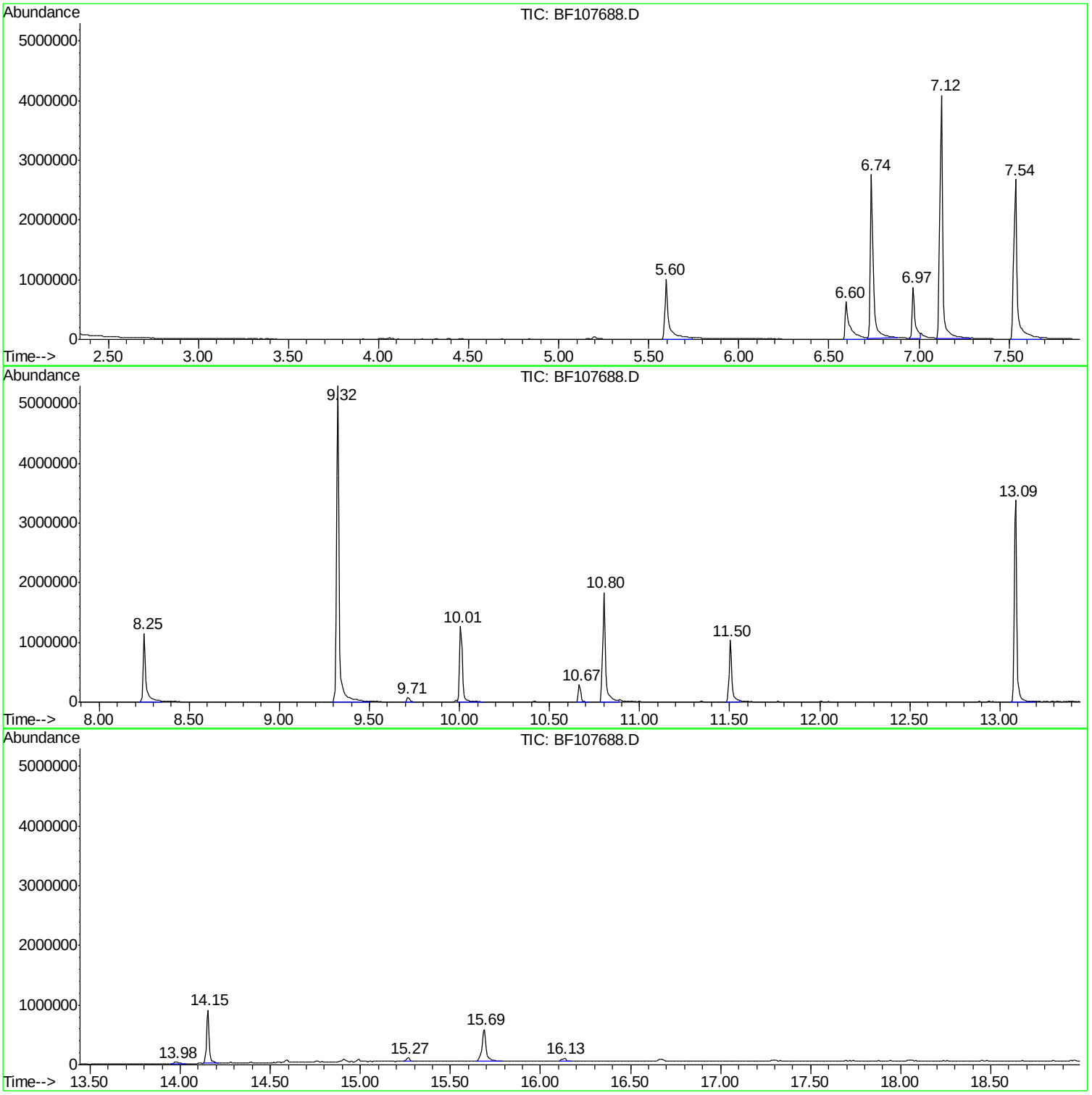
**ClientSampleId :** 072318-DBRI-F-U-M

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107688.D
Acq On : 26 Jul 2018 6:23
Operator : JU/SJ
Sample : J4133-05
Misc :
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 072318-DBRI-F-U-M

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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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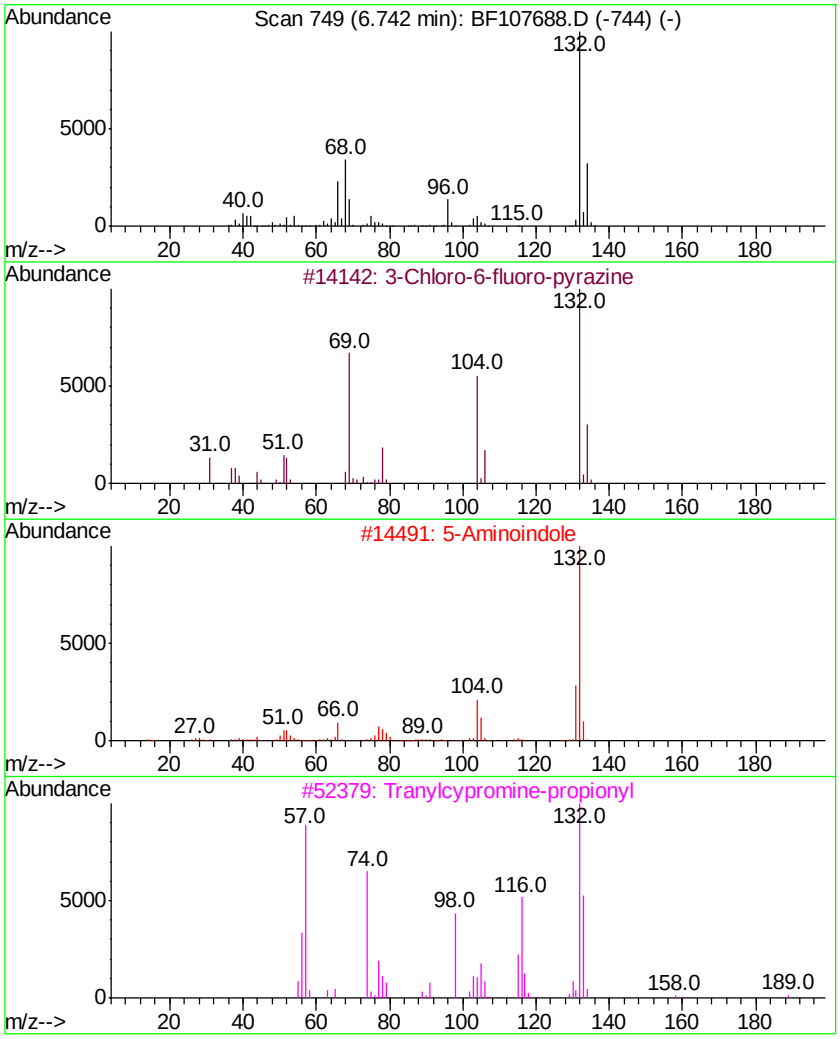
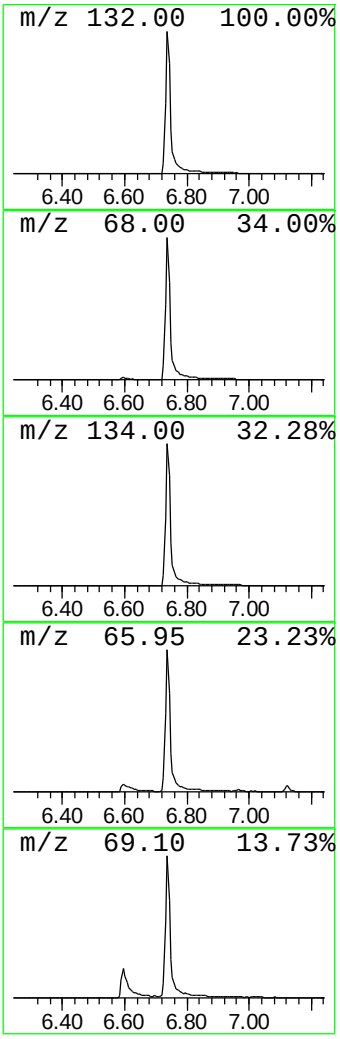
Peak Number 1 unknown6.74 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.74 | 62.14 ng | 3132150 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 4 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 5 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 9 |



Library Search Compound Report

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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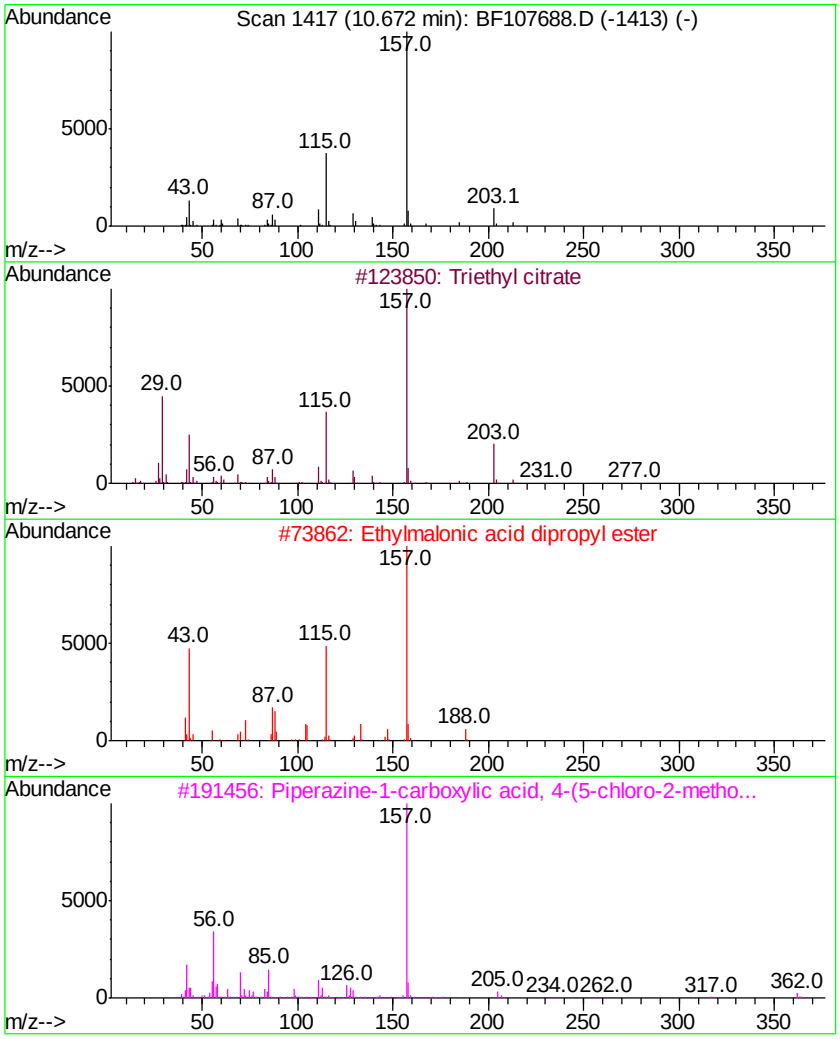
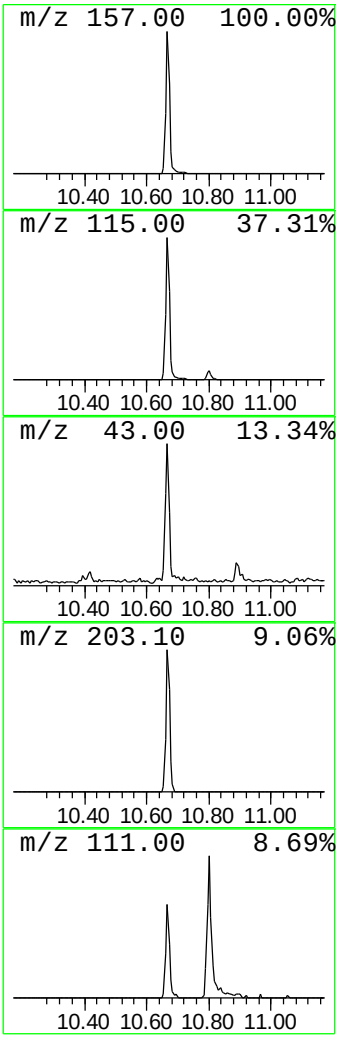
Peak Number 3 Triethyl citrate Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.67 | 3.79 ng | 237936 | Acenaphthene-d10 | 10.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Triethyl citrate | 276 | C12H20O7 | 000077-93-0 | 91 |
| 2 | Ethylmalonic acid dipropyl ester | 216 | C11H20O4 | 001113-91-3 | 50 |
| 3 | Piperazine-1-carboxylic acid, 4-... | 362 | C14H19ClN2O5S | 1000303-80-2 | 42 |
| 4 | Quinoline, 4,8-dimethyl- | 157 | C11H11N | 013362-80-6 | 40 |
| 5 | 3-Chloro2-fluorobenzoic acid, 3-... | 370 | C21H32ClFO2 | 1000338-64-6 | 36 |



Tentatively Identified Compound (LSC) summary

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ALS Vial : 39 Sample Multiplier: 1

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
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 |
| unknown6.74 | 6.74 | 62.1 | ng | 3132150 | 1 | 6.97 | 1008130 | 20.0 |
| Triethyl citrate | 10.67 | 3.8 | ng | 237936 | 3 | 10.01 | 1255790 | 20.0 |