LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081518\
Data File : BF108189.D
Acq On : 16 Aug 2018 2:08
Operator : JU/SJ
Sample : J4440-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 080918-TIPC-F-U-S

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-BF080818.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 | 2.372 | 3 | 6 | 24 | rVB | 1649949 | 2196335 | 30.68% | 5.206% |
| 2 | 5.248 | 492 | 495 | 504 | rVB | 79267 | 84156 | 1.18% | 0.199% |
| 3 | 5.636 | 557 | 561 | 564 | rBV | 2211943 | 1884338 | 26.32% | 4.467% |
| 4 | 6.625 | 725 | 729 | 732 | rBV | 1576874 | 1256781 | 17.55% | 2.979% |
| 5 | 6.783 | 751 | 756 | 759 | rBV | 3908346 | 3561513 | 49.74% | 8.442% |
| 6 | 7.013 | 791 | 795 | 799 | rBV | 1546165 | 1308343 | 18.27% | 3.101% |
| 7 | 7.172 | 817 | 822 | 826 | rBV | 4978476 | 4829843 | 67.46% | 11.449% |
| 8 | 7.577 | 885 | 891 | 894 | rBV | 3743983 | 4308187 | 60.17% | 10.212% |
| 9 | 8.295 | 1009 | 1013 | 1017 | rBV | 1710035 | 1628412 | 22.74% | 3.860% |
| 10 | 9.377 | 1190 | 1197 | 1200 | rBV | 6851184 | 7159895 | 100.00% | 16.972% |
| 11 | 9.760 | 1258 | 1262 | 1267 | rBV | 480836 | 388443 | 5.43% | 0.921% |
| 12 | 10.060 | 1309 | 1313 | 1317 | rVB2 | 1929992 | 1724905 | 24.09% | 4.089% |
| 13 | 10.465 | 1380 | 1382 | 1386 | rVB2 | 82684 | 73183 | 1.02% | 0.173% |
| 14 | 10.718 | 1422 | 1425 | 1428 | rBV | 220422 | 166100 | 2.32% | 0.394% |
| 15 | 10.854 | 1443 | 1448 | 1457 | rBV | 2422536 | 2363582 | 33.01% | 5.603% |
| 16 | 10.942 | 1460 | 1463 | 1470 | rVB2 | 82177 | 96512 | 1.35% | 0.229% |
| 17 | 11.554 | 1563 | 1567 | 1571 | rBV | 1690150 | 1500979 | 20.96% | 3.558% |
| 18 | 13.142 | 1832 | 1837 | 1841 | rBV | 4676299 | 4518794 | 63.11% | 10.712% |
| 19 | 14.042 | 1985 | 1990 | 2005 | rBV2 | 107030 | 280879 | 3.92% | 0.666% |
| 20 | 14.206 | 2014 | 2018 | 2022 | rBV | 1363372 | 1191100 | 16.64% | 2.823% |
| 21 | 15.342 | 2206 | 2211 | 2216 | rBV | 81830 | 101972 | 1.42% | 0.242% |
| 22 | 15.771 | 2277 | 2284 | 2290 | rBV | 876937 | 1266794 | 17.69% | 3.003% |
| 23 | 16.236 | 2358 | 2363 | 2368 | rVB2 | 77573 | 120890 | 1.69% | 0.287% |
| 24 | 16.794 | 2453 | 2458 | 2463 | rVB | 59712 | 101318 | 1.42% | 0.240% |
| 25 | 17.447 | 2564 | 2569 | 2577 | rVB3 | 35275 | 72746 | 1.02% | 0.172% |

Sum of corrected areas: 42186000

LSC Report - Integrated Chromatogram

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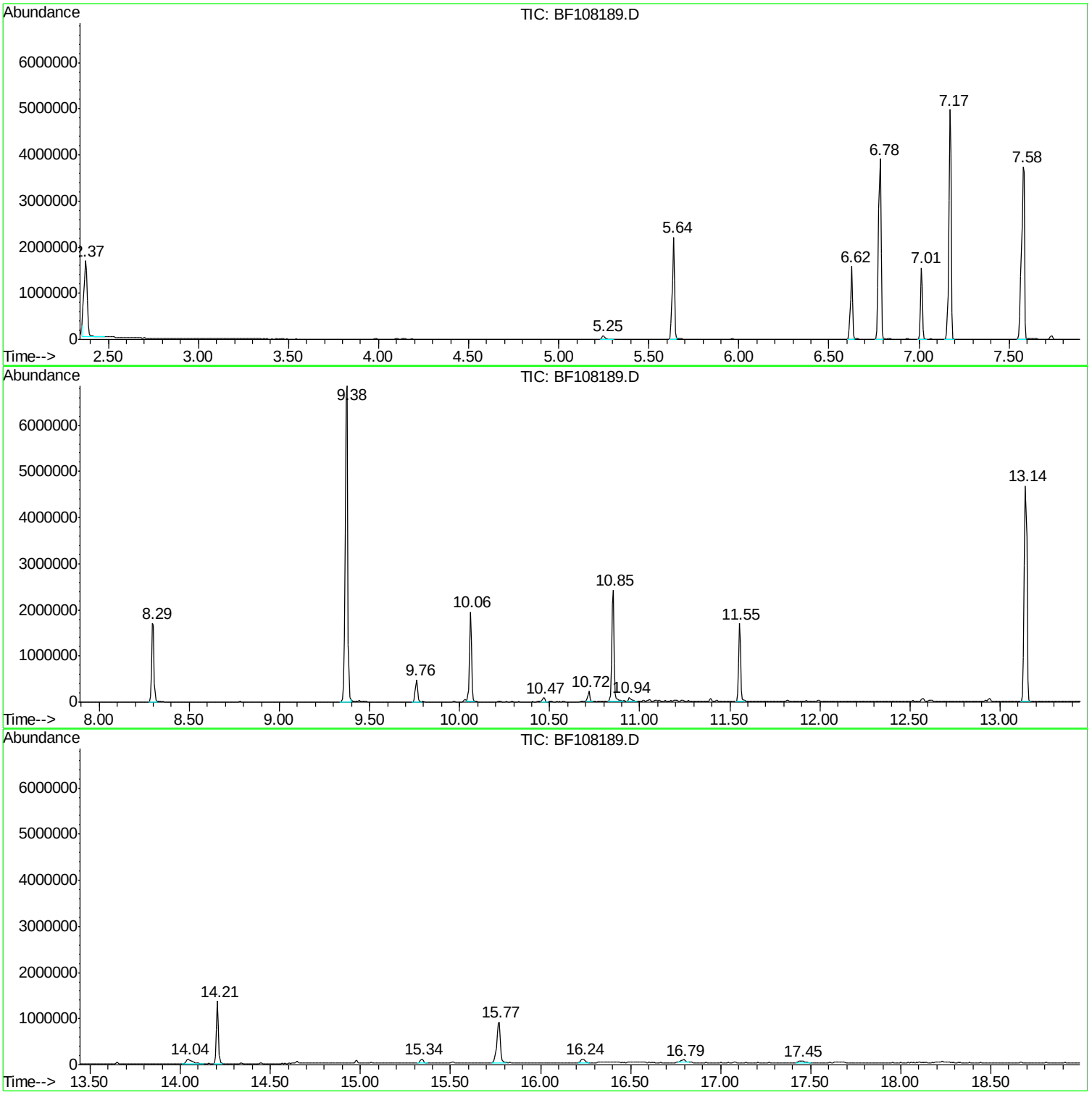
Sample : J4440-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 080918-TIPC-F-U-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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\BF081518\
Data File : BF108189.D
Acq On : 16 Aug 2018 2:08
Operator : JU/SJ
Sample : J4440-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 080918-TIPC-F-U-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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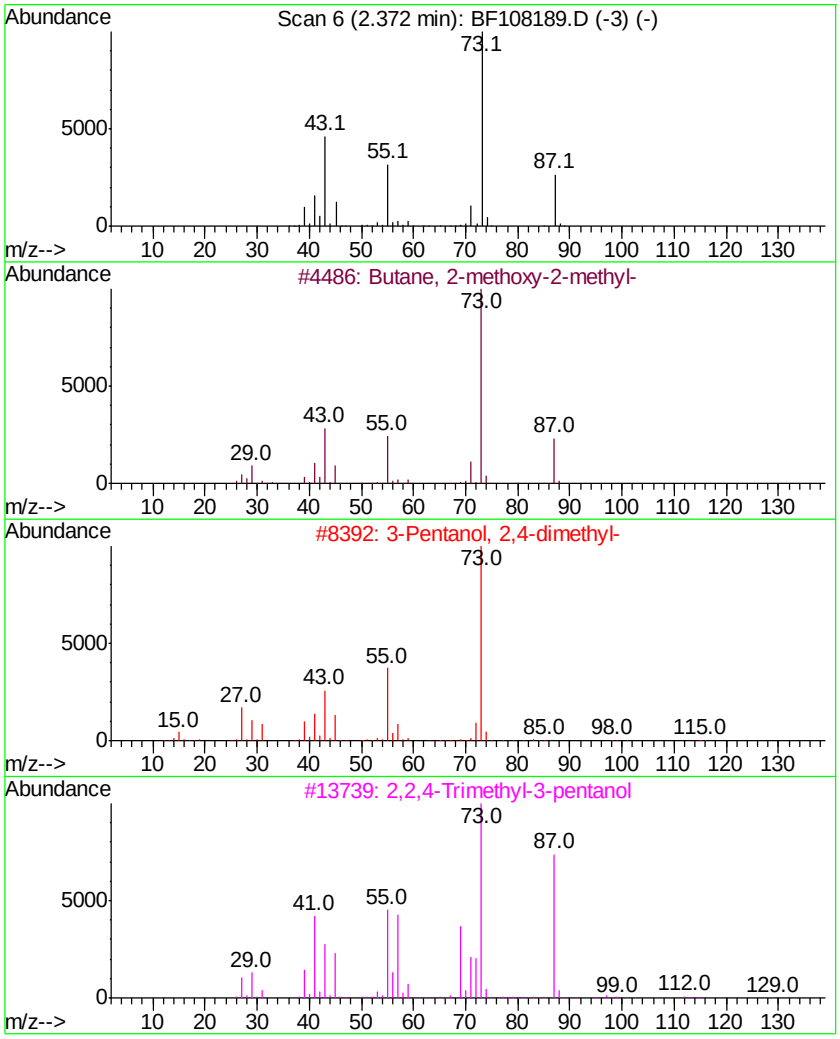
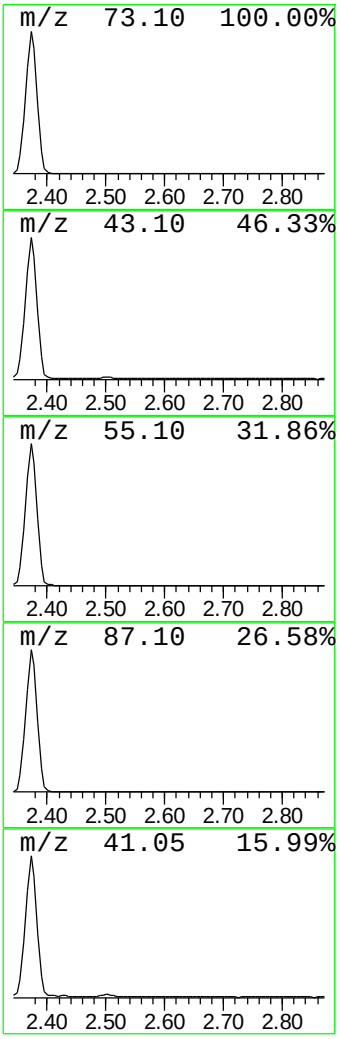
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.37 | 33.57 ng | 2196340 | 1,4-Dichlorobenzene-d4 | 7.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | 3-Pentanol, 2,4-dimethyl- | 116 | C7H16O | 000600-36-2 | 43 |
| 3 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 40 |
| 4 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 38 |
| 5 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 23 |



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Operator : JU/SJ
Sample : J4440-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 080918-TIPC-F-U-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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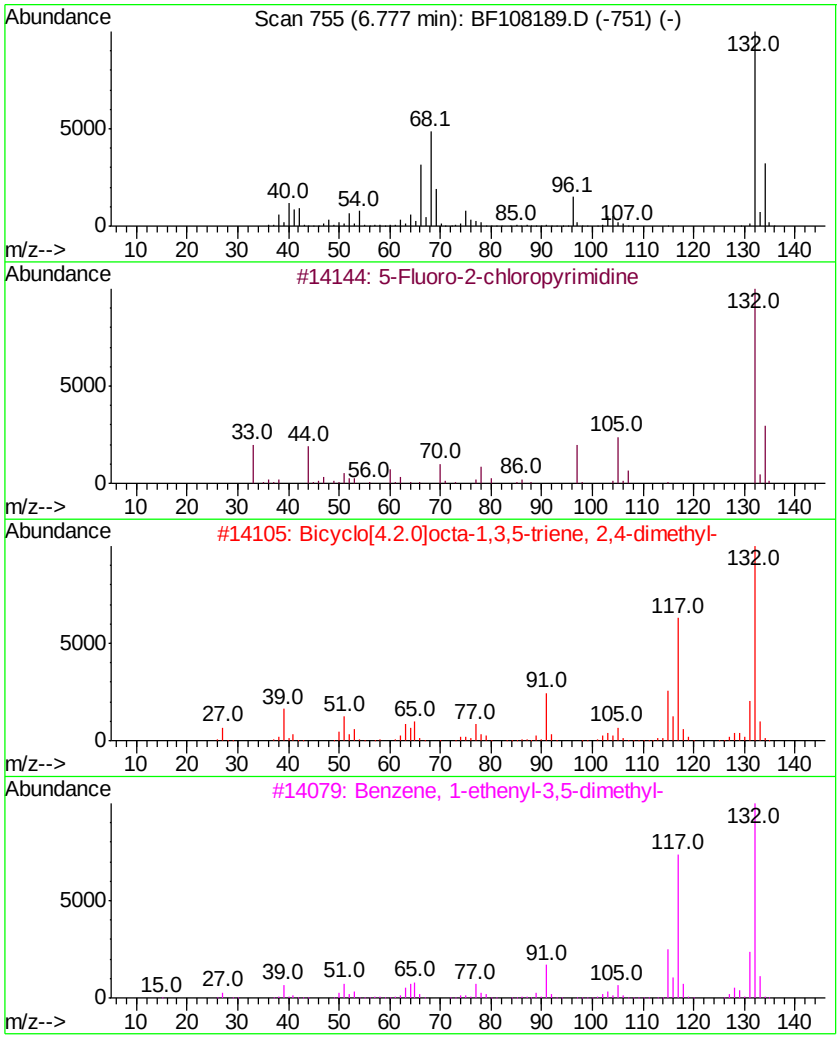
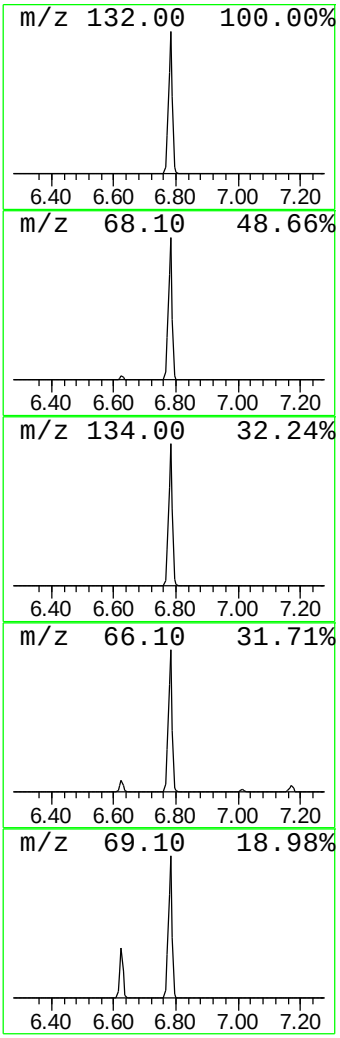
Peak Number 2 unknown6.78 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.78 | 54.44 ng | 3561510 | 1,4-Dichlorobenzene-d4 | 7.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 16 |
| 2 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 3 | Benzene, 1-ethenyl-3,5-dimethyl- | 132 | C10H12 | 005379-20-4 | 9 |
| 4 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 9 |
| 5 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 9 |



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Data File : BF108189.D
Acq On : 16 Aug 2018 2:08
Operator : JU/SJ
Sample : J4440-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 080918-TIPC-F-U-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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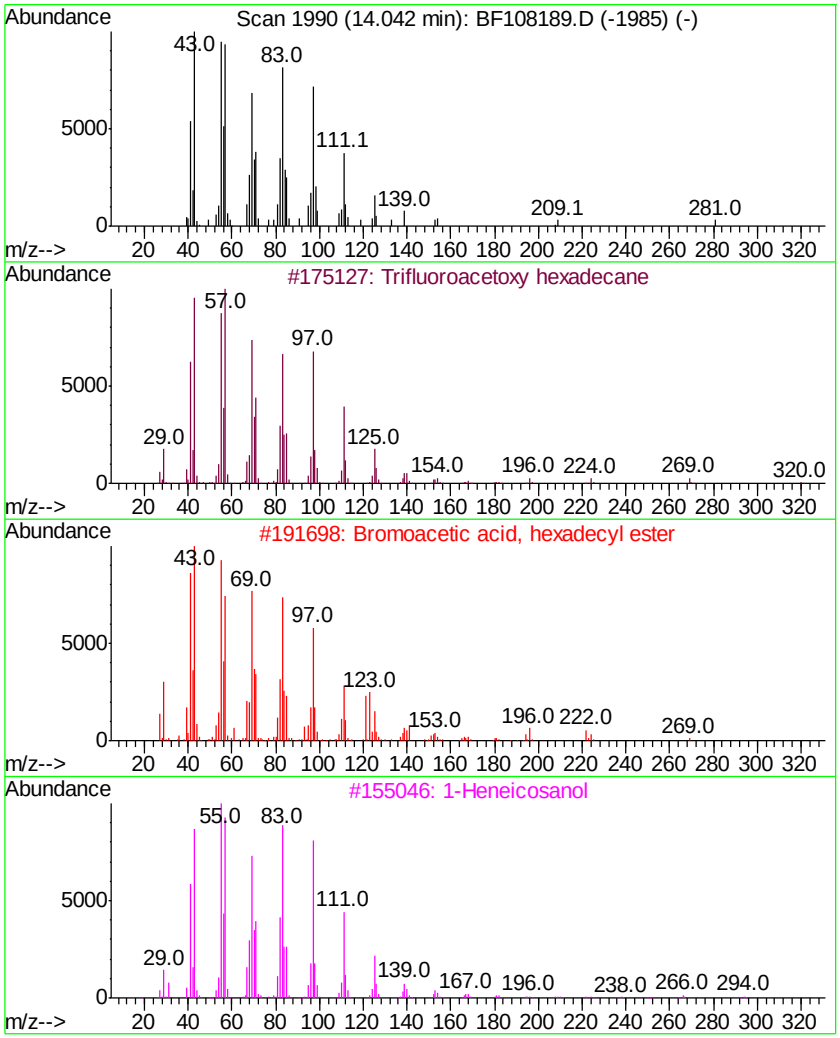
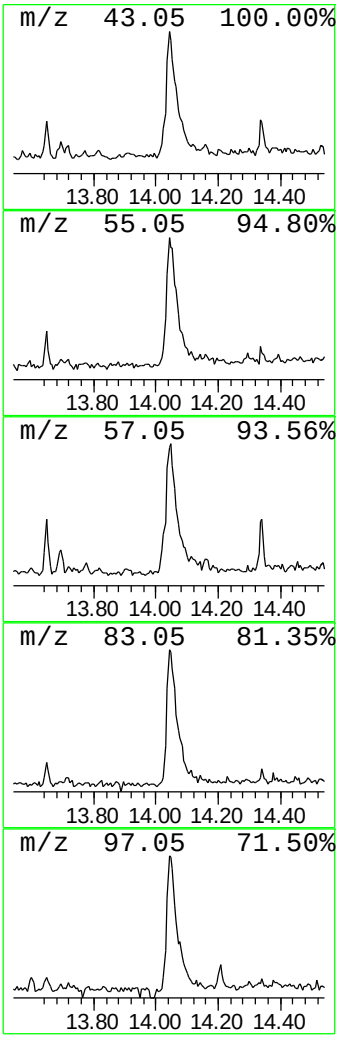
Peak Number 4 Trifluoroacetoxy hexadecane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.04 | 4.72 ng | 280879 | Chrysene-d12 | 14.21 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 94 |
| 2 | Bromoacetic acid, hexadecyl ester | 362 | C18H35BrO2 | 005454-48-8 | 94 |
| 3 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 93 |
| 4 | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 93 |
| 5 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081518\
Data File : BF108189.D
Acq On : 16 Aug 2018 2:08
Operator : JU/SJ
Sample : J4440-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 080918-TIPC-F-U-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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 |
| Butane, 2-methoxy... | 2.37 | 33.6 | ng | 2196340 | 1 | 7.01 | 1308340 | 20.0 |
| unknown6.78 | 6.78 | 54.4 | ng | 3561510 | 1 | 7.01 | 1308340 | 20.0 |
| Trifluoroacetoxy ... | 14.04 | 4.7 | ng | 280879 | 5 | 14.21 | 1191100 | 20.0 |