LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010716\
Data File : BF084318.D
Acq On : 8 Jan 2016 00:38
Operator : SJ/UM
Sample : H1028-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SW005

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-BF123115.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 | 5.058 | 257 | 260 | 267 | rVB | 1523500 | 2365406 | 29.09% | 3.250% |
| 2 | 5.481 | 294 | 297 | 299 | rBV | 7206640 | 7781336 | 95.71% | 10.693% |
| 3 | 6.510 | 384 | 387 | 390 | rVB | 5748531 | 7799131 | 95.93% | 10.717% |
| 4 | 6.636 | 395 | 398 | 401 | rBV | 6232527 | 7615342 | 93.67% | 10.465% |
| 5 | 6.864 | 416 | 418 | 421 | rVB | 1921108 | 1565152 | 19.25% | 2.151% |
| 6 | 7.024 | 429 | 432 | 434 | rBV | 6777850 | 5930257 | 72.94% | 8.149% |
| 7 | 7.436 | 465 | 468 | 470 | rBV | 5133135 | 5501699 | 67.67% | 7.560% |
| 8 | 8.156 | 528 | 531 | 533 | rBV | 2145216 | 2125213 | 26.14% | 2.920% |
| 9 | 9.230 | 622 | 625 | 628 | rBV | 8407741 | 8130234 | 100.00% | 11.172% |
| 10 | 9.619 | 657 | 659 | 662 | rBV | 719345 | 996888 | 12.26% | 1.370% |
| 11 | 9.905 | 682 | 684 | 687 | rVB | 2502886 | 2241242 | 27.57% | 3.080% |
| 12 | 10.339 | 718 | 722 | 724 | rBV2 | 141070 | 151851 | 1.87% | 0.209% |
| 13 | 10.556 | 738 | 741 | 745 | rBV | 51679 | 100396 | 1.23% | 0.138% |
| 14 | 10.693 | 750 | 753 | 756 | rBV2 | 4464129 | 5493453 | 67.57% | 7.549% |
| 15 | 10.808 | 762 | 763 | 770 | rVB | 156929 | 297524 | 3.66% | 0.409% |
| 16 | 11.265 | 801 | 803 | 804 | rBV | 135467 | 142646 | 1.75% | 0.196% |
| 17 | 11.390 | 812 | 814 | 816 | rBV | 2563993 | 2244977 | 27.61% | 3.085% |
| 18 | 11.448 | 816 | 819 | 823 | rVB | 40792 | 85201 | 1.05% | 0.117% |
| 19 | 12.979 | 950 | 953 | 956 | rBV | 7267529 | 7480527 | 92.01% | 10.280% |
| 20 | 13.882 | 1029 | 1032 | 1042 | rBV | 267641 | 492491 | 6.06% | 0.677% |
| 21 | 14.019 | 1042 | 1044 | 1047 | rBV2 | 1620408 | 1847216 | 22.72% | 2.538% |
| 22 | 15.448 | 1167 | 1169 | 1172 | rBV | 916076 | 1392662 | 17.13% | 1.914% |
| 23 | 16.134 | 1224 | 1229 | 1240 | rVB | 121823 | 495827 | 6.10% | 0.681% |
| 24 | 16.968 | 1298 | 1302 | 1309 | rBV | 44277 | 96503 | 1.19% | 0.133% |
| 25 | 17.643 | 1357 | 1361 | 1365 | rBV | 46390 | 116682 | 1.44% | 0.160% |
| 26 | 18.431 | 1425 | 1430 | 1437 | rBV | 47663 | 147972 | 1.82% | 0.203% |
| 27 | 19.380 | 1508 | 1513 | 1519 | rBV2 | 38103 | 132795 | 1.63% | 0.182% |

Sum of corrected areas: 72770623

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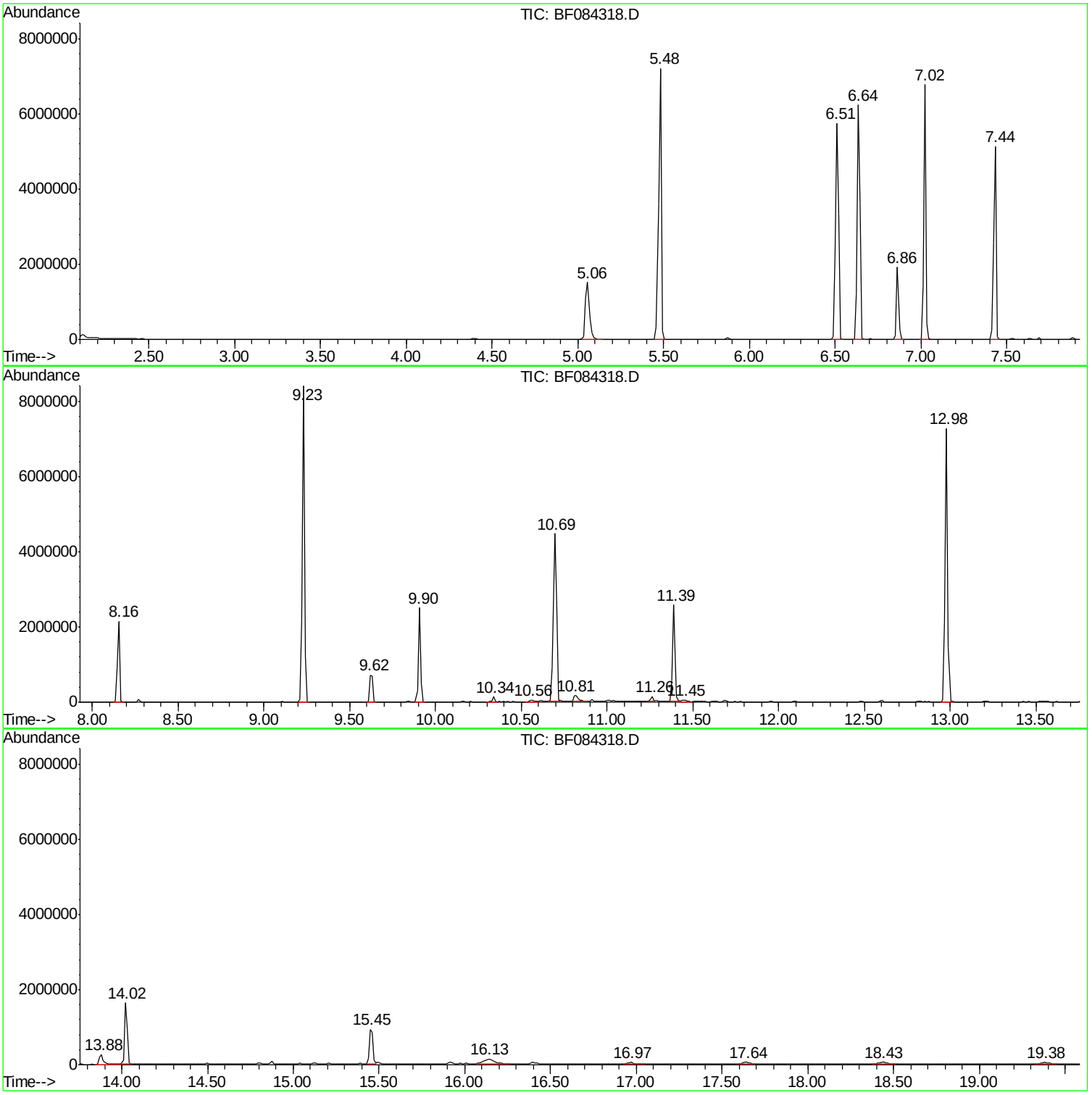
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SW005

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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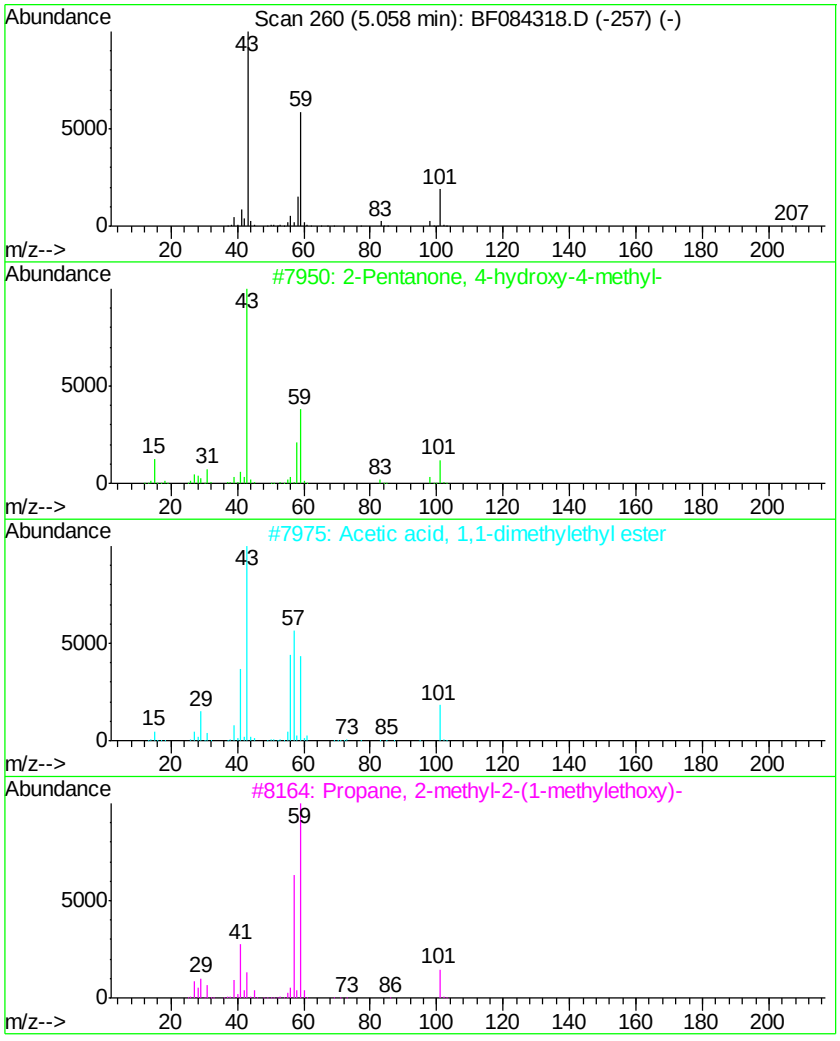
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

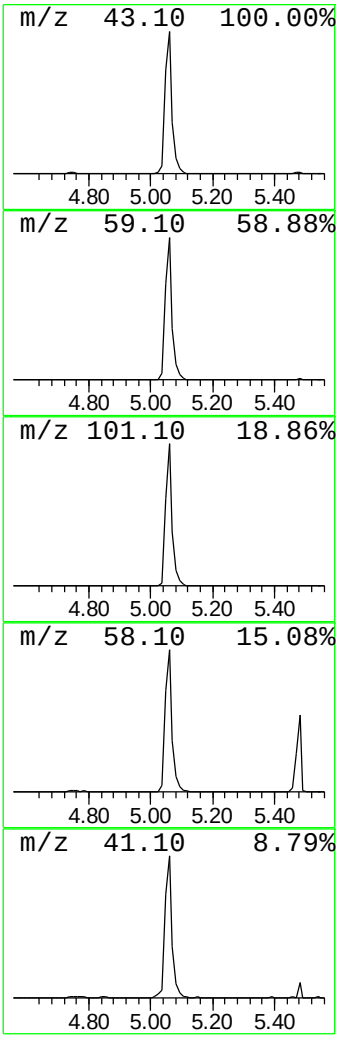
**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.06 | 30.23 ng | 2365410 | 1,4-Dichlorobenzene-d4 | 6.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 53 |
| 2 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39 |
| 3 | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O | 017348-59-3 | 33 |
| 4 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 33 |
| 5 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010716\
Data File : BF084318.D
Acq On : 8 Jan 2016 00:38
Operator : SJ/UM
Sample : H1028-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SW005

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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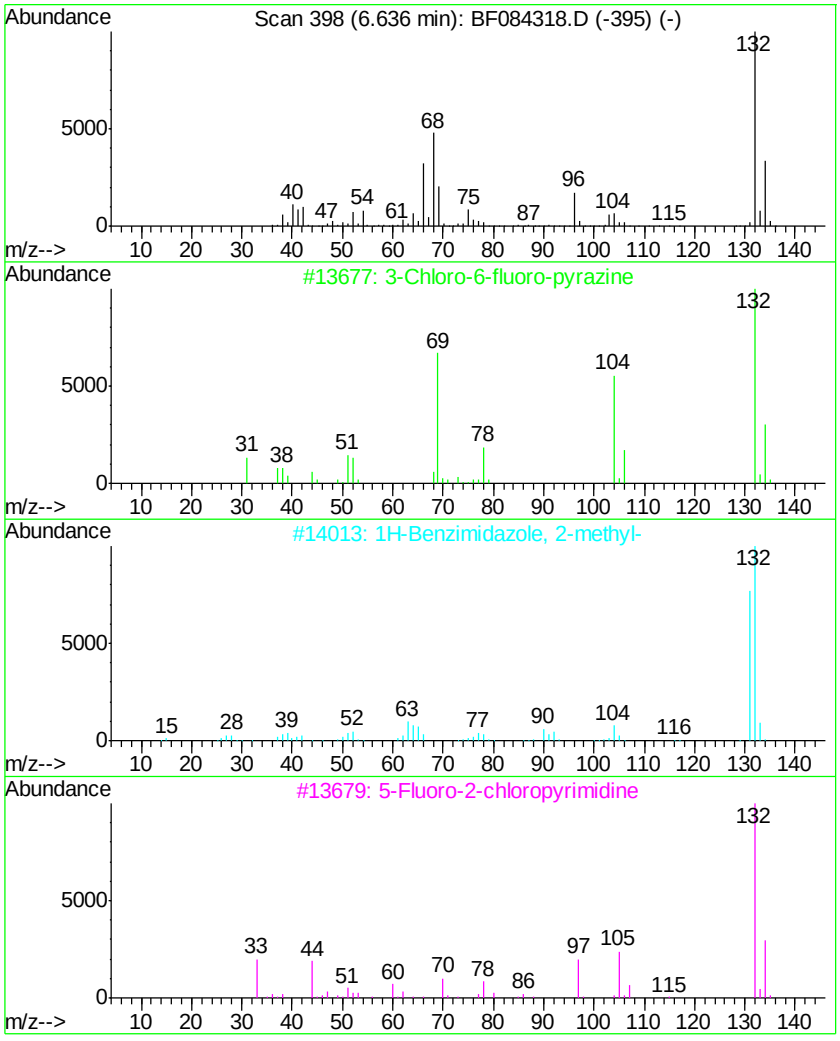
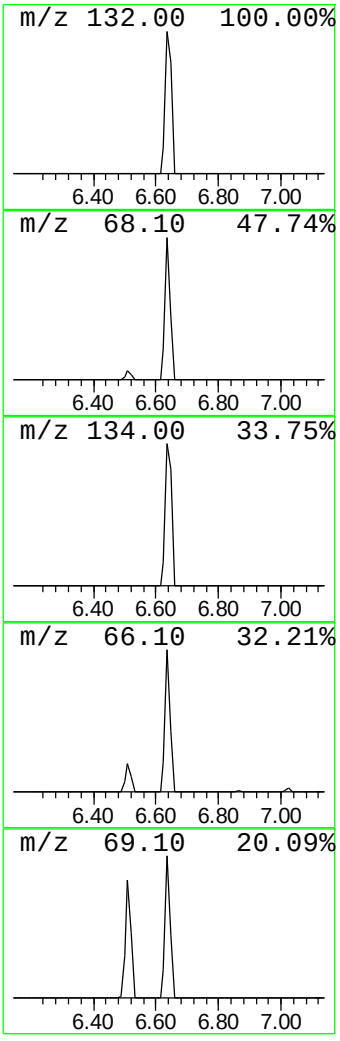
Peak Number 2 unknown6.64 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.64 | 97.31 ng | 7615340 | 1,4-Dichlorobenzene-d4 | 6.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 22 |
| 3 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 12 |
| 4 | (5-METHYL-2-PYRIDYL)ACETONITRILE | 132 | C8H8N2 | 1000241-93-9 | 10 |
| 5 | Benzene, 1,3,5-trifluoro- | 132 | C6H3F3 | 000372-38-3 | 9 |



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Data File : BF084318.D
Acq On : 8 Jan 2016 00:38
Operator : SJ/UM
Sample : H1028-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SW005

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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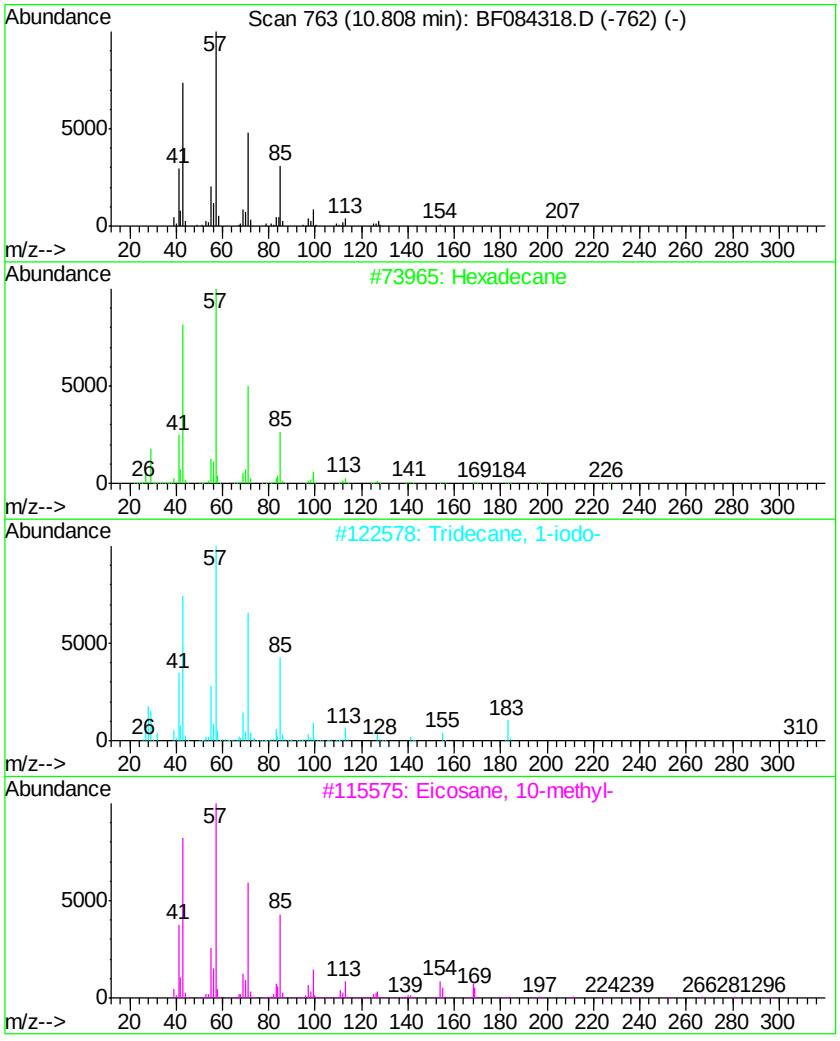
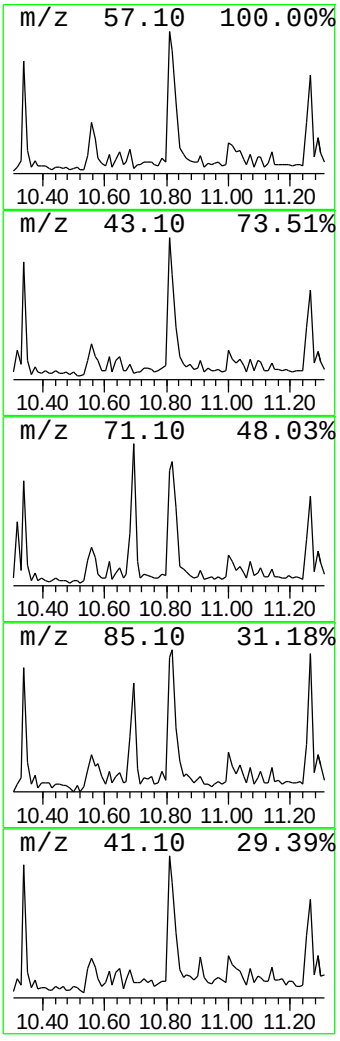
Peak Number 4 Hexadecane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.81 | 2.65 ng | 297524 | Phenanthrene-d10 | 11.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |
| 2 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 90 |
| 3 | Eicosane, 10-methyl- | 296 | C21H44 | 054833-23-7 | 90 |
| 4 | Eicosane | 282 | C20H42 | 000112-95-8 | 90 |
| 5 | Pentadecane | 212 | C15H32 | 000629-62-9 | 83 |



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Data File : BF084318.D
Acq On : 8 Jan 2016 00:38
Operator : SJ/UM
Sample : H1028-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SW005

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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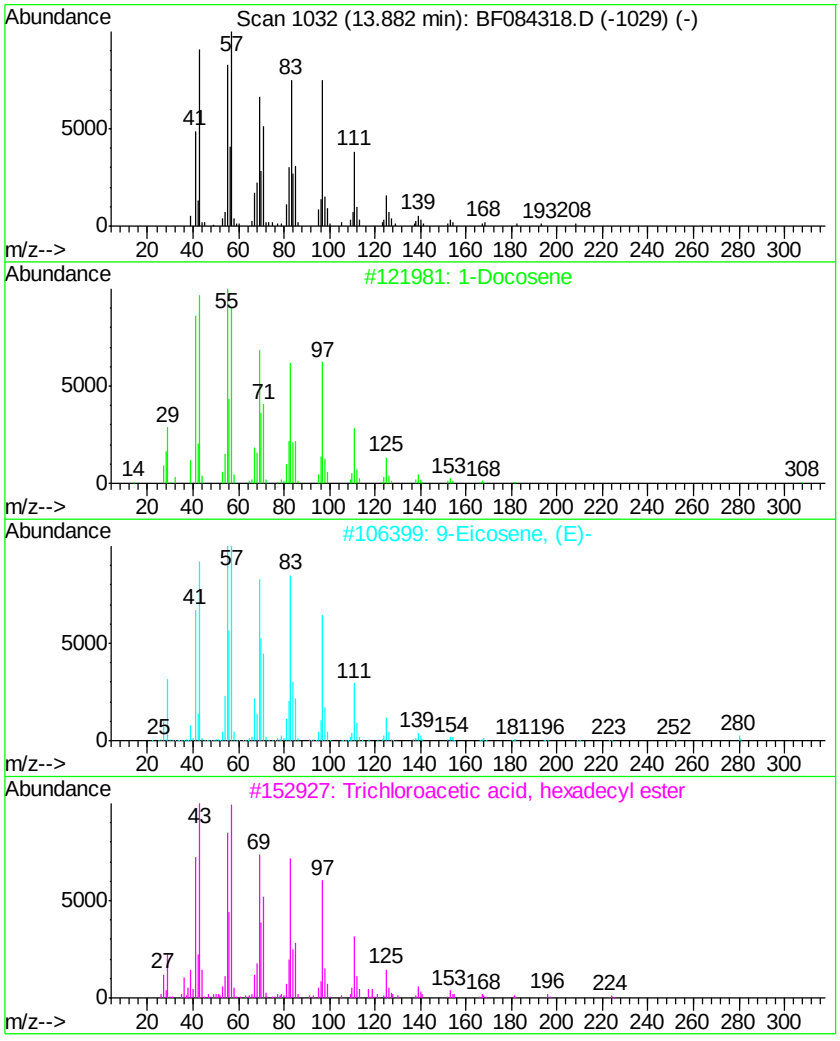
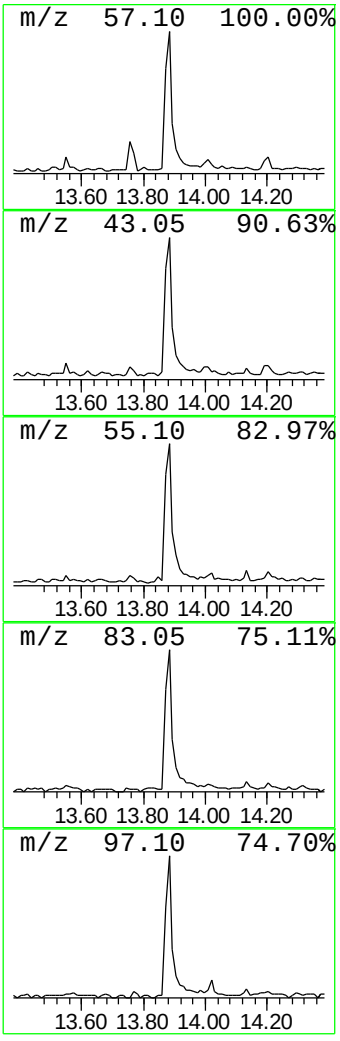
Peak Number 5 1-Docosene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.88 | 5.33 ng | 492491 | Chrysene-d12 | 14.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 91 |
| 2 | 9-Eicosene, (E)- | 280 | C20H40 | 074685-29-3 | 90 |
| 3 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 90 |
| 4 | 5-Eicosene, (E)- | 280 | C20H40 | 074685-30-6 | 87 |
| 5 | 17-Pentatriacontene | 491 | C35H70 | 006971-40-0 | 86 |



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Sample : H1028-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SW005

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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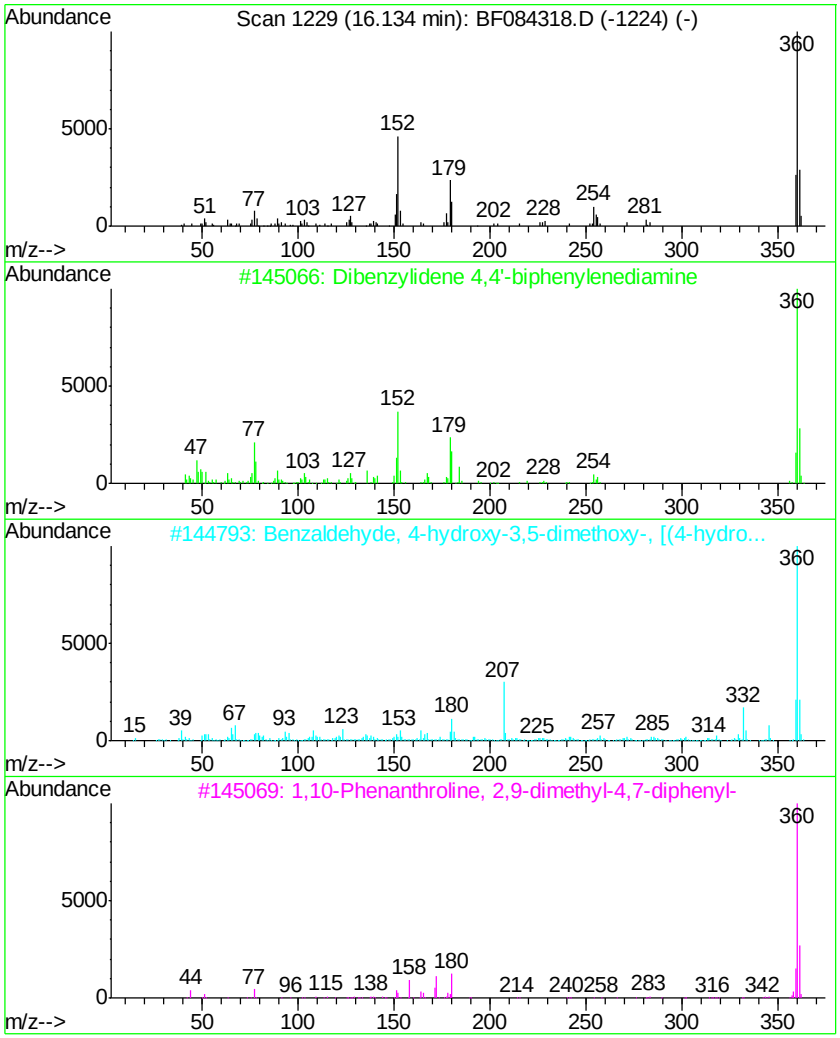
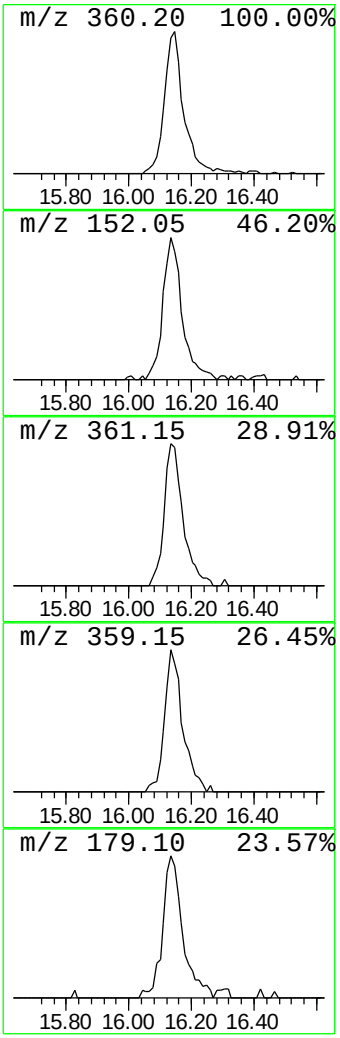
Peak Number 6 Dibenzylidene 4,4'-biphenyl... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.13 | 7.12 ng | 495827 | Perylene-d12 | 15.46 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzylidene 4,4'-biphenylenedi... | 360 | C26H20N2 | 006311-48-4 | 91 |
| 2 | Benzaldehyde, 4-hydroxy-3,5-dime... | 360 | C18H20N2O6 | 014414-32-5 | 49 |
| 3 | 1,10-Phenanthroline, 2,9-dimethy... | 360 | C26H20N2 | 004733-39-5 | 47 |
| 4 | N,N'-di-2-Naphthyl-p-phenylenedi... | 360 | C26H20N2 | 000093-46-9 | 46 |
| 5 | 1,3,2-Dioxaborolane, bis(spiro[4... | 360 | C20H13BO6 | 1000150-23-7 | 43 |



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Sample : H1028-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
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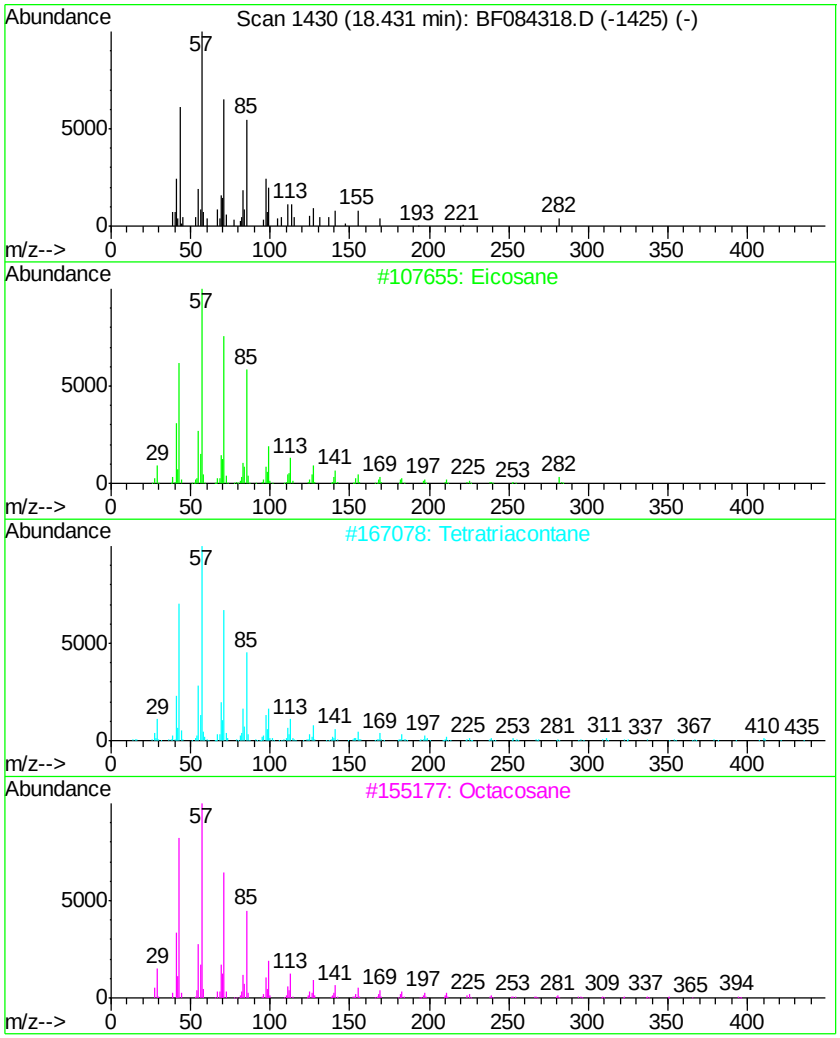
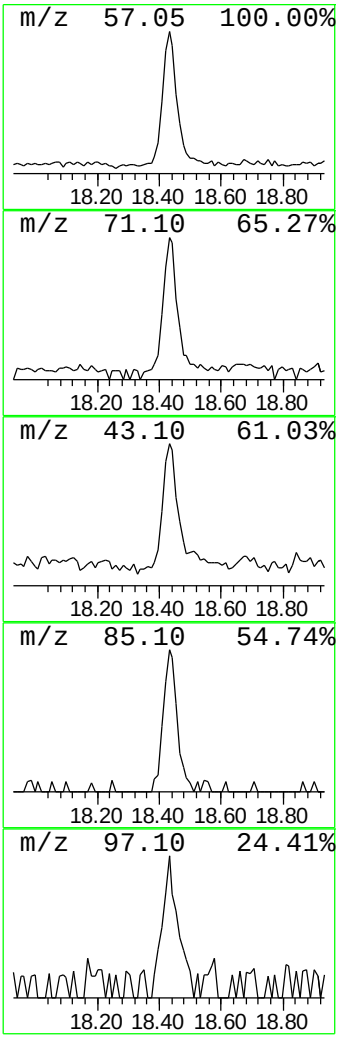
Peak Number 7 Eicosane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.43 | 2.13 ng | 147972 | Perylene-d12 | 15.46 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 94 |
| 2 | Tetratriacontane | 479 | C34H70 | 014167-59-0 | 90 |
| 3 | Octacosane | 394 | C28H58 | 000630-02-4 | 87 |
| 4 | Pentacosane | 352 | C25H52 | 000629-99-2 | 83 |
| 5 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 80 |



Tentatively Identified Compound (LSC) summary

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Pentanone, 4-hy... | 5.06 | 30.2 | ng | 2365410 | 1 | 6.86 | 1565150 | 20.0 |
| unknown6.64 | 6.64 | 97.3 | ng | 7615340 | 1 | 6.86 | 1565150 | 20.0 |
| Hexadecane | 10.81 | 2.6 | ng | 297524 | 4 | 11.39 | 2244980 | 20.0 |
| 1-Docosene | 13.88 | 5.3 | ng | 492491 | 5 | 14.02 | 1847220 | 20.0 |
| Dibenzylidene 4,4... | 16.13 | 7.1 | ng | 495827 | 6 | 15.46 | 1392660 | 20.0 |
| Eicosane | 18.43 | 2.1 | ng | 147972 | 6 | 15.46 | 1392660 | 20.0 |