LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082416\
Data File : BF089868.D
Acq On : 24 Aug 2016 12:30
Operator : UM/SJ
Sample : H4551-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** AST-1

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-BF081916.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 | 1.655 | 4 | 6 | 14 | rBV | 1307967 | 2388542 | 9.36% | 2.048% |
| 2 | 1.770 | 14 | 16 | 58 | rVB | 9607830 | 25509037 | 100.00% | 21.875% |
| 3 | 4.079 | 215 | 218 | 222 | rBV | 1119006 | 1591213 | 6.24% | 1.365% |
| 4 | 4.799 | 277 | 281 | 289 | rBV | 2082758 | 3166222 | 12.41% | 2.715% |
| 5 | 5.244 | 317 | 320 | 322 | rBV | 7266447 | 8239595 | 32.30% | 7.066% |
| 6 | 6.307 | 409 | 413 | 415 | rBV | 8163978 | 9240968 | 36.23% | 7.924% |
| 7 | 6.433 | 421 | 424 | 426 | rBV | 9113724 | 9283231 | 36.39% | 7.961% |
| 8 | 6.662 | 442 | 444 | 447 | rBV | 2211253 | 2145602 | 8.41% | 1.840% |
| 9 | 6.822 | 455 | 458 | 460 | rBV | 8373424 | 7085592 | 27.78% | 6.076% |
| 10 | 7.233 | 491 | 494 | 496 | rBV | 5917683 | 5640640 | 22.11% | 4.837% |
| 11 | 7.953 | 554 | 557 | 559 | rBV | 3432145 | 2941453 | 11.53% | 2.522% |
| 12 | 9.039 | 649 | 652 | 654 | rBV | 8965697 | 10121959 | 39.68% | 8.680% |
| 13 | 9.428 | 684 | 686 | 689 | rBV | 2156029 | 1970030 | 7.72% | 1.689% |
| 14 | 9.702 | 708 | 710 | 712 | rBV | 3739577 | 3241567 | 12.71% | 2.780% |
| 15 | 10.491 | 776 | 779 | 781 | rBV | 3431992 | 4265308 | 16.72% | 3.658% |
| 16 | 10.628 | 789 | 791 | 796 | rVB | 276988 | 307711 | 1.21% | 0.264% |
| 17 | 11.176 | 837 | 839 | 843 | rBV | 3701840 | 3354683 | 13.15% | 2.877% |
| 18 | 12.777 | 976 | 979 | 981 | rBV | 6627214 | 9402119 | 36.86% | 8.063% |
| 19 | 13.714 | 1058 | 1061 | 1068 | rBV | 115305 | 346403 | 1.36% | 0.297% |
| 20 | 13.817 | 1068 | 1070 | 1078 | rVB2 | 2539686 | 4018710 | 15.75% | 3.446% |
| 21 | 15.268 | 1194 | 1197 | 1200 | rBV | 2092315 | 2353436 | 9.23% | 2.018% |

Sum of corrected areas: 116614021

LSC Report - Integrated Chromatogram

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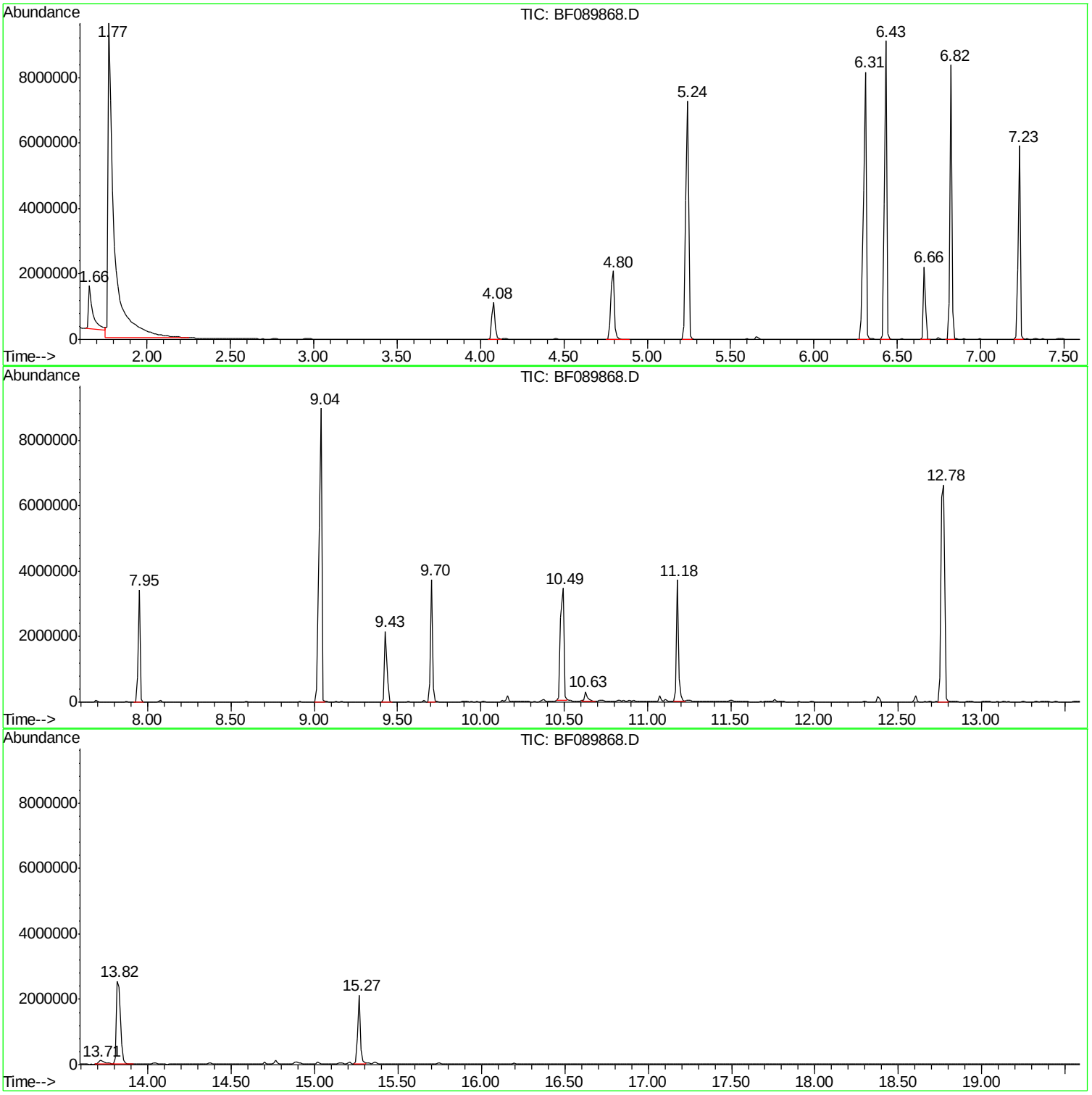
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** AST-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.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\BF082416\
Data File : BF089868.D
Acq On : 24 Aug 2016 12:30
Operator : UM/SJ
Sample : H4551-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** AST-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.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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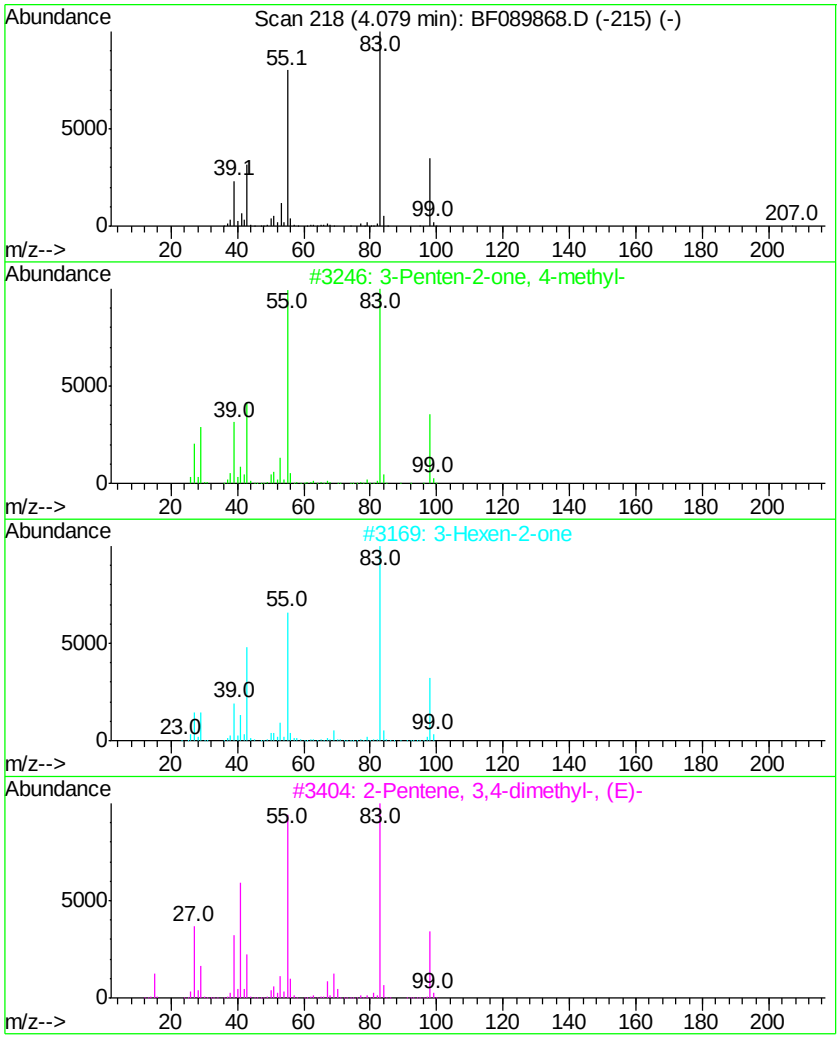
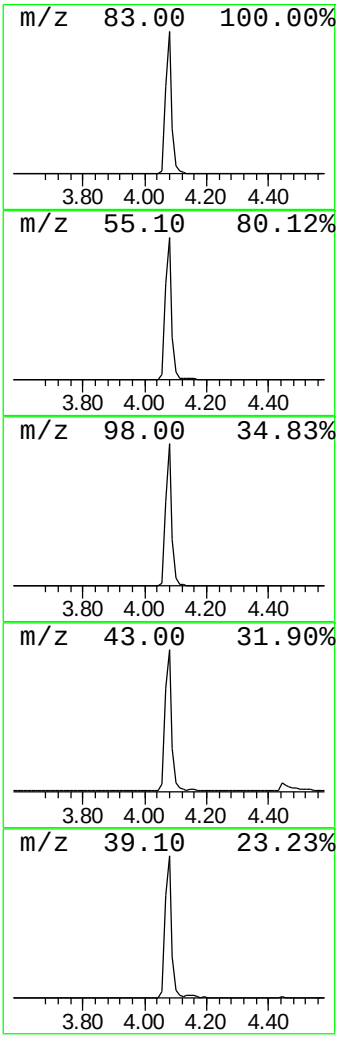
Peak Number 3 3-Penten-2-one, 4-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.08 | 14.83 ng | 1591210 | 1,4-Dichlorobenzene-d4 | 6.66 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Penten-2-one, 4-methyl- | 98 | C6H10O | 000141-79-7 | 91 |
| 2 | 3-Hexen-2-one | 98 | C6H10O | 000763-93-9 | 91 |
| 3 | 2-Pentene, 3,4-dimethyl-, (E)- | 98 | C7H14 | 004914-92-5 | 90 |
| 4 | 2-Pentene, 3,4-dimethyl-, (Z)- | 98 | C7H14 | 004914-91-4 | 86 |
| 5 | 2,4-Azetidinedione, 3,3-diethyl- | 141 | C7H11NO2 | 042282-85-9 | 78 |



# Library Search Compound Report

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Data File : BF089868.D
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Operator : UM/SJ
Sample : H4551-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** AST-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.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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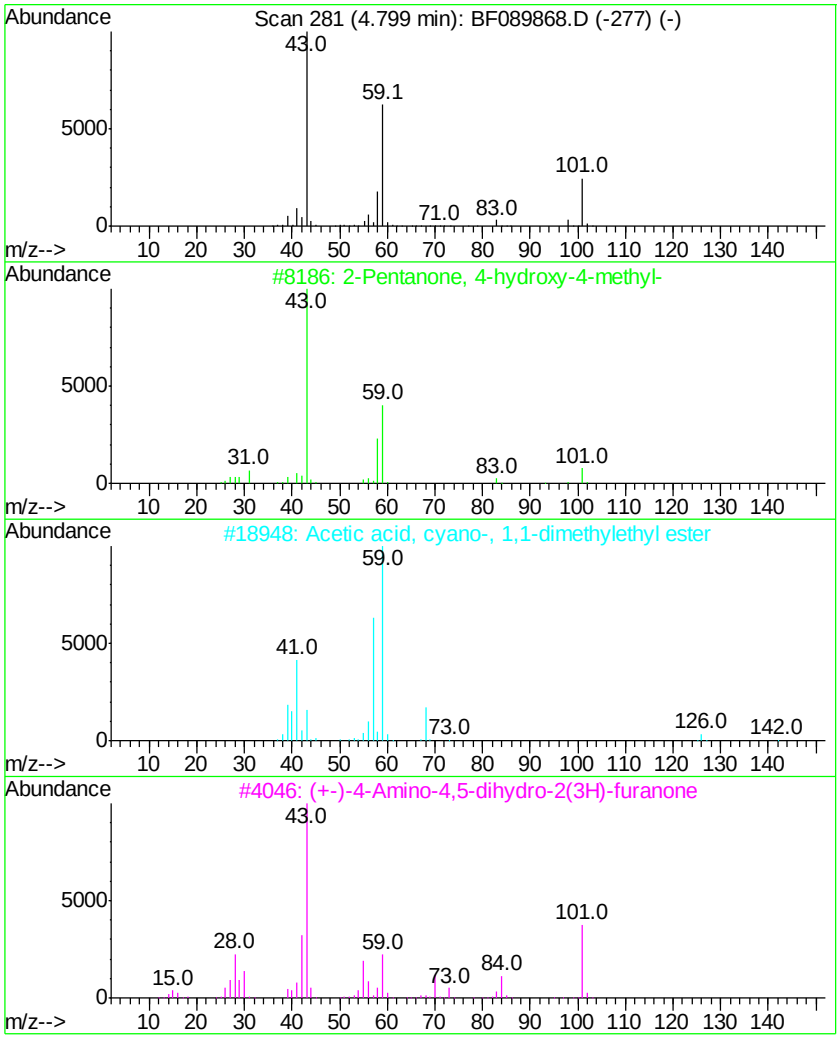
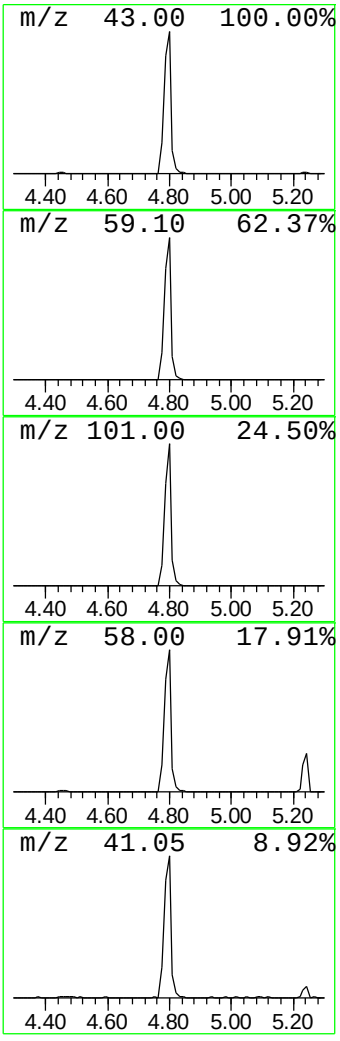
Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.80 | 29.51 ng | 3166220 | 1,4-Dichlorobenzene-d4 | 6.66 |

| 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, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23 |
| 3 | (+-)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2 | 016504-58-8 | 9 |
| 4 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |
| 5 | Butane, 1-ethoxy- | 102 | C6H14O | 000628-81-9 | 9 |



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Data File : BF089868.D
Acq On : 24 Aug 2016 12:30
Operator : UM/SJ
Sample : H4551-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** AST-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.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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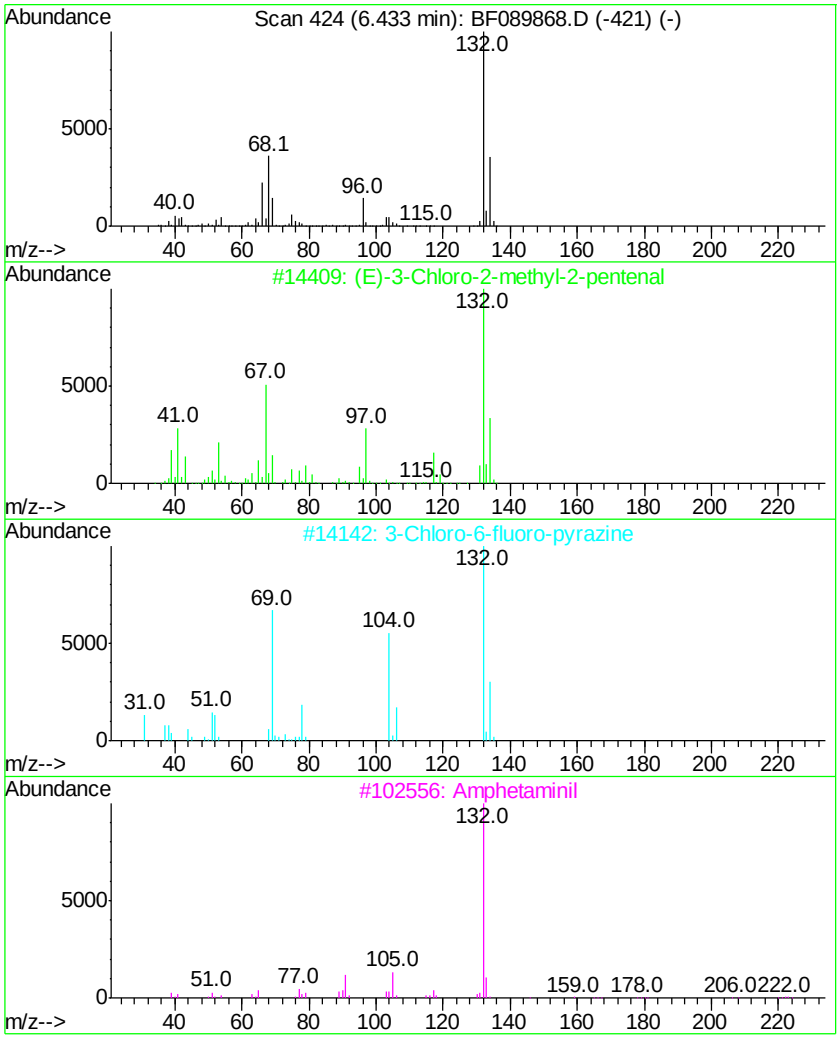
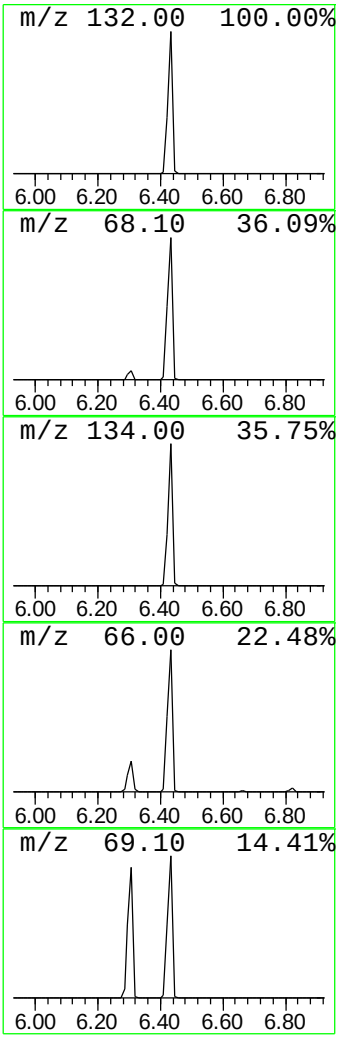
Peak Number 5 unknown6.43 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.43 | 86.53 ng | 9283230 | 1,4-Dichlorobenzene-d4 | 6.66 |

| 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 | Amphetaminil | 250 | C17H18N2 | 017590-01-1 | 12 |
| 4 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 5 | Xenon | 132 | Xe | 007440-63-3 | 9 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082416\
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Operator : UM/SJ
Sample : H4551-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** AST-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 3-Penten-2-one, 4... | 4.08 | 14.8 | ng | 1591210 | 1 | 6.66 | 2145600 | 20.0 |
| 2-Pentanone, 4-hy... | 4.80 | 29.5 | ng | 3166220 | 1 | 6.66 | 2145600 | 20.0 |
| unknown6.43 | 6.43 | 86.5 | ng | 9283230 | 1 | 6.66 | 2145600 | 20.0 |