LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072316\
Data File : BF089238.D
Acq On : 23 Jul 2016 15:34
Operator : UM/SJ
Sample : H4120-12
Misc :
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GW-09-6.0-15.0

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-BF072016.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 | 1.712 | 9 | 11 | 52 | rVB | 508641 | 1066273 | 67.75% | 9.690% |
| 2 | 4.696 | 270 | 272 | 275 | rBV | 257582 | 371262 | 23.59% | 3.374% |
| 3 | 5.164 | 311 | 313 | 326 | rBV | 262316 | 391237 | 24.86% | 3.555% |
| 4 | 6.227 | 405 | 406 | 414 | rBV | 229816 | 335496 | 21.32% | 3.049% |
| 5 | 6.341 | 414 | 416 | 435 | rVB | 664271 | 756446 | 48.06% | 6.874% |
| 6 | 6.582 | 435 | 437 | 443 | rBV | 183107 | 263674 | 16.75% | 2.396% |
| 7 | 6.730 | 448 | 450 | 459 | rVB | 934946 | 935078 | 59.41% | 8.498% |
| 8 | 7.153 | 484 | 487 | 501 | rBV | 494442 | 825251 | 52.43% | 7.499% |
| 9 | 7.862 | 547 | 549 | 560 | rBV | 359724 | 397844 | 25.28% | 3.615% |
| 10 | 8.936 | 641 | 643 | 646 | rBV | 1032921 | 1573934 | 100.00% | 14.303% |
| 11 | 9.336 | 676 | 678 | 681 | rBV | 84769 | 103717 | 6.59% | 0.943% |
| 12 | 9.610 | 699 | 702 | 704 | rBV | 389033 | 444763 | 28.26% | 4.042% |
| 13 | 10.388 | 768 | 770 | 780 | rBV2 | 421766 | 602459 | 38.28% | 5.475% |
| 14 | 10.525 | 780 | 782 | 786 | rBV | 11436 | 16834 | 1.07% | 0.153% |
| 15 | 10.971 | 819 | 821 | 827 | rBV | 36787 | 51236 | 3.26% | 0.466% |
| 16 | 11.085 | 828 | 831 | 835 | rVV | 401877 | 466676 | 29.65% | 4.241% |
| 17 | 11.153 | 835 | 837 | 841 | rVB2 | 15072 | 31747 | 2.02% | 0.289% |
| 18 | 11.336 | 851 | 853 | 857 | rVV | 9190 | 19120 | 1.21% | 0.174% |
| 19 | 11.393 | 857 | 858 | 861 | rVB | 25339 | 34345 | 2.18% | 0.312% |
| 20 | 11.633 | 878 | 879 | 883 | rBV | 15476 | 25665 | 1.63% | 0.233% |
| 21 | 12.502 | 953 | 955 | 959 | rBV | 20834 | 26908 | 1.71% | 0.245% |
| 22 | 12.674 | 967 | 970 | 972 | rBV | 1061048 | 1550376 | 98.50% | 14.089% |
| 23 | 13.588 | 1047 | 1050 | 1057 | rVB | 26584 | 58654 | 3.73% | 0.533% |
| 24 | 13.702 | 1057 | 1060 | 1068 | rVB | 385314 | 389200 | 24.73% | 3.537% |
| 25 | 15.040 | 1175 | 1177 | 1181 | rBV | 170176 | 265905 | 16.89% | 2.416% |

Sum of corrected areas: 11004100

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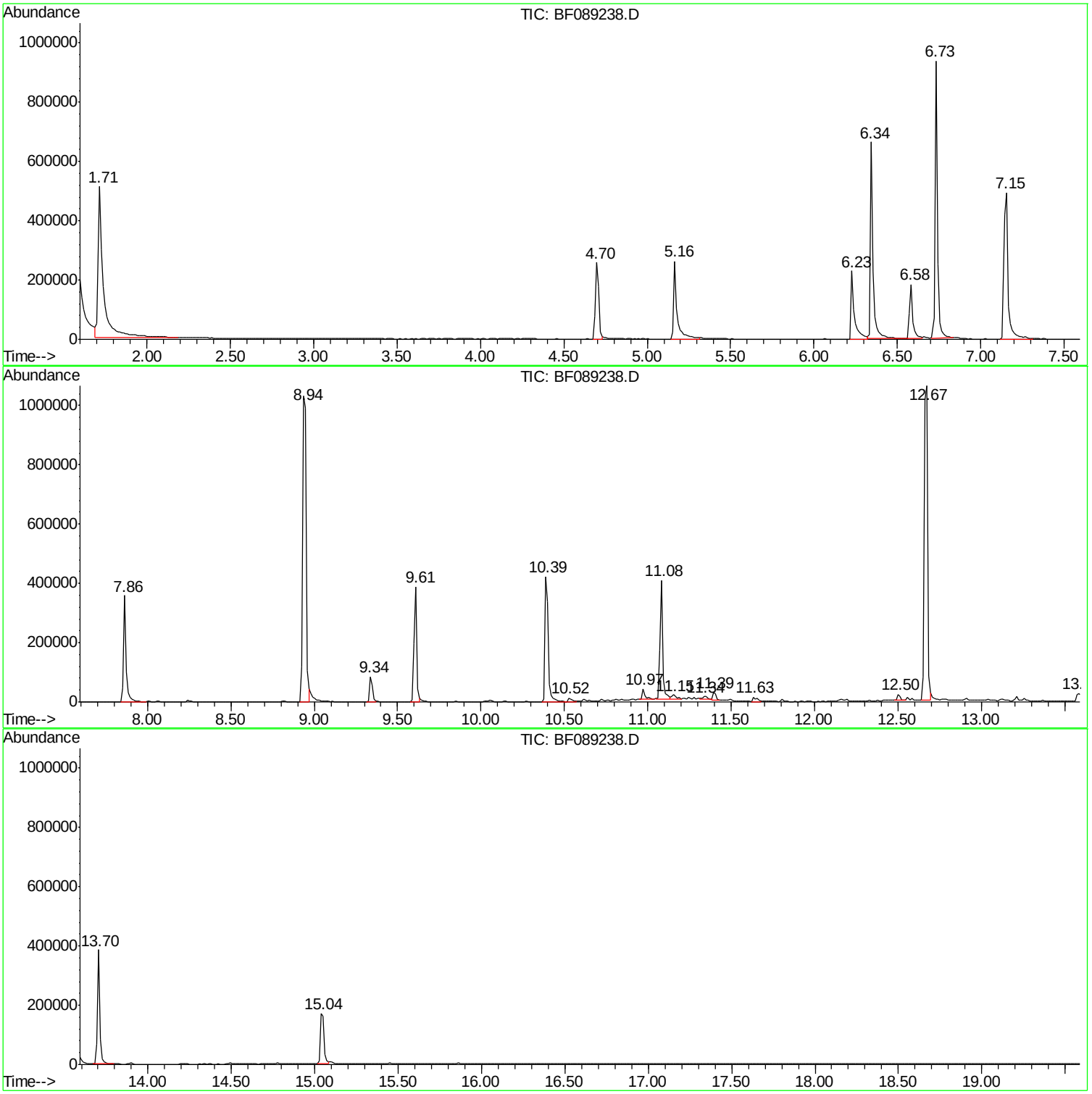
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.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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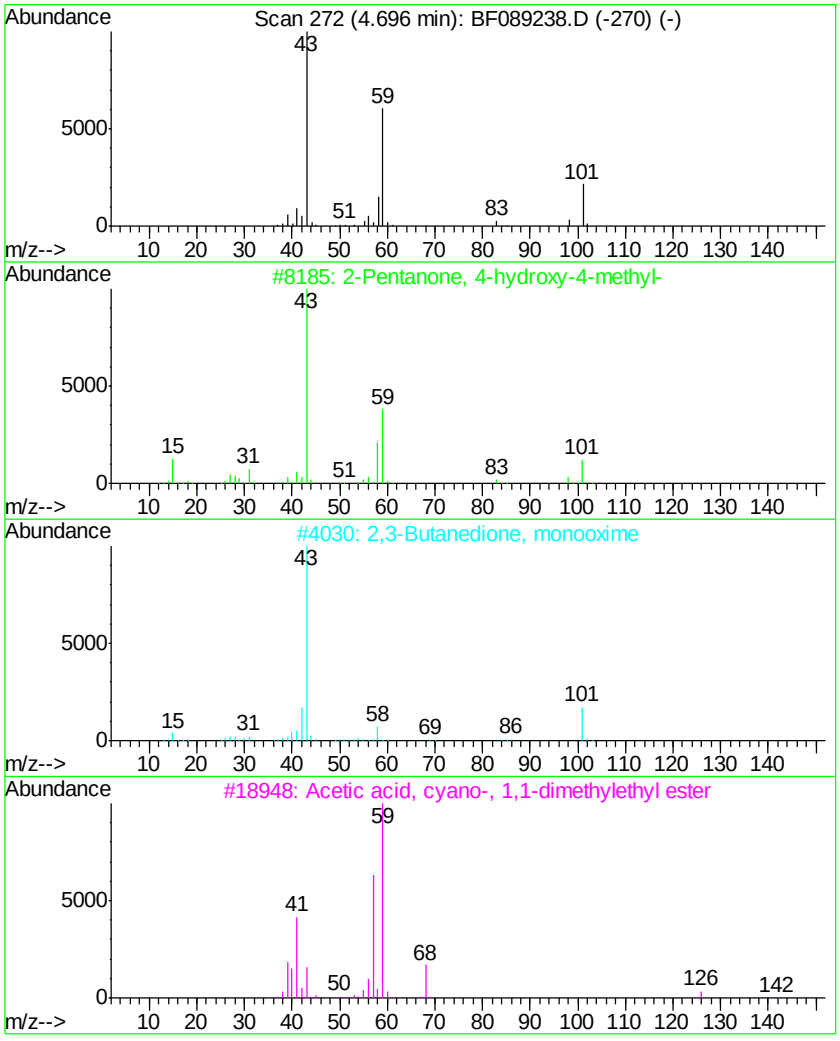
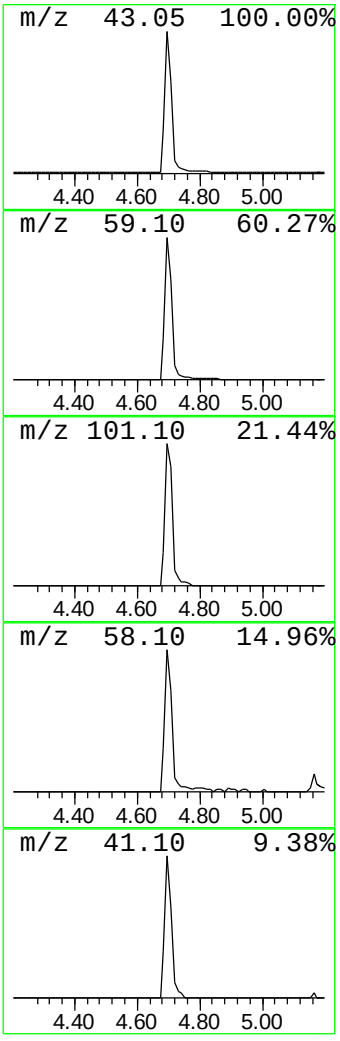
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.70 | 28.16 ng | 371262 | 1,4-Dichlorobenzene-d4 | 6.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56 |
| 2 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 25 |
| 3 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23 |
| 4 | Butane, 1-ethoxy- | 102 | C6H14O | 000628-81-9 | 9 |
| 5 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |



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Sample : H4120-12
Misc :
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GW-09-6.0-15.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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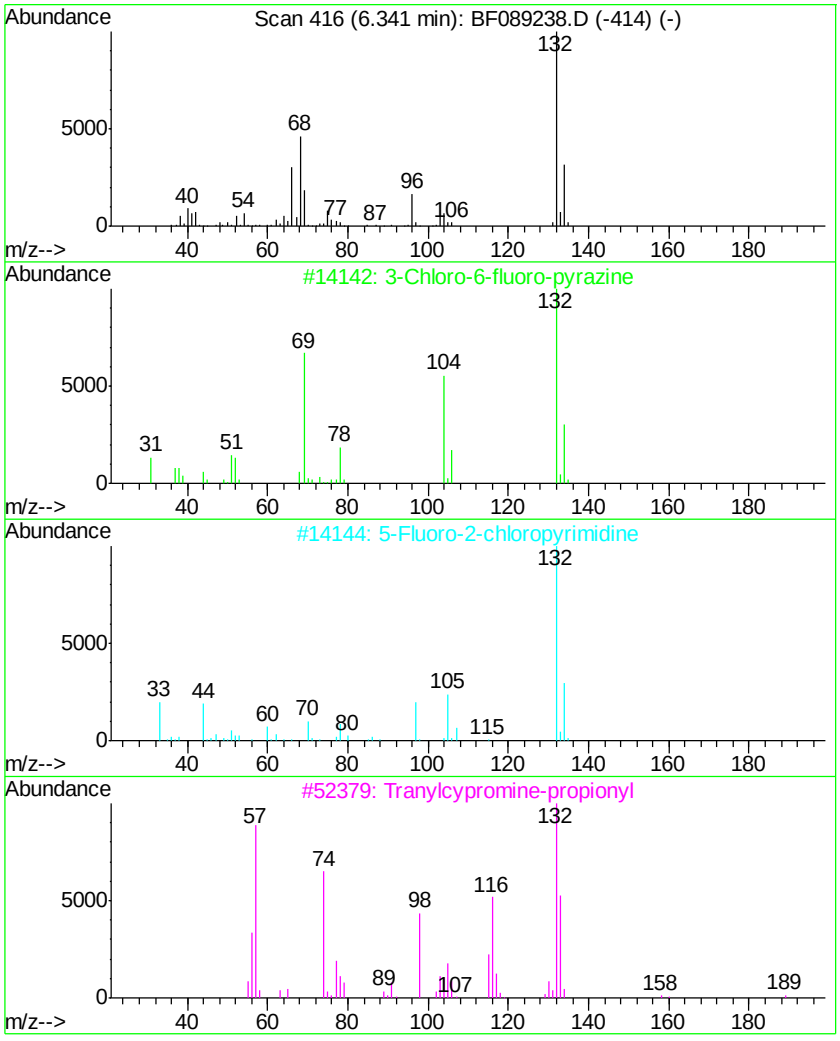
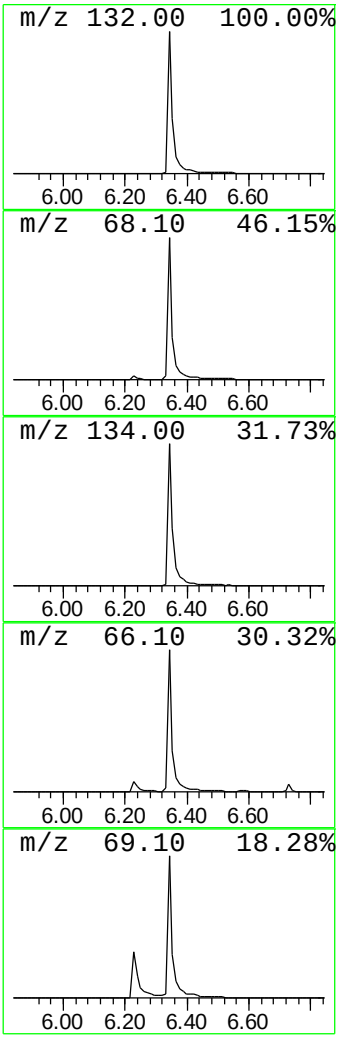
Peak Number 3 unknown6.34 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.34 | 57.38 ng | 756446 | 1,4-Dichlorobenzene-d4 | 6.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 16 |
| 2 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 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 | Xenon | 132 | Xe | 007440-63-3 | 9 |



# Library Search Compound Report

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Sample : H4120-12
Misc :
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GW-09-6.0-15.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.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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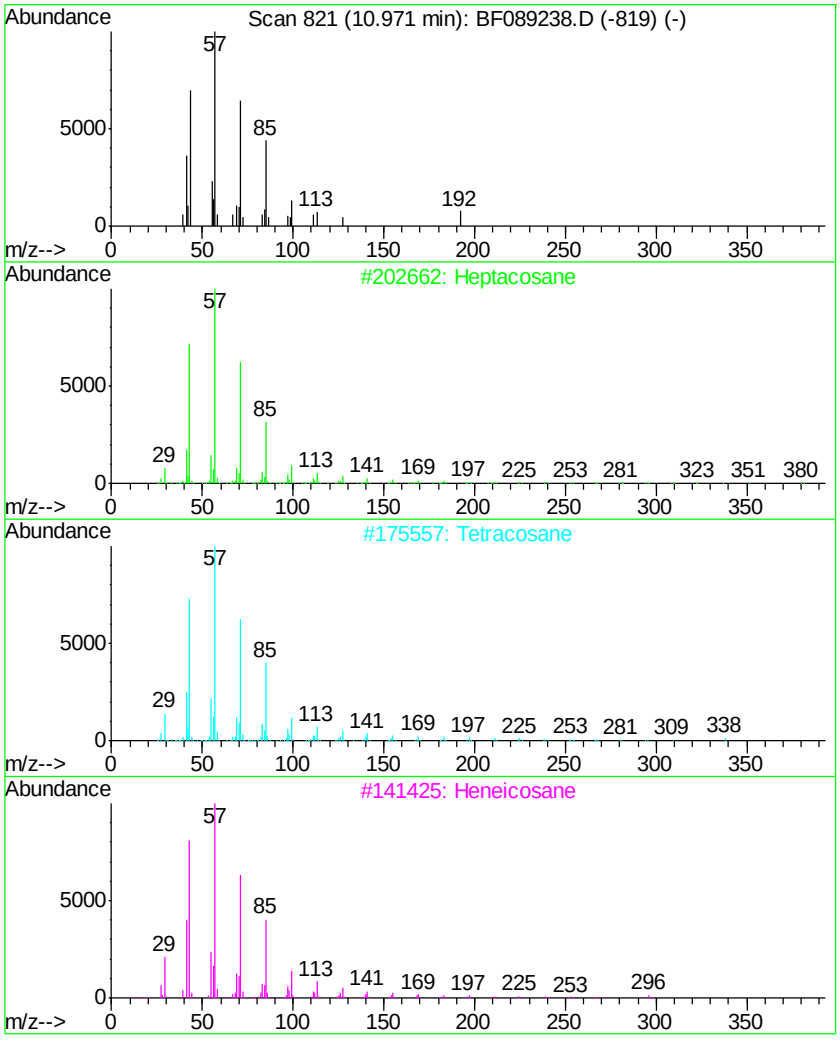
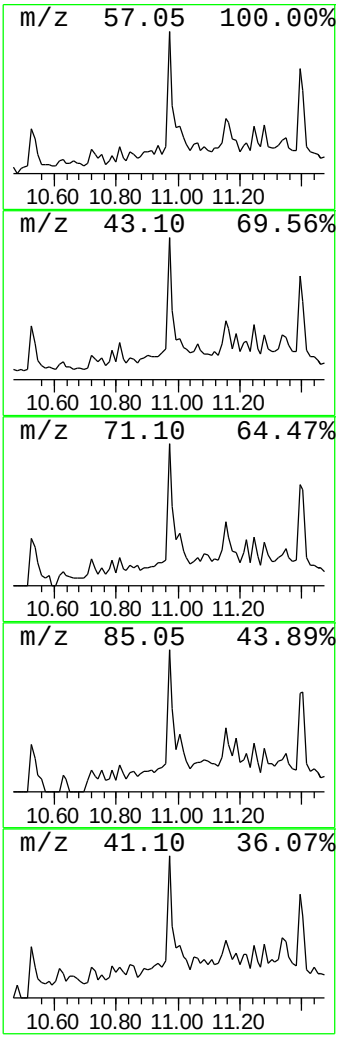
Peak Number 5 Heptacosane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.97 | 2.20 ng | 51236 | Phenanthrene-d10 | 11.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptacosane | 380 | C27H56 | 000593-49-7 | 90 |
| 2 | Tetracosane | 338 | C24H50 | 000646-31-1 | 87 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 87 |
| 4 | Eicosane, 10-methyl- | 296 | C21H44 | 054833-23-7 | 87 |
| 5 | Pentadecane | 212 | C15H32 | 000629-62-9 | 86 |



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ALS Vial : 39 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GW-09-6.0-15.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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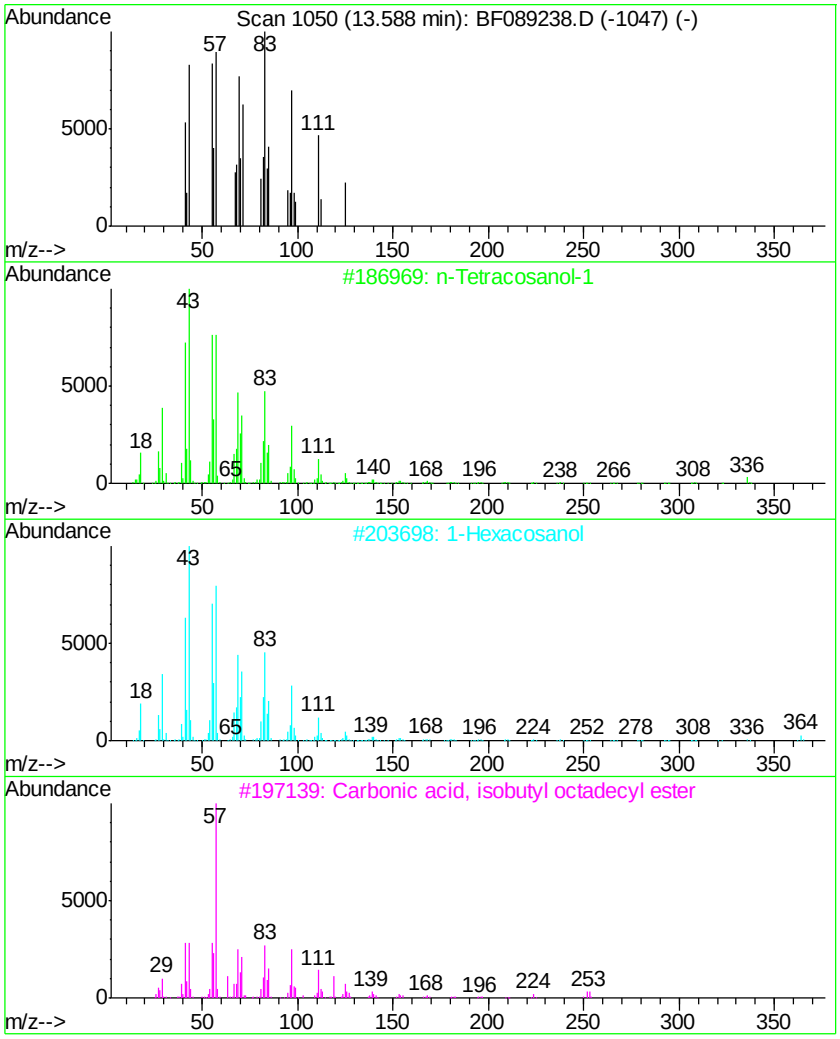
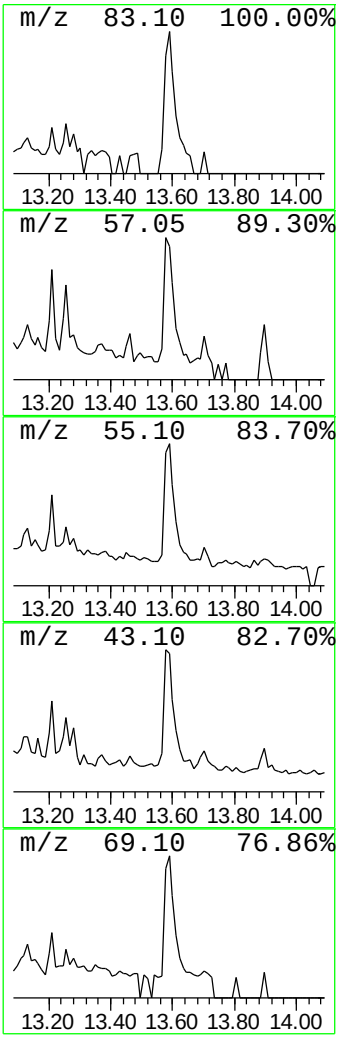
Peak Number 6 n-Tetracosanol-1 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.59 | 3.01 ng | 58654 | Chrysene-d12 | 13.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 90 |
| 2 | 1-Hexacosanol | 382 | C26H54O | 000506-52-5 | 90 |
| 3 | Carbonic acid, isobutyl octadecy... | 370 | C23H46O3 | 1000314-61-5 | 62 |
| 4 | Cyclopentane, 1,1,3-trimethyl- | 112 | C8H16 | 004516-69-2 | 43 |
| 5 | Cyclopentane, 1,1,3,4-tetramethy... | 126 | C9H18 | 020309-77-7 | 43 |



# Tentatively Identified Compound (LSC) summary

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ALS Vial : 39 Sample Multiplier: 1

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**ClientSampleId :** GW-09-6.0-15.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.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 |
| 2-Pentanone, 4-hy... | 4.70 | 28.2 | ng | 371262 | 1 | 6.58 | 263674 | 20.0 |
| unknown6.34 | 6.34 | 57.4 | ng | 756446 | 1 | 6.58 | 263674 | 20.0 |
| Heptacosane | 10.97 | 2.2 | ng | 51236 | 4 | 11.08 | 466676 | 20.0 |
| n-Tetracosanol-1 | 13.59 | 3.0 | ng | 58654 | 5 | 13.70 | 389200 | 20.0 |