LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090443.D
Acq On : 7 Oct 2016 14:01
Operator : UM/SJ
Sample : H5110-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** IMPACT-57-STONE

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-BF100516.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 | 4.554 | 191 | 194 | 196 | rBV | 268485 | 371470 | 7.05% | 0.847% |
| 2 | 5.183 | 245 | 249 | 251 | rBV | 887579 | 1290902 | 24.50% | 2.942% |
| 3 | 5.583 | 282 | 284 | 287 | rBV | 3034493 | 3658810 | 69.43% | 8.339% |
| 4 | 6.600 | 370 | 373 | 376 | rBV | 3387816 | 3636041 | 68.99% | 8.287% |
| 5 | 6.749 | 383 | 386 | 388 | rBV | 4287892 | 3883882 | 73.70% | 8.851% |
| 6 | 6.989 | 404 | 407 | 409 | rBV | 951788 | 1233745 | 23.41% | 2.812% |
| 7 | 7.137 | 418 | 420 | 423 | rVB | 2885296 | 2962653 | 56.22% | 6.752% |
| 8 | 7.549 | 453 | 456 | 458 | rBV | 2224059 | 2701326 | 51.26% | 6.156% |
| 9 | 8.269 | 517 | 519 | 522 | rBV | 1707838 | 1694532 | 32.15% | 3.862% |
| 10 | 9.355 | 611 | 614 | 616 | rBV | 5424247 | 5098950 | 96.75% | 11.621% |
| 11 | 9.743 | 646 | 648 | 650 | rBV | 956235 | 771449 | 14.64% | 1.758% |
| 12 | 10.029 | 671 | 673 | 676 | rVB | 1489196 | 1943808 | 36.88% | 4.430% |
| 13 | 10.463 | 710 | 711 | 713 | rVB | 89284 | 74040 | 1.40% | 0.169% |
| 14 | 10.692 | 727 | 731 | 734 | rBV | 38121 | 66951 | 1.27% | 0.153% |
| 15 | 10.818 | 740 | 742 | 745 | rBV2 | 1819512 | 2195449 | 41.66% | 5.003% |
| 16 | 10.943 | 750 | 753 | 760 | rVV | 120380 | 171877 | 3.26% | 0.392% |
| 17 | 11.389 | 790 | 792 | 794 | rBV2 | 87573 | 85693 | 1.63% | 0.195% |
| 18 | 11.526 | 801 | 804 | 806 | rBV | 2458144 | 2238426 | 42.47% | 5.101% |
| 19 | 11.743 | 821 | 823 | 828 | rBV | 315788 | 340330 | 6.46% | 0.776% |
| 20 | 12.566 | 893 | 895 | 898 | rBV | 73131 | 89619 | 1.70% | 0.204% |
| 21 | 13.115 | 940 | 943 | 946 | rBV | 5860378 | 5270033 | 100.00% | 12.011% |
| 22 | 14.006 | 1020 | 1021 | 1029 | rVB | 230781 | 338192 | 6.42% | 0.771% |
| 23 | 14.166 | 1033 | 1035 | 1038 | rVB | 1647073 | 2121702 | 40.26% | 4.835% |
| 24 | 15.675 | 1163 | 1167 | 1169 | rBV | 1032731 | 1638398 | 31.09% | 3.734% |

Sum of corrected areas: 43878278

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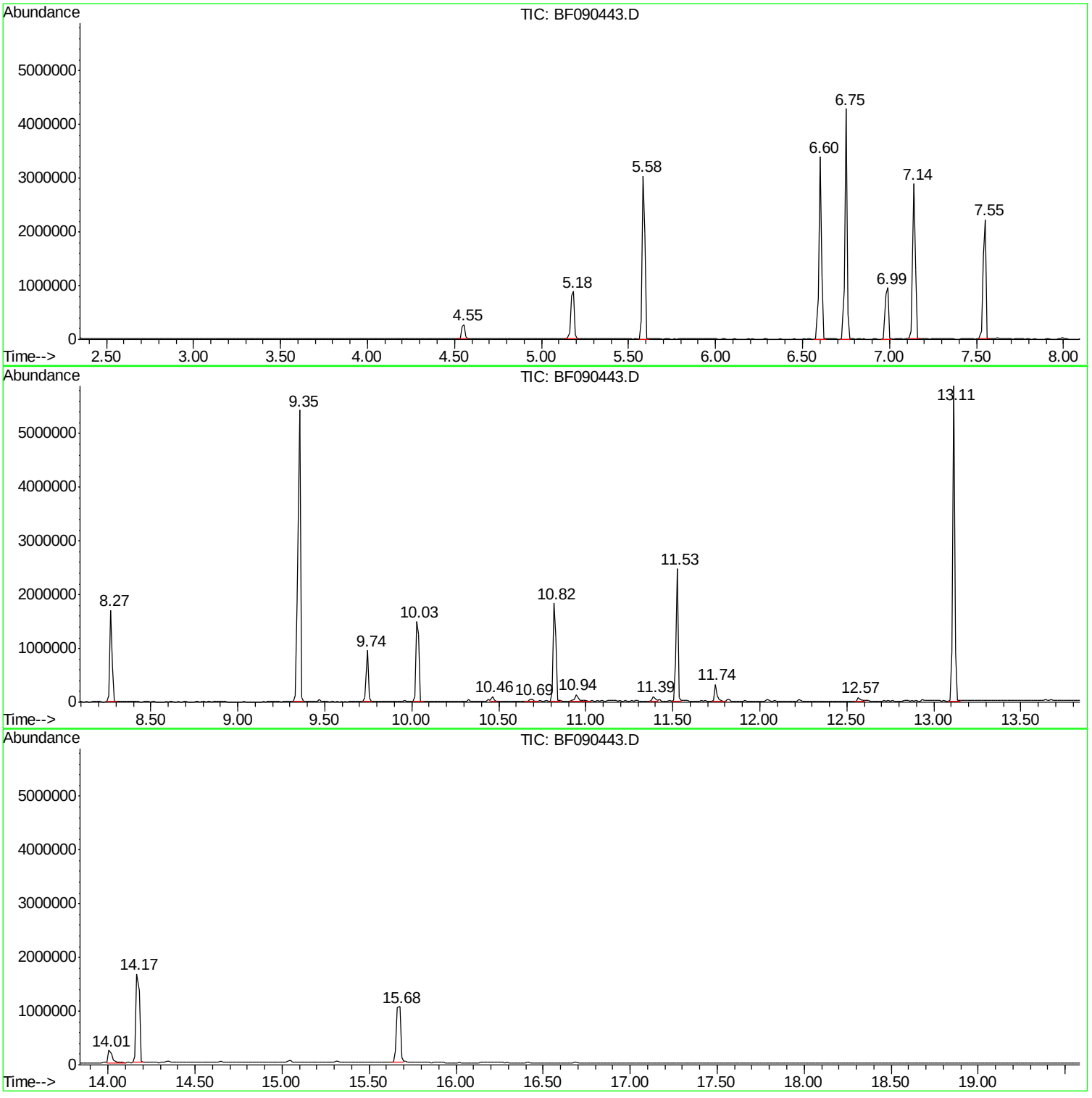
**Instrument :**
BNA_F
**ClientSampleId :**
IMPACT-57-STONE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.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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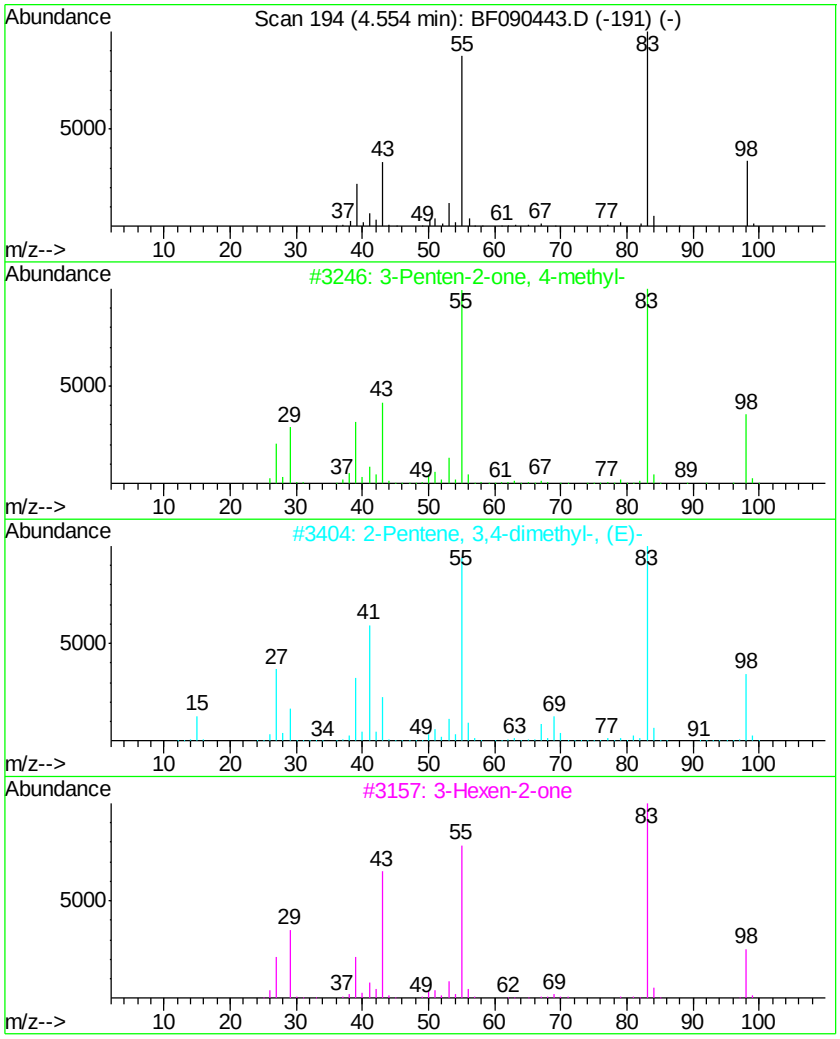
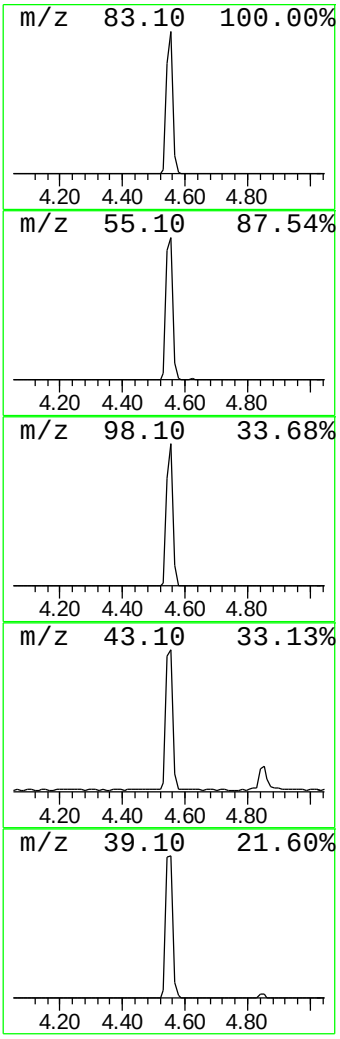
Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.55 | 6.02 ng | 371470 | 1,4-Dichlorobenzene-d4 | 6.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Penten-2-one, 4-methyl- | 98 | C6H10O | 000141-79-7 | 91 |
| 2 | 2-Pentene, 3,4-dimethyl-, (E)- | 98 | C7H14 | 004914-92-5 | 90 |
| 3 | 3-Hexen-2-one | 98 | C6H10O | 000763-93-9 | 90 |
| 4 | 2-Pentene, 3,4-dimethyl-, (Z)- | 98 | C7H14 | 004914-91-4 | 86 |
| 5 | 2-Pentene, 2,4-dimethyl- | 98 | C7H14 | 000625-65-0 | 86 |



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Sample : H5110-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** IMPACT-57-STONE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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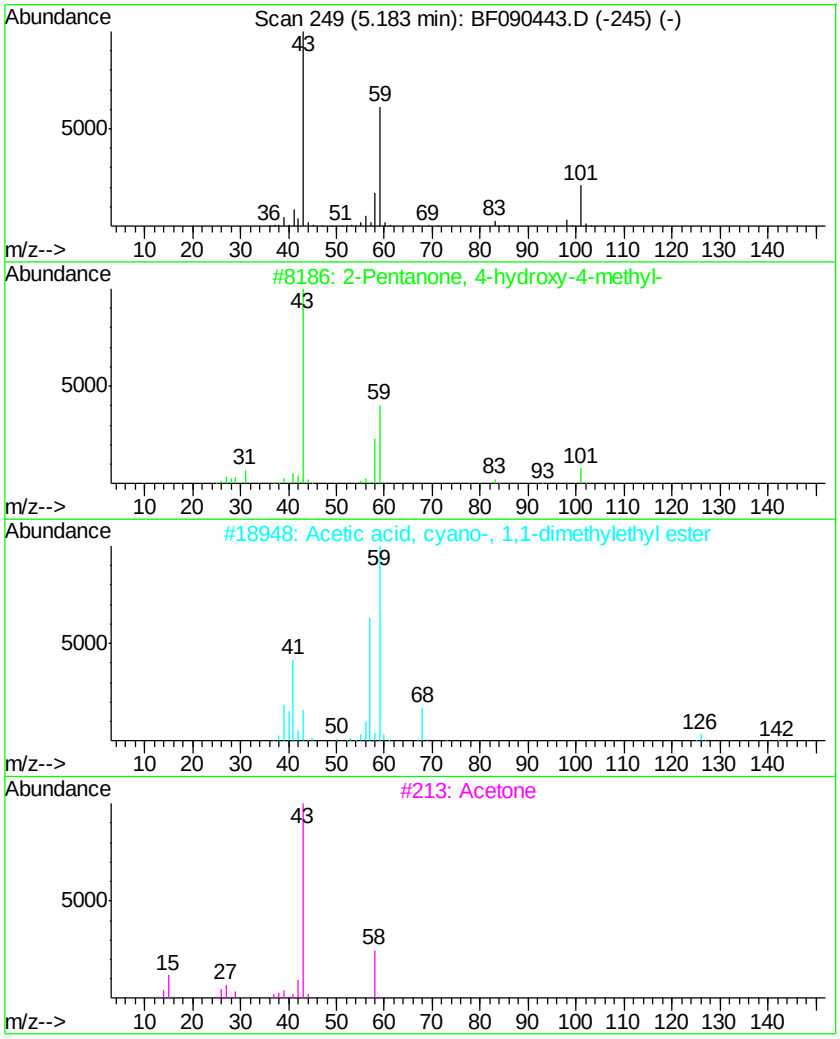
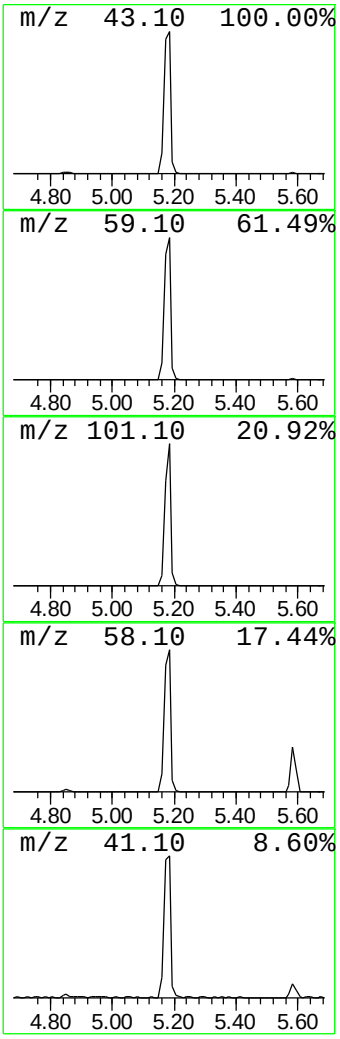
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.18 | 20.93 ng | 1290900 | 1,4-Dichlorobenzene-d4 | 6.99 |

| 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 | 17 |
| 3 | Acetone | 58 | C3H6O | 000067-64-1 | 9 |
| 4 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |
| 5 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |



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Operator : UM/SJ
Sample : H5110-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** IMPACT-57-STONE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
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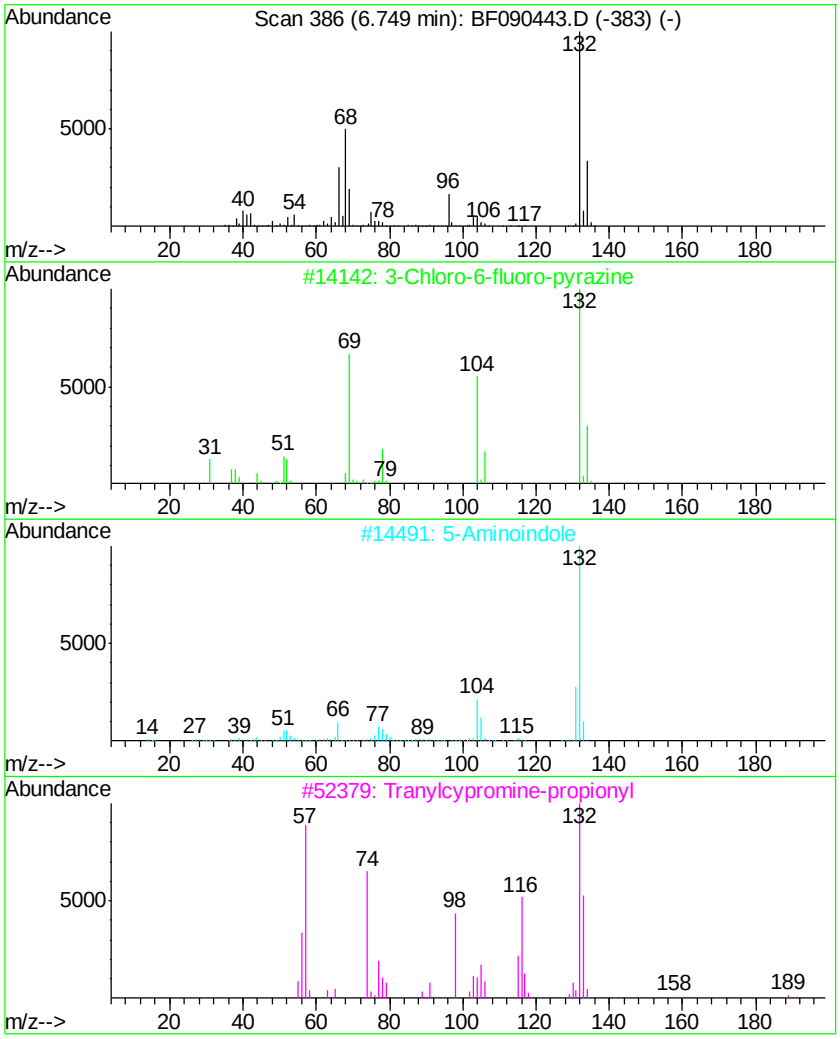
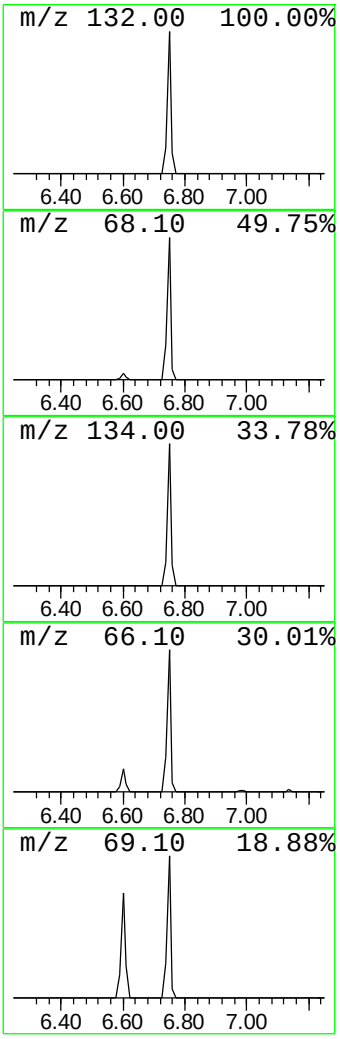
Peak Number 3 unknown6.75 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.75 | 62.96 ng | 3883880 | 1,4-Dichlorobenzene-d4 | 6.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 16 |
| 2 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 4 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 9 |
| 5 | 1-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2 | 064608-59-9 | 9 |



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Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** IMPACT-57-STONE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
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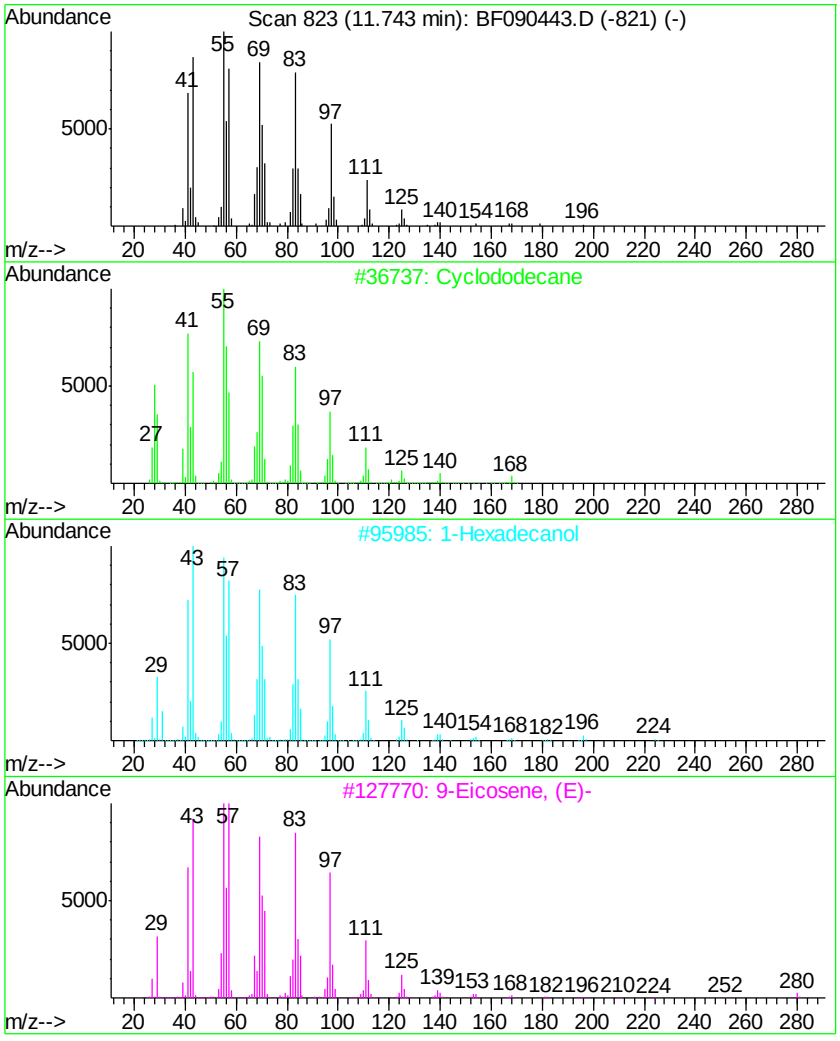
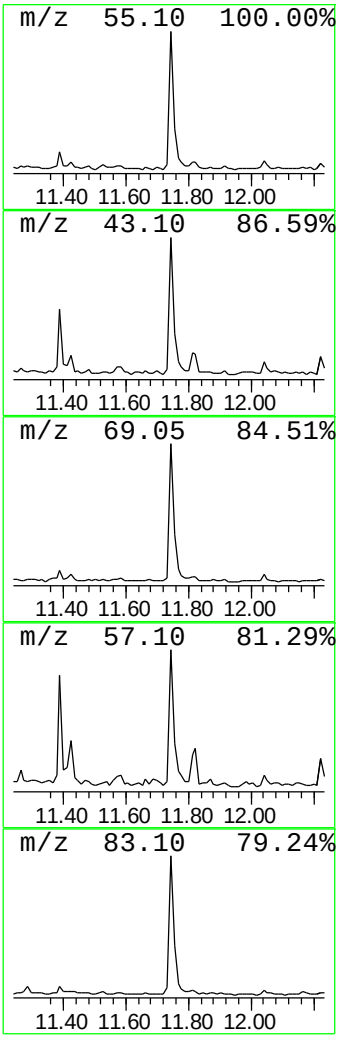
Peak Number 5 Cyclododecane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.74 | 3.04 ng | 340330 | Phenanthrene-d10 | 11.53 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclododecane | 168 | C12H24 | 000294-62-2 | 94 |
| 2 | 1-Hexadecanol | 242 | C16H34O | 036653-82-4 | 94 |
| 3 | 9-Eicosene, (E)- | 280 | C20H40 | 074685-29-3 | 91 |
| 4 | n-Heptadecanol-1 | 256 | C17H36O | 001454-85-9 | 91 |
| 5 | 9-Octadecene, (E)- | 252 | C18H36 | 007206-25-9 | 91 |



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Misc :
ALS Vial : 7 Sample Multiplier: 1

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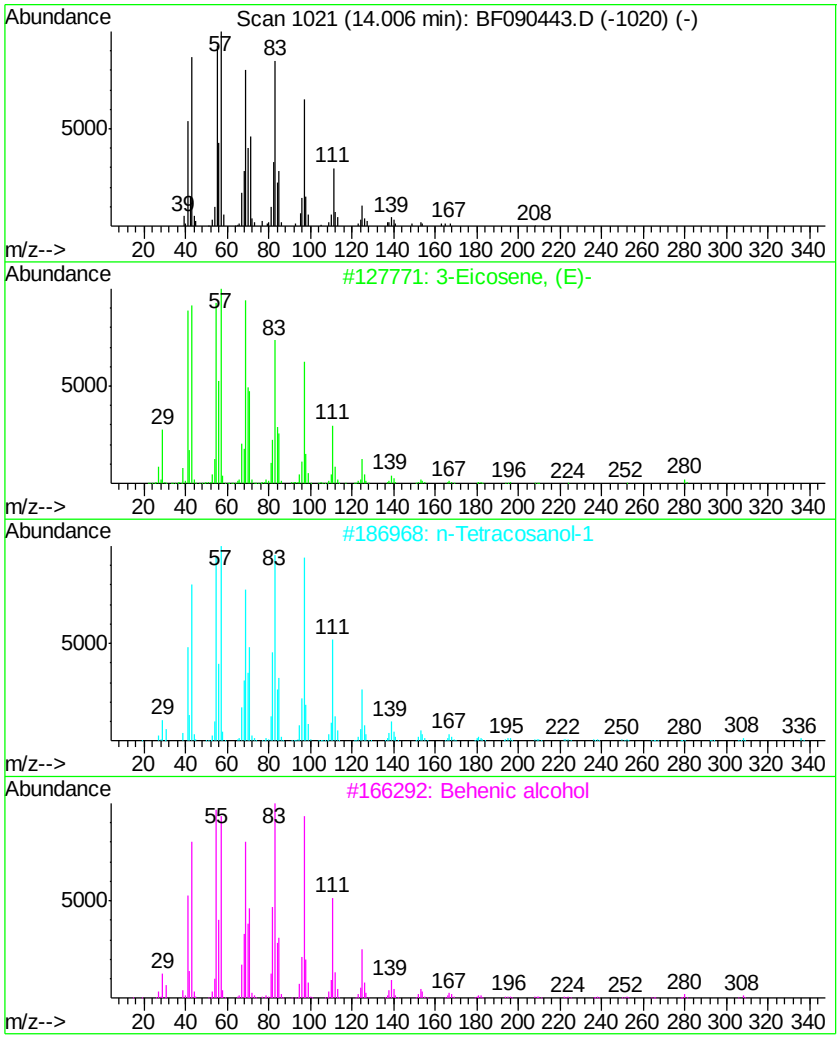
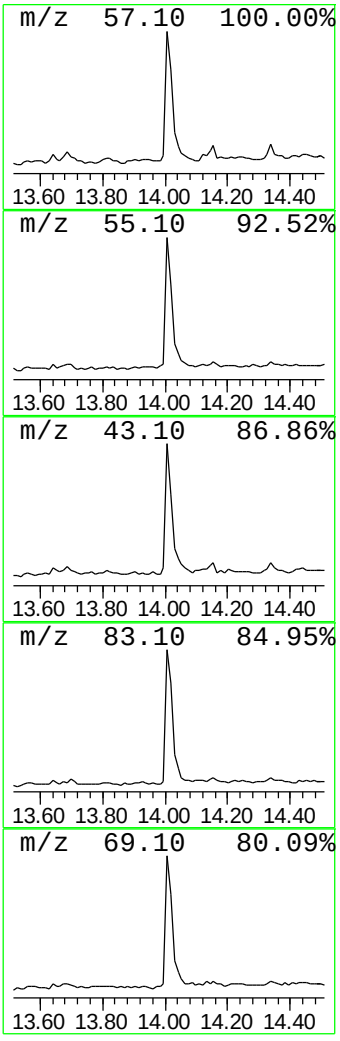
Peak Number 6 3-Eicosene, (E)- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.01 | 3.19 ng | 338192 | Chrysene-d12 | 14.18 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 95 |
| 2 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 94 |
| 3 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 94 |
| 4 | 9-Eicosene, (E)- | 280 | C20H40 | 074685-29-3 | 91 |
| 5 | 1-Heptacosanol | 396 | C27H56O | 002004-39-9 | 91 |



# Tentatively Identified Compound (LSC) summary

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| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 3-Penten-2-one, 4... | 4.55 | 6.0 | ng | 371470 | 1 | 6.99 | 1233750 | 20.0 |
| 2-Pentanone, 4-hy... | 5.18 | 20.9 | ng | 1290900 | 1 | 6.99 | 1233750 | 20.0 |
| unknown6.75 | 6.75 | 63.0 | ng | 3883880 | 1 | 6.99 | 1233750 | 20.0 |
| Cyclododecane | 11.74 | 3.0 | ng | 340330 | 4 | 11.53 | 2238430 | 20.0 |
| 3-Eicosene, (E)- | 14.01 | 3.2 | ng | 338192 | 5 | 14.18 | 2121700 | 20.0 |