LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051815\
Data File : BF079323.D
Acq On : 19 May 2015 00:36
Operator : TP/IZ
Sample : G2270-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-15

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-BF043015.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 | 1.301 | 8 | 10 | 13 | rVB | 2165148 | 2302898 | 34.34% | 12.196% |
| 2 | 1.427 | 19 | 21 | 27 | rVB | 84680 | 167132 | 2.49% | 0.885% |
| 3 | 1.598 | 34 | 36 | 41 | rVB | 72837 | 118142 | 1.76% | 0.626% |
| 4 | 1.667 | 41 | 42 | 50 | rVV | 231725 | 396694 | 5.91% | 2.101% |
| 5 | 1.781 | 50 | 52 | 93 | rVB | 3253709 | 6706792 | 100.00% | 35.518% |
| 6 | 5.450 | 371 | 373 | 376 | rBV | 523738 | 562399 | 8.39% | 2.978% |
| 7 | 6.730 | 483 | 485 | 488 | rBV | 417820 | 595400 | 8.88% | 3.153% |
| 8 | 6.879 | 496 | 498 | 500 | rBV | 690037 | 640450 | 9.55% | 3.392% |
| 9 | 7.165 | 521 | 523 | 525 | rBV | 291243 | 260606 | 3.89% | 1.380% |
| 10 | 7.347 | 537 | 539 | 542 | rVB | 440469 | 466846 | 6.96% | 2.472% |
| 11 | 7.862 | 581 | 584 | 586 | rBV | 356652 | 366119 | 5.46% | 1.939% |
| 12 | 8.742 | 659 | 661 | 666 | rBV | 436828 | 402022 | 5.99% | 2.129% |
| 13 | 10.091 | 777 | 779 | 781 | rBV | 869845 | 757836 | 11.30% | 4.013% |
| 14 | 10.914 | 849 | 851 | 853 | rVB | 450952 | 432380 | 6.45% | 2.290% |
| 15 | 11.897 | 934 | 937 | 940 | rBV | 503992 | 533426 | 7.95% | 2.825% |
| 16 | 12.091 | 952 | 954 | 958 | rVB | 48405 | 70650 | 1.05% | 0.374% |
| 17 | 12.754 | 1010 | 1012 | 1014 | rBV | 467023 | 512958 | 7.65% | 2.717% |
| 18 | 12.788 | 1014 | 1015 | 1017 | rVB | 154058 | 111299 | 1.66% | 0.589% |
| 19 | 14.262 | 1142 | 1144 | 1146 | rVB | 230088 | 220846 | 3.29% | 1.170% |
| 20 | 14.537 | 1166 | 1168 | 1170 | rBV | 192868 | 236456 | 3.53% | 1.252% |
| 21 | 14.754 | 1184 | 1187 | 1189 | rBV | 873545 | 955652 | 14.25% | 5.061% |
| 22 | 15.931 | 1288 | 1290 | 1294 | rBV2 | 88152 | 164155 | 2.45% | 0.869% |
| 23 | 16.045 | 1297 | 1300 | 1302 | rVV2 | 527712 | 694876 | 10.36% | 3.680% |
| 24 | 16.091 | 1302 | 1304 | 1308 | rVB2 | 109994 | 201920 | 3.01% | 1.069% |
| 25 | 16.743 | 1359 | 1361 | 1364 | rBV2 | 61590 | 104507 | 1.56% | 0.553% |
| 26 | 17.337 | 1411 | 1413 | 1418 | rBV | 83408 | 264169 | 3.94% | 1.399% |
| 27 | 17.531 | 1428 | 1430 | 1433 | rBV2 | 74827 | 106848 | 1.59% | 0.566% |
| 28 | 17.794 | 1450 | 1453 | 1455 | rBV | 371515 | 529564 | 7.90% | 2.804% |

Sum of corrected areas: 18883042

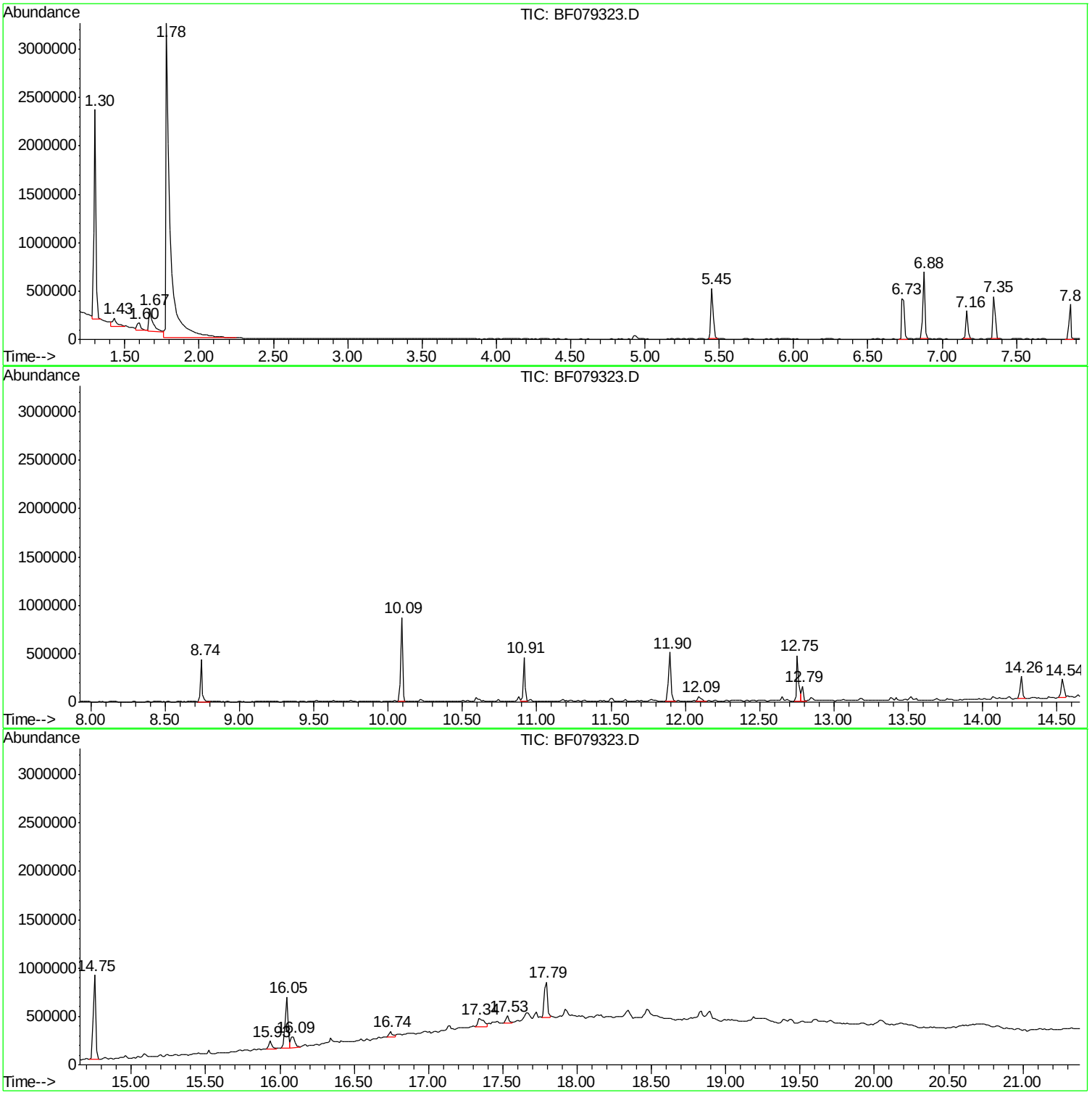
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051815\
Data File : BF079323.D
Acq On : 19 May 2015 00:36
Operator : TP/IZ
Sample : G2270-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051815\
Data File : BF079323.D
Acq On : 19 May 2015 00:36
Operator : TP/IZ
Sample : G2270-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

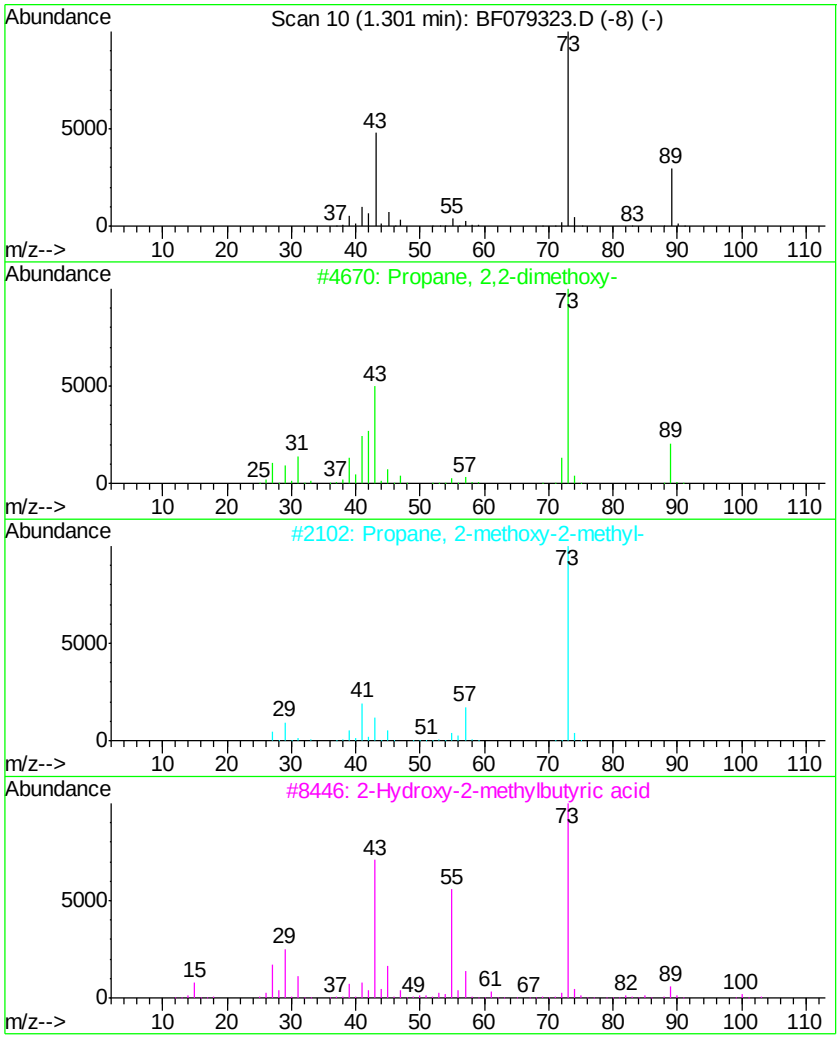
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

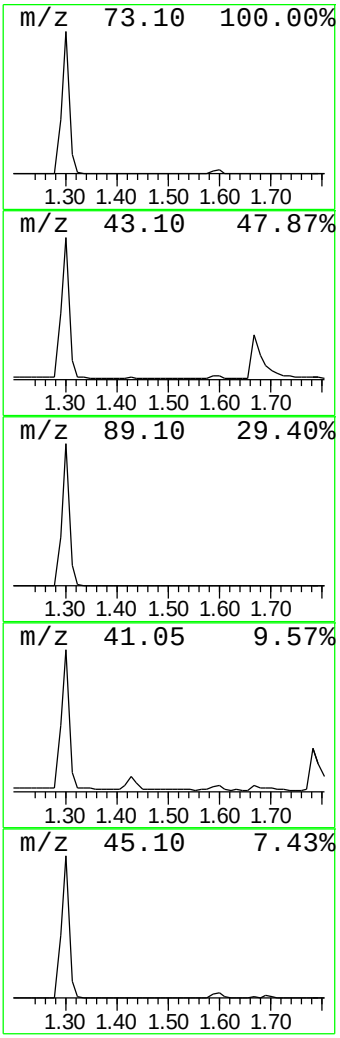
**********

Peak Number 1 unknown1.30 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.30 | 176.73 ng | 2302900 | 1,4-Dichlorobenzene-d4 | 7.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 2,2-dimethoxy- | 104 | C5H12O2 | 000077-76-9 | 39 |
| 2 | Propane, 2-methoxy-2-methyl- | 88 | C5H12O | 001634-04-4 | 9 |
| 3 | 2-Hydroxy-2-methylbutyric acid | 118 | C5H10O3 | 003739-30-8 | 9 |
| 4 | 1-Hexen-4-ol, 1-chloro-3,5-dimet... | 162 | C8H15ClO | 100244-09-5 | 9 |
| 5 | Methane, isothiocyanato- | 73 | C2H3NS | 000556-61-6 | 7 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051815\
Data File : BF079323.D
Acq On : 19 May 2015 00:36
Operator : TP/IZ
Sample : G2270-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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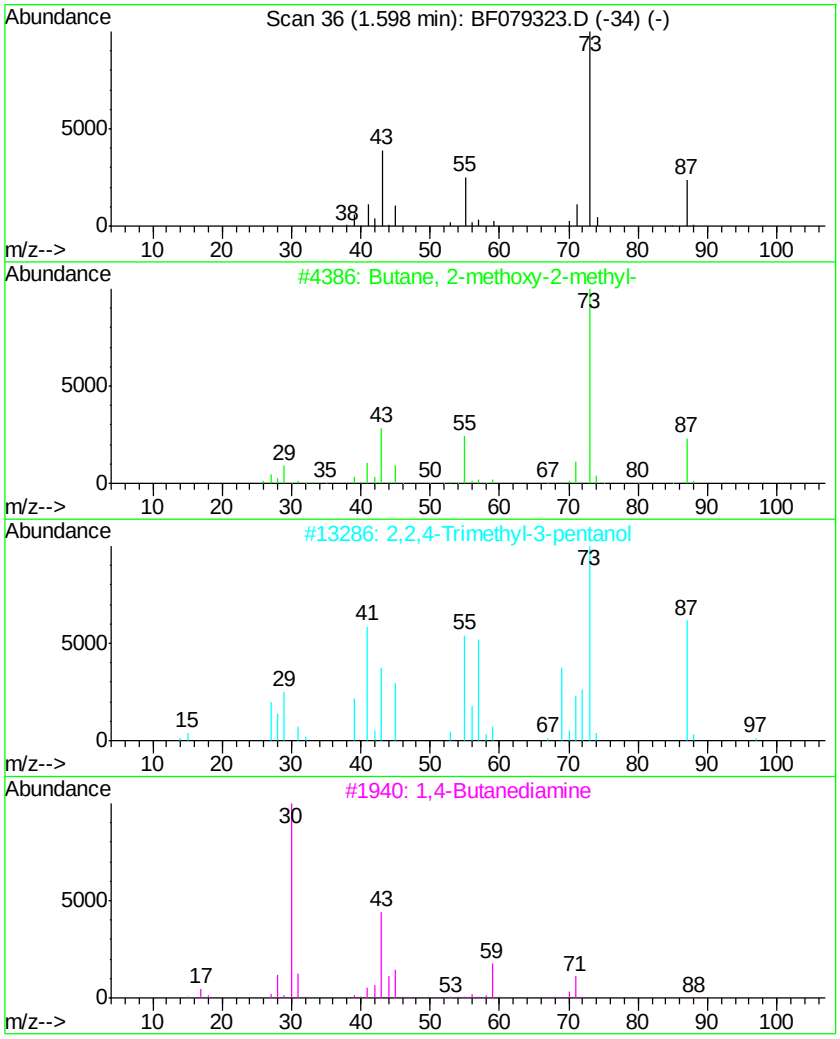
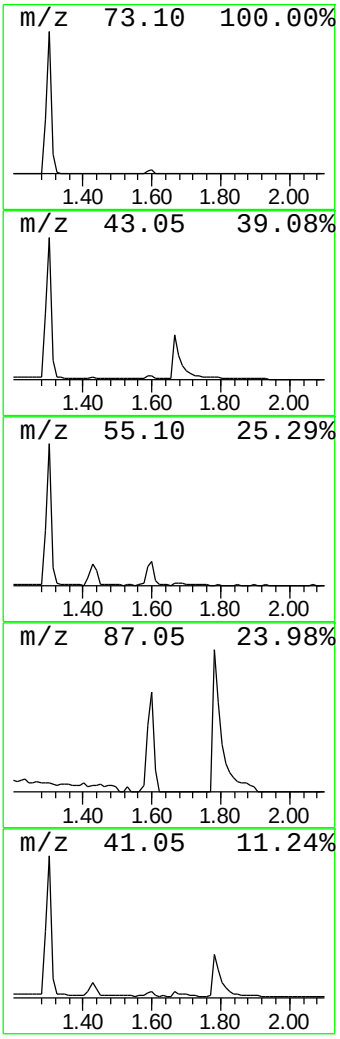
Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.60 | 9.07 ng | 118142 | 1,4-Dichlorobenzene-d4 | 7.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 38 |
| 3 | 1,4-Butanediamine | 88 | C4H12N2 | 000110-60-1 | 22 |
| 4 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 5 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051815\
Data File : BF079323.D
Acq On : 19 May 2015 00:36
Operator : TP/IZ
Sample : G2270-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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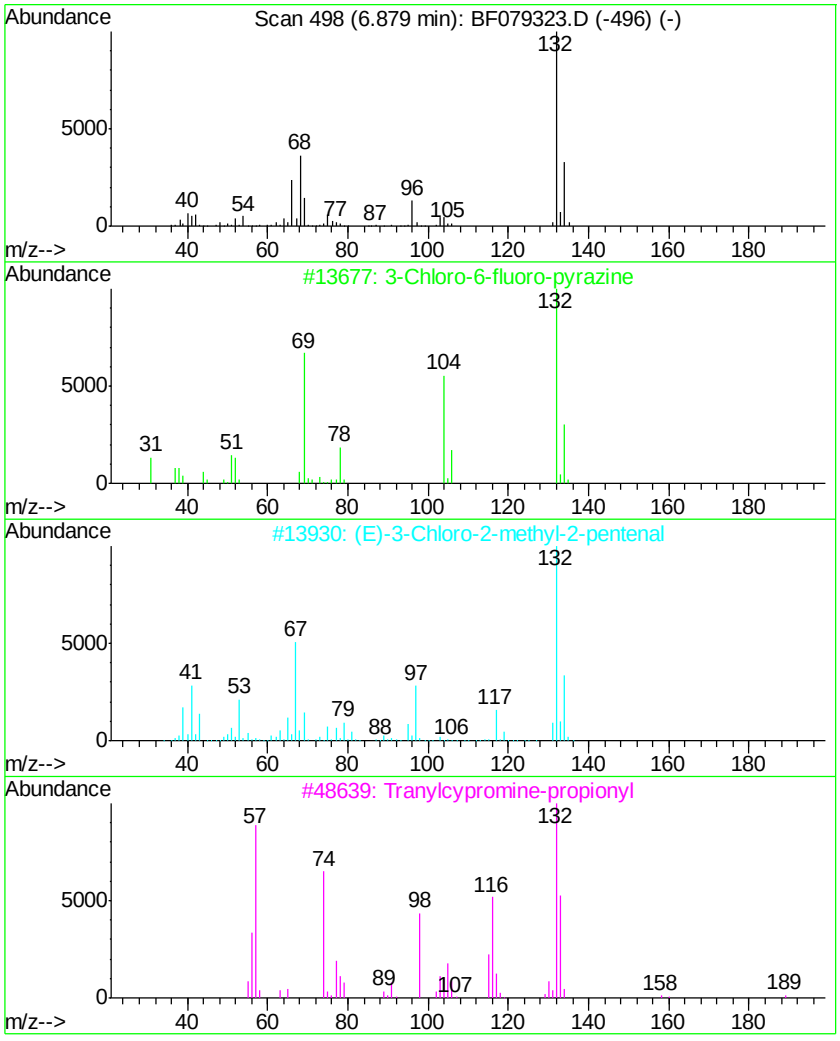
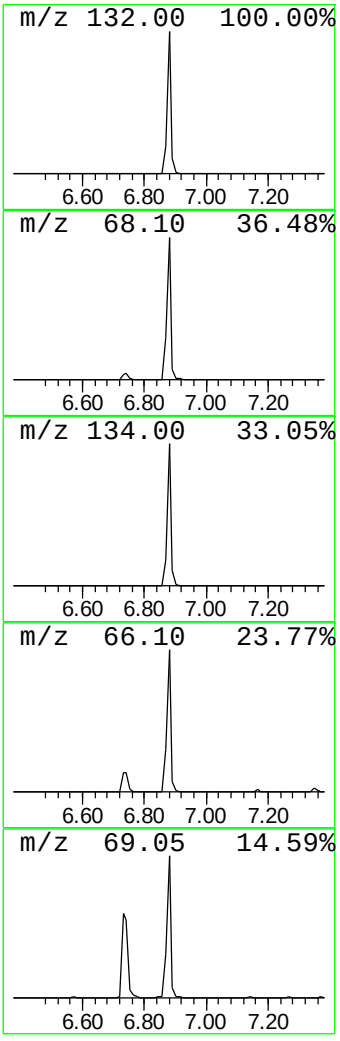
Peak Number 6 unknown6.88 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.88 | 49.15 ng | 640450 | 1,4-Dichlorobenzene-d4 | 7.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 35 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 17 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 4 | Amphetaminil | 250 | C17H18N2 | 017590-01-1 | 12 |
| 5 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051815\
Data File : BF079323.D
Acq On : 19 May 2015 00:36
Operator : TP/IZ
Sample : G2270-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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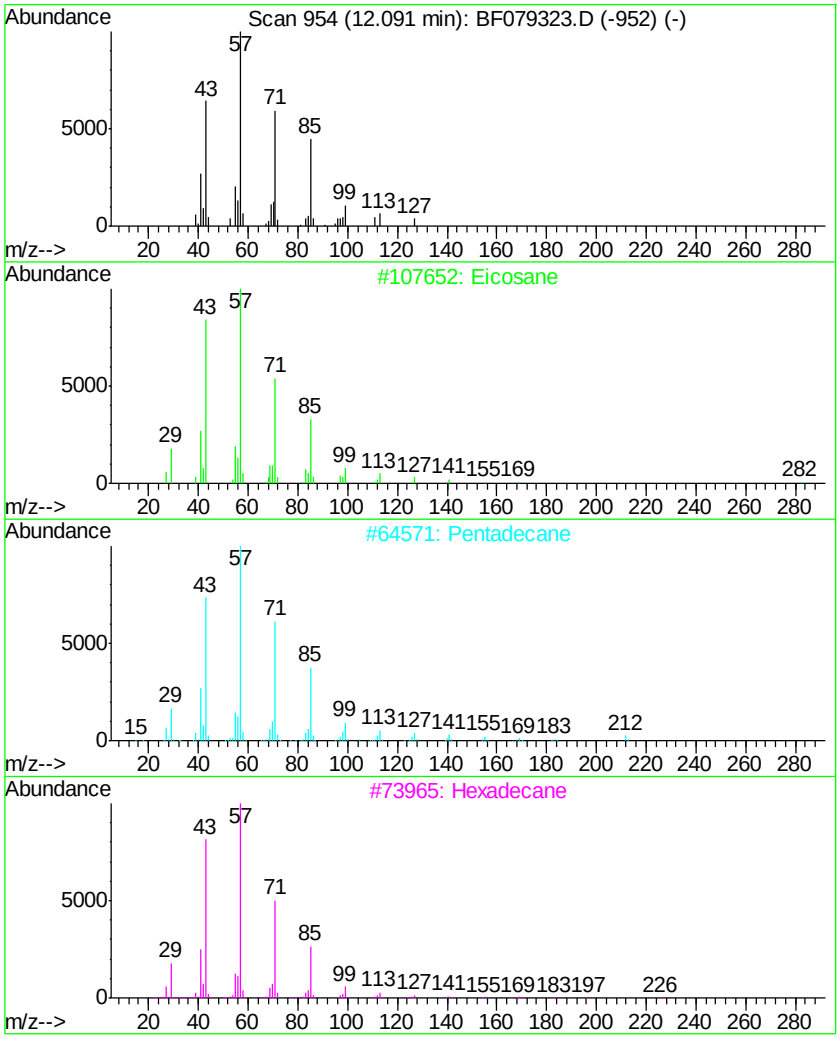
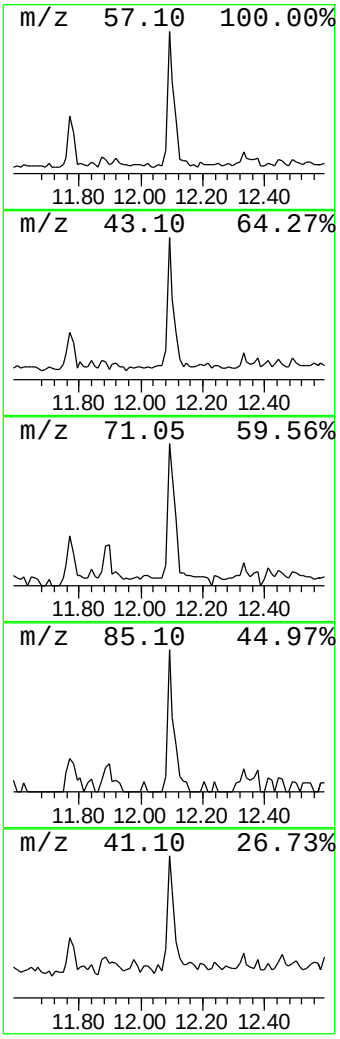
Peak Number 8 Eicosane Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.09 | 2.75 ng | 70650 | Phenanthrene-d10 | 12.75 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 87 |
| 2 | Pentadecane | 212 | C15H32 | 000629-62-9 | 86 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 86 |
| 4 | Tetradecane | 198 | C14H30 | 000629-59-4 | 86 |
| 5 | Nonadecane | 268 | C19H40 | 000629-92-5 | 80 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051815\
Data File : BF079323.D
Acq On : 19 May 2015 00:36
Operator : TP/IZ
Sample : G2270-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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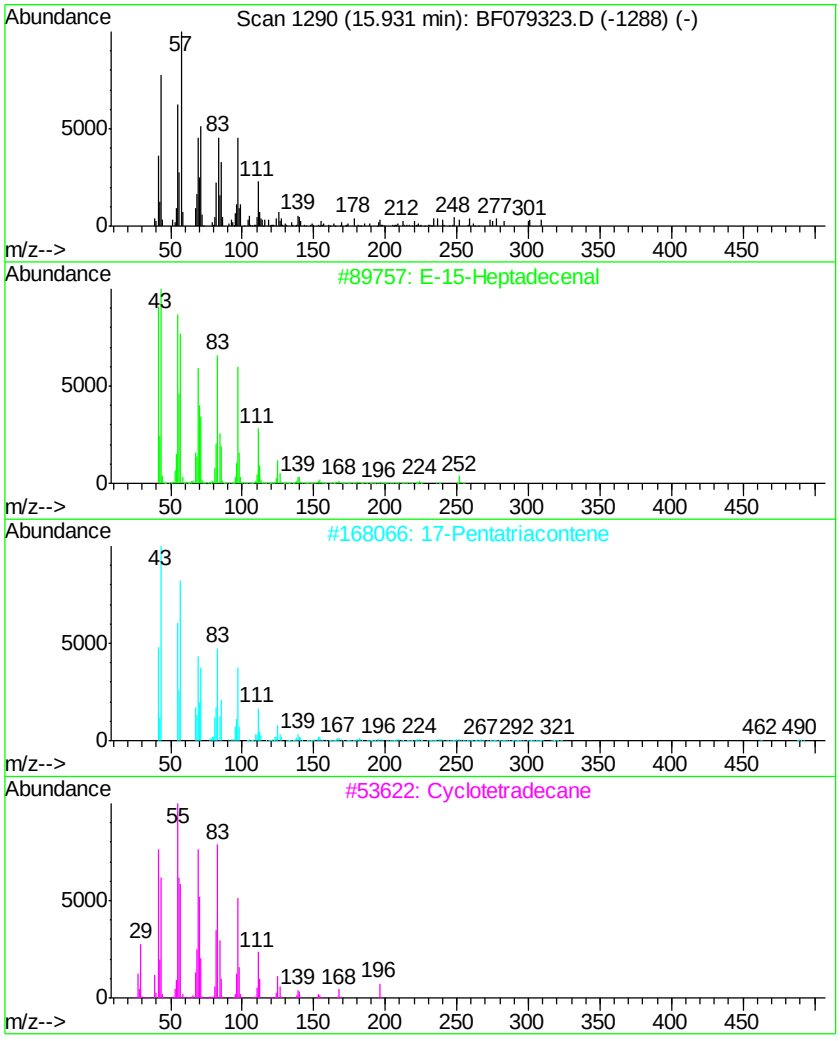
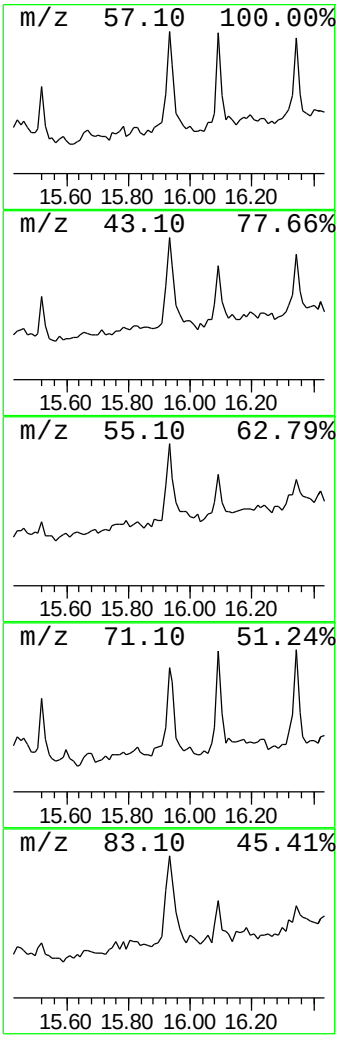
Peak Number 9 E-15-Heptadecenal Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.93 | 4.72 ng | 164155 | Chrysene-d12 | 16.05 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | E-15-Heptadecenal | 252 | C17H32O | 1000130-97-9 | 90 |
| 2 | 17-Pentatriacontene | 491 | C35H70 | 006971-40-0 | 87 |
| 3 | Cyclotetradecane | 196 | C14H28 | 000295-17-0 | 83 |
| 4 | Ethanol, 2-(tetradecyloxy)- | 258 | C16H34O2 | 002136-70-1 | 68 |
| 5 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 62 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051815\
Data File : BF079323.D
Acq On : 19 May 2015 00:36
Operator : TP/IZ
Sample : G2270-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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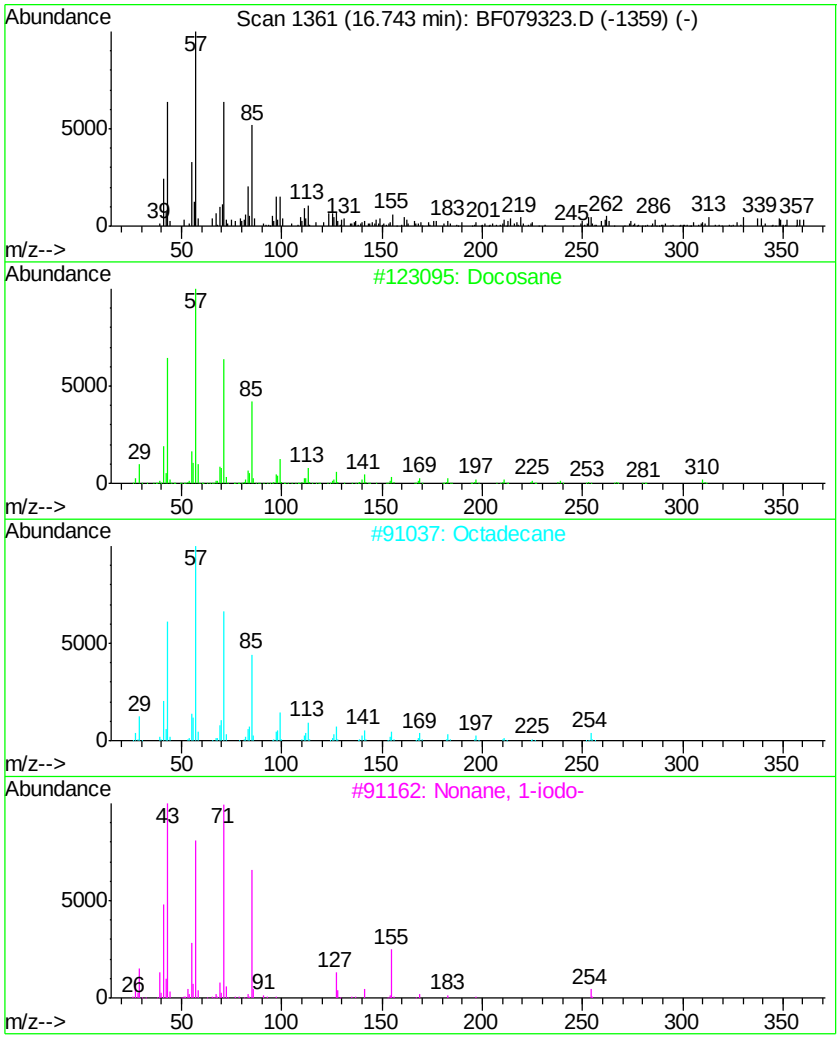
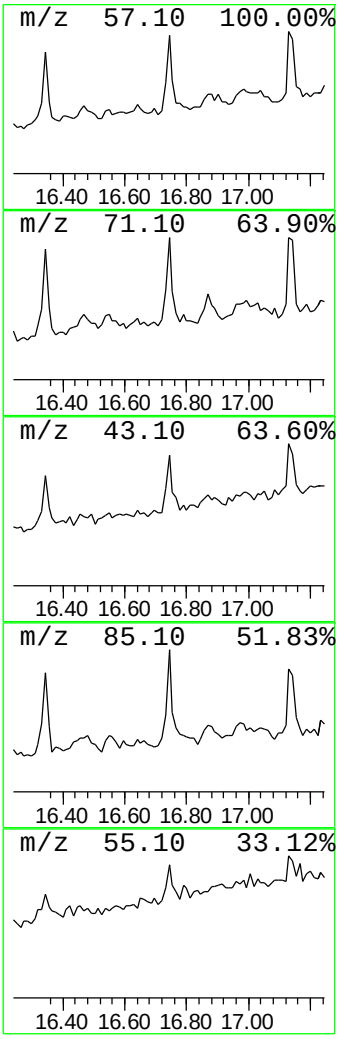
Peak Number 10 Docosane Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.74 | 3.01 ng | 104507 | Chrysene-d12 | 16.05 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Docosane | 310 | C22H46 | 000629-97-0 | 91 |
| 2 | Octadecane | 254 | C18H38 | 000593-45-3 | 86 |
| 3 | Nonane, 1-iodo- | 254 | C9H19I | 004282-42-2 | 86 |
| 4 | Tricosane | 324 | C23H48 | 000638-67-5 | 83 |
| 5 | Heneicosane, 11-decyl- | 437 | C31H64 | 055320-06-4 | 58 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051815\
Data File : BF079323.D
Acq On : 19 May 2015 00:36
Operator : TP/IZ
Sample : G2270-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

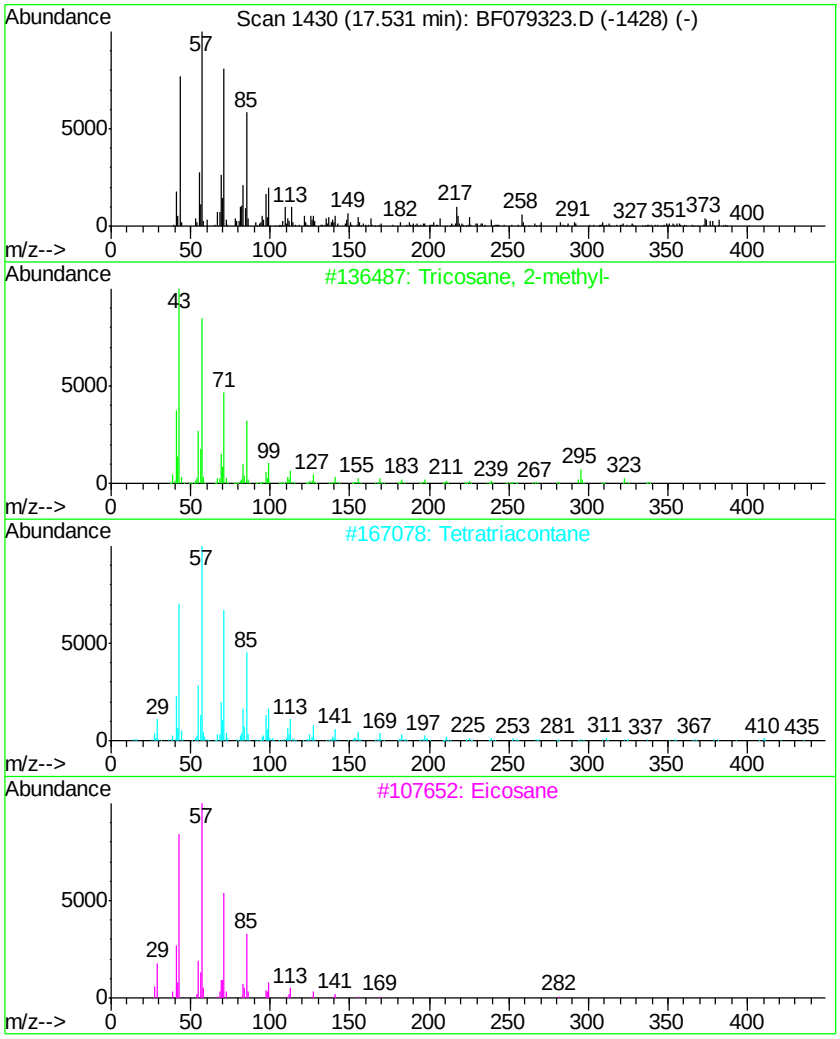
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

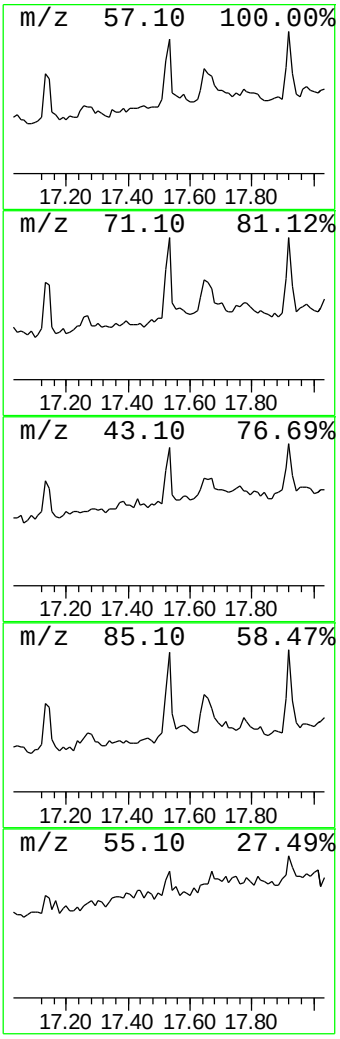
**********

Peak Number 11 Tricosane, 2-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.53 | 4.04 ng | 106848 | Perylene-d12 | 17.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tricosane, 2-methyl- | 338 | C24H50 | 001928-30-9 | 83 |
| 2 | Tetratriacontane | 479 | C34H70 | 014167-59-0 | 80 |
| 3 | Eicosane | 282 | C20H42 | 000112-95-8 | 68 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 64 |
| 5 | Decane, 3,8-dimethyl- | 170 | C12H26 | 017312-55-9 | 64 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051815\
Data File : BF079323.D
Acq On : 19 May 2015 00:36
Operator : TP/IZ
Sample : G2270-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
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 |
| unknown1.30 | 1.30 | 176.7 | ng | 2302900 | 1 | 7.16 | 260606 | 20.0 |
| Butane, 2-methoxy... | 1.60 | 9.1 | ng | 118142 | 1 | 7.16 | 260606 | 20.0 |
| unknown6.88 | 6.88 | 49.1 | ng | 640450 | 1 | 7.16 | 260606 | 20.0 |
| Eicosane | 12.09 | 2.8 | ng | 70650 | 4 | 12.75 | 512958 | 20.0 |
| E-15-Heptadecenal | 15.93 | 4.7 | ng | 164155 | 5 | 16.05 | 694876 | 20.0 |
| Docosane | 16.74 | 3.0 | ng | 104507 | 5 | 16.05 | 694876 | 20.0 |
| Tricosane, 2-methyl- | 17.53 | 4.0 | ng | 106848 | 6 | 17.79 | 529564 | 20.0 |