LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092718\
Data File : BF109395.D
Acq On : 27 Sep 2018 18:49
Operator : JU/SJ
Sample : J5066-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EP1-Q1-FD01

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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 | 4.898 | 474 | 478 | 493 | rVB | 60430 | 77540 | 3.19% | 0.379% |
| 2 | 5.316 | 544 | 549 | 552 | rBV | 2011659 | 1900652 | 78.15% | 9.280% |
| 3 | 6.345 | 719 | 724 | 733 | rBV | 2109048 | 2107659 | 86.66% | 10.291% |
| 4 | 6.475 | 742 | 746 | 749 | rBV | 2328566 | 2057941 | 84.62% | 10.048% |
| 5 | 6.704 | 782 | 785 | 788 | rBV | 826654 | 661646 | 27.21% | 3.230% |
| 6 | 6.863 | 808 | 812 | 815 | rBV | 1971211 | 1574061 | 64.72% | 7.685% |
| 7 | 7.269 | 876 | 881 | 884 | rBV | 1329487 | 1308519 | 53.80% | 6.389% |
| 8 | 7.316 | 887 | 889 | 893 | rVB | 40003 | 33351 | 1.37% | 0.163% |
| 9 | 7.986 | 999 | 1003 | 1014 | rBV | 1058448 | 878735 | 36.13% | 4.290% |
| 10 | 9.063 | 1182 | 1186 | 1189 | rBV | 2981232 | 2431969 | 100.00% | 11.874% |
| 11 | 9.457 | 1249 | 1253 | 1259 | rBV | 621091 | 530955 | 21.83% | 2.592% |
| 12 | 9.733 | 1296 | 1300 | 1304 | rBV | 1051194 | 981482 | 40.36% | 4.792% |
| 13 | 10.522 | 1430 | 1434 | 1443 | rBV | 1436004 | 1355482 | 55.74% | 6.618% |
| 14 | 10.663 | 1454 | 1458 | 1464 | rVB3 | 26056 | 38584 | 1.59% | 0.188% |
| 15 | 11.127 | 1534 | 1537 | 1541 | rVB | 31825 | 31418 | 1.29% | 0.153% |
| 16 | 11.210 | 1548 | 1551 | 1554 | rBV | 976808 | 891504 | 36.66% | 4.353% |
| 17 | 11.233 | 1554 | 1555 | 1558 | rVB | 49290 | 30428 | 1.25% | 0.149% |
| 18 | 11.751 | 1640 | 1643 | 1647 | rBV2 | 66827 | 70103 | 2.88% | 0.342% |
| 19 | 12.416 | 1754 | 1756 | 1760 | rBV | 60267 | 58454 | 2.40% | 0.285% |
| 20 | 12.645 | 1793 | 1795 | 1799 | rVB | 60428 | 45317 | 1.86% | 0.221% |
| 21 | 12.792 | 1816 | 1820 | 1824 | rBV | 1900812 | 1830892 | 75.28% | 8.939% |
| 22 | 13.239 | 1894 | 1896 | 1901 | rVB5 | 26791 | 28839 | 1.19% | 0.141% |
| 23 | 13.715 | 1974 | 1977 | 1984 | rVB2 | 70414 | 112318 | 4.62% | 0.548% |
| 24 | 13.839 | 1994 | 1998 | 2001 | rBV | 857959 | 768803 | 31.61% | 3.754% |
| 25 | 15.239 | 2232 | 2236 | 2240 | rBV | 585969 | 674609 | 27.74% | 3.294% |

Sum of corrected areas: 20481261

LSC Report - Integrated Chromatogram

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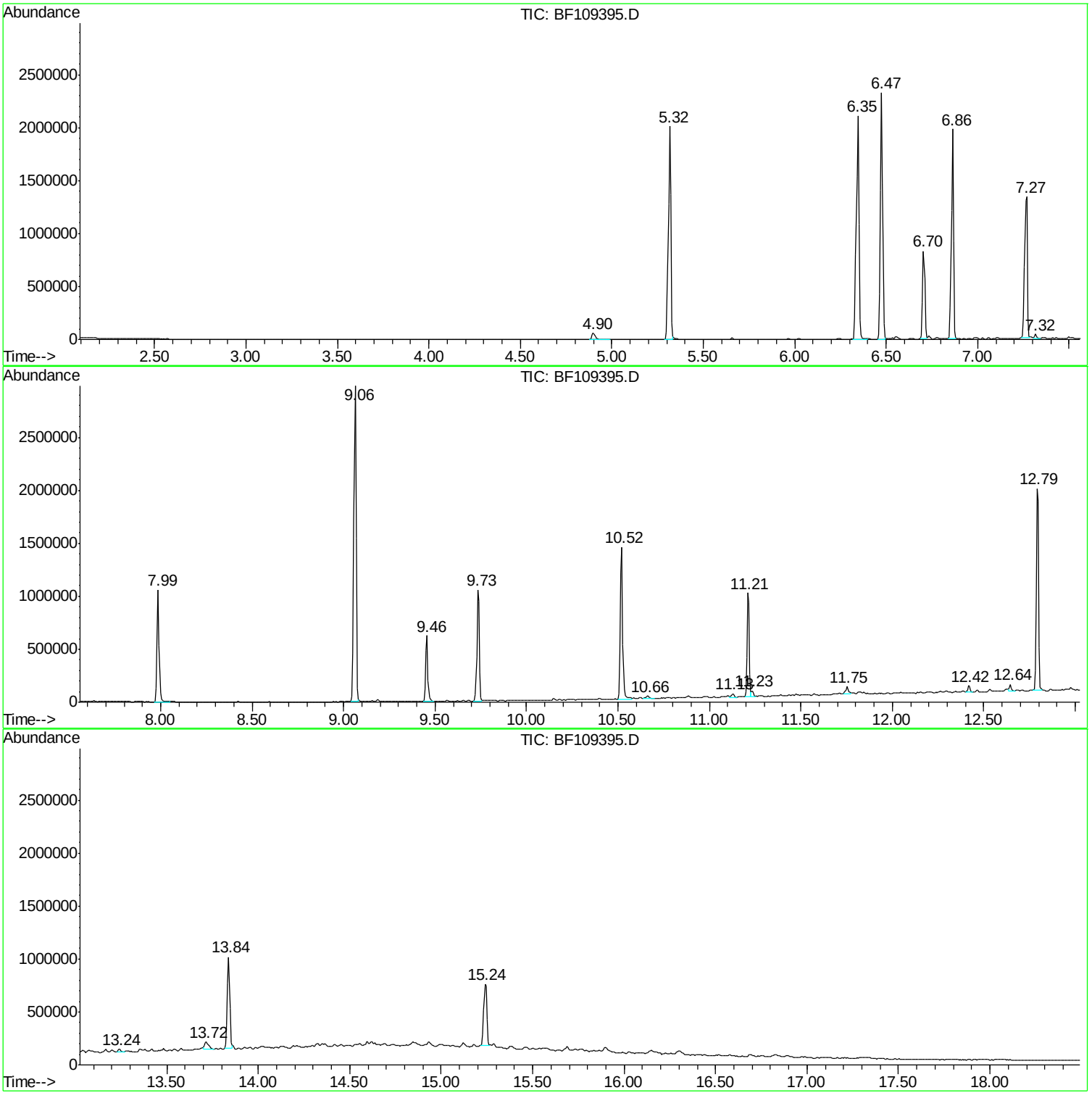
**Instrument :** BNA_F
**ClientSampleId :** EP1-Q1-FD01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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

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Data File : BF109395.D
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Operator : JU/SJ
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**ClientSampleId :** EP1-Q1-FD01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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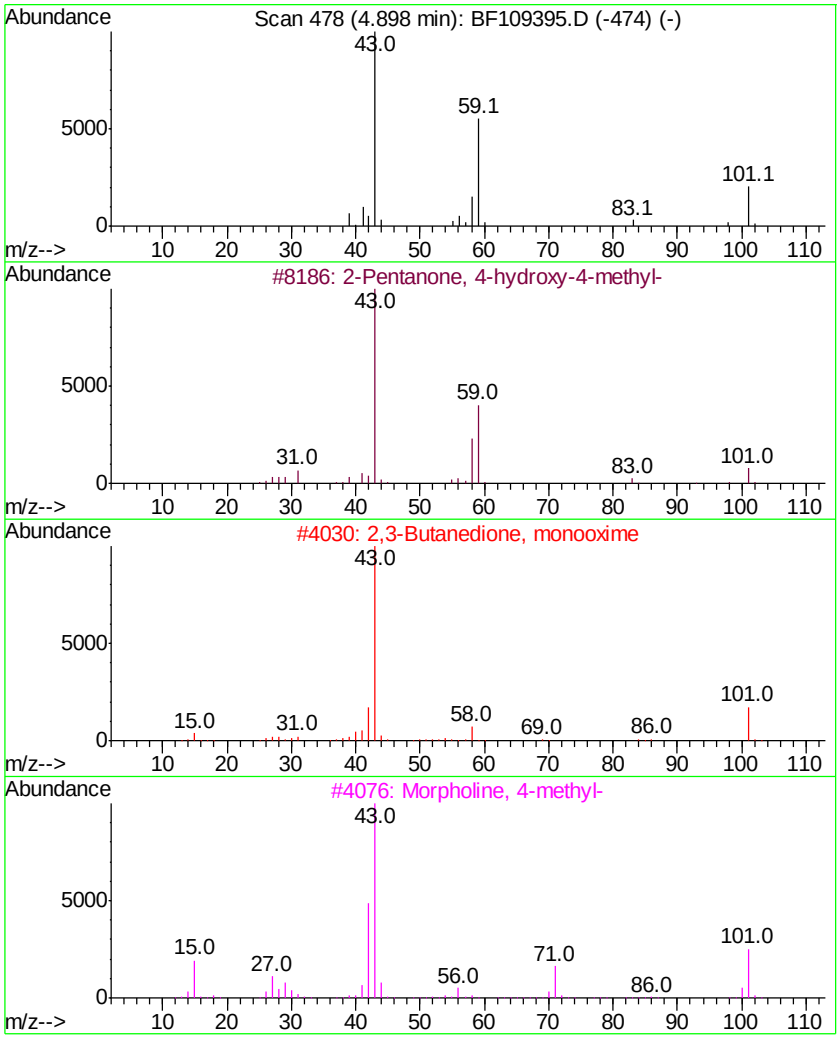
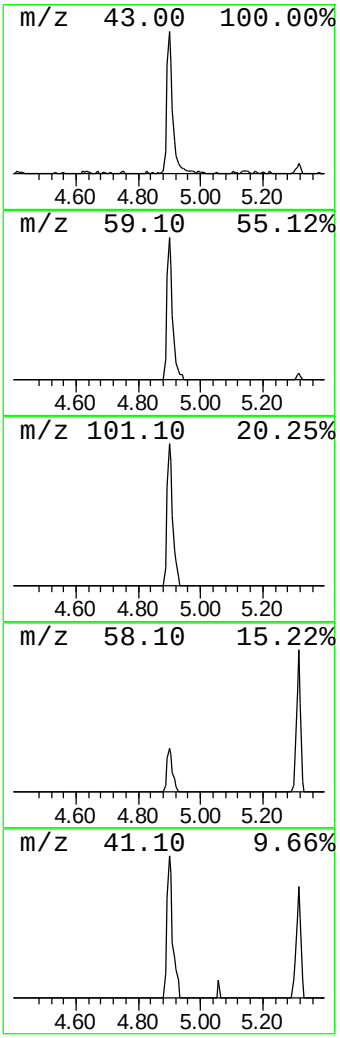
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.90 | 2.34 ng | 77540 | 1,4-Dichlorobenzene-d4 | 6.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 42 |
| 2 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 35 |
| 3 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |
| 4 | n-Propyl t-butyl ether | 116 | C7H16O | 1000334-81-9 | 9 |
| 5 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 9 |



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**Instrument :** BNA_F
**ClientSampleId :** EP1-Q1-FD01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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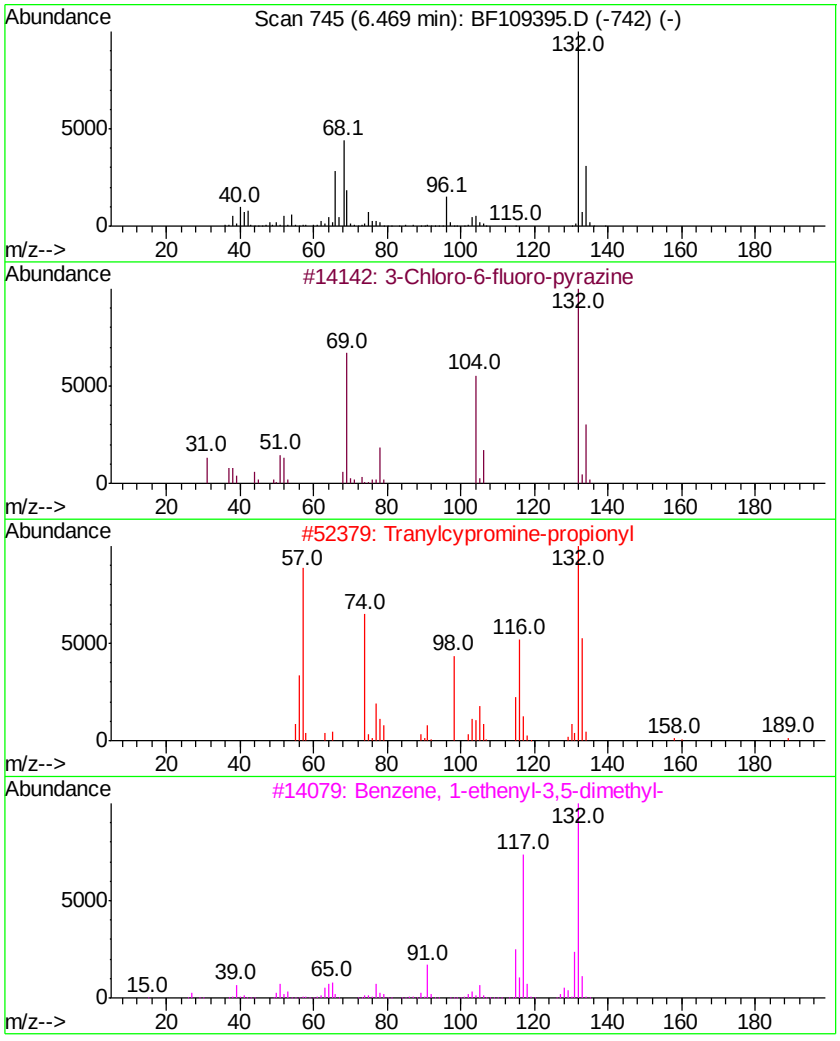
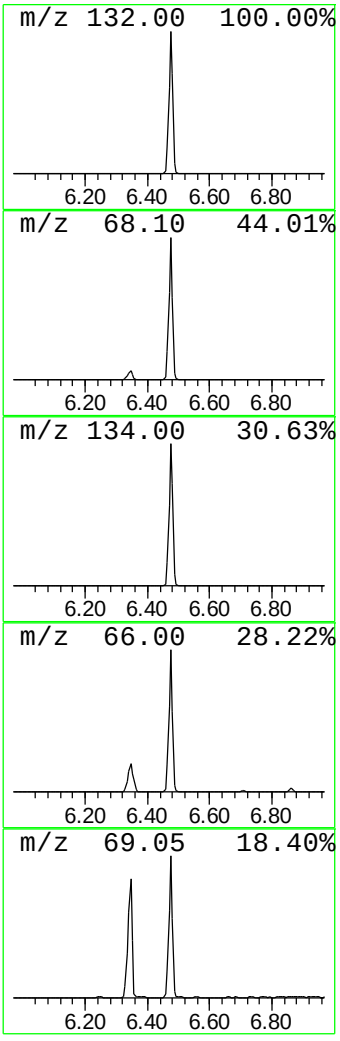
Peak Number 2 unknown6.47 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.47 | 62.21 ng | 2057940 | 1,4-Dichlorobenzene-d4 | 6.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 3 | Benzene, 1-ethenyl-3,5-dimethyl- | 132 | C10H12 | 005379-20-4 | 9 |
| 4 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 9 |
| 5 | 4-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2 | 064608-60-2 | 9 |



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Misc :
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**Instrument :** BNA_F
**ClientSampleId :** EP1-Q1-FD01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
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TIC Integration Parameters: LSCINT.P

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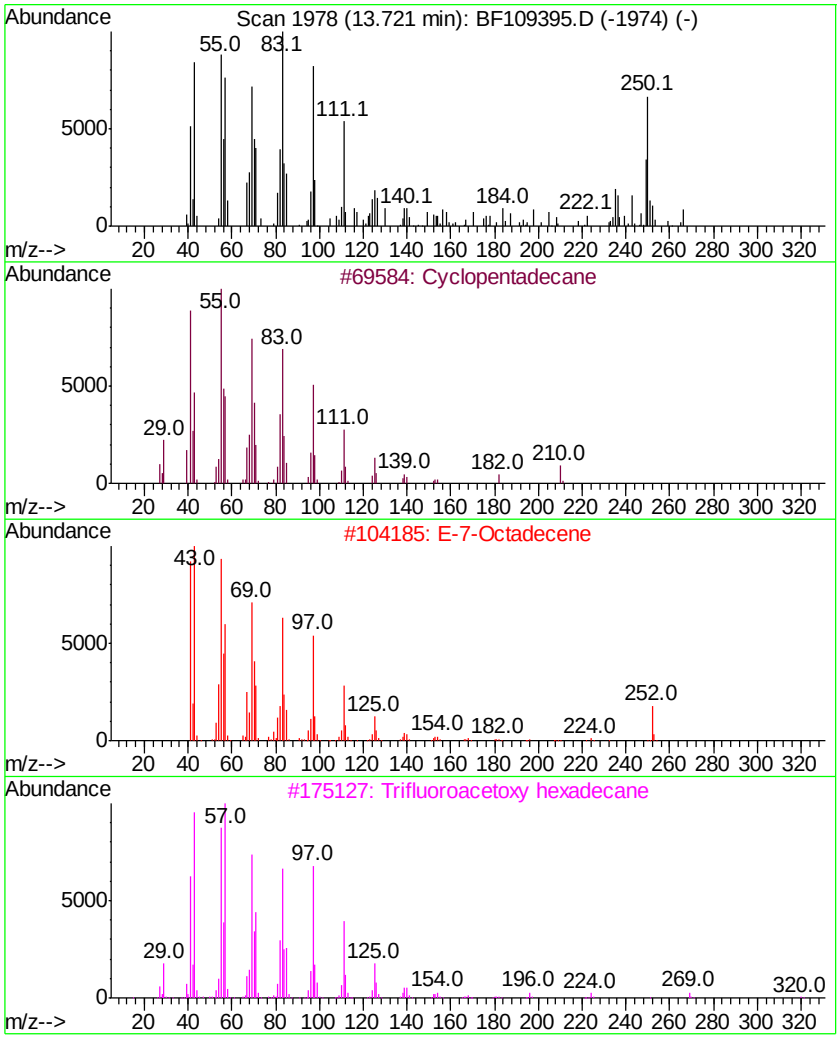
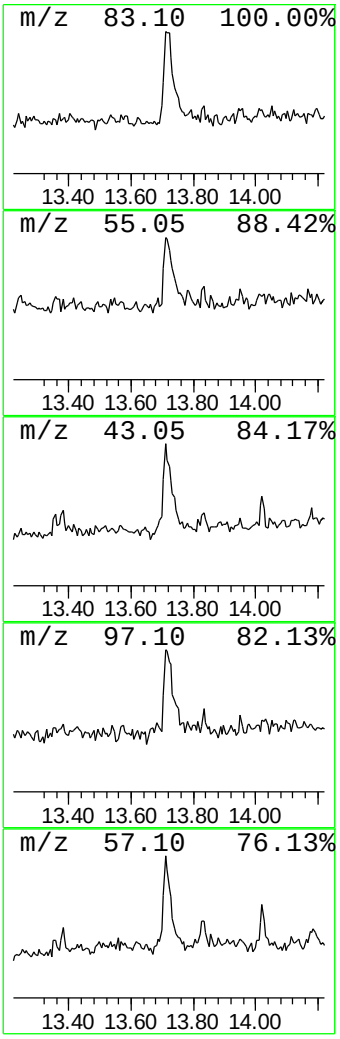
Peak Number 4 Cyclopentadecane Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.72 | 2.92 ng | 112318 | Chrysene-d12 | 13.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentadecane | 210 | C15H30 | 000295-48-7 | 91 |
| 2 | E-7-Octadecene | 252 | C18H36 | 1000130-92-0 | 86 |
| 3 | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 86 |
| 4 | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2 | 959010-23-2 | 86 |
| 5 | 9-Octadecene, (E)- | 252 | C18H36 | 007206-25-9 | 86 |



Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Pentanone, 4-hy... | 4.90 | 2.3 | ng | 77540 | 1 | 6.70 | 661646 | 20.0 |
| unknown6.47 | 6.47 | 62.2 | ng | 2057940 | 1 | 6.70 | 661646 | 20.0 |
| Cyclopentadecane | 13.72 | 2.9 | ng | 112318 | 5 | 13.84 | 768803 | 20.0 |