LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022415\
Data File : BF077420.D
Acq On : 24 Feb 2015 17:25
Operator : IZ / TP
Sample : PB81861BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB81861BL

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-BF021915.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 | 1.024 | 10 | 12 | 20 | rVB6 | 12588 | 32382 | 1.45% | 0.207% |
| 2 | 1.595 | 58 | 62 | 65 | rBV2 | 18252 | 43431 | 1.94% | 0.277% |
| 3 | 1.744 | 74 | 75 | 84 | rVB | 23817 | 41729 | 1.87% | 0.267% |
| 4 | 1.870 | 84 | 86 | 94 | rBV | 61147 | 82908 | 3.71% | 0.530% |
| 5 | 5.093 | 365 | 368 | 373 | rBV | 520056 | 664359 | 29.72% | 4.244% |
| 6 | 5.584 | 409 | 411 | 414 | rBV | 771674 | 1062008 | 47.51% | 6.785% |
| 7 | 6.853 | 519 | 522 | 524 | rBV | 1133136 | 1126361 | 50.39% | 7.196% |
| 8 | 7.013 | 533 | 536 | 538 | rBV | 807088 | 1125248 | 50.34% | 7.189% |
| 9 | 7.299 | 559 | 561 | 564 | rBV | 473729 | 418928 | 18.74% | 2.676% |
| 10 | 7.482 | 575 | 577 | 580 | rVB | 975248 | 1172332 | 52.45% | 7.489% |
| 11 | 7.985 | 619 | 621 | 624 | rBV | 751174 | 863016 | 38.61% | 5.513% |
| 12 | 8.876 | 697 | 699 | 702 | rBV | 639824 | 570612 | 25.53% | 3.645% |
| 13 | 10.225 | 814 | 817 | 819 | rBV | 2226082 | 1928687 | 86.29% | 12.321% |
| 14 | 10.751 | 860 | 863 | 866 | rVB | 23965 | 44284 | 1.98% | 0.283% |
| 15 | 11.048 | 887 | 889 | 892 | rBV | 518605 | 657417 | 29.41% | 4.200% |
| 16 | 12.031 | 973 | 975 | 978 | rBV | 901078 | 845851 | 37.84% | 5.404% |
| 17 | 12.899 | 1048 | 1051 | 1053 | rBV | 675577 | 708558 | 31.70% | 4.527% |
| 18 | 14.579 | 1196 | 1198 | 1201 | rVB | 35355 | 34643 | 1.55% | 0.221% |
| 19 | 14.900 | 1223 | 1226 | 1229 | rBV | 2291789 | 2235125 | 100.00% | 14.279% |
| 20 | 16.248 | 1342 | 1344 | 1347 | rBV | 562425 | 780547 | 34.92% | 4.986% |
| 21 | 16.945 | 1394 | 1405 | 1408 | rBV7 | 8096 | 46504 | 2.08% | 0.297% |
| 22 | 18.168 | 1509 | 1512 | 1515 | rBV | 537011 | 802517 | 35.90% | 5.127% |
| 23 | 20.214 | 1685 | 1691 | 1702 | rBV | 75137 | 365788 | 16.37% | 2.337% |

Sum of corrected areas: 15653235

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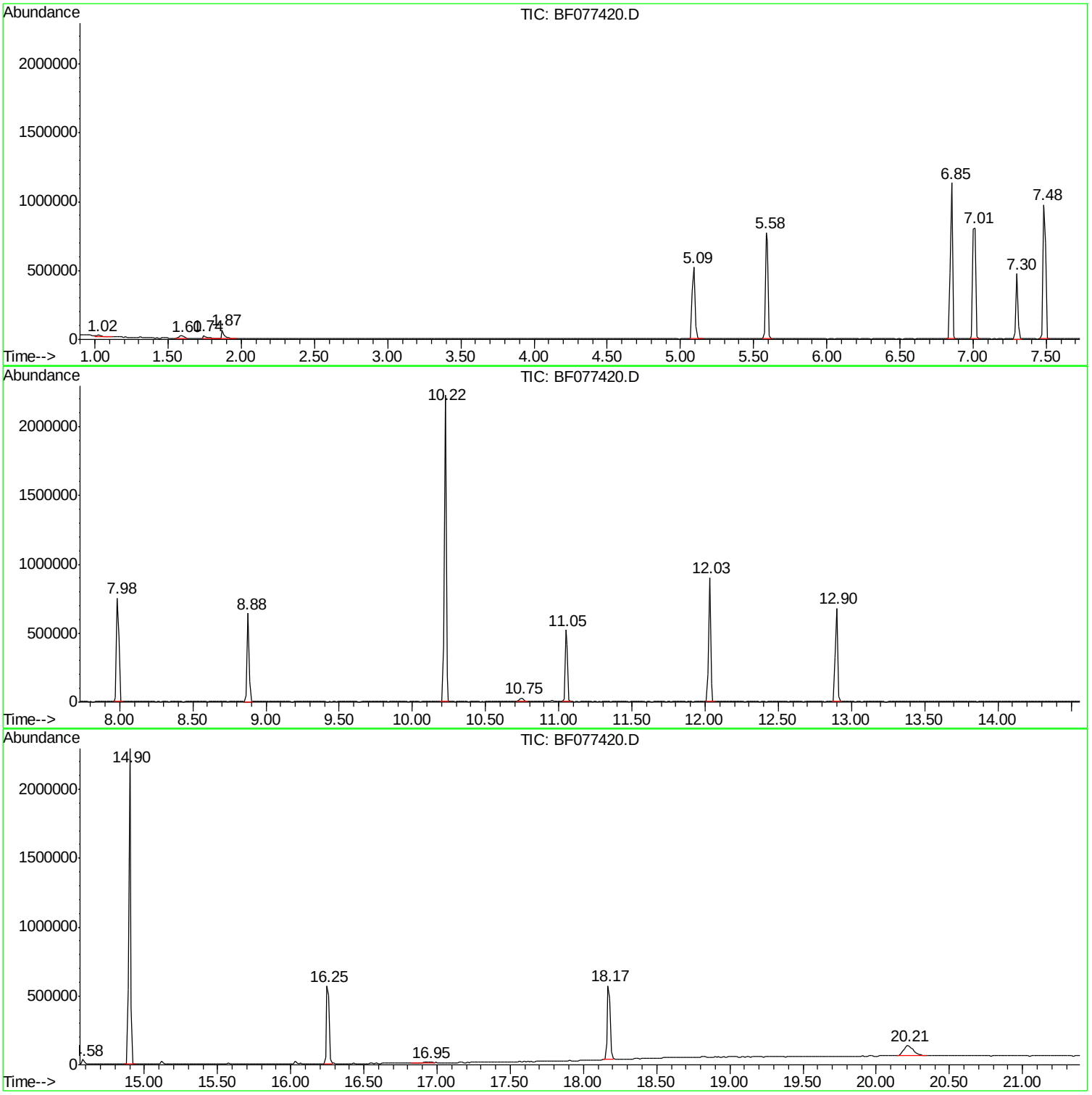
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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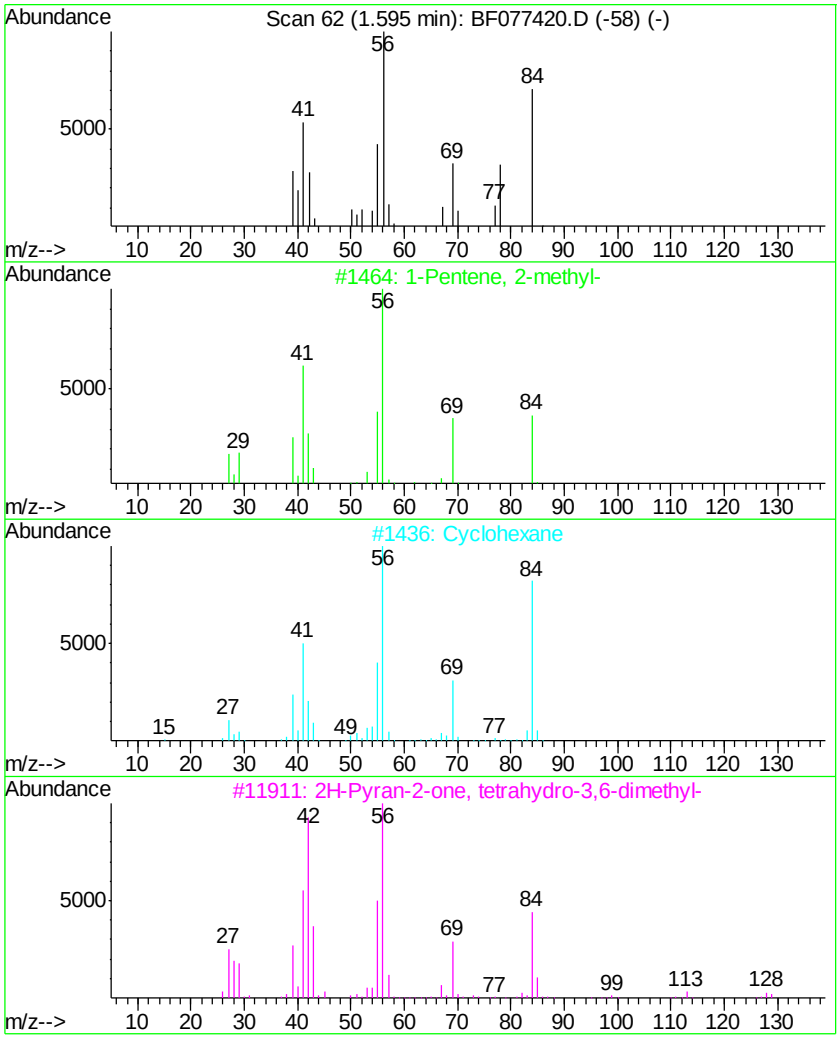
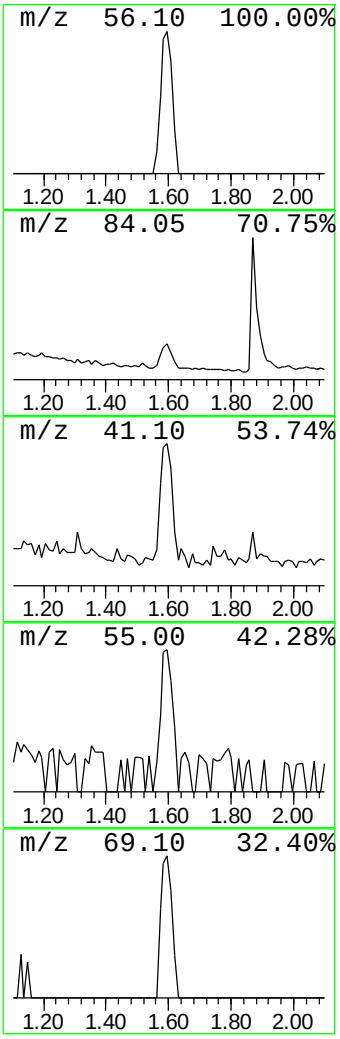
Peak Number 1 1-Pentene, 2-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.60 | 2.07 ng | 43431 | 1,4-Dichlorobenzene-d4 | 7.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Pentene, 2-methyl- | 84 | C6H12 | 000763-29-1 | 64 |
| 2 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 58 |
| 3 | 2H-Pyran-2-one, tetrahydro-3,6-d... | 128 | C7H12O2 | 003720-22-7 | 50 |
| 4 | Oxirane, (1-methylbutyl)- | 114 | C7H14O | 053229-39-3 | 47 |
| 5 | 3-Buten-1-ol, 2-methyl- | 86 | C5H10O | 004516-90-9 | 38 |



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**Instrument :** BNA_F
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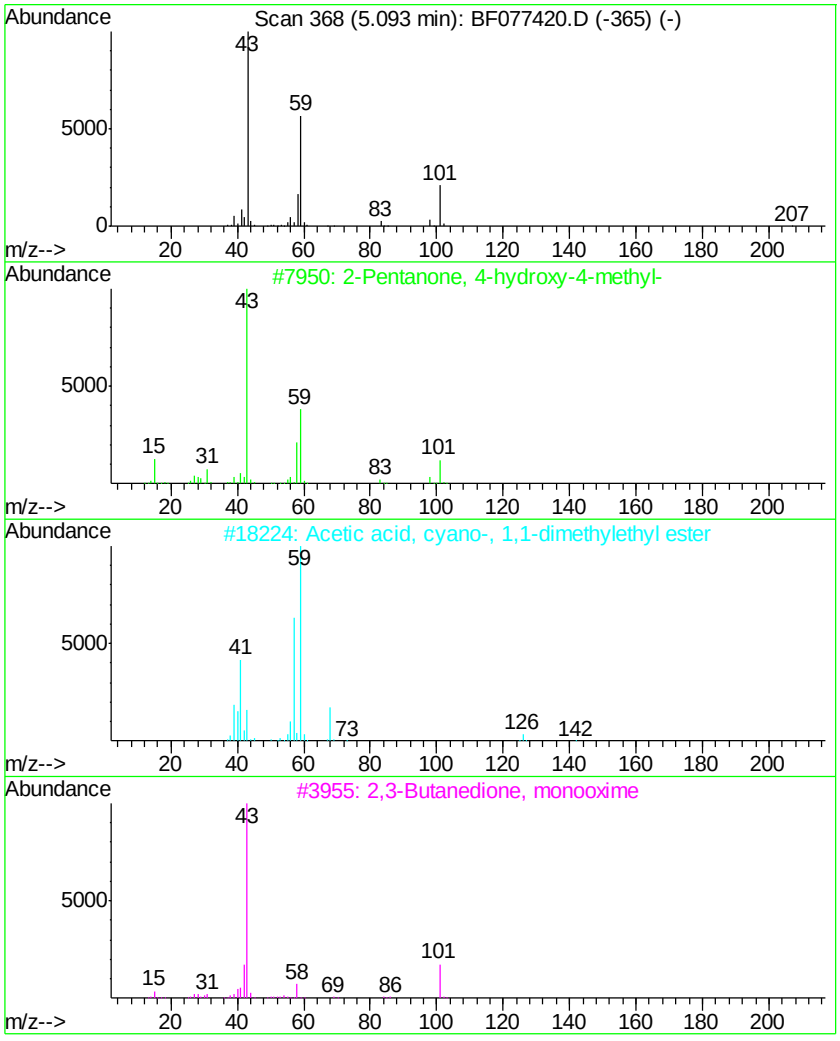
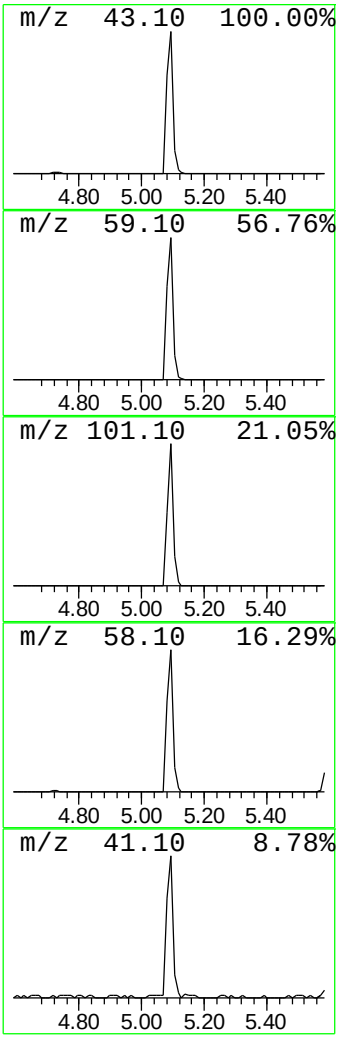
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.09 | 31.72 ng | 664359 | 1,4-Dichlorobenzene-d4 | 7.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 53 |
| 2 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17 |
| 3 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |
| 4 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |
| 5 | 2-Propanone, 1-(1-methylethoxy)- | 116 | C6H12O2 | 042781-12-4 | 9 |



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Sample : PB81861BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB81861BL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
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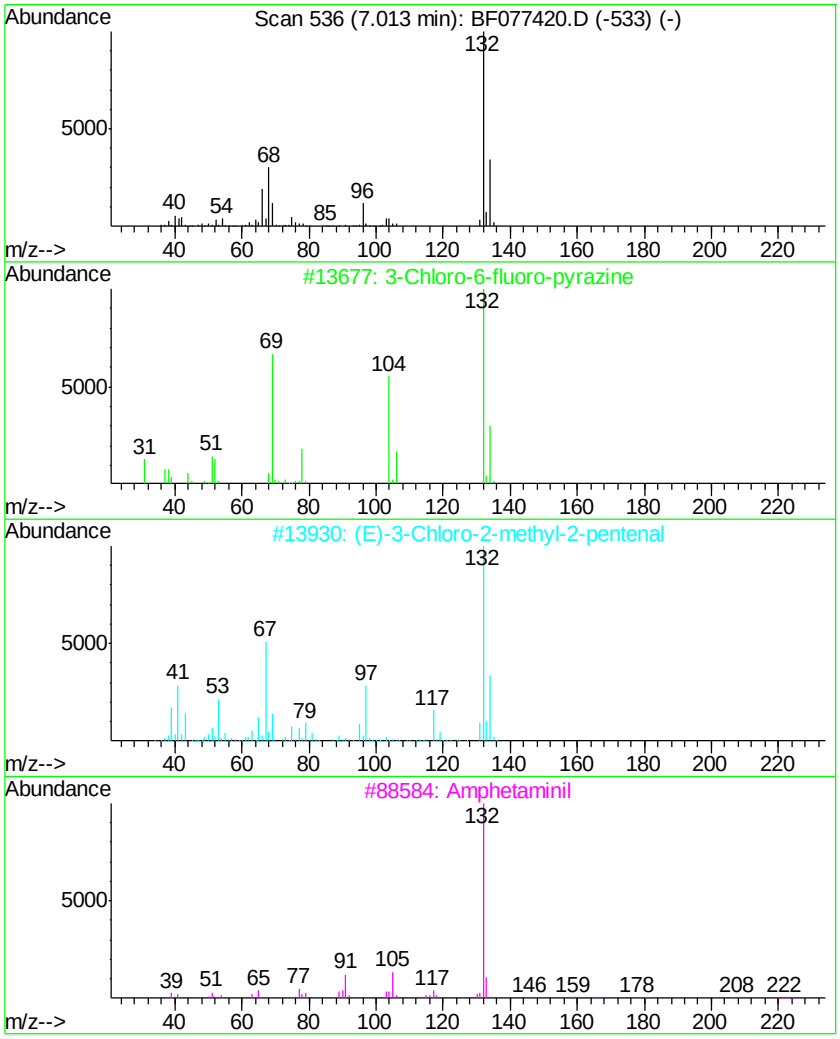
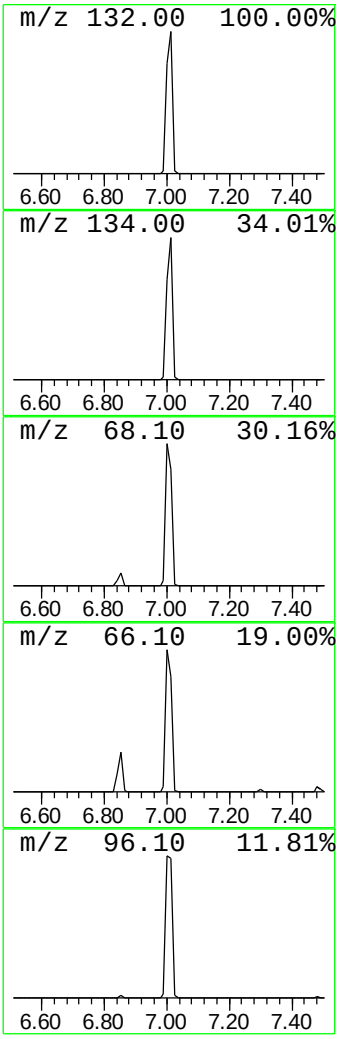
Peak Number 4 unknown7.01 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.01 | 53.72 ng | 1125250 | 1,4-Dichlorobenzene-d4 | 7.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 40 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 33 |
| 3 | Amphetaminil | 250 | C17H18N2 | 017590-01-1 | 25 |
| 4 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 9 |
| 5 | Xenon | 132 | Xe | 007440-63-3 | 9 |



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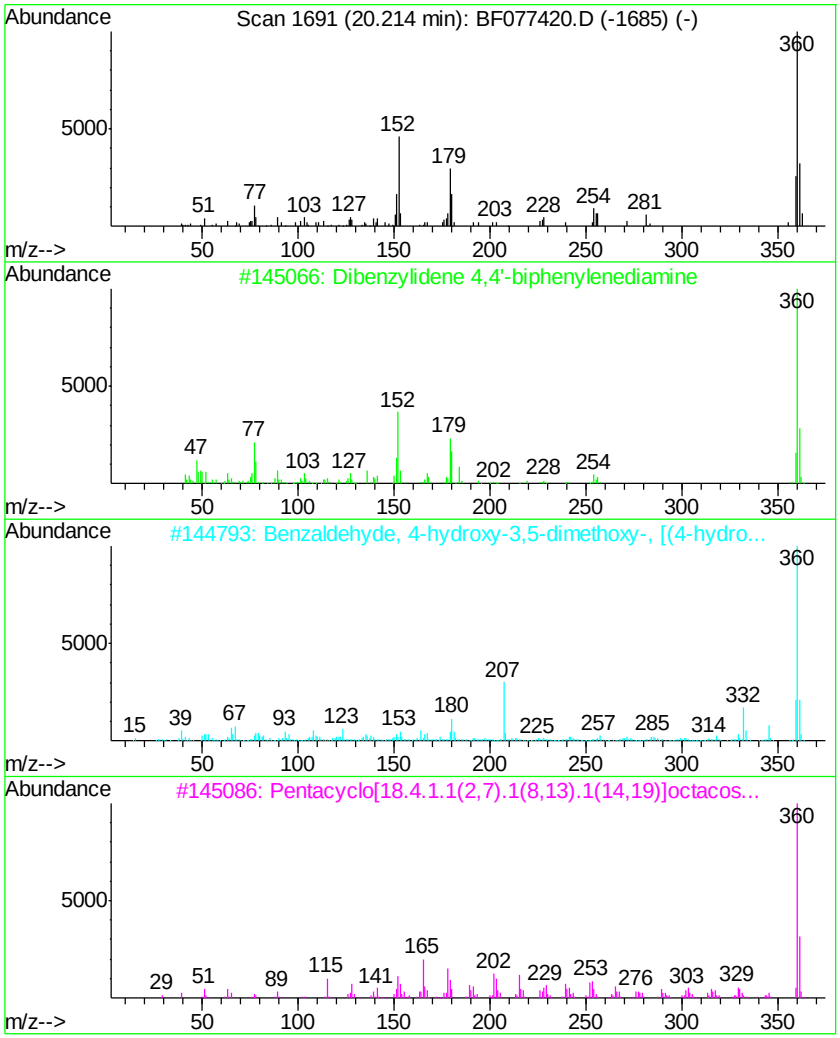
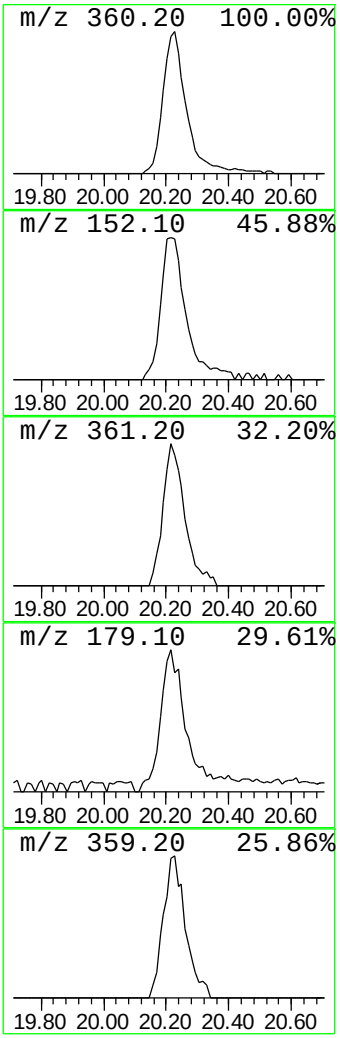
Peak Number 6 Dibenzylidene 4,4'-biphenyl... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.21 | 9.12 ng | 365788 | Perylene-d12 | 18.17 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzylidene 4,4'-biphenylenedi... | 360 | C26H20N2 | 006311-48-4 | 93 |
| 2 | Benzaldehyde, 4-hydroxy-3,5-dime... | 360 | C18H20N2O6 | 014414-32-5 | 47 |
| 3 | Pentacyclo[18.4.1.1(2,7).1(8,13)... | 360 | C28H24 | 101077-60-5 | 47 |
| 4 | N,N'-di-2-Naphthyl-p-phenylenedi... | 360 | C26H20N2 | 000093-46-9 | 46 |
| 5 | 1,3,2-Dioxaborolane, bis(spiro[4... | 360 | C20H13BO6 | 1000150-23-7 | 43 |



Tentatively Identified Compound (LSC) summary

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| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 1-Pentene, 2-methyl- | 1.60 | 2.1 | ng | 43431 | 1 | 7.30 | 418928 | 20.0 |
| 2-Pentanone, 4-hy... | 5.09 | 31.7 | ng | 664359 | 1 | 7.30 | 418928 | 20.0 |
| unknown7.01 | 7.01 | 53.7 | ng | 1125250 | 1 | 7.30 | 418928 | 20.0 |
| Dibenzylidene 4,4... | 20.21 | 9.1 | ng | 365788 | 6 | 18.17 | 802517 | 20.0 |