

Sequence Name: Resolution and Co-Add Study

Sample Path: C:\ASAP DATA\Resolution and Co-Add (Scans) Study

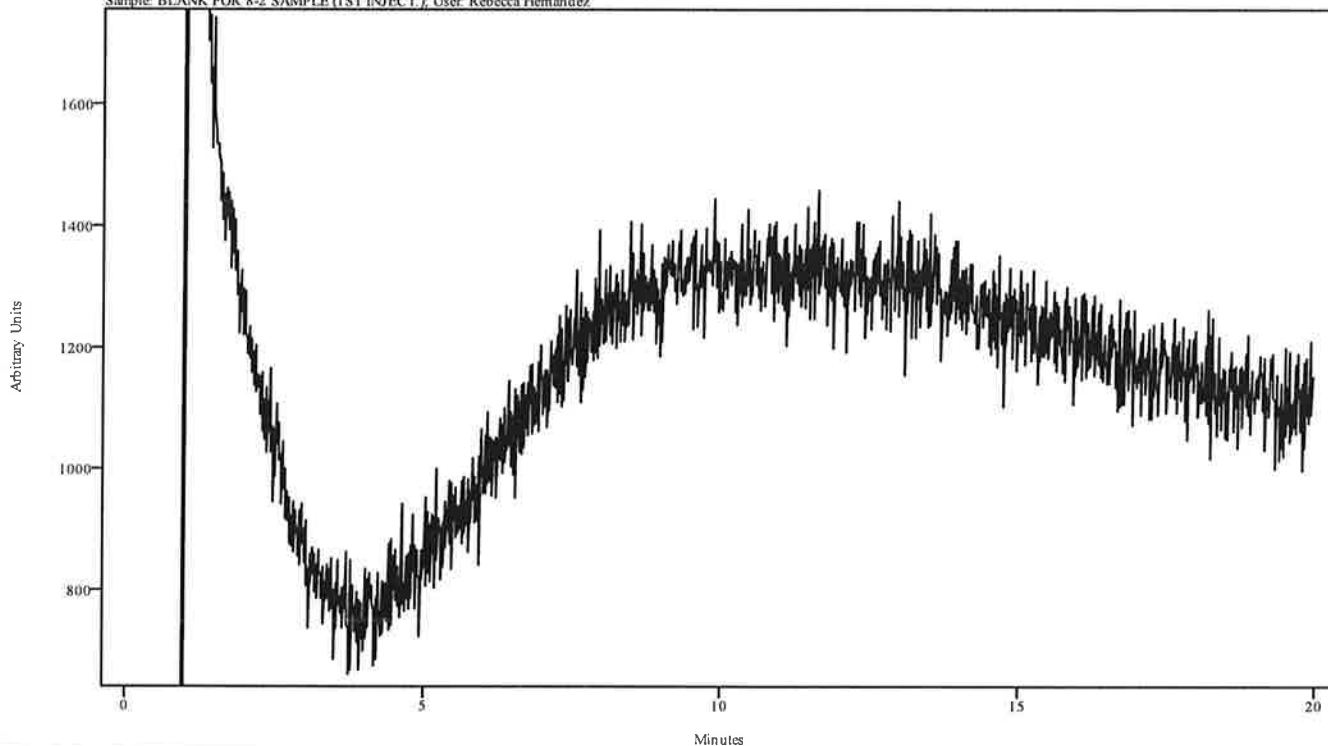
	Type	IRD Method	GC Method	Vial	Sample ID	Data File	Solvent/Extract	Instrument ID
1	Wash	HEDWIG	IRD3 120TO270(2	101	WASH1	WASH1 \$(da	MEOH	HEDWIG
2	Blank	HEDWIG	IRD3 120TO270(2	102	BLANK FOR	BLANK FOR	MEOH	HEDWIG
3	Sample	HEDWIG	IRD3 120TO270(2	103	8-2 SAMPLE	8-2 SAMPLE	MEOH	HEDWIG
4	Wash	8 Resolutio	120TO270(2	101	WASH2	WASH2 \$(DA	MEOH	HEDWIG
5	Blank	8 Resolutio	120TO270(2	102	BLANK FOR	BLANK FOR	MEOH	HEDWIG
6	Sample	8 Resolutio	120TO270(2	103	8-4 SAMPLE	8-4 SAMPLE	MEOH	HEDWIG
7	Wash	HEDWIG	IRD3 120TO270(2	101	WASH3	WASH3 \$(DA	MEOH	HEDWIG
8	Blank	HEDWIG	IRD3 120TO270(2	102	BLANK FOR	BLANK FOR	MEOH	HEDWIG
9	Sample	HEDWIG	IRD3 120TO270(2	103	8-2 SAMPLE	8-2 SAMPLE	MEOH	HEDWIG
10	Wash	8 Resolutio	120TO270(2	101	WASH4	WASH4 \$(DA	MEOH	HEDWIG
11	Blank	8 Resolutio	120TO270(2	102	BLANK FOR	BLANK FOR	MEOH	HEDWIG
12	Sample	8 Resolutio	120TO270(2	103	8-4 SAMPLE	8-4 SAMPLE	MEOH	HEDWIG
13	Wash	HEDWIG	IRD3 120TO270(2	101	WASH5	WASH5 \$(DA	MEOH	HEDWIG
14	Blank	HEDWIG	IRD3 120TO270(2	102	BLANK FOR	BLANK FOR	MEOH	HEDWIG
15	Sample	HEDWIG	IRD3 120TO270(2	103	8-2 SAMPLE	8-2 SAMPLE	MEOH	HEDWIG
16	Wash	8 Resolutio	120TO270(2	101	WASH6	WASH6 \$(DA	MEOH	HEDWIG
17	Blank	8 Resolutio	120TO270(2	102	BLANK FOR	BLANK FOR	MEOH	HEDWIG
18	Sample	8 Resolutio	120TO270(2	103	8-4 SAMPLE	8-4 SAMPLE	MEOH	HEDWIG
19		SHUTDOWN WE	120TO270(2		SHUTDOWN	SHUTDOWN \$	MEOH	HEDWIG

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IRD Data Analysis Report

Data Filename	BLANK FOR 8-2 SAMPLE 1ST2020_February_14_141039
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
IRD Method	HEDWIG IRD3
GC Method	120TO270(20MIN)
GC Vial	102
Sample Name	BLANK FOR 8-2 SAMPLE (1ST INJECT.)
Misc. Info	MEOH:HEDWIG
User ID	Rebecca Hernandez
Injection Time	Fri Feb 14 14:34:28 2020
Date Processed	Tue Feb 18 08:04:09 2020

irdata.cgmr BLANK FOR 8-2 SAMPLE 1ST2020_February_14_141039\irdata.cgmr : Misc Info: MEOH:HEDWIG;
Sample: BLANK FOR 8-2 SAMPLE (1ST INJECT.); User: Rebecca Hernandez

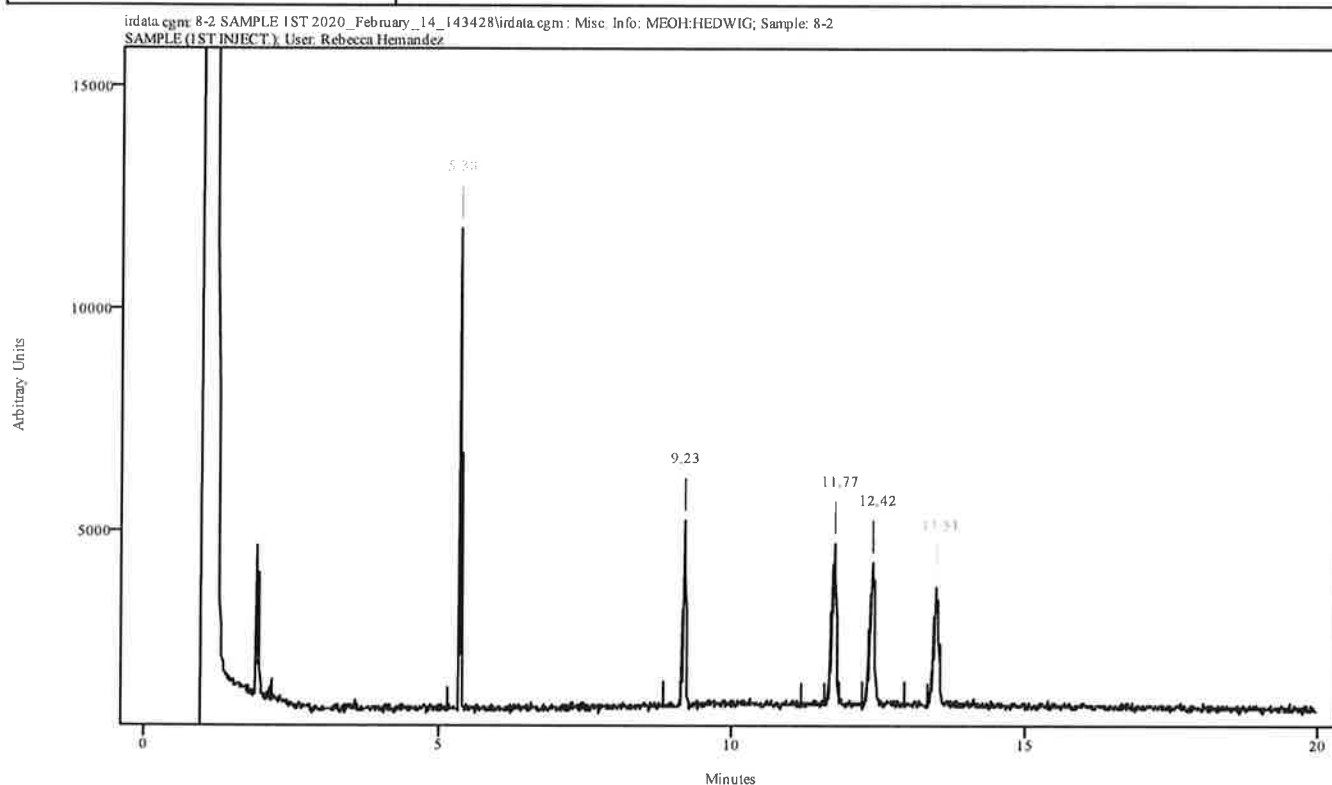


Peak Start	Peak End	Peak Width	Reference Start	Reference End
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IRD Data Analysis Report

Data Filename	8-2 SAMPLE 1ST 2020_February_14_143428
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
IRD Method	HEDWIG IRD3
GC Method	120TO270(20MIN)
GC Vial	103
Sample Name	8-2 SAMPLE (1ST INJECT.)
Misc. Info	MEOH:HEDWIG
User ID	Rebecca Hernandez
Injection Time	Fri Feb 14 14:58:21 2020
Date Processed	Fri Feb 28 15:22:04 2020

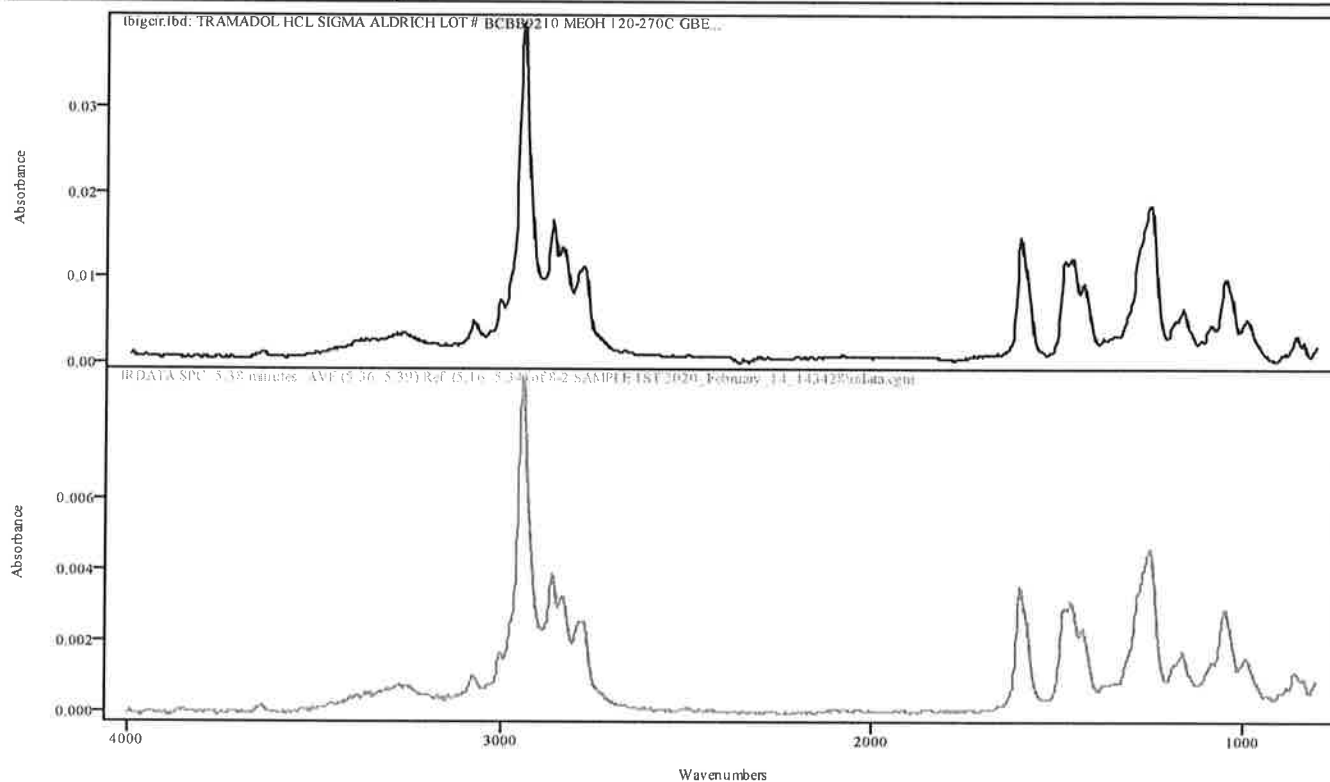


Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.359	5.397	0.033	5.160	5.337
9.182	9.263	0.077	8.873	9.138
11.712	11.812	0.099	11.193	11.591
12.364	12.464	0.099	11.856	12.254
13.458	13.557	0.099	12.961	13.359

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Spectral Library Search Results

Data Filename	8-2 SAMPLE 1ST 2020_February_14_143428
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	5.38 minutes: AVE (5.36: 5.39) Ref. (5.16: 5.34) of 8-2 SAMPLE 1ST 2020_February_14_143428.cgm
Date	Fri Feb 28 15:22:04 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 5.38 minutes: AVE (5.36: 5.39) Ref. (5.16: 5.34) of 8-2 SAMPLE 1ST 2020_February_14_143428.cgm

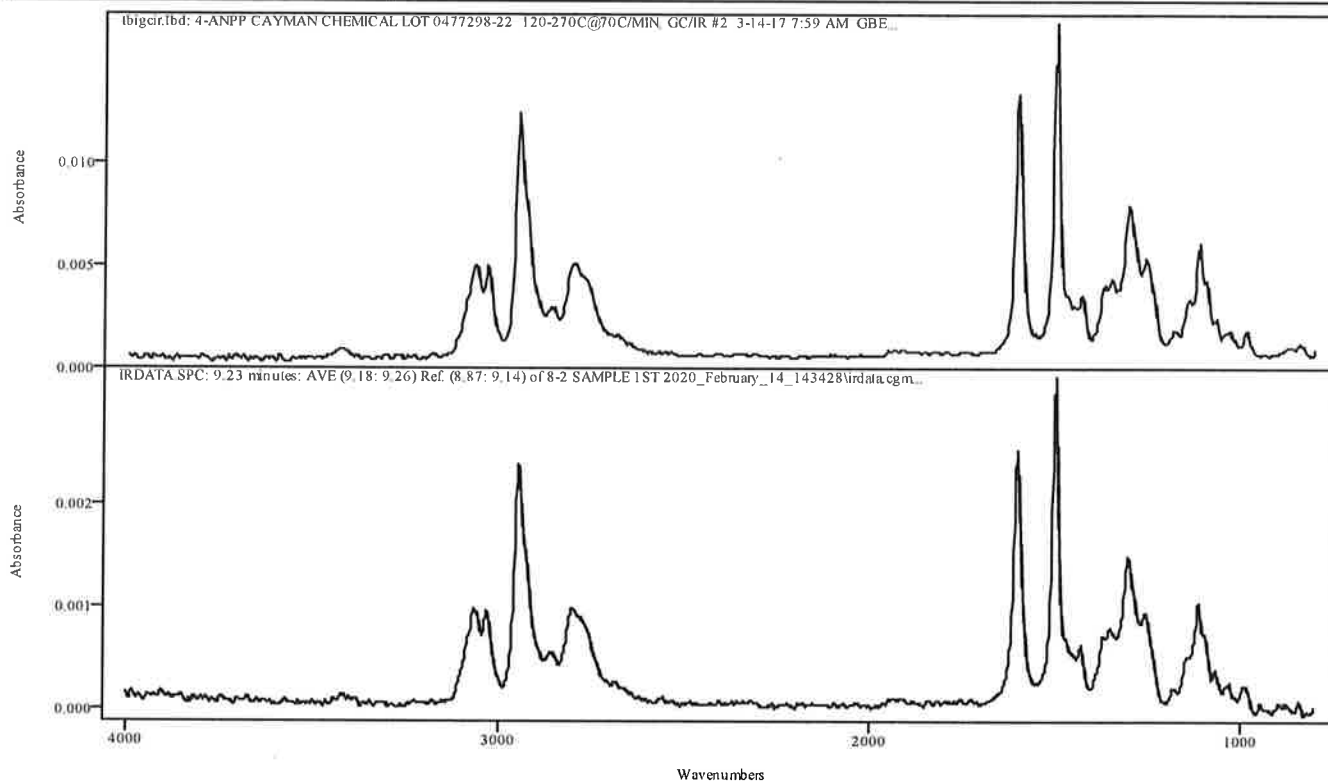
Entry 256 from Library tbicir.lbd: TRAMADOL HCL SIGMA ALDRICH LOT # BCBB9210 MEOH 120-270C GBE

Metric	Name	Library	Entry
0.991180	TRAMADOL HCL SIGMA ALDRICH LOT # BCBB9210 MEOH 120-270C GBE	tbicir.lbd	256

MA

Spectral Library Search Results

Data Filename	8-2 SAMPLE 1ST 2020_February_14_143428
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	9.23 minutes: AVE (9.18: 9.26) Ref. (8.87: 9.14) of 8-2 SAMPLE 1ST 2020_February_14_143428.cgm
Date	Fri Feb 28 15:22:04 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 9.23 minutes: AVE (9.18: 9.26) Ref. (8.87: 9.14) of 8-2 SAMPLE 1ST 2020_February_14_143428.cgm

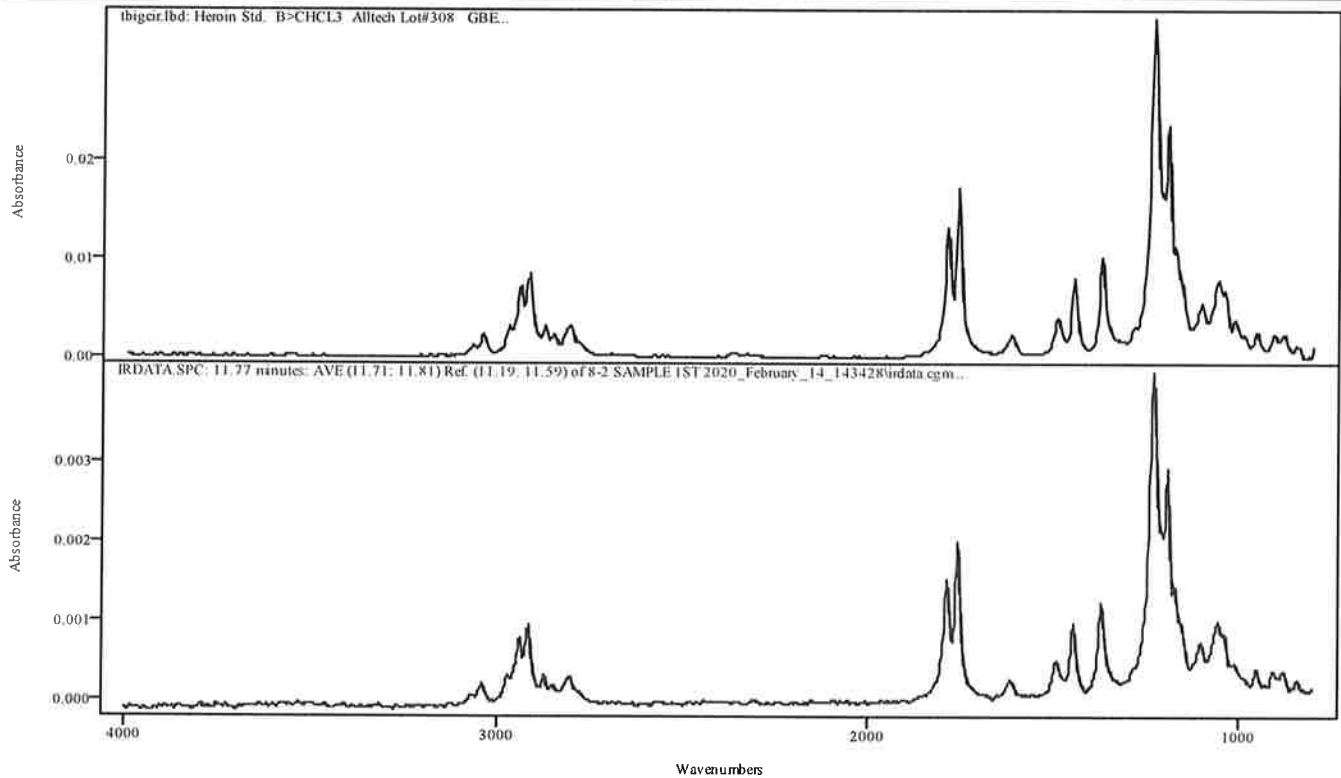
Entry 432 from Library tbigcir.lbd: 4-ANPP CAYMAN CHEMICAL LOT 0477298-22 120-270C@70C/MIN. GC/IR #2 3-14-17 7:59 AM GBE

Metric	Name	Library	Entry
0.993011	4-ANPP CAYMAN CHEMICAL LOT 0477298-22 120-270C@70C/MIN. GC/IR #2 3-14-17 7:59 AM GBE	tbigcir.lbd	432

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Spectral Library Search Results

Data Filename	8-2 SAMPLE 1ST 2020_February_14_143428
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	11.77 minutes: AVE (11.71: 11.81) Ref. (11.19: 11.59) of 8-2 SAMPLE 1ST 2020_February_14_143428.cgm
Date	Fri Feb 28 15:22:04 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 11.77 minutes: AVE (11.71: 11.81) Ref. (11.19: 11.59) of 8-2 SAMPLE 1ST 2020_February_14_143428.cgm

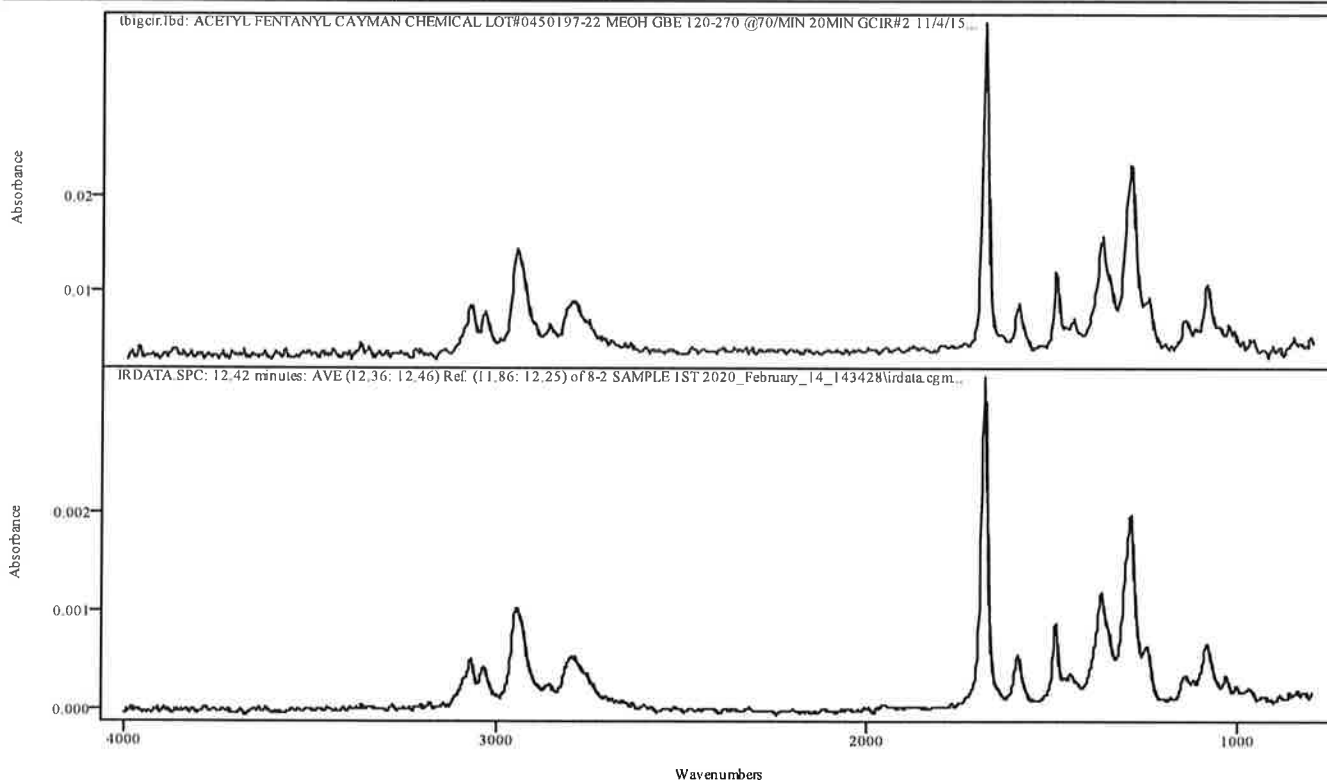
Entry 40 from Library tbigcir.lbd: Heroin Std. B>CHCL3 Alltech Lot#308 GBE

Metric	Name	Library	Entry
0.996216	Heroin Std. B>CHCL3 Alltech Lot#308 GBE	tbigcir.lbd	40

MF

Spectral Library Search Results

Data Filename	8-2 SAMPLE 1ST 2020_February_14_143428
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	12.42 minutes: AVE (12.36: 12.46) Ref. (11.86: 12.25) of 8-2 SAMPLE 1ST 2020_February_14_143428.cgm
Date	Fri Feb 28 15:22:05 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 12.42 minutes: AVE (12.36: 12.46) Ref. (11.86: 12.25) of 8-2 SAMPLE 1ST 2020_February_14_143428.cgm

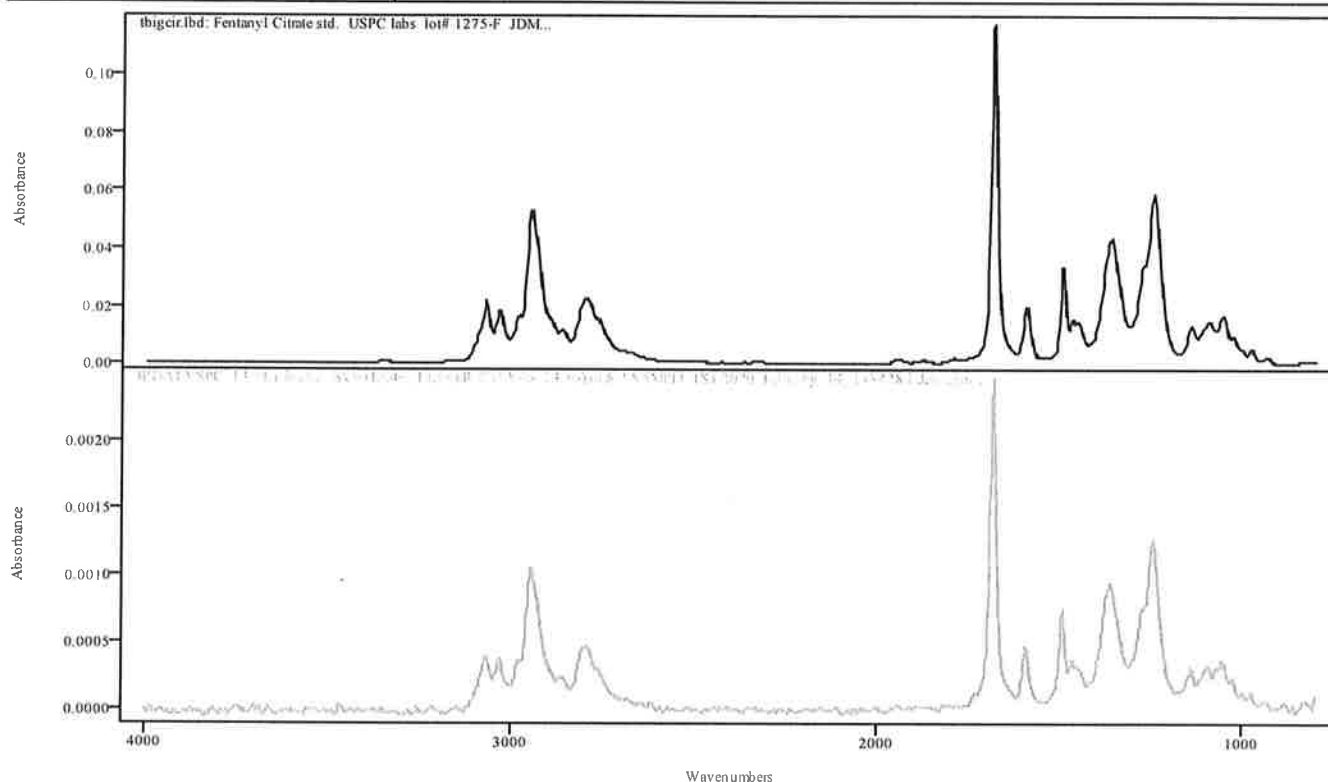
Entry 403 from Library tbigcir.lbd: ACETYL FENTANYL CAYMAN CHEMICAL LOT#0450197-22 MEOH GBE 120-270 @70/MIN 20MIN GCIR#2 11/4/15

Metric	Name	Library	Entry
0.992821	ACETYL FENTANYL CAYMAN CHEMICAL LOT#0450197-22 MEOH GBE 120-270 @70/MIN 20MIN GCIR#2 11/4/15	tbigcir.lbd	403

MT

Spectral Library Search Results

Data Filename	8-2 SAMPLE 1ST 2020_February_14_143428
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	13.51 minutes: AVE (13.46: 13.56) Ref. (12.96: 13.36) of 8-2 SAMPLE 1ST 2020_February_14_143428.cgm
Date	Fri Feb 28 15:22:05 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 13.51 minutes: AVE (13.46: 13.56) Ref. (12.96: 13.36) of 8-2 SAMPLE 1ST 2020_February_14_143428.cgm

Entry 93 from Library tbigcir.lbd: Fentanyl Citrate std. USPC labs lot# 1275-F JDM

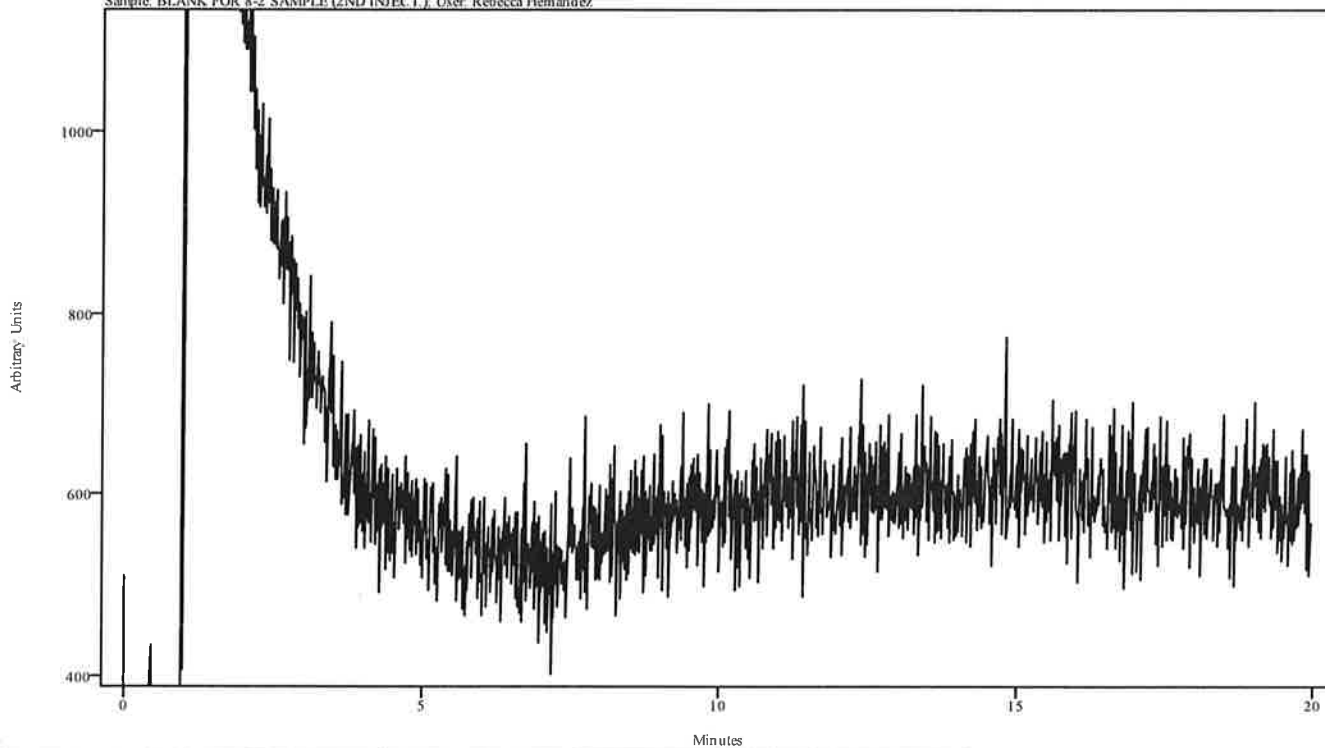
Metric	Name	Library	Entry
0.996636	Fentanyl Citrate std. USPC labs lot# 1275-F JDM	tbigcir.lbd	93

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IRD Data Analysis Report

Data Filename	BLANK FOR 8-2 SAMPLE 2ND 2020_February_14_163400
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
IRD Method	HEDWIG IRD3
GC Method	120TO270(20MIN)
GC Vial	102
Sample Name	BLANK FOR 8-2 SAMPLE (2ND INJECT.)
Misc. Info	MEOH:HEDWIG
User ID	Rebecca Hernandez
Injection Time	Fri Feb 14 16:57:53 2020
Date Processed	Tue Feb 18 08:06:40 2020

irdata.cgmx: BLANK FOR 8-2 SAMPLE 2ND 2020_February_14_163400\irdata.cgm: Misc. Info: MEOH:HEDWIG;
Sample: BLANK FOR 8-2 SAMPLE (2ND INJECT.); User: Rebecca Hernandez

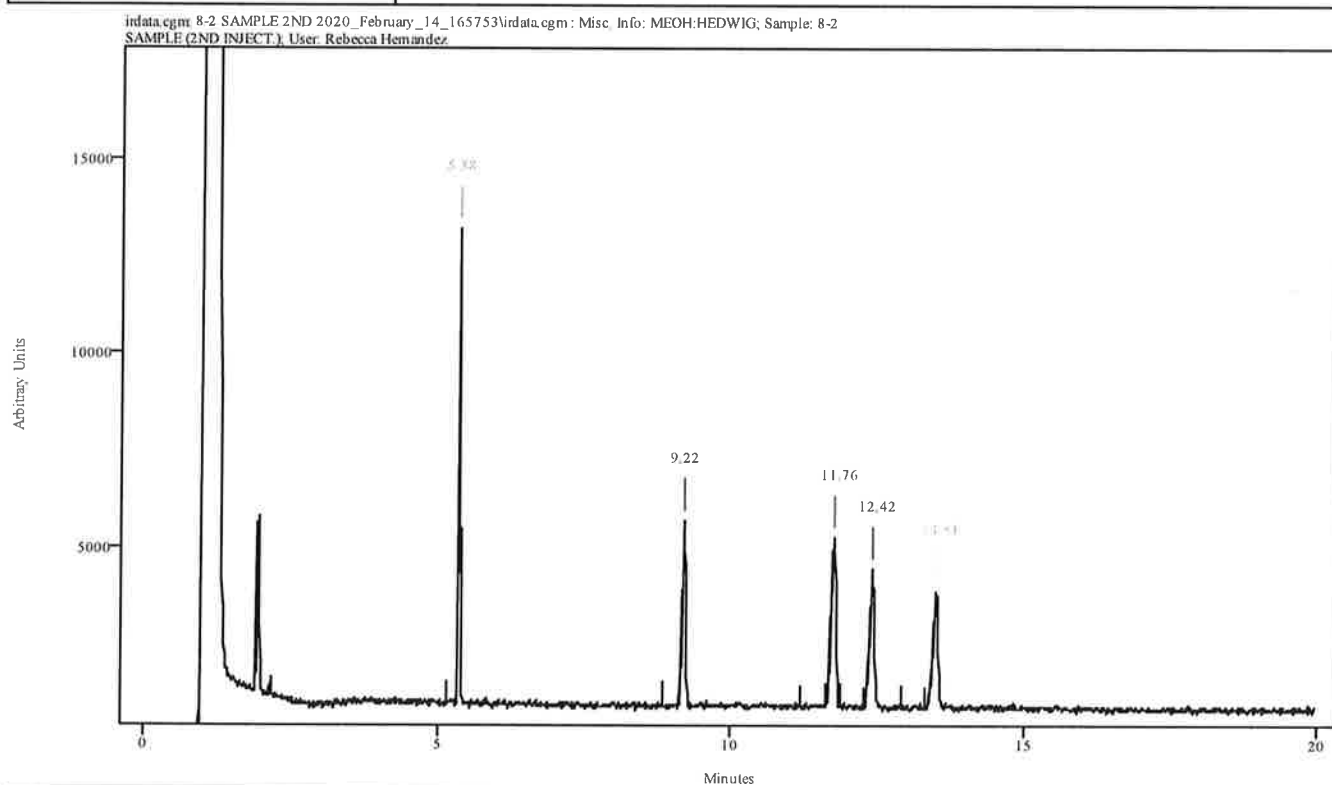


Peak Start	Peak End	Peak Width	Reference Start	Reference End
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IRD Data Analysis Report

MA

Data Filename	8-2 SAMPLE 2ND 2020_February_14_165753
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
IRD Method	HEDWIG IRD3
GC Method	120TO270(20MIN)
GC Vial	103
Sample Name	8-2 SAMPLE (2ND INJECT.)
Misc. Info	MEOH:HEDWIG
User ID	Rebecca Hernandez
Injection Time	Fri Feb 14 17:21:48 2020
Date Processed	Fri Feb 28 15:27:39 2020

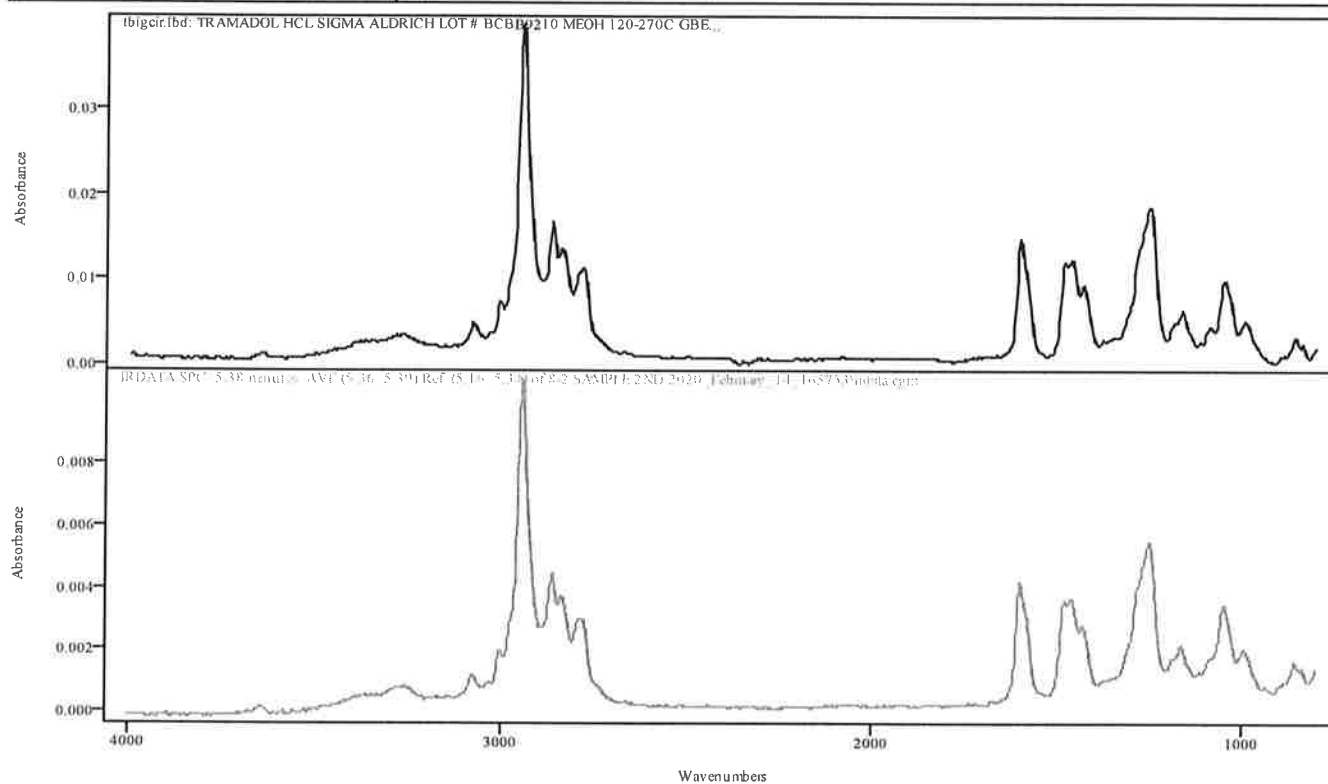


Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.361	5.394	0.033	5.162	5.339
9.185	9.252	0.066	8.865	9.130
11.706	11.816	0.111	11.197	11.639
12.369	12.468	0.099	11.871	12.269
13.452	13.551	0.099	12.921	13.319

MT

Spectral Library Search Results

Data Filename	8-2 SAMPLE 2ND 2020_February_14_165753
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	5.38 minutes: AVE (5.36: 5.39) Ref. (5.16: 5.34) of 8-2 SAMPLE 2ND 2020_February_14_165753.cgm
Date	Fri Feb 28 15:27:39 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 5.38 minutes: AVE (5.36: 5.39) Ref. (5.16: 5.34) of 8-2 SAMPLE 2ND 2020_February_14_165753.cgm

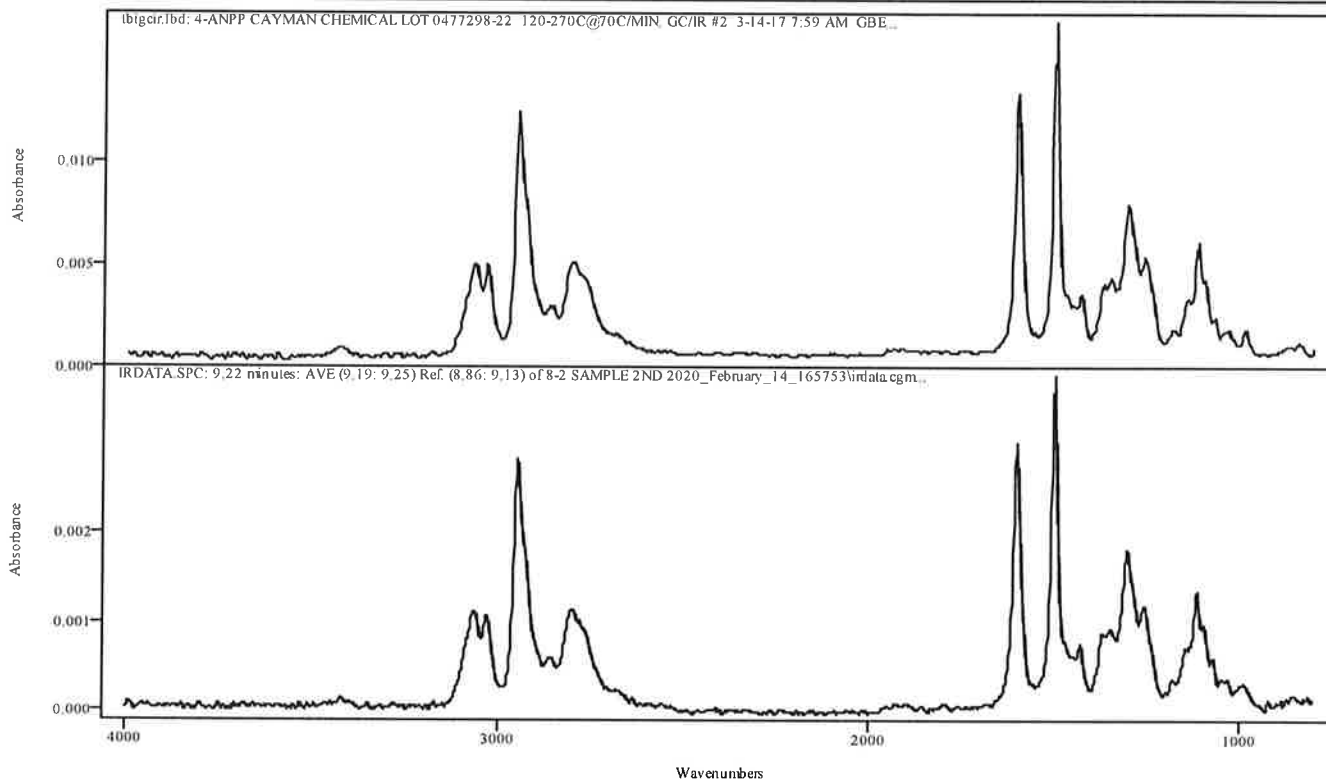
Entry 256 from Library tbigcir.lbd: TRAMADOL HCL SIGMA ALDRICH LOT # BCBB9210 MEOH 120-270C GBE

Metric	Name	Library	Entry
0.983125	TRAMADOL HCL SIGMA ALDRICH LOT # BCBB9210 MEOH 120-270C GBE	tbigcir.lbd	256

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Spectral Library Search Results

Data Filename	8-2 SAMPLE 2ND 2020_February_14_165753
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	9.22 minutes: AVE (9.19: 9.25) Ref. (8.86: 9.13) of 8-2 SAMPLE 2ND 2020_February_14_165753.cgm
Date	Fri Feb 28 15:27:40 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 9.22 minutes: AVE (9.19: 9.25) Ref. (8.86: 9.13) of 8-2 SAMPLE 2ND 2020_February_14_165753.cgm

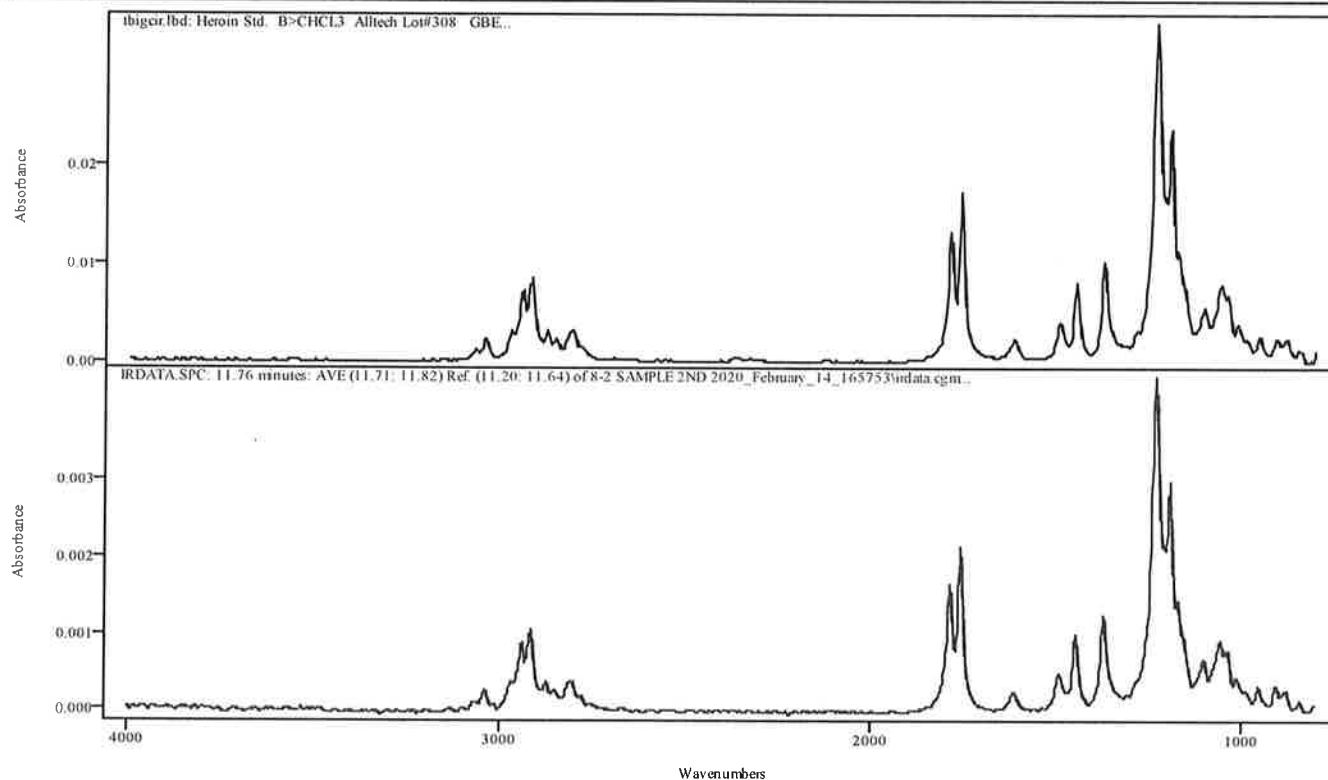
Entry 432 from Library tbigcir.lbd: 4-ANPP CAYMAN CHEMICAL LOT 0477298-22 120-270C@70C/MIN. GC/IR #2 3-14-17 7:59 AM GBE

Metric	Name	Library	Entry
0.996362	4-ANPP CAYMAN CHEMICAL LOT 0477298-22 120-270C@70C/MIN. GC/IR #2 3-14-17 7:59 AM GBE	tbigcir.lbd	432

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Spectral Library Search Results

Data Filename	8-2 SAMPLE 2ND 2020_February_14_165753
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	11.76 minutes: AVE (11.71: 11.82) Ref. (11.20: 11.64) of 8-2 SAMPLE 2ND 2020_February_14_165753.cgm
Date	Fri Feb 28 15:27:40 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 11.76 minutes: AVE (11.71: 11.82) Ref. (11.20: 11.64) of 8-2 SAMPLE 2ND 2020_February_14_165753.cgm

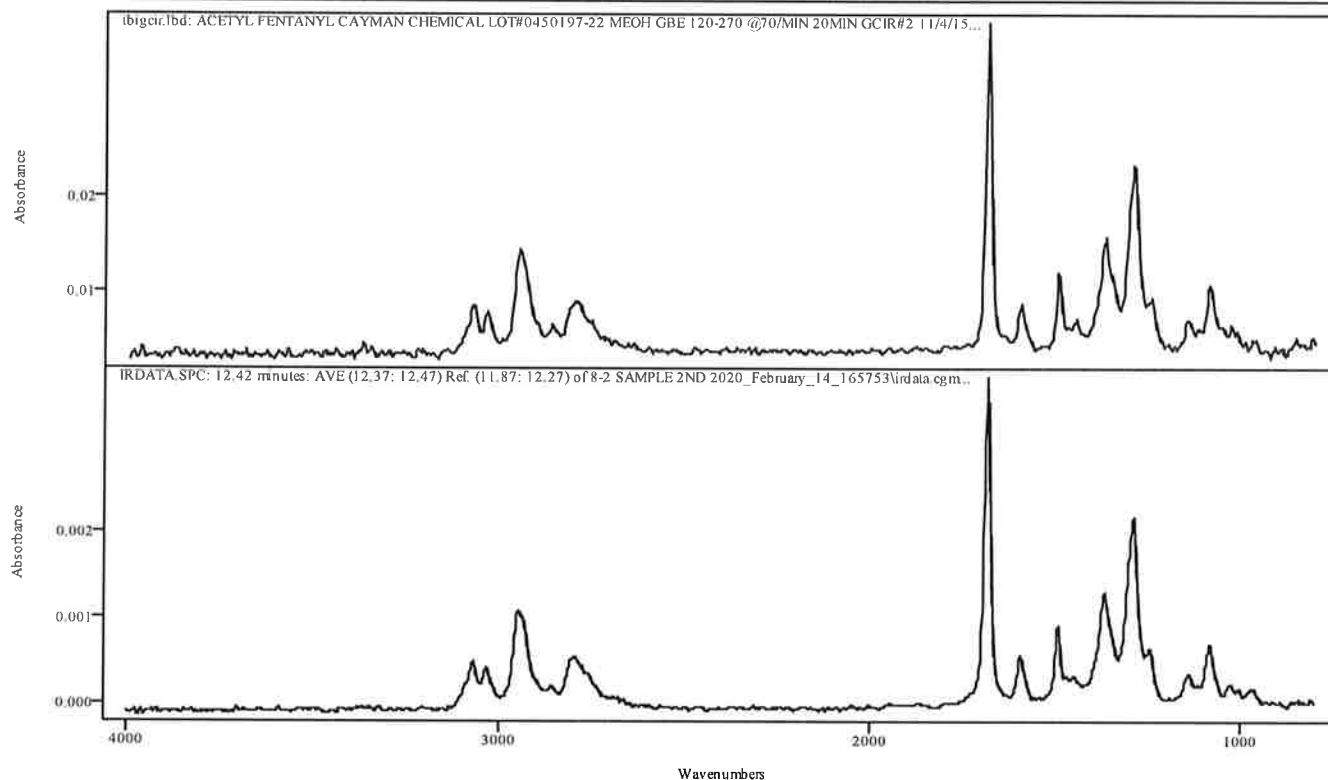
Entry 40 from Library tbigcir.lbd: Heroin Std. B>CHCL3 Alltech Lot#308 GBE

Metric	Name	Library	Entry
0.998766	Heroin Std. B>CHCL3 Alltech Lot#308 GBE	tbigcir.lbd	40

44

Spectral Library Search Results

Data Filename	8-2 SAMPLE 2ND 2020_February_14_165753
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	12.42 minutes: AVE (12.37: 12.47) Ref. (11.87: 12.27) of 8-2 SAMPLE 2ND 2020_February_14_165753.cgm
Date	Fri Feb 28 15:27:40 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 12.42 minutes: AVE (12.37: 12.47) Ref. (11.87: 12.27) of 8-2 SAMPLE 2ND 2020_February_14_165753.cgm

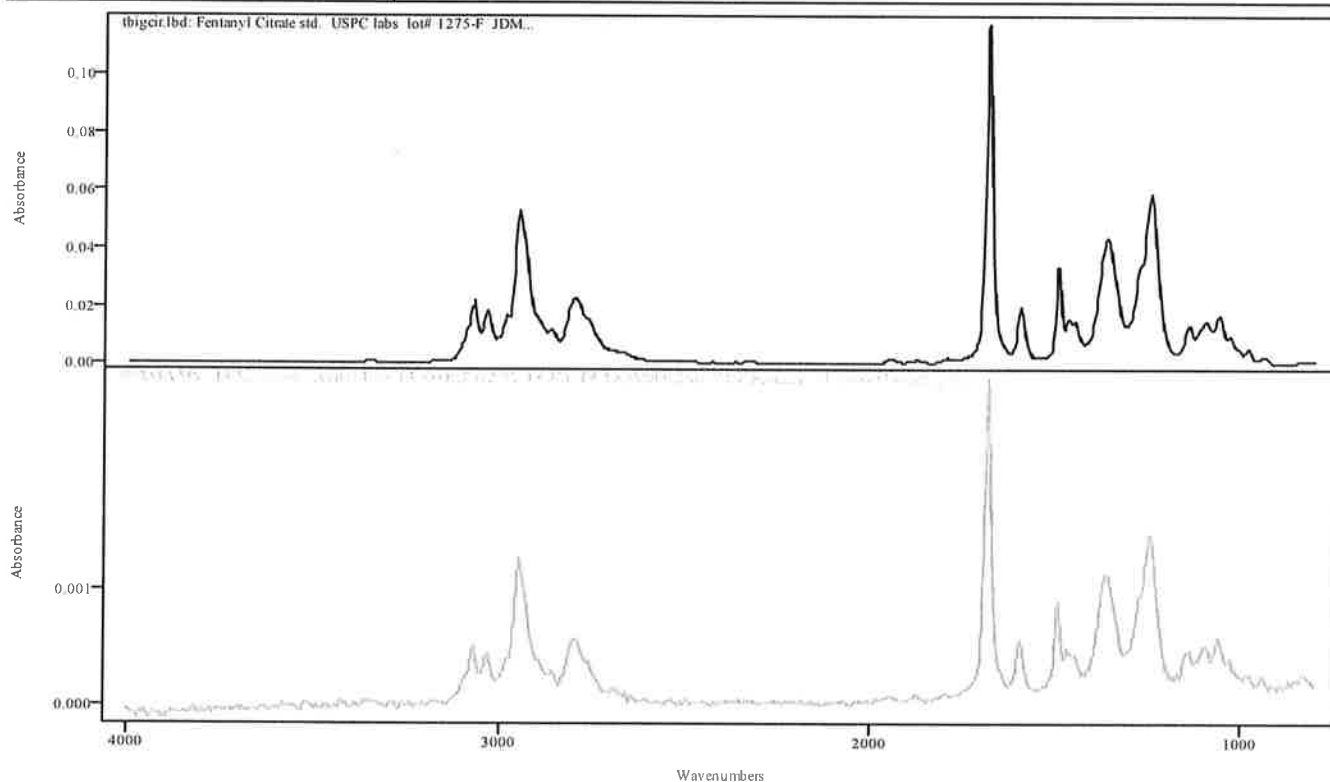
Entry 403 from Library tbigcir.lbd: ACETYL FENTANYL CAYMAN CHEMICAL LOT#0450197-22 MEOH GBE 120-270 @70/MIN 20MIN GCIR#2 11/4/15

Metric	Name	Library	Entry
0.991818	ACETYL FENTANYL CAYMAN CHEMICAL LOT#0450197-22 MEOH GBE 120-270 @70/MIN 20MIN GCIR#2 11/4/15	tbigcir.lbd	403

MA

Spectral Library Search Results

Data Filename	8-2 SAMPLE 2ND 2020_February_14_165753
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	13.51 minutes: AVE (13.45: 13.55) Ref. (12.92: 13.32) of 8-2 SAMPLE 2ND 2020_February_14_165753.cgm
Date	Fri Feb 28 15:27:40 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 13.51 minutes: AVE (13.45: 13.55) Ref. (12.92: 13.32) of 8-2 SAMPLE 2ND 2020_February_14_165753.cgm

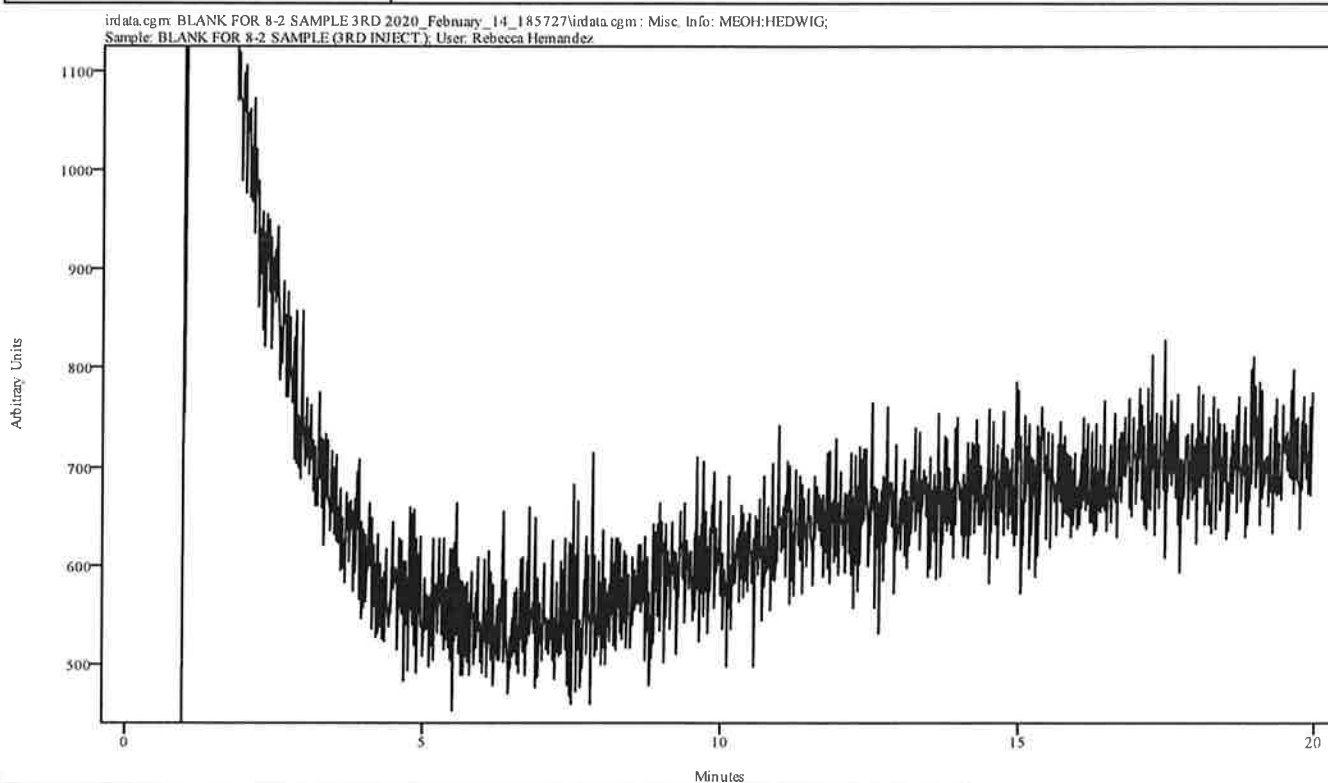
Entry 93 from Library tbigcir.lbd: Fentanyl Citrate std. USPC labs lot# 1275-F JDM

Metric	Name	Library	Entry
0.982100	Fentanyl Citrate std. USPC labs lot# 1275-F JDM	tbigcir.lbd	93

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IRD Data Analysis Report

Data Filename	BLANK FOR 8-2 SAMPLE 3RD 2020_February_14_185727
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
IRD Method	HEDWIG IRD3
GC Method	120TO270(20MIN)
GC Vial	102
Sample Name	BLANK FOR 8-2 SAMPLE (3RD INJECT.)
Misc. Info	MEOH:HEDWIG
User ID	Rebecca Hernandez
Injection Time	Fri Feb 14 19:21:17 2020
Date Processed	Tue Feb 18 08:08:17 2020

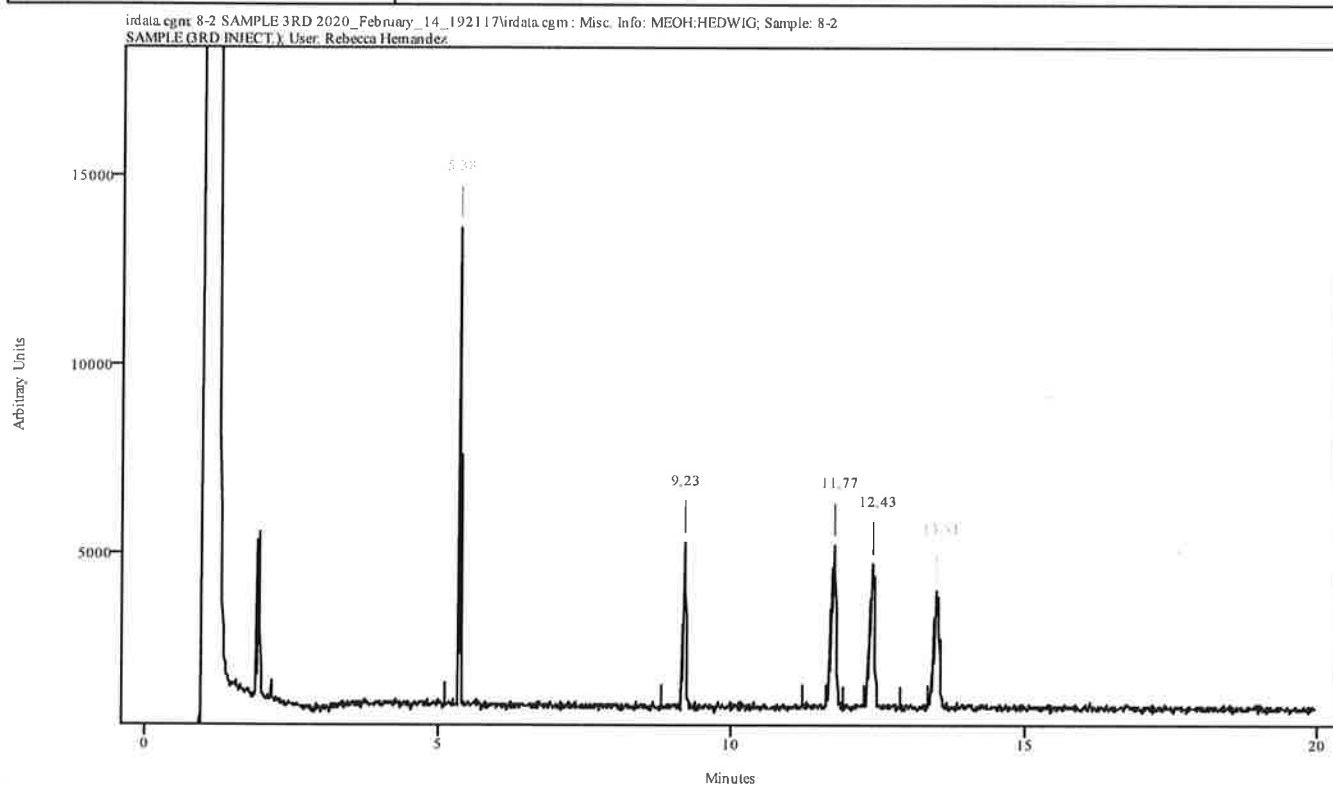


Peak Start	Peak End	Peak Width	Reference Start	Reference End

HH

IRD Data Analysis Report

Data Filename	8-2 SAMPLE 3RD 2020_February_14_192117
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
IRD Method	HEDWIG IRD3
GC Method	120TO270(20MIN)
GC Vial	103
Sample Name	8-2 SAMPLE (3RD INJECT.)
Misc. Info	MEOH:HEDWIG
User ID	Rebecca Hernandez
Injection Time	Fri Feb 14 19:45:10 2020
Date Processed	Fri Feb 28 15:28:48 2020

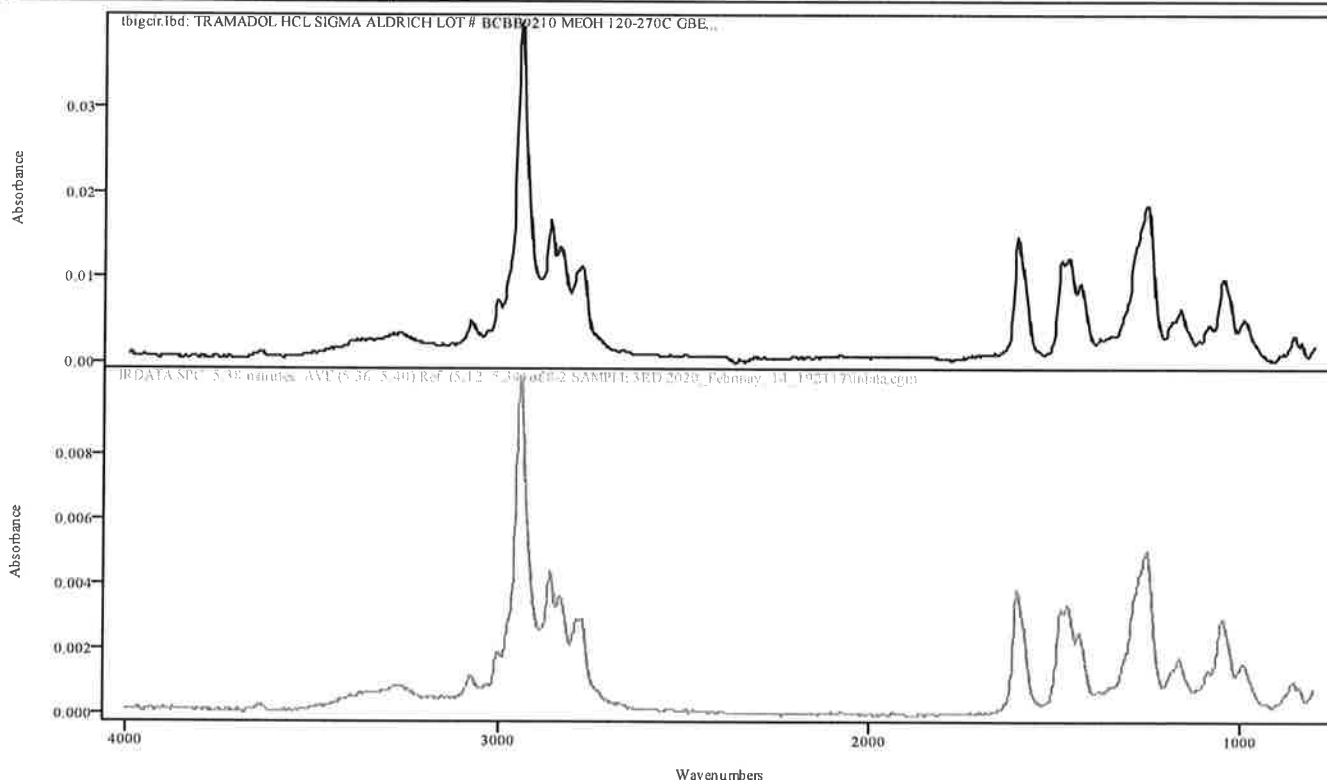


Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.359	5.403	0.044	5.116	5.337
9.182	9.260	0.077	8.829	9.138
11.713	11.812	0.099	11.227	11.624
12.376	12.475	0.099	11.912	12.287
13.448	13.558	0.110	12.906	13.348

SH

Spectral Library Search Results

Data Filename	8-2 SAMPLE 3RD 2020_February_14_192117
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	5.38 minutes: AVE (5.36: 5.40) Ref. (5.12: 5.34) of 8-2 SAMPLE 3RD 2020_February_14_192117.cgm
Date	Fri Feb 28 15:28:48 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 5.38 minutes: AVE (5.36: 5.40) Ref. (5.12: 5.34) of 8-2 SAMPLE 3RD 2020_February_14_192117.cgm

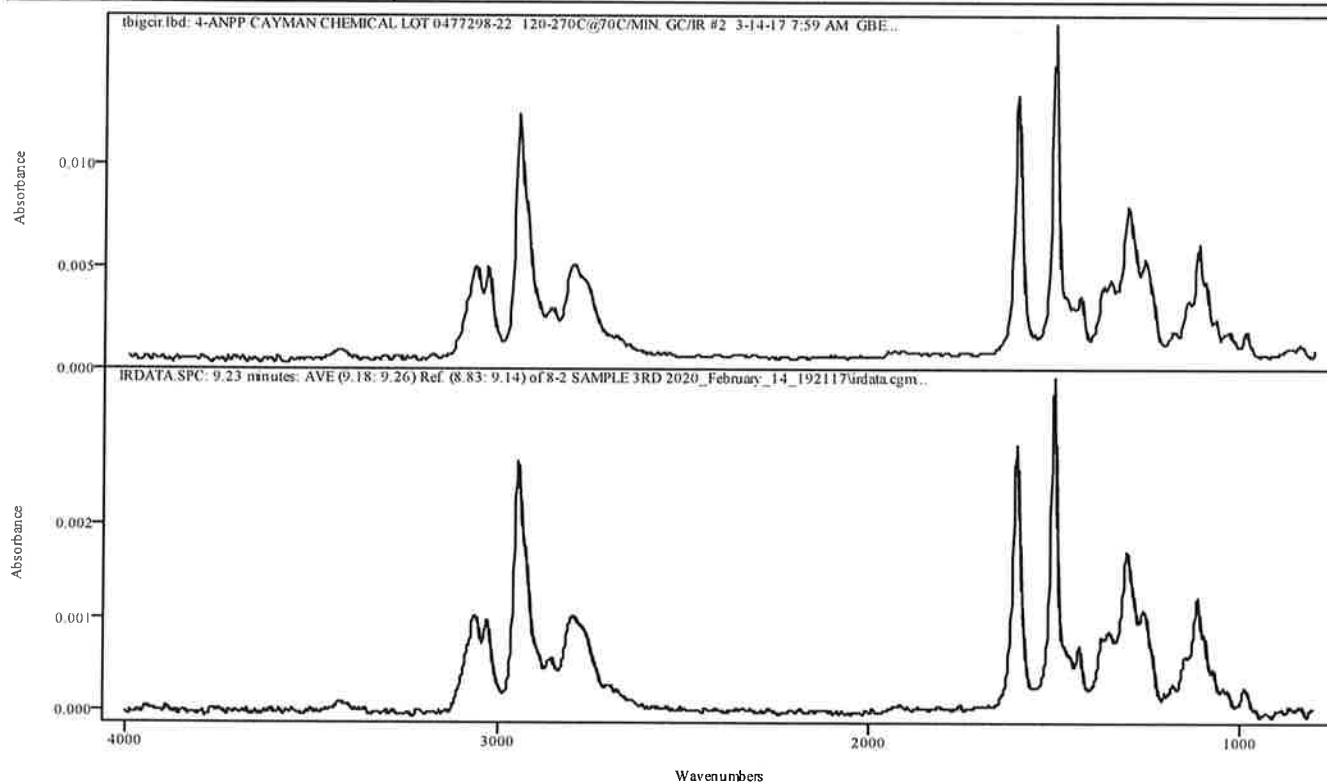
Entry 256 from Library tbigcir.lbd: TRAMADOL HCL SIGMA ALDRICH LOT # BCBB9210 MEOH 120-270C GBE

Metric	Name	Library	Entry
0.996076	TRAMADOL HCL SIGMA ALDRICH LOT # BCBB9210 MEOH 120-270C GBE	tbigcir.lbd	256

2014

Spectral Library Search Results

Data Filename	8-2 SAMPLE 3RD 2020_February_14_192117
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	9.23 minutes: AVE (9.18: 9.26) Ref. (8.83: 9.14) of 8-2 SAMPLE 3RD 2020_February_14_192117.cgm
Date	Fri Feb 28 15:28:49 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 9.23 minutes: AVE (9.18: 9.26) Ref. (8.83: 9.14) of 8-2 SAMPLE 3RD 2020_February_14_192117.cgm

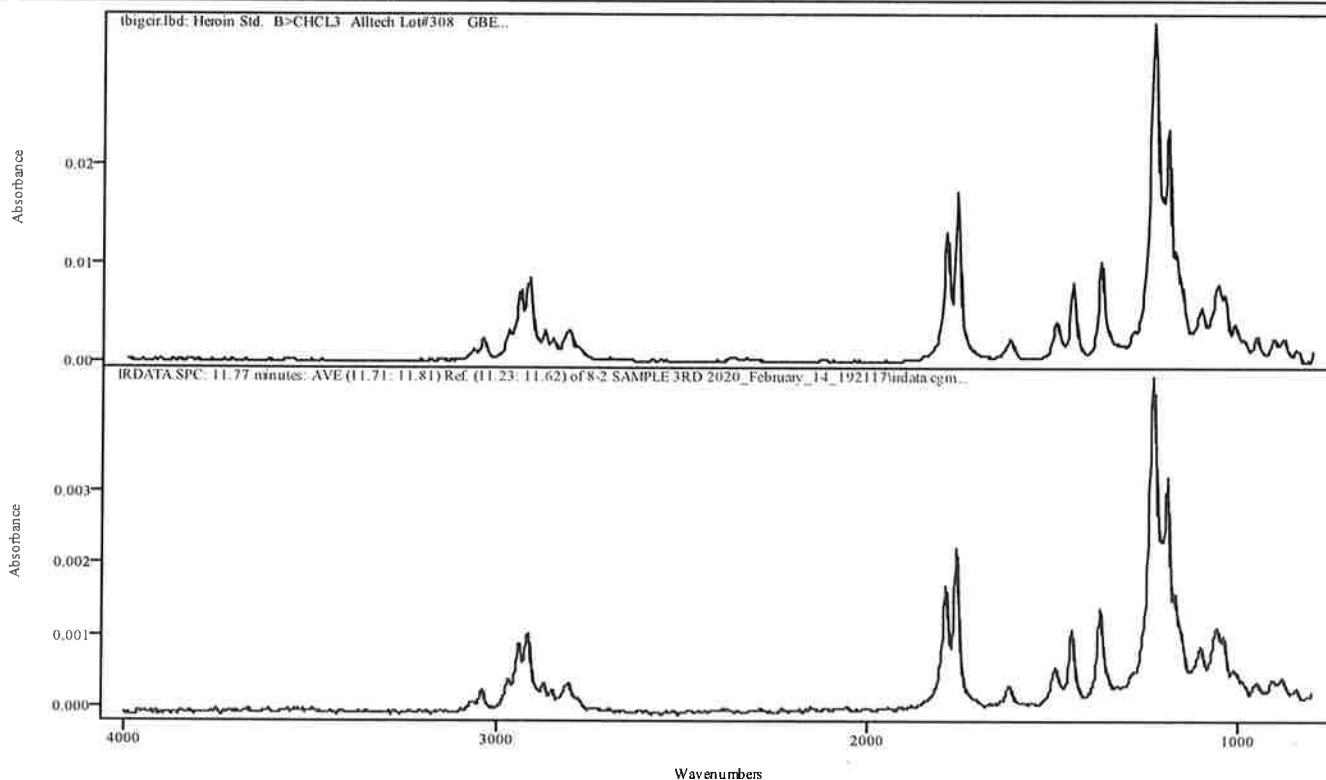
Entry 432 from Library tbigcir.lbd: 4-ANPP CAYMAN CHEMICAL LOT 0477298-22 120-270C@70C/MIN. GC/IR #2 3-14-17 7:59 AM GBE

Metric	Name	Library	Entry
0.997542	4-ANPP CAYMAN CHEMICAL LOT 0477298-22 120-270C@70C/MIN. GC/IR #2 3-14-17 7:59 AM GBE	tbigcir.lbd	432

AK

Spectral Library Search Results

Data Filename	8-2 SAMPLE 3RD 2020_February_14_192117
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	11.77 minutes: AVE (11.71: 11.81) Ref. (11.23: 11.62) of 8-2 SAMPLE 3RD 2020_February_14_192117.cgm
Date	Fri Feb 28 15:28:49 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 11.77 minutes: AVE (11.71: 11.81) Ref. (11.23: 11.62) of 8-2 SAMPLE 3RD 2020_February_14_192117.cgm

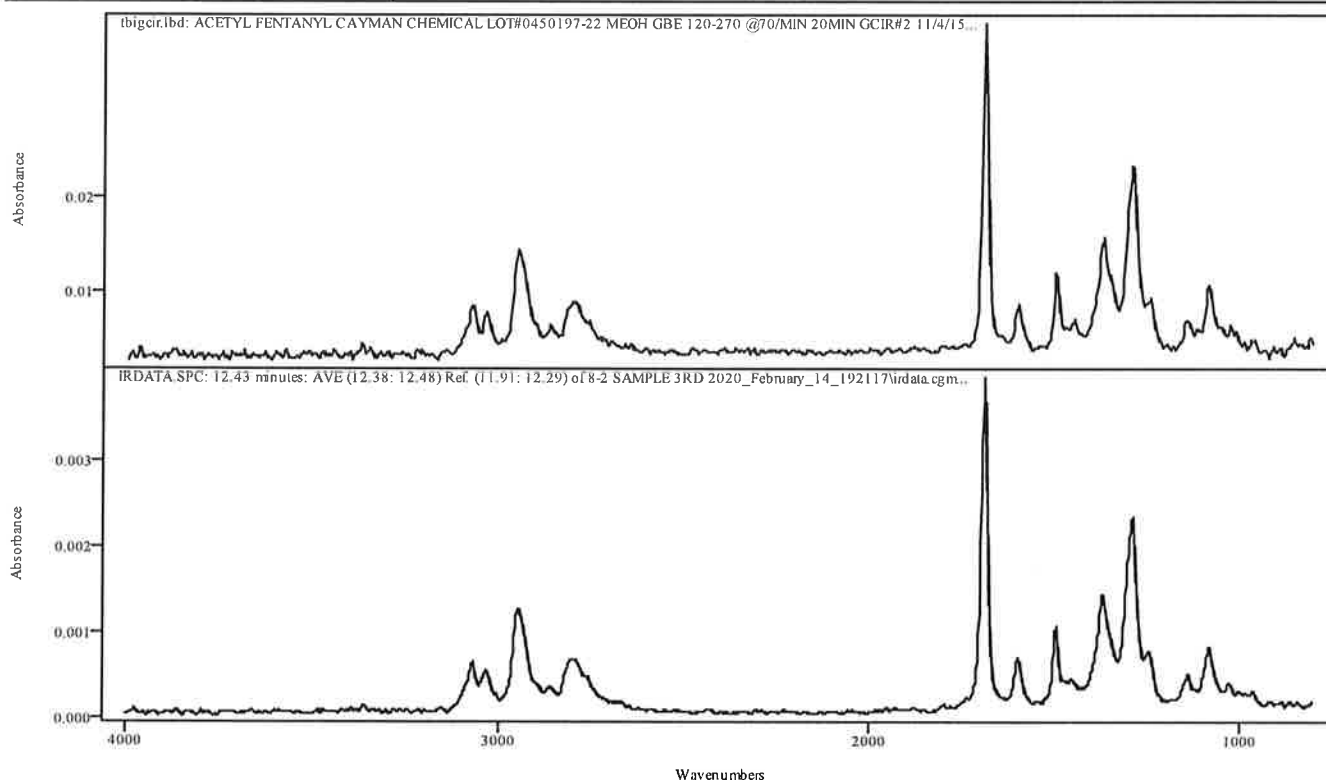
Entry 40 from Library tbigcir.lbd: Heroin Std. B>CHCL3 Alltech Lot#308 GBE

Metric	Name	Library	Entry
0.996168	Heroin Std. B>CHCL3 Alltech Lot#308 GBE	tbigcir.lbd	40

SH

Spectral Library Search Results

Data Filename	8-2 SAMPLE 3RD 2020_February_14_192117
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	12.43 minutes: AVE (12.38: 12.48) Ref. (11.91: 12.29) of 8-2 SAMPLE 3RD 2020_February_14_192117.cgm
Date	Fri Feb 28 15:28:49 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 12.43 minutes: AVE (12.38: 12.48) Ref. (11.91: 12.29) of 8-2 SAMPLE 3RD 2020_February_14_192117.cgm

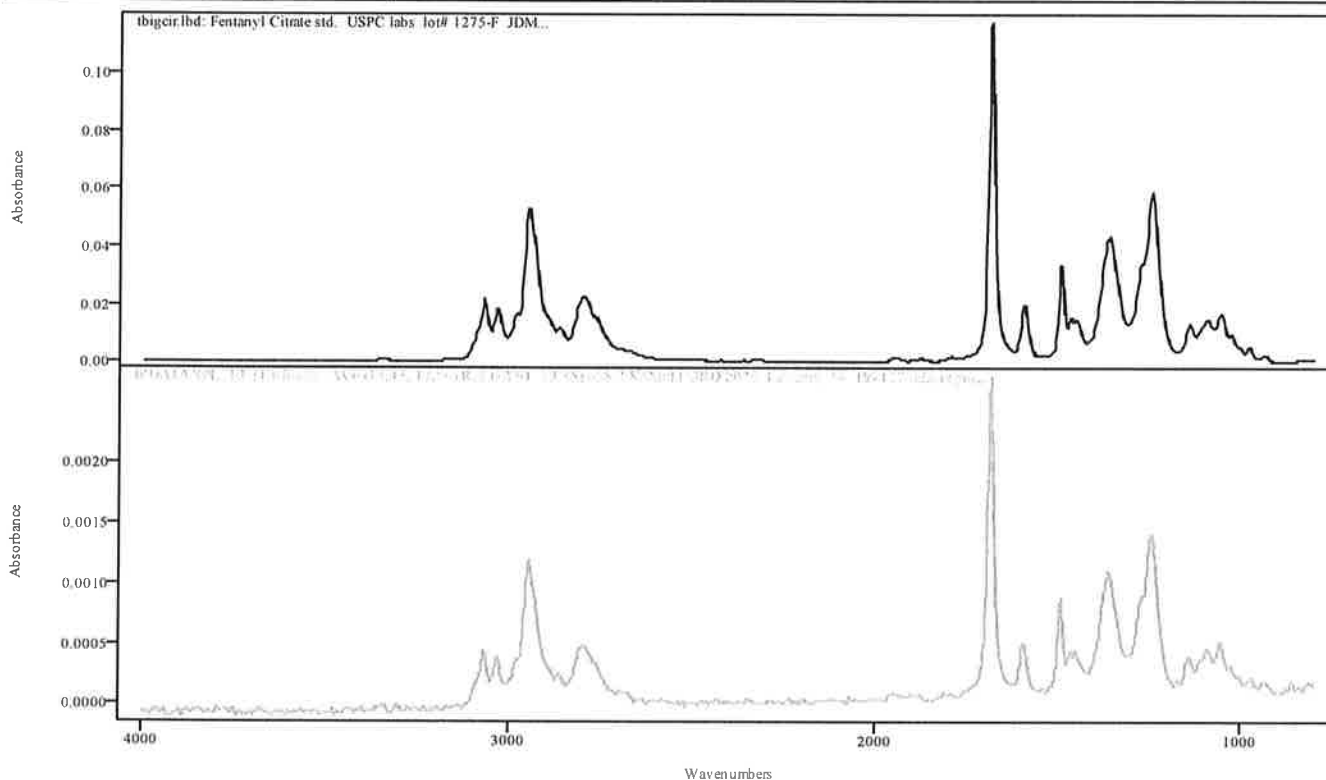
Entry 403 from Library tbigcir.lbd: ACETYL FENTANYL CAYMAN CHEMICAL LOT#0450197-22 MEOH GBE 120-270 @70/MIN 20MIN GCIR#2 11/4/15

Metric	Name	Library	Entry
0.993206	ACETYL FENTANYL CAYMAN CHEMICAL LOT#0450197-22 MEOH GBE 120-270 @70/MIN 20MIN GCIR#2 11/4/15	tbigcir.lbd	403

AM

Spectral Library Search Results

Data Filename	8-2 SAMPLE 3RD 2020_February_14_192117
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	13.51 minutes: AVE (13.45: 13.56) Ref. (12.91: 13.35) of 8-2 SAMPLE 3RD 2020_February_14_192117.cgm
Date	Fri Feb 28 15:28:50 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



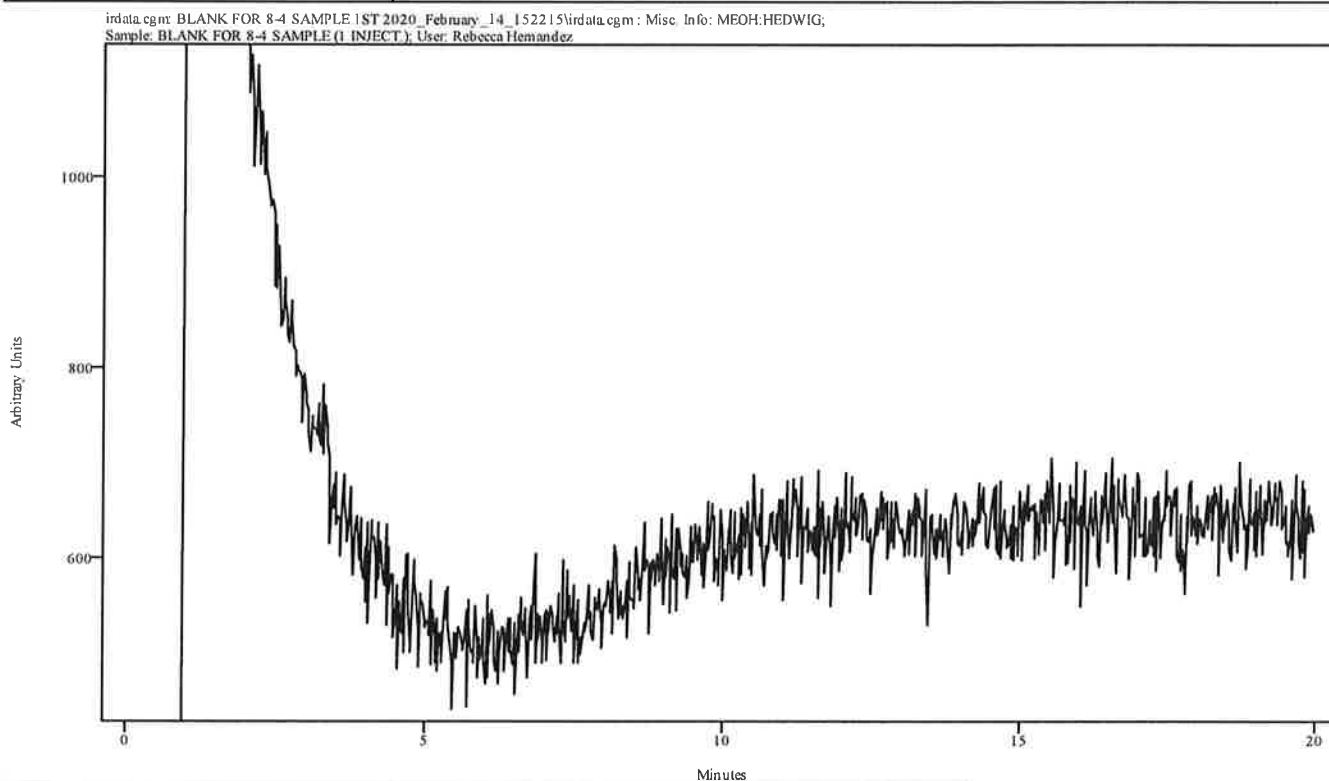
IRDATA.SPC: 13.51 minutes: AVE (13.45: 13.56) Ref. (12.91: 13.35) of 8-2 SAMPLE 3RD 2020_February_14_192117.cgm

Entry 93 from Library tbigcir.lbd: Fentanyl Citrate std. USPC labs lot# 1275-F JDM

Metric	Name	Library	Entry
0.986065	Fentanyl Citrate std. USPC labs lot# 1275-F JDM	tbigcir.lbd	93

IRD Data Analysis Report

Data Filename	BLANK FOR 8-4 SAMPLE 1ST 2020_February_14_152215
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
IRD Method	8 Resolution 4 Scans
GC Method	120TO270(20MIN)
GC Vial	102
Sample Name	BLANK FOR 8-4 SAMPLE (1 INJECT.)
Misc. Info	MEOH:HEDWIG
User ID	Rebecca Hernandez
Injection Time	Fri Feb 14 15:46:10 2020
Date Processed	Tue Feb 18 08:09:47 2020

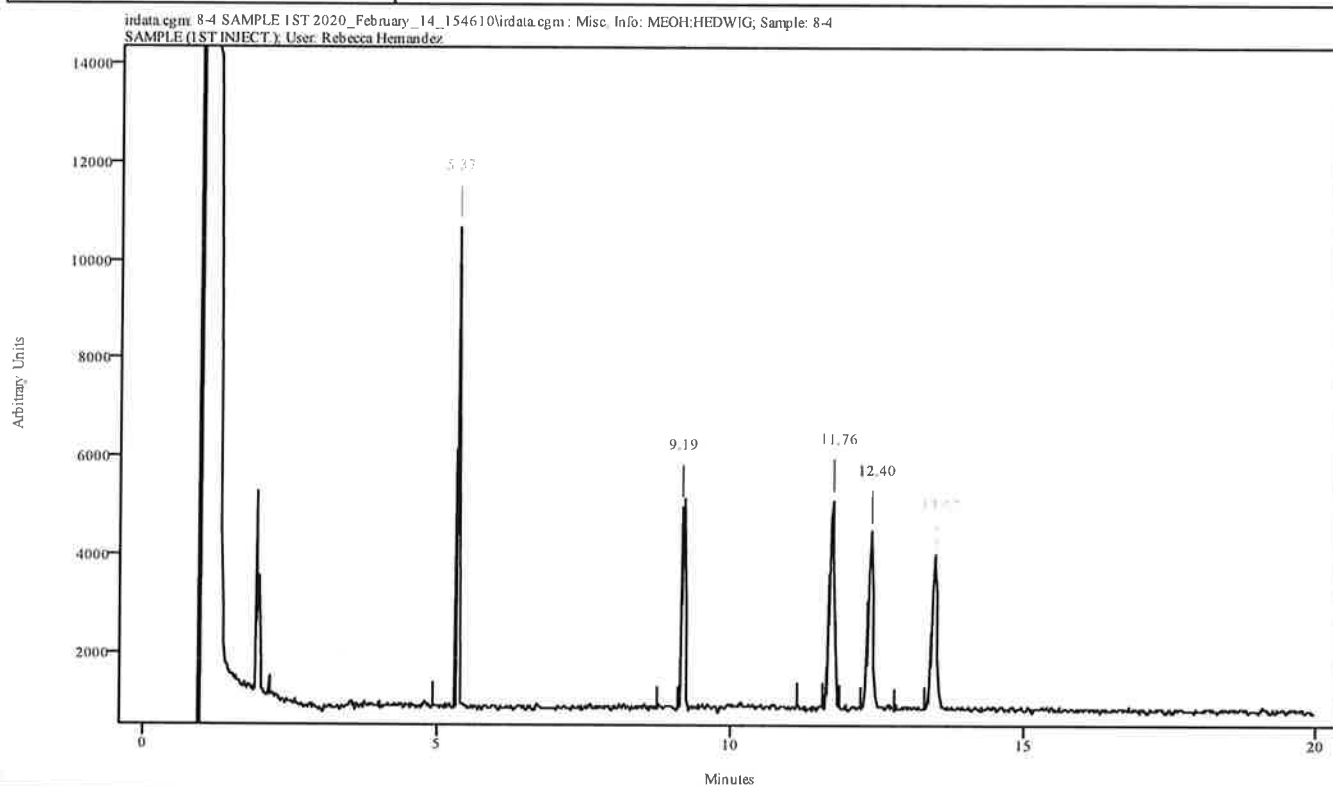


Peak Start	Peak End	Peak Width	Reference Start	Reference End

CH

IRD Data Analysis Report

Data Filename	8-4 SAMPLE 1ST 2020_February_14_154610
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
IRD Method	8 Resolution 4 Scans
GC Method	120TO270(20MIN)
GC Vial	103
Sample Name	8-4 SAMPLE (1ST INJECT.)
Misc. Info	MEOH:HEDWIG
User ID	Rebecca Hernandez
Injection Time	Fri Feb 14 16:10:02 2020
Date Processed	Fri Feb 28 15:29:16 2020

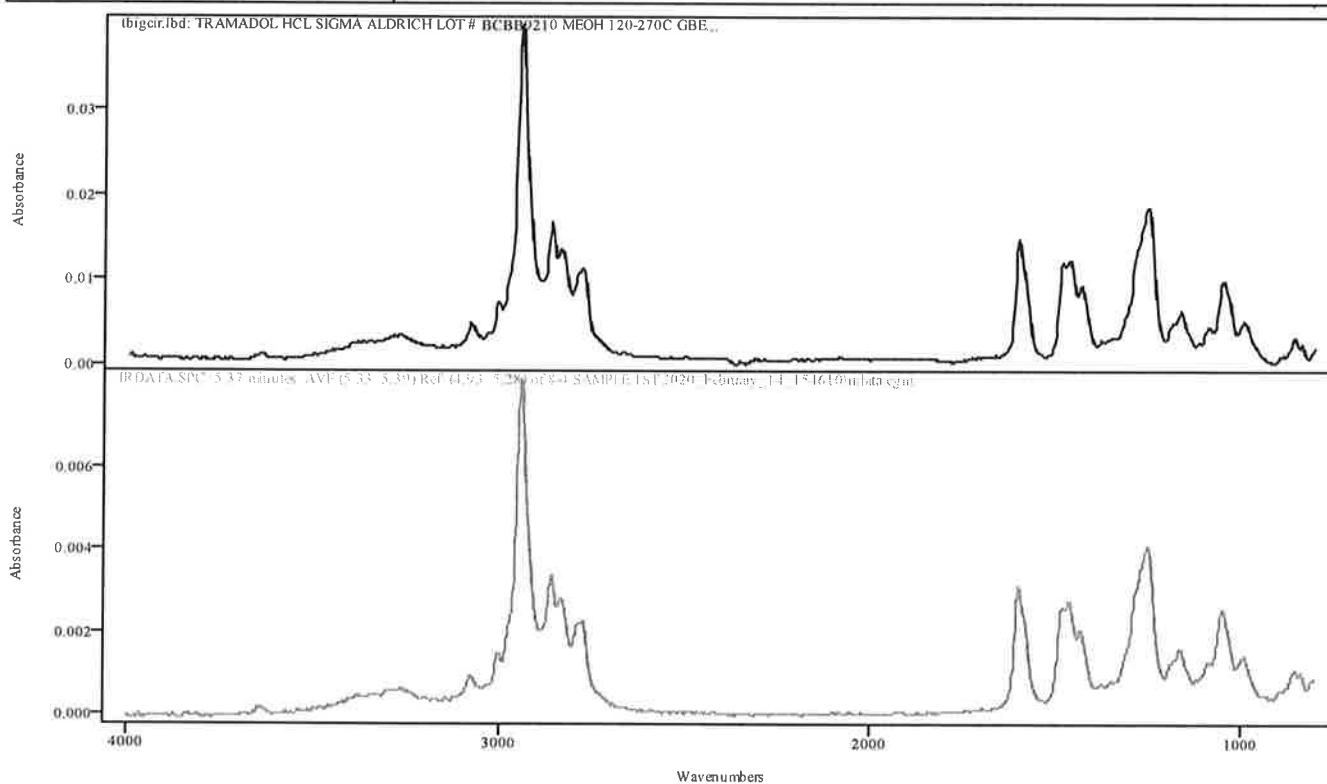


Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.327	5.393	0.066	4.929	5.283
9.151	9.239	0.088	8.753	9.106
11.692	11.803	0.111	11.162	11.604
12.355	12.466	0.111	11.869	12.245
13.416	13.549	0.133	12.797	13.328

114

Spectral Library Search Results

Data Filename	8-4 SAMPLE 1ST 2020_February_14_154610
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	5.37 minutes: AVE (5.33: 5.39) Ref. (4.93: 5.28) of 8-4 SAMPLE 1ST 2020_February_14_154610.cgm
Date	Fri Feb 28 15:29:17 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 5.37 minutes: AVE (5.33: 5.39) Ref. (4.93: 5.28) of 8-4 SAMPLE 1ST 2020_February_14_154610.cgm

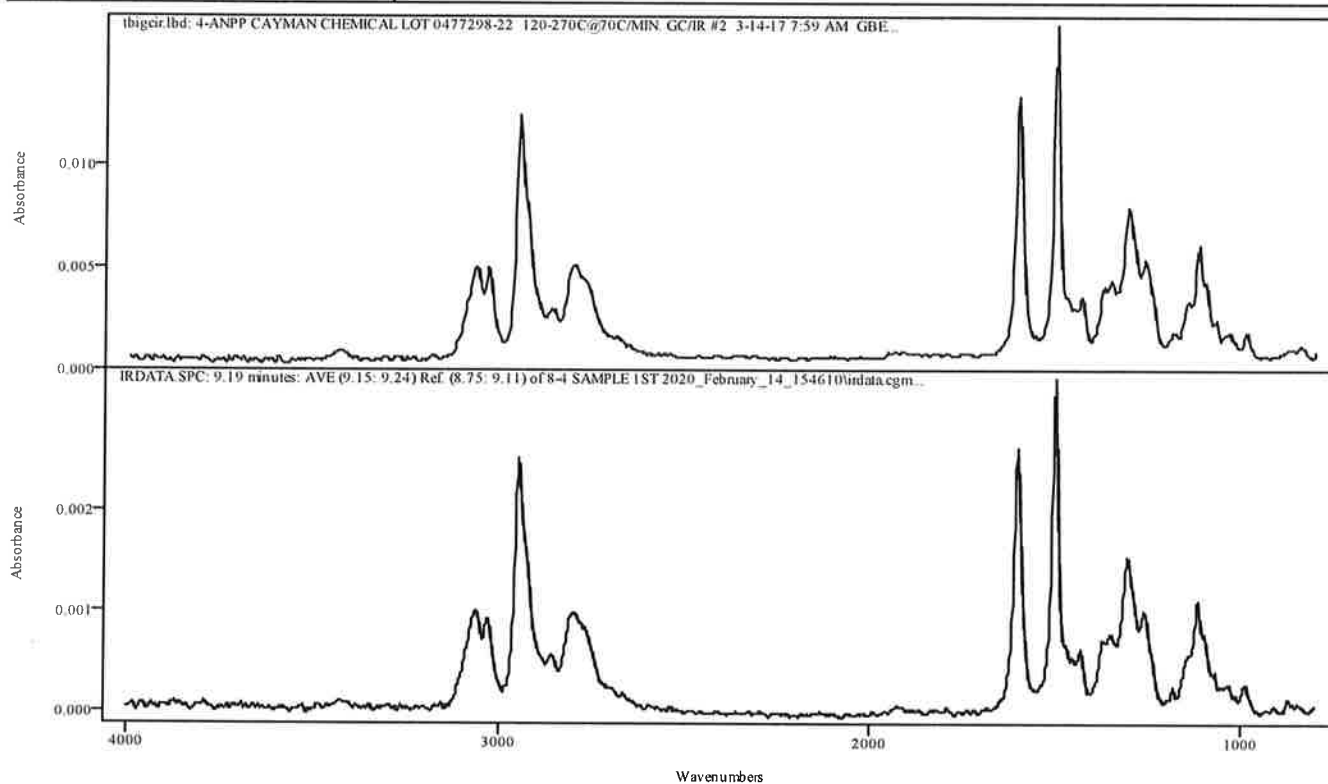
Entry 256 from Library tbigcir.lbd: TRAMADOL HCL SIGMA ALDRICH LOT # BCBB9210 MEOH 120-270C GBE

Metric	Name	Library	Entry
0.987115	TRAMADOL HCL SIGMA ALDRICH LOT # BCBB9210 MEOH 120-270C GBE	tbigcir.lbd	256

417

Spectral Library Search Results

Data Filename	8-4 SAMPLE 1ST 2020_February_14_154610
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	9.19 minutes: AVE (9.15: 9.24) Ref. (8.75: 9.11) of 8-4 SAMPLE 1ST 2020_February_14_154610.cgm
Date	Fri Feb 28 15:29:17 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 9.19 minutes: AVE (9.15: 9.24) Ref. (8.75: 9.11) of 8-4 SAMPLE 1ST 2020_February_14_154610.cgm

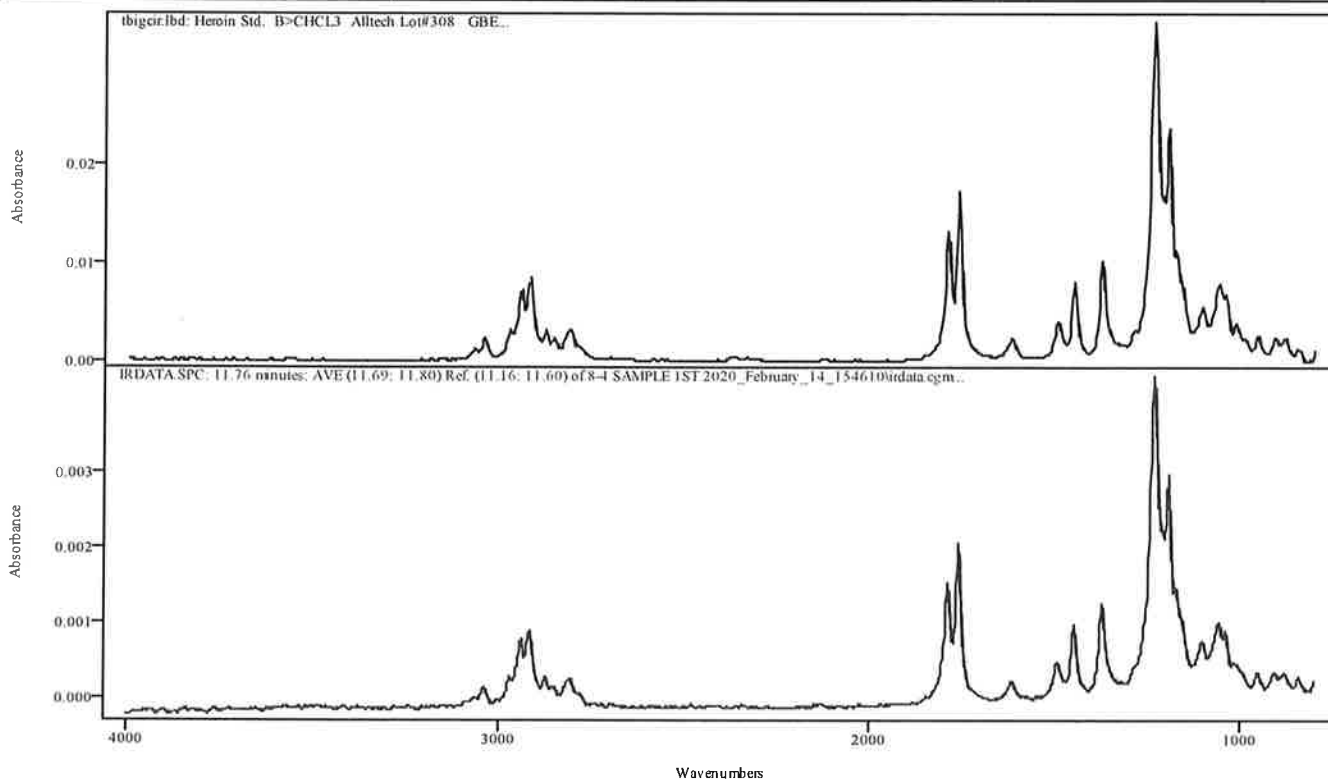
Entry 432 from Library tbigcir.lbd: 4-ANPP CAYMAN CHEMICAL LOT 0477298-22 120-270C@70C/MIN. GC/IR #2 3-14-17 7:59 AM GBE

Metric	Name	Library	Entry
0.995244	4-ANPP CAYMAN CHEMICAL LOT 0477298-22 120-270C@70C/MIN. GC/IR #2 3-14-17 7:59 AM GBE	tbigcir.lbd	432

MT

Spectral Library Search Results

Data Filename	8-4 SAMPLE 1ST 2020_February_14_154610
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	11.76 minutes: AVE (11.69: 11.80) Ref. (11.16: 11.60) of 8-4 SAMPLE 1ST 2020_February_14_154610.cgm
Date	Fri Feb 28 15:29:17 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 11.76 minutes: AVE (11.69: 11.80) Ref. (11.16: 11.60) of 8-4 SAMPLE 1ST 2020_February_14_154610.cgm

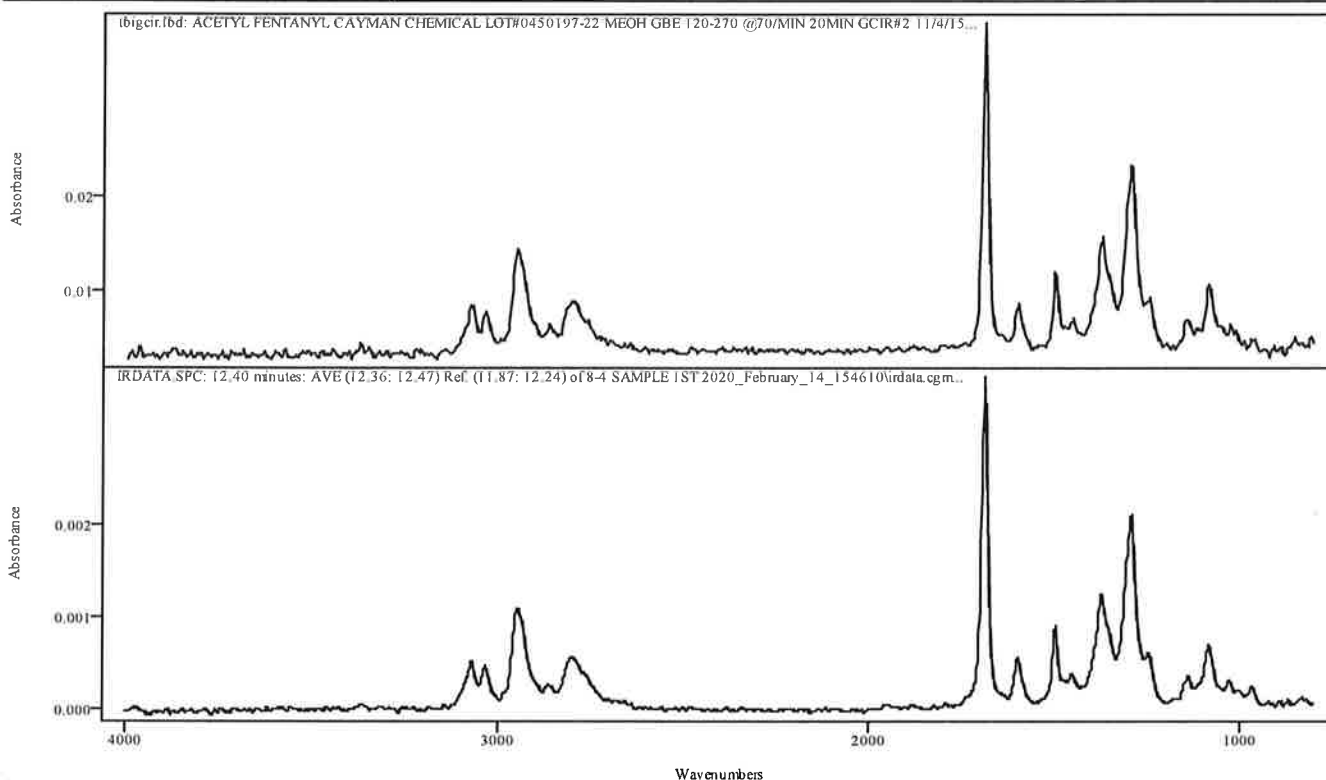
Entry 40 from Library tbigcir.lbd: Heroin Std. B>CHCL3 Alltech Lot#308 GBE

Metric	Name	Library	Entry
0.994774	Heroin Std. B>CHCL3 Alltech Lot#308 GBE	tbigcir.lbd	40

MT

Spectral Library Search Results

Data Filename	8-4 SAMPLE 1ST 2020_February_14_154610
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	12.40 minutes: AVE (12.36: 12.47) Ref. (11.87: 12.24) of 8-4 SAMPLE 1ST 2020_February_14_154610.cgm
Date	Fri Feb 28 15:29:18 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 12.40 minutes: AVE (12.36: 12.47) Ref. (11.87: 12.24) of 8-4 SAMPLE 1ST 2020_February_14_154610.cgm

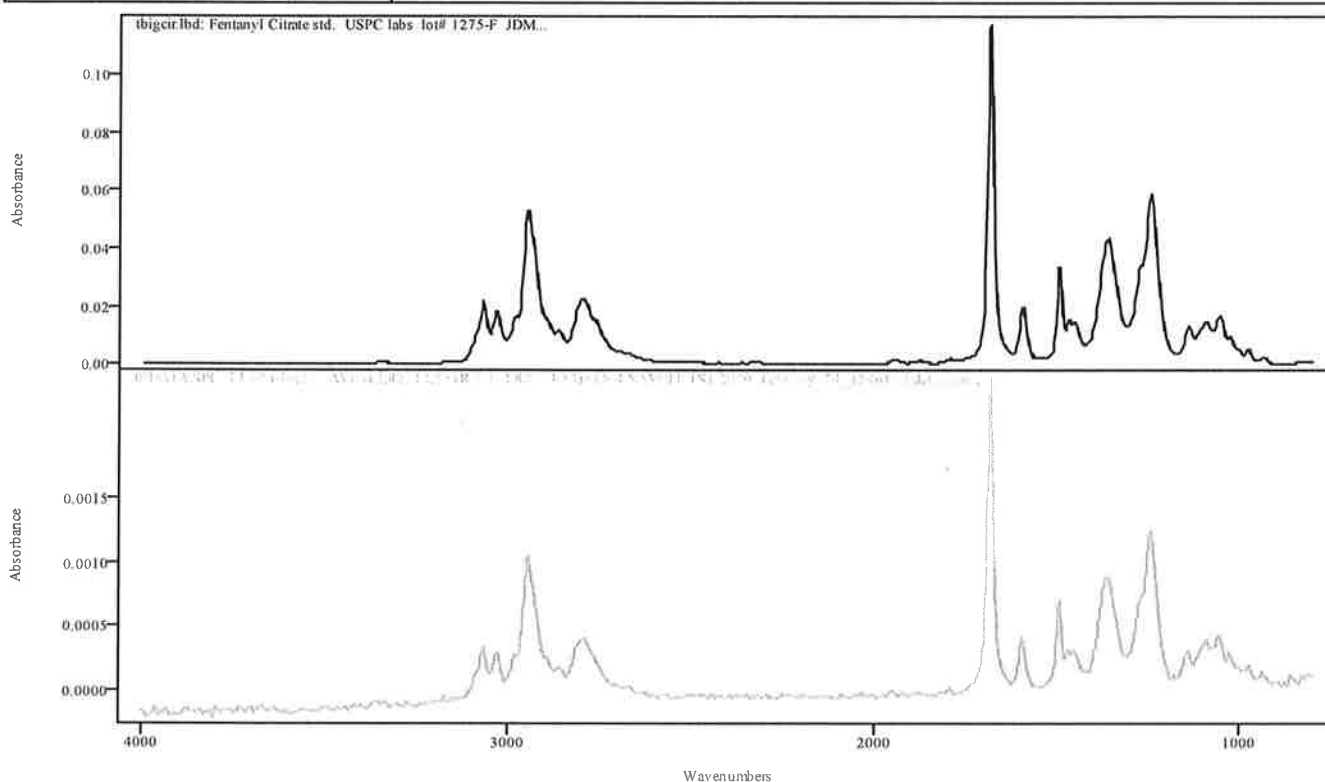
Entry 403 from Library tbigcir.lbd: ACETYL FENTANYL CAYMAN CHEMICAL LOT#0450197-22 MEOH GBE 120-270 @70/MIN 20MIN GCIR#2 11/4/15

Metric	Name	Library	Entry
0.994241	ACETYL FENTANYL CAYMAN CHEMICAL LOT#0450197-22 MEOH GBE 120-270 @70/MIN 20MIN GCIR#2 11/4/15	tbigcir.lbd	403

CMF

Spectral Library Search Results

Data Filename	8-4 SAMPLE 1ST 2020_February_14_154610
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	13.48 minutes: AVE (13.42: 13.55) Ref. (12.80: 13.33) of 8-4 SAMPLE 1ST 2020_February_14_154610.cgm
Date	Fri Feb 28 15:29:18 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 13.48 minutes: AVE (13.42: 13.55) Ref. (12.80: 13.33) of 8-4 SAMPLE 1ST 2020_February_14_154610.cgm

Entry 93 from Library tbigcir.lbd: Fentanyl Citrate std. USPC labs lot# 1275-F JDM

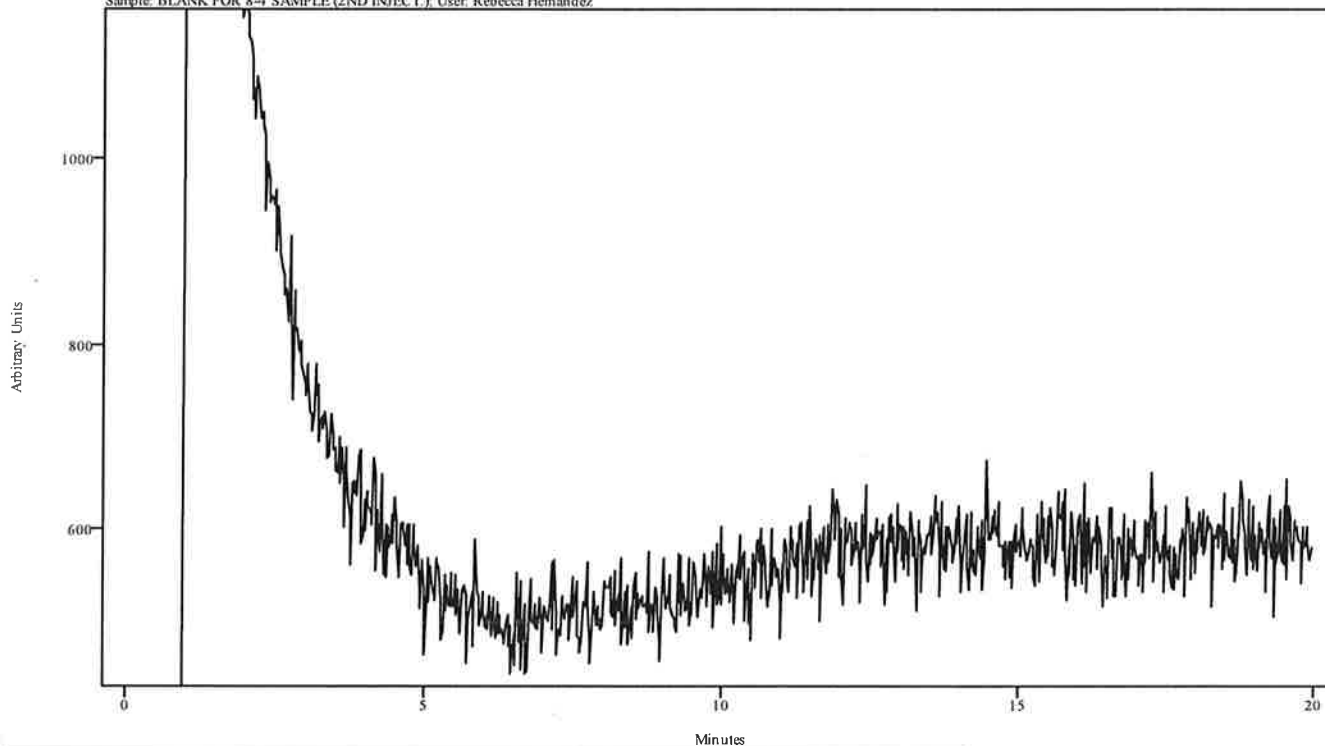
Metric	Name	Library	Entry
0.988961	Fentanyl Citrate std. USPC labs lot# 1275-F JDM	tbigcir.lbd	93

0114

IRD Data Analysis Report

Data Filename	BLANK FOR 8-4 SAMPLE 2ND 2020_February_14_174542
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
IRD Method	8 Resolution 4 Scans
GC Method	120TO270(20MIN)
GC Vial	102
Sample Name	BLANK FOR 8-4 SAMPLE (2ND INJECT.)
Misc. Info	MEOH:HEDWIG
User ID	Rebecca Hernandez
Injection Time	Fri Feb 14 18:09:36 2020
Date Processed	Tue Feb 18 08:11:13 2020

irdata.cgm: BLANK FOR 8-4 SAMPLE 2ND 2020_February_14_174542\irdata.cgm: Misc. Info: MEOH:HEDWIG;
Sample: BLANK FOR 8-4 SAMPLE (2ND INJECT.); User: Rebecca Hernandez

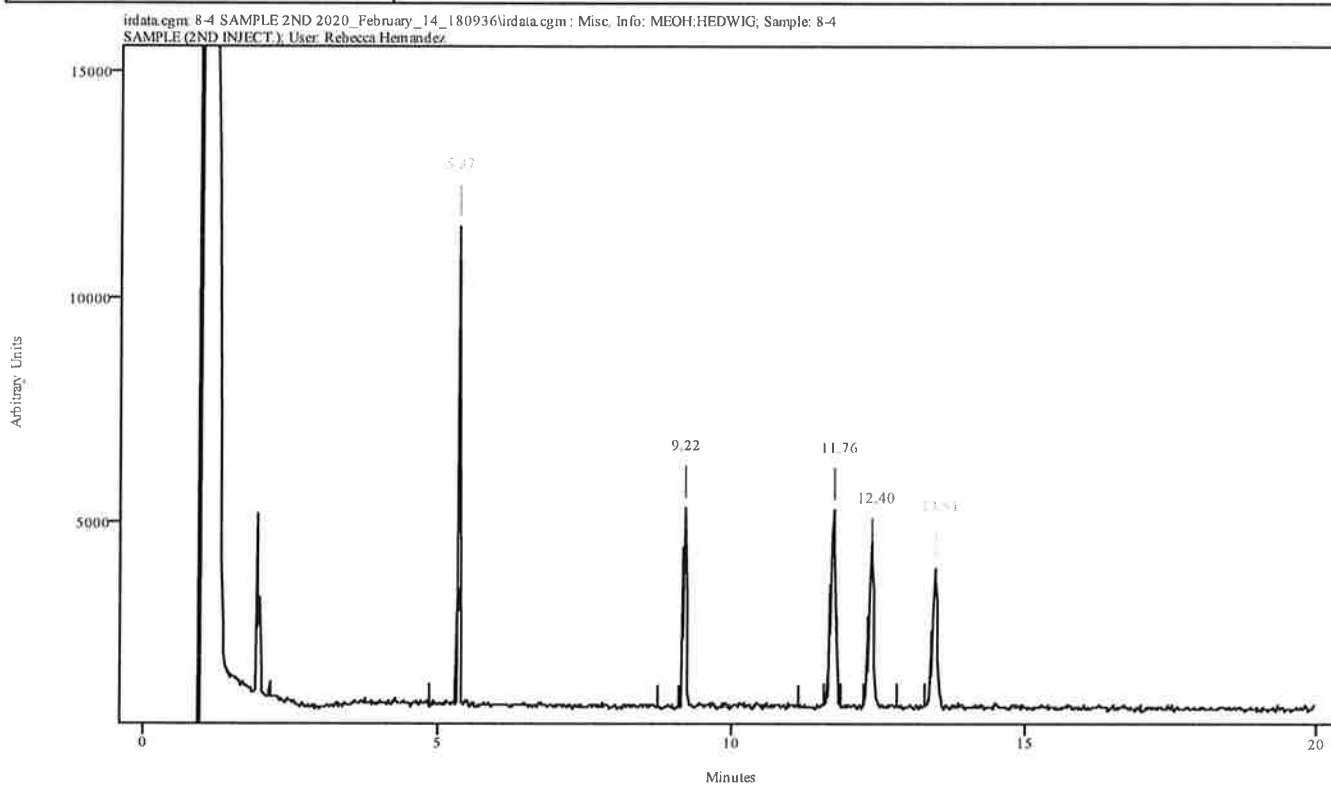


Peak Start	Peak End	Peak Width	Reference Start	Reference End
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MA

IRD Data Analysis Report

Data Filename	8-4 SAMPLE 2ND 2020_February_14_180936
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
IRD Method	8 Resolution 4 Scans
GC Method	120TO270(20MIN)
GC Vial	103
Sample Name	8-4 SAMPLE (2ND INJECT.)
Misc. Info	MEOH:HEDWIG
User ID	Rebecca Hernandez
Injection Time	Fri Feb 14 18:33:27 2020
Date Processed	Fri Feb 28 15:30:50 2020

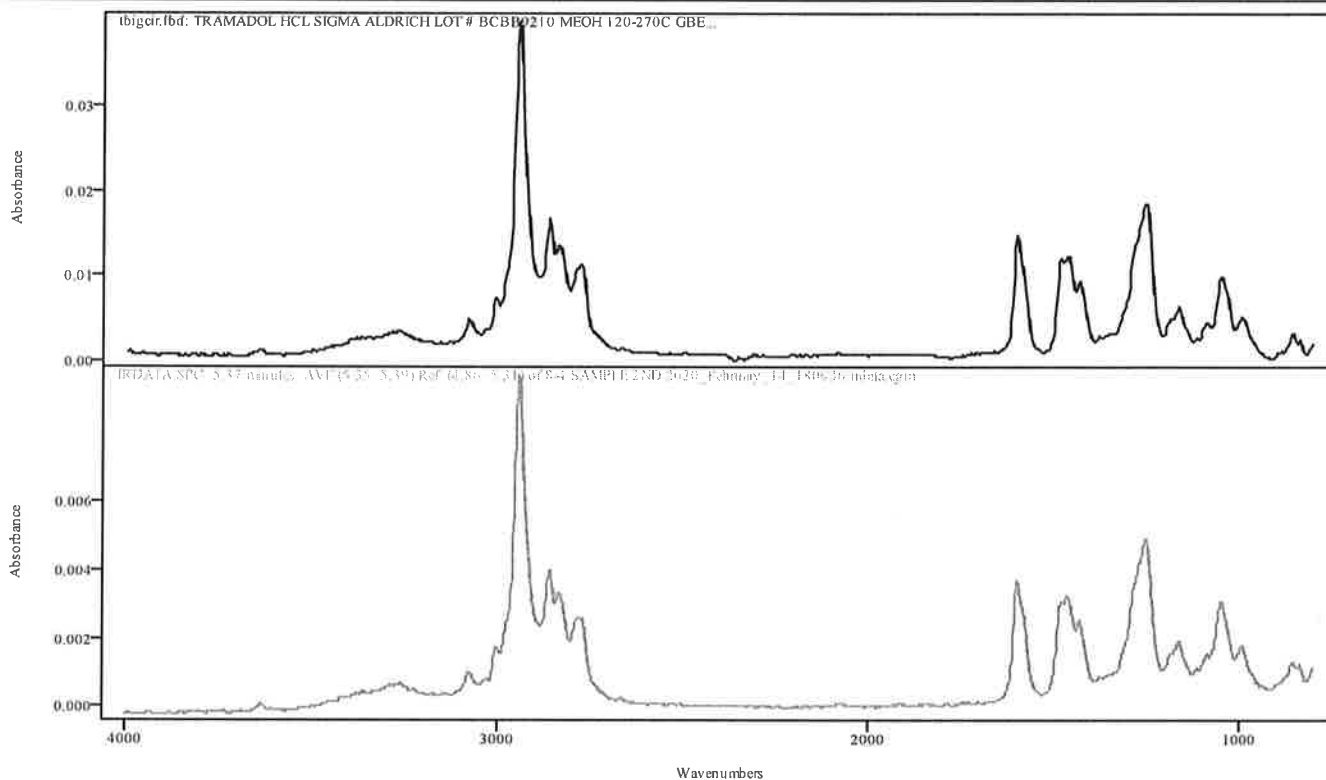


Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.353	5.394	0.044	4.863	5.305
9.173	9.262	0.088	8.753	9.107
11.693	11.804	0.111	11.163	11.605
12.356	12.467	0.111	11.870	12.268
13.440	13.550	0.111	12.865	13.307

MA

Spectral Library Search Results

Data Filename	8-4 SAMPLE 2ND 2020_February_14_180936
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	5.37 minutes: AVE (5.35: 5.39) Ref. (4.86: 5.31) of 8-4 SAMPLE 2ND 2020_February_14_180936.cgm
Date	Fri Feb 28 15:30:50 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 5.37 minutes: AVE (5.35: 5.39) Ref. (4.86: 5.31) of 8-4 SAMPLE 2ND 2020_February_14_180936.cgm

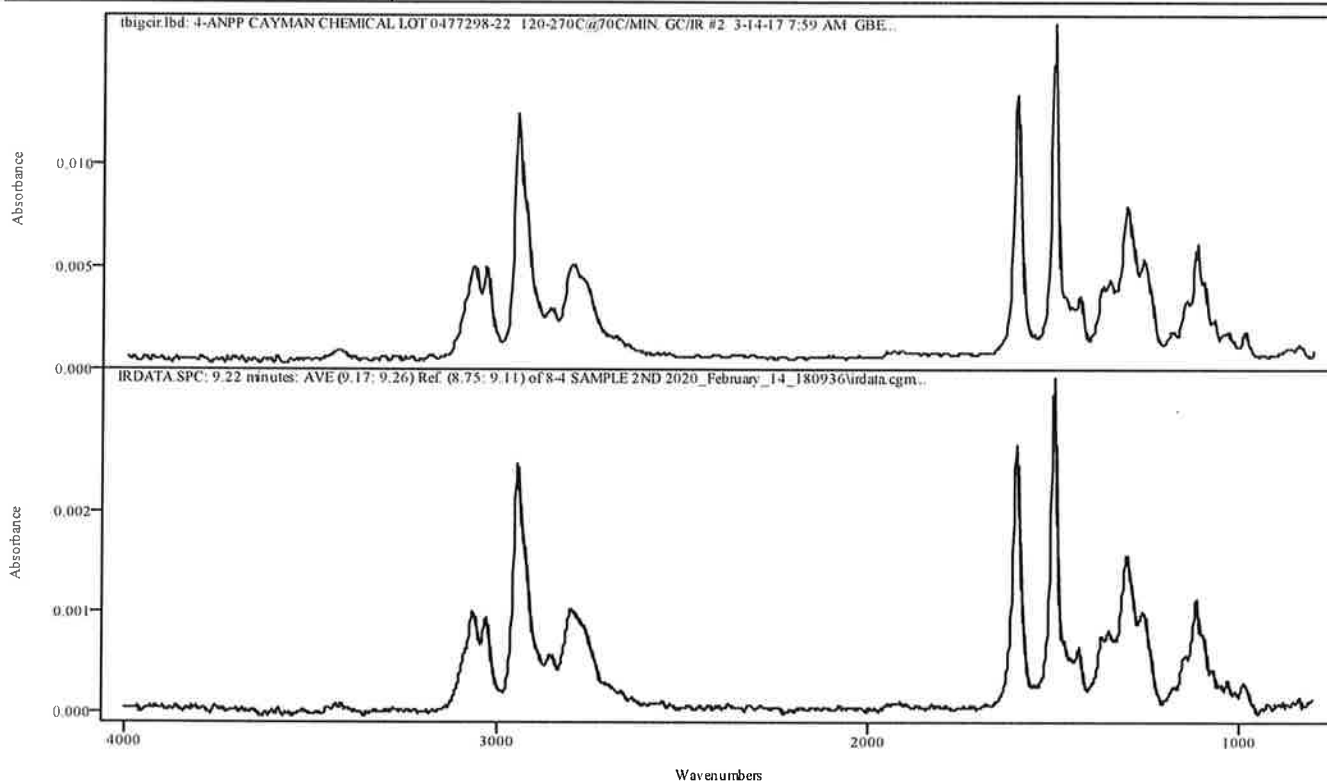
Entry 256 from Library tbigcir.lbd: TRAMADOL HCL SIGMA ALDRICH LOT # BCBB9210 MEOH 120-270C GBE

Metric	Name	Library	Entry
0.983991	TRAMADOL HCL SIGMA ALDRICH LOT # BCBB9210 MEOH 120-270C GBE	tbigcir.lbd	256

MH

Spectral Library Search Results

Data Filename	8-4 SAMPLE 2ND 2020_February_14_180936
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	9.22 minutes: AVE (9.17: 9.26) Ref. (8.75: 9.11) of 8-4 SAMPLE 2ND 2020_February_14_180936.cgm
Date	Fri Feb 28 15:30:50 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 9.22 minutes: AVE (9.17: 9.26) Ref. (8.75: 9.11) of 8-4 SAMPLE 2ND 2020_February_14_180936.cgm

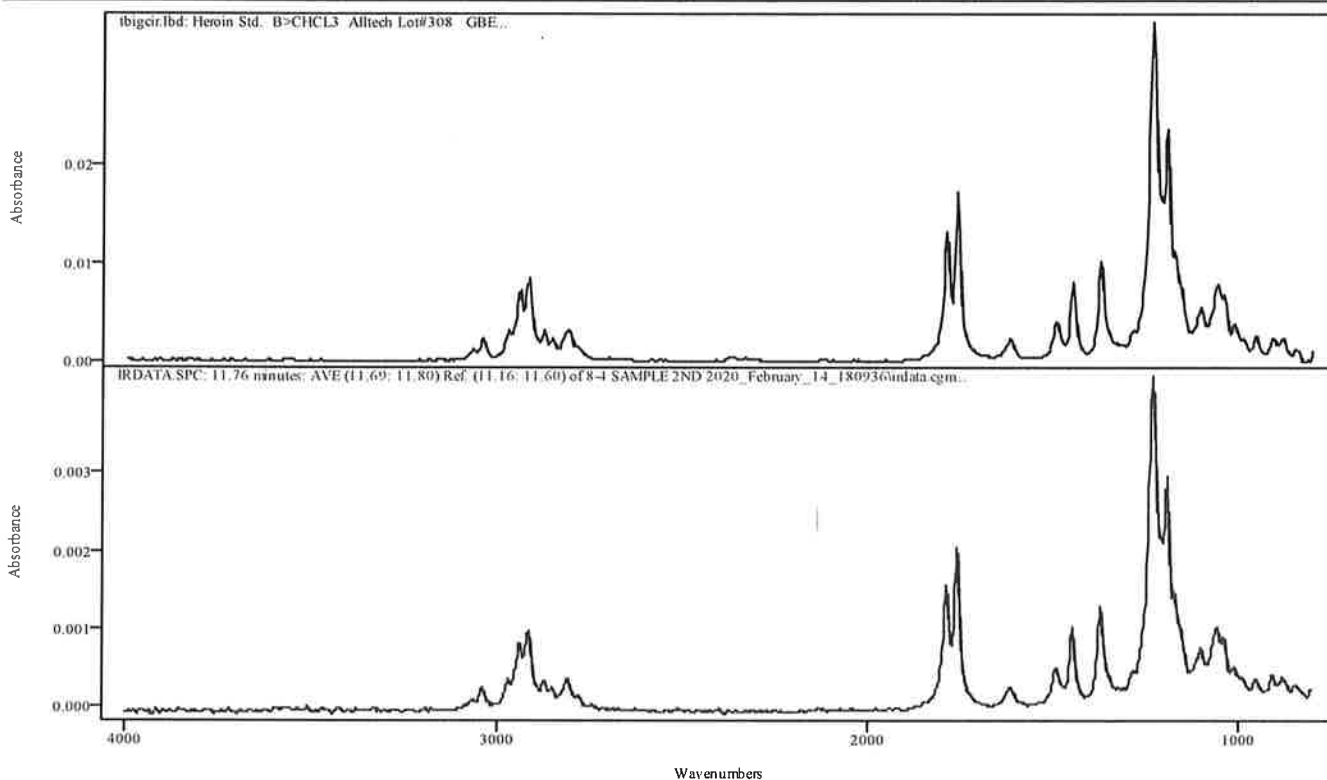
Entry 432 from Library tbigcir.lbd: 4-ANPP CAYMAN CHEMICAL LOT 0477298-22 120-270C@70C/MIN. GC/IR #2 3-14-17 7:59 AM GBE

Metric	Name	Library	Entry
0.997501	4-ANPP CAYMAN CHEMICAL LOT 0477298-22 120-270C@70C/MIN. GC/IR #2 3-14-17 7:59 AM GBE	tbigcir.lbd	432

11

Spectral Library Search Results

Data Filename	8-4 SAMPLE 2ND 2020_February_14_180936
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	11.76 minutes: AVE (11.69: 11.80) Ref. (11.16: 11.60) of 8-4 SAMPLE 2ND 2020_February_14_180936.cgm
Date	Fri Feb 28 15:30:50 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 11.76 minutes: AVE (11.69: 11.80) Ref. (11.16: 11.60) of 8-4 SAMPLE 2ND 2020_February_14_180936.cgm

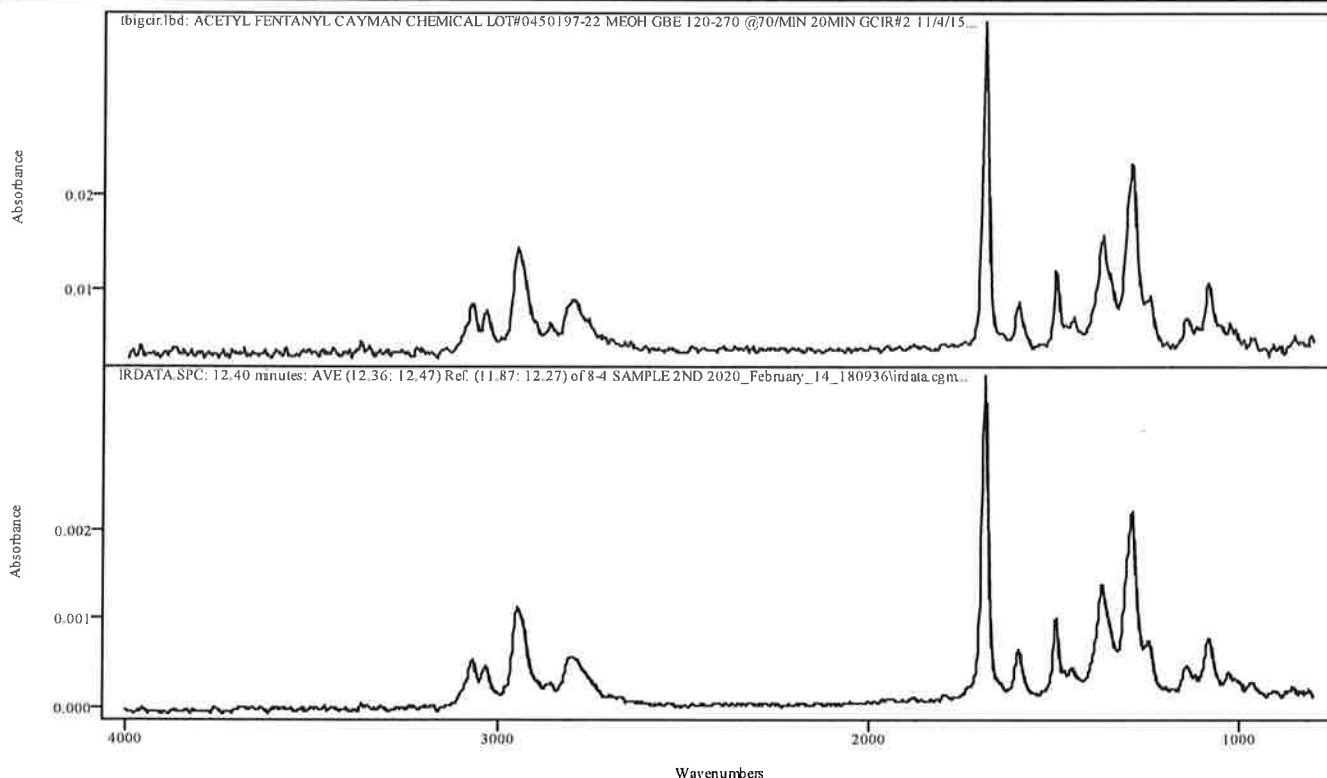
Entry 40 from Library tbigcir.lbd: Heroin Std. B>CHCL3 Alltech Lot#308 GBE

Metric	Name	Library	Entry
0.996314	Heroin Std. B>CHCL3 Alltech Lot#308 GBE	tbigcir.lbd	40

114

Spectral Library Search Results

Data Filename	8-4 SAMPLE 2ND 2020_February_14_180936
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	12.40 minutes: AVE (12.36: 12.47) Ref. (11.87: 12.27) of 8-4 SAMPLE 2ND 2020_February_14_180936.cgm
Date	Fri Feb 28 15:30:51 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 12.40 minutes: AVE (12.36: 12.47) Ref. (11.87: 12.27) of 8-4 SAMPLE 2ND 2020_February_14_180936.cgm

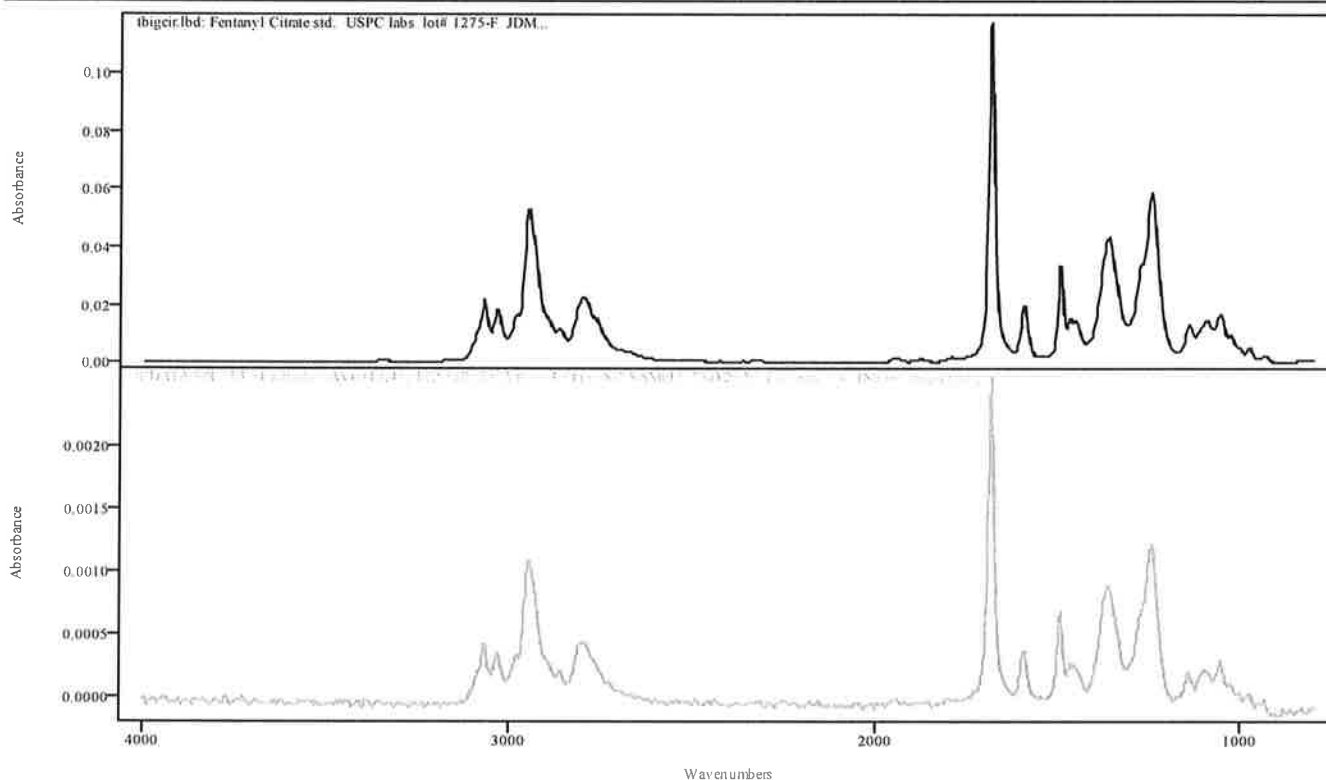
Entry 403 from Library tbigcir.lbd: ACETYL FENTANYL CAYMAN CHEMICAL LOT#0450197-22 MEOH GBE 120-270 @70/MIN 20MIN GCIR#2 11/4/15

Metric	Name	Library	Entry
0.989962	ACETYL FENTANYL CAYMAN CHEMICAL LOT#0450197-22 MEOH GBE 120-270 @70/MIN 20MIN GCIR#2 11/4/15	tbigcir.lbd	403

MT

Spectral Library Search Results

Data Filename	8-4 SAMPLE 2ND 2020_February_14_180936
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	13.51 minutes: AVE (13.44: 13.55) Ref. (12.86: 13.31) of 8-4 SAMPLE 2ND 2020_February_14_180936.cgm
Date	Fri Feb 28 15:30:51 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 13.51 minutes: AVE (13.44: 13.55) Ref. (12.86: 13.31) of 8-4 SAMPLE 2ND 2020_February_14_180936.cgm

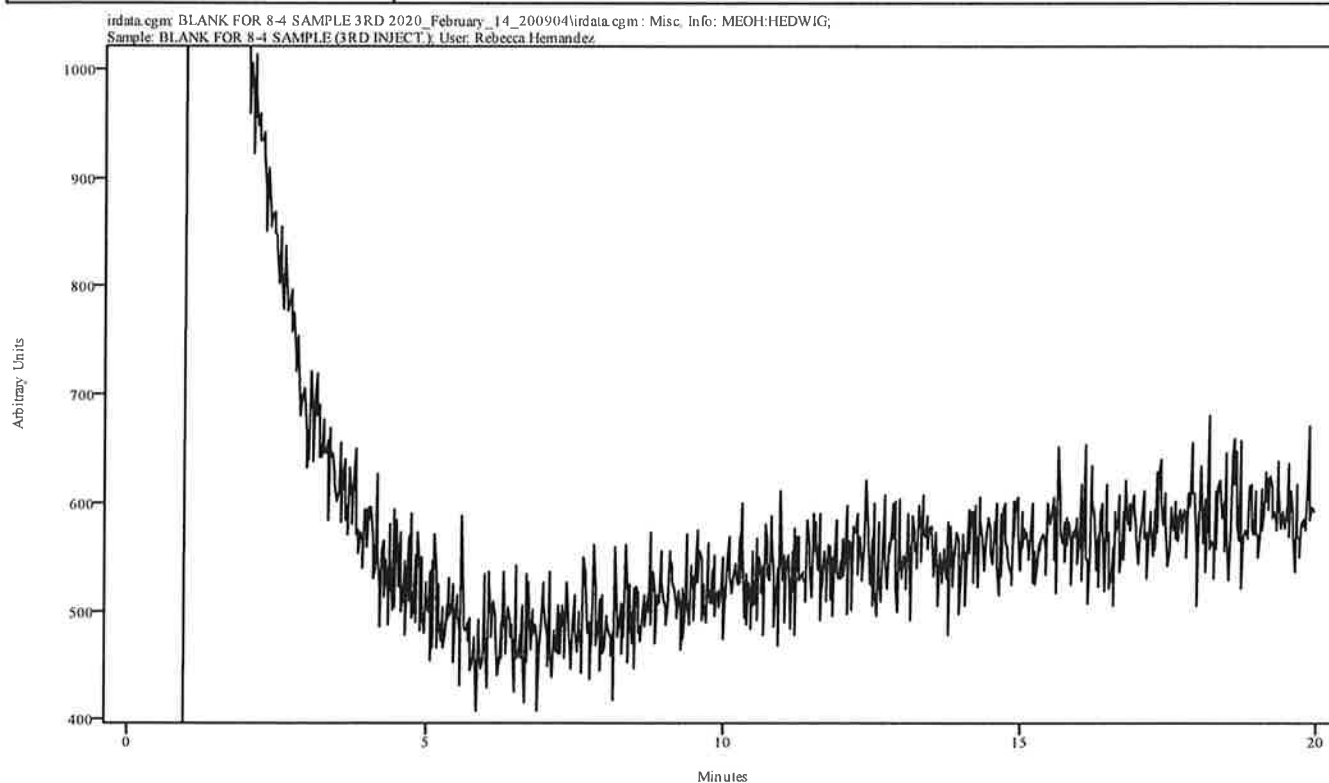
Entry 93 from Library tbigcir.lbd: Fentanyl Citrate std. USPC labs lot# 1275-F JDM

Metric	Name	Library	Entry
0.993692	Fentanyl Citrate std. USPC labs lot# 1275-F JDM	tbigcir.lbd	93

IRD Data Analysis Report



Data Filename	BLANK FOR 8-4 SAMPLE 3RD 2020_February_14_200904
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
IRD Method	8 Resolution 4 Scans
GC Method	120TO270(20MIN)
GC Vial	102
Sample Name	BLANK FOR 8-4 SAMPLE (3RD INJECT.)
Misc. Info	MEOH:HEDWIG
User ID	Rebecca Hernandez
Injection Time	Fri Feb 14 20:32:59 2020
Date Processed	Tue Feb 18 08:11:59 2020

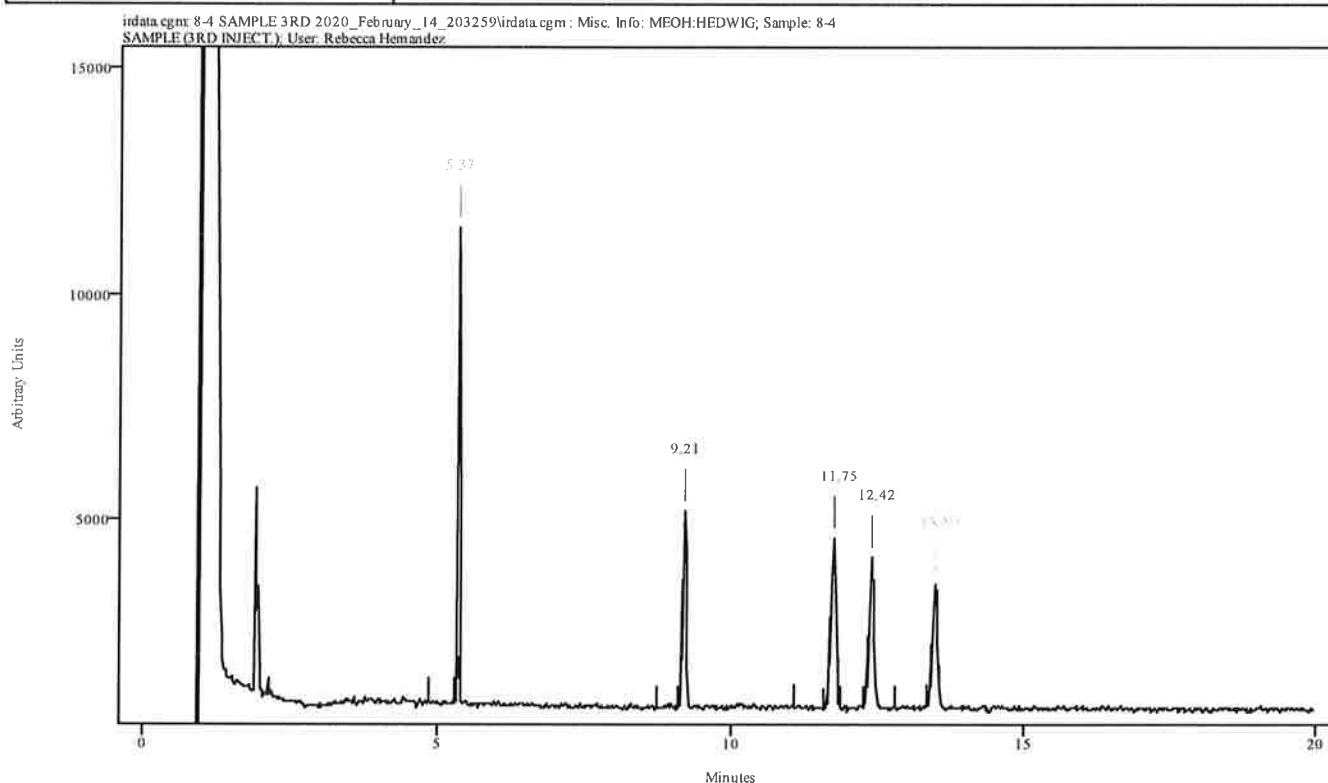


Peak Start	Peak End	Peak Width	Reference Start	Reference End
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MA

IRD Data Analysis Report

Data Filename	8-4 SAMPLE 3RD 2020_February_14_203259
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
IRD Method	8 Resolution 4 Scans
GC Method	120TO270(20MIN)
GC Vial	103
Sample Name	8-4 SAMPLE (3RD INJECT.)
Misc. Info	MEOH:HEDWIG
User ID	Rebecca Hernandez
Injection Time	Fri Feb 14 20:56:49 2020
Date Processed	Fri Feb 28 15:32:12 2020

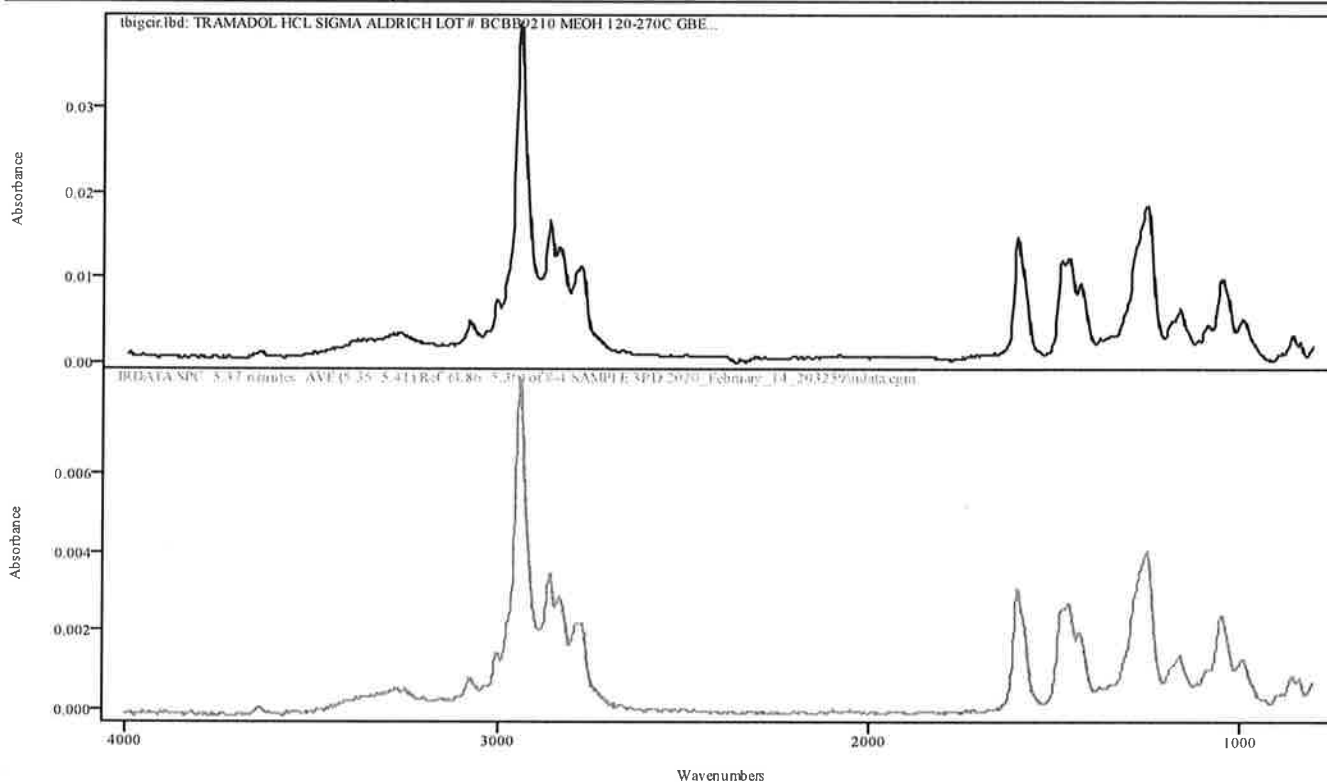


Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.354	5.404	0.066	4.861	5.303
9.170	9.258	0.088	8.750	9.103
11.688	11.821	0.133	11.070	11.600
12.351	12.462	0.110	11.865	12.263
13.434	13.567	0.133	12.815	13.346

MT

Spectral Library Search Results

Data Filename	8-4 SAMPLE 3RD 2020_February_14_203259
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	5.37 minutes: AVE (5.35: 5.41) Ref. (4.86: 5.30) of 8-4 SAMPLE 3RD 2020_February_14_203259.cgm
Date	Fri Feb 28 15:32:12 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 5.37 minutes: AVE (5.35: 5.41) Ref. (4.86: 5.30) of 8-4 SAMPLE 3RD 2020_February_14_203259.cgm

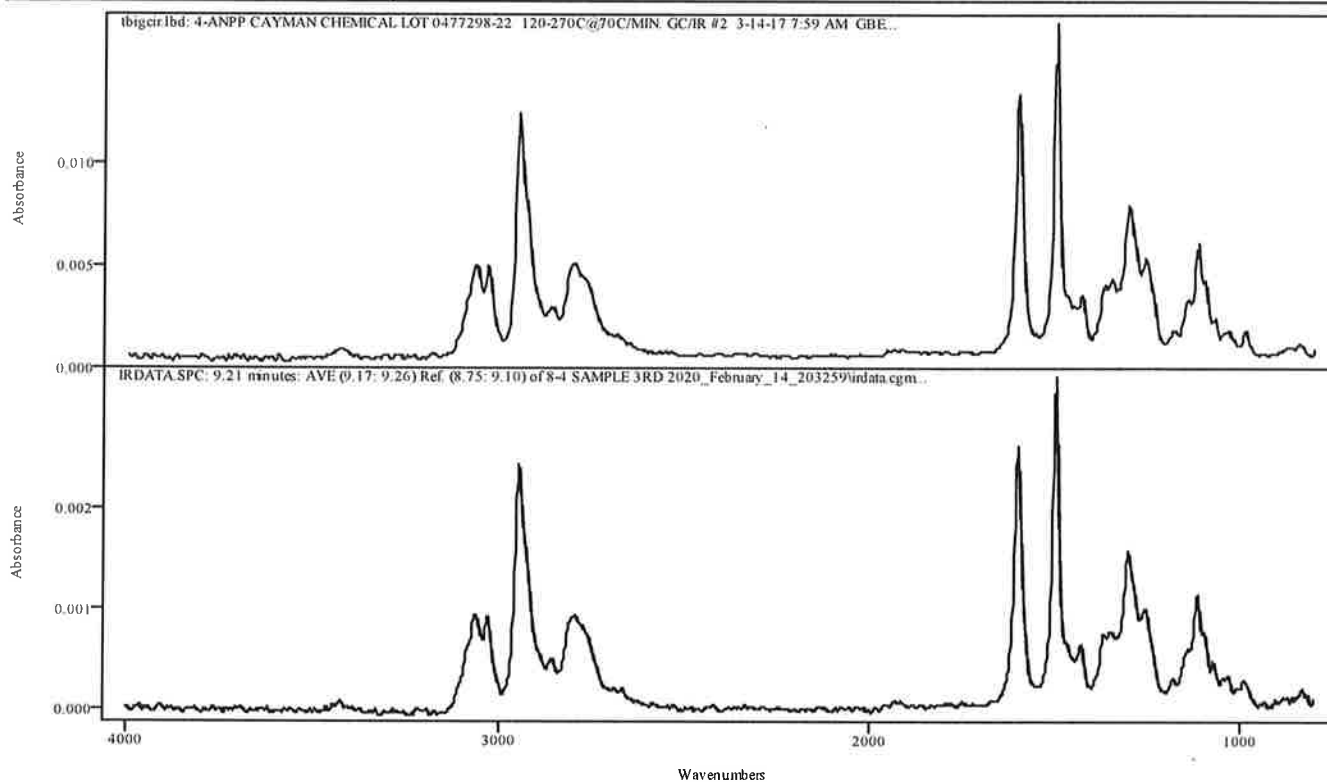
Entry 256 from Library tbigcir.lbd: TRAMADOL HCL SIGMA ALDRICH LOT # BCBB9210 MEOH 120-270C GBE

Metric	Name	Library	Entry
0.993310	TRAMADOL HCL SIGMA ALDRICH LOT # BCBB9210 MEOH 120-270C GBE	tbigcir.lbd	256

11

Spectral Library Search Results

Data Filename	8-4 SAMPLE 3RD 2020_February_14_203259
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	9.21 minutes: AVE (9.17: 9.26) Ref. (8.75: 9.10) of 8-4 SAMPLE 3RD 2020_February_14_203259.cgm
Date	Fri Feb 28 15:32:12 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 9.21 minutes: AVE (9.17: 9.26) Ref. (8.75: 9.10) of 8-4 SAMPLE 3RD 2020_February_14_203259.cgm

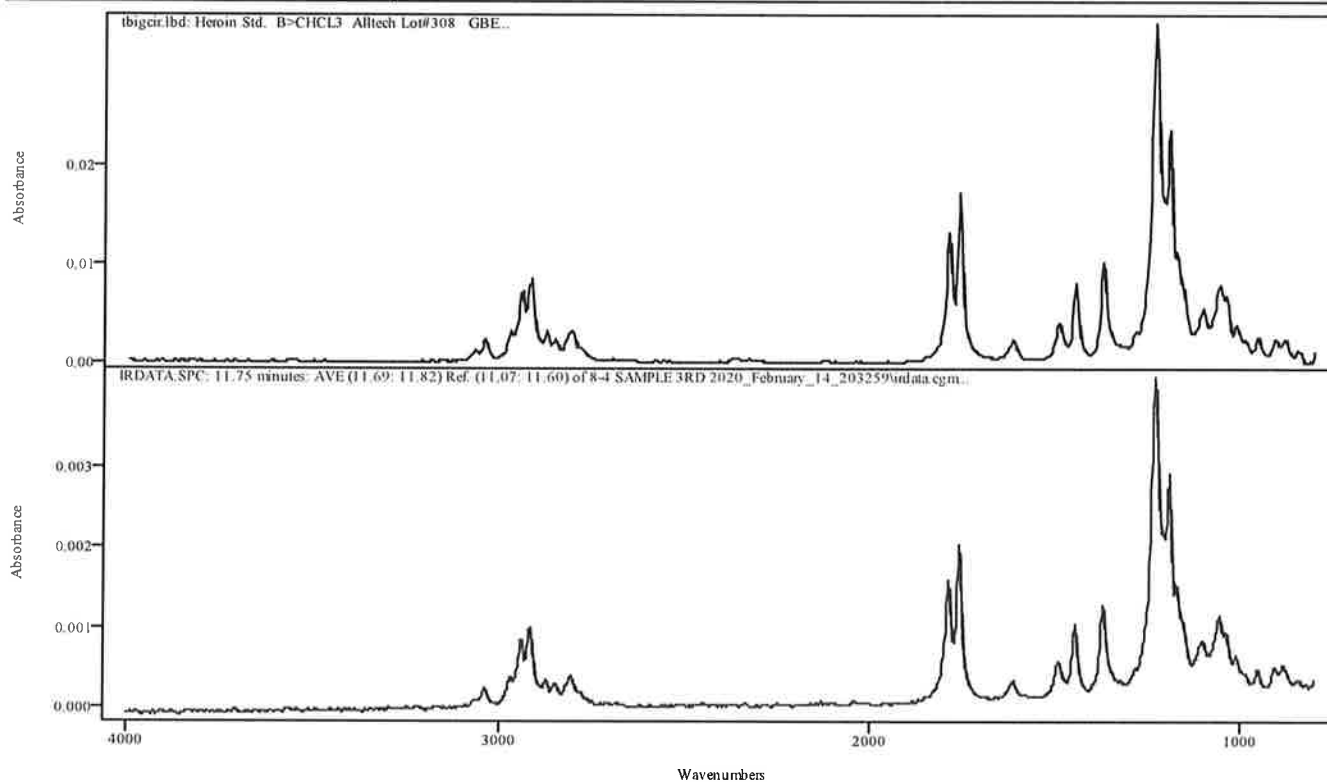
Entry 432 from Library tbicir.lbd: 4-ANPP CAYMAN CHEMICAL LOT 0477298-22 120-270C@70C/MIN. GC/IR #2 3-14-17 7:59 AM GBE

Metric	Name	Library	Entry
0.997811	4-ANPP CAYMAN CHEMICAL LOT 0477298-22 120-270C@70C/MIN. GC/IR #2 3-14-17 7:59 AM GBE	tbicir.lbd	432

14

Spectral Library Search Results

Data Filename	8-4 SAMPLE 3RD 2020_February_14_203259
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	11.75 minutes: AVE (11.69: 11.82) Ref. (11.07: 11.60) of 8-4 SAMPLE 3RD 2020_February_14_203259.cgm
Date	Fri Feb 28 15:32:12 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 11.75 minutes: AVE (11.69: 11.82) Ref. (11.07: 11.60) of 8-4 SAMPLE 3RD 2020_February_14_203259.cgm

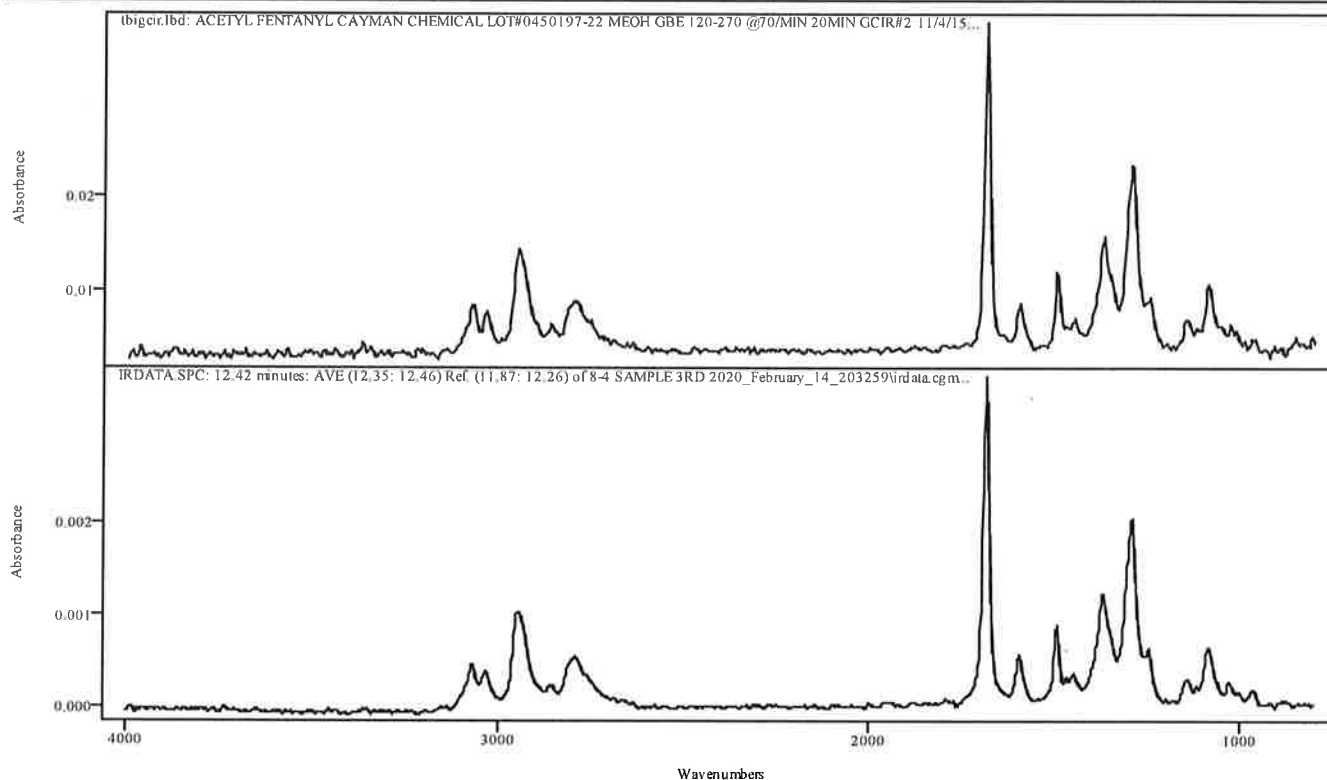
Entry 40 from Library tbigcir.lbd: Heroin Std. B>CHCL3 Alltech Lot#308 GBE

Metric	Name	Library	Entry
0.990442	Heroin Std. B>CHCL3 Alltech Lot#308 GBE	tbigcir.lbd	40

11/4

Spectral Library Search Results

Data Filename	8-4 SAMPLE 3RD 2020_February_14_203259
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	12.42 minutes: AVE (12.35: 12.46) Ref. (11.87: 12.26) of 8-4 SAMPLE 3RD 2020_February_14_203259.cgm
Date	Fri Feb 28 15:32:13 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 12.42 minutes: AVE (12.35: 12.46) Ref. (11.87: 12.26) of 8-4 SAMPLE 3RD 2020_February_14_203259.cgm

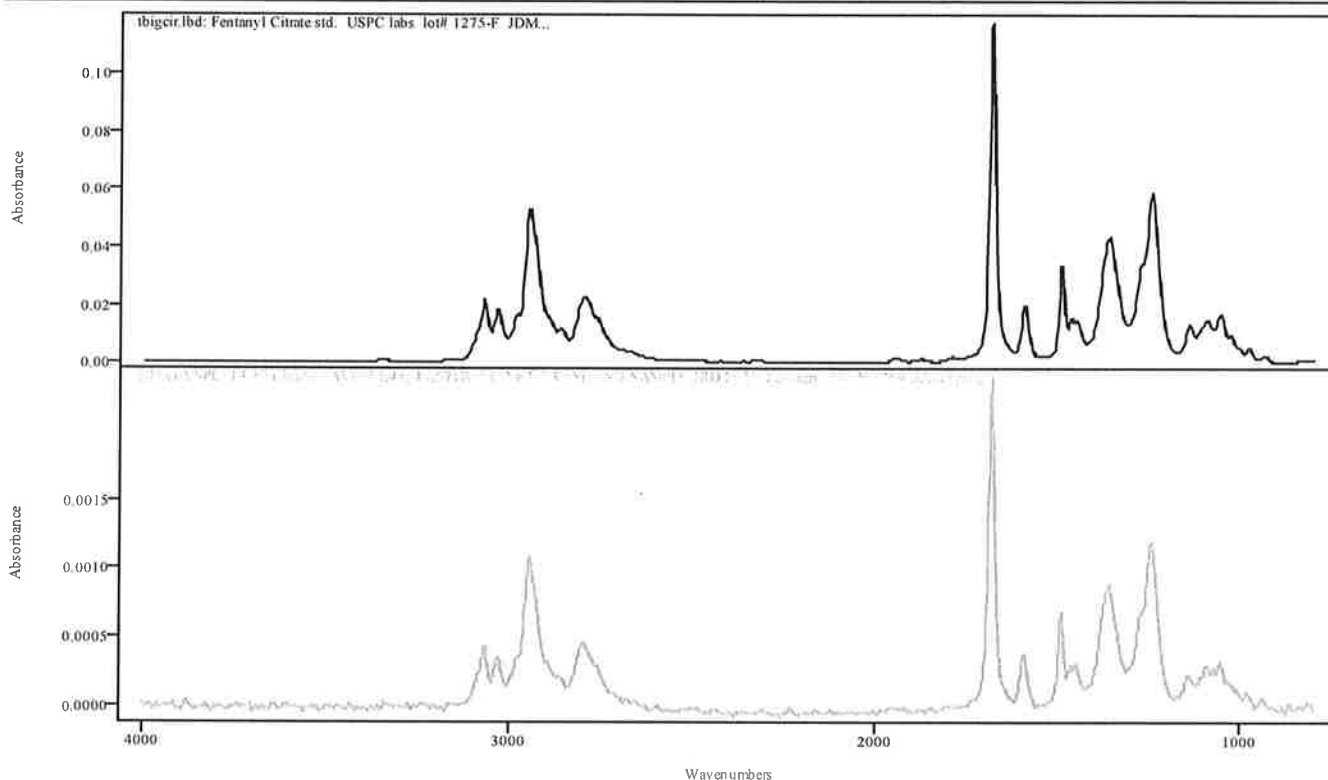
Entry 403 from Library tbigcir.lbd: ACETYL FENTANYL CAYMAN CHEMICAL LOT#0450197-22 MEOH GBE 120-270 @70/MIN 20MIN GCIR#2 11/4/15

Metric	Name	Library	Entry
0.993476	ACETYL FENTANYL CAYMAN CHEMICAL LOT#0450197-22 MEOH GBE 120-270 @70/MIN 20MIN GCIR#2 11/4/15	tbigcir.lbd	403

HH

Spectral Library Search Results

Data Filename	8-4 SAMPLE 3RD 2020_February_14_203259
Data Path	C:/ASAP DATA/Resolution and Co-Add (Scans) Study
File Title	13.50 minutes: AVE (13.43: 13.57) Ref. (12.82: 13.35) of 8-4 SAMPLE 3RD 2020_February_14_203259.cgm
Date	Fri Feb 28 15:32:13 2020
Search Algorithm	Correlation Coefficient
Search Regions	Full Spectrum



IRDATA.SPC: 13.50 minutes: AVE (13.43: 13.57) Ref. (12.82: 13.35) of 8-4 SAMPLE 3RD 2020_February_14_203259.cgm

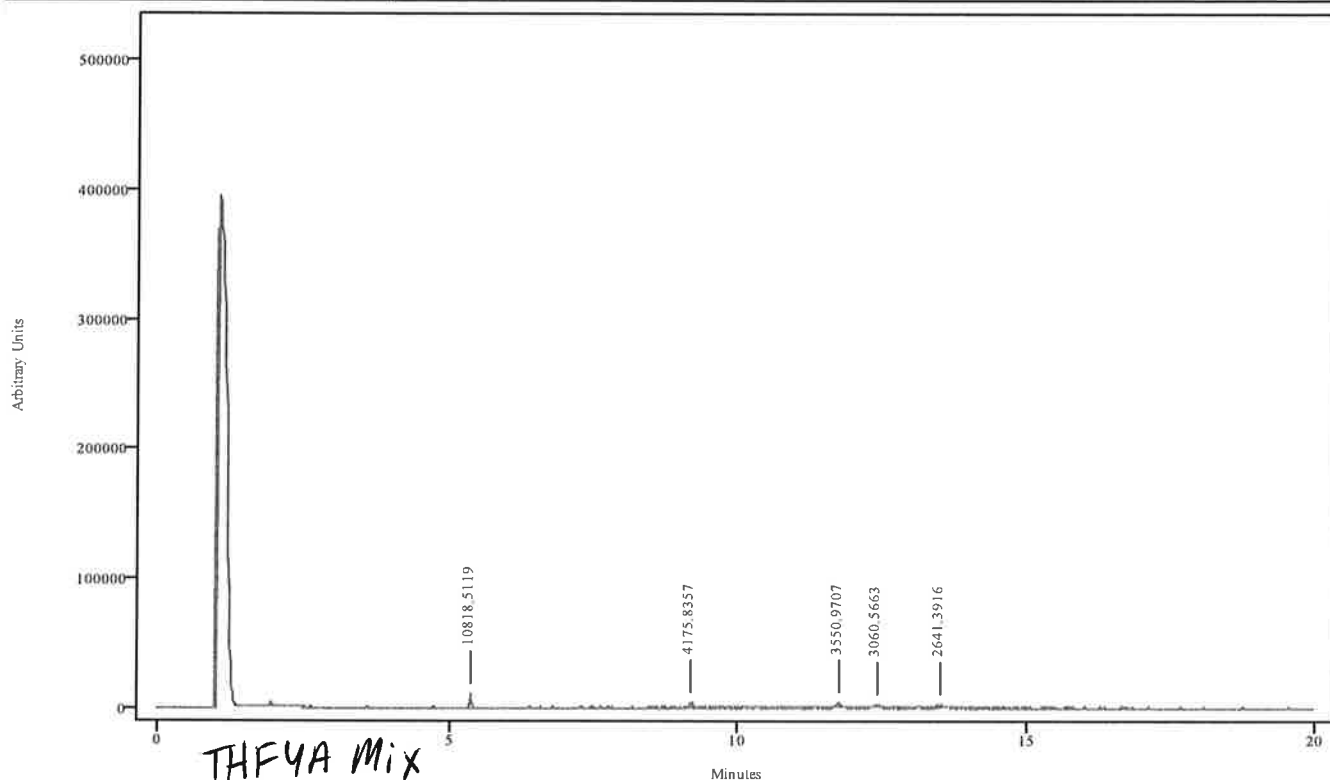
Entry 93 from Library tbigcir.lbd: Fentanyl Citrate std. USPC labs lot# 1275-F JDM

Metric	Name	Library	Entry
0.997981	Fentanyl Citrate std. USPC labs lot# 1275-F JDM	tbigcir.lbd	93

MA

Peak Measurement Results

Sample Filename	irdata.cgm
File Title	8-2 SAMPLE 1ST 2020_February_14_143428\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (1ST INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 10:14:39 2020



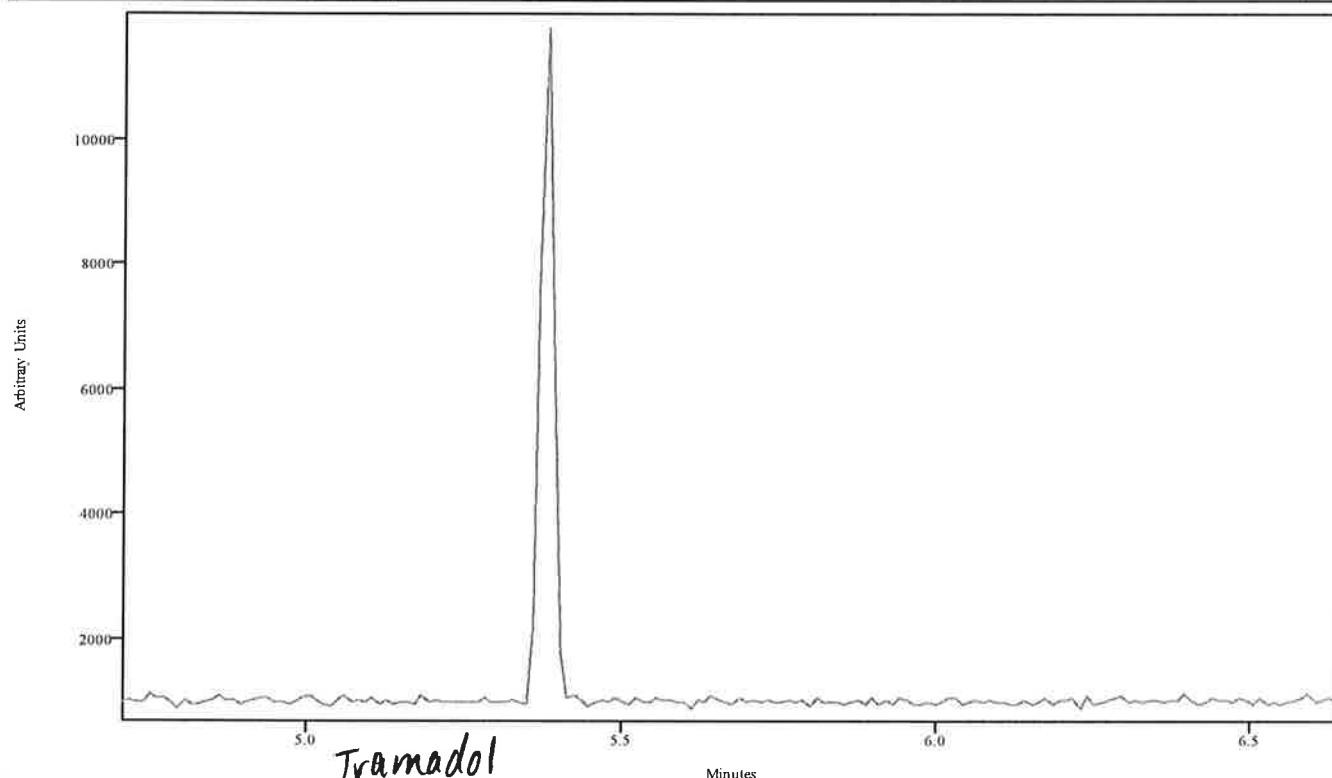
irdata.cgm: 8-2 SAMPLE 1ST 2020_February_14_143428\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (1ST INJECT.); User: Rebecca Hernandez

Filename	Left	Center	Right	Height	FWHM
irdata.cgm	13.5900	13.5100	13.3710	2641.3916	0.0893
irdata.cgm	12.4970	12.4210	12.3090	3060.5663	0.0849
irdata.cgm	11.8330	11.7710	11.6430	3550.9707	0.0834
irdata.cgm	9.2900	9.2250	9.1500	4175.8357	0.0561
irdata.cgm	5.4140	5.3810	5.3480	10818.5119	0.0243

Handwritten signature

Signal-to-Noise Results

Sample Filename	irdata.cgm
File Title	8-2 SAMPLE 1ST 2020_February_14_143428\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (1ST INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 11:13:00 2020



irdata.cgm: 8-2 SAMPLE 1ST 2020_February_14_143428\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (1ST INJECT.); User: Rebecca Hernandez

Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	77.0945	26.0487	0.0384	34.9021	982.5684	28.1522	5.2700	5.3400

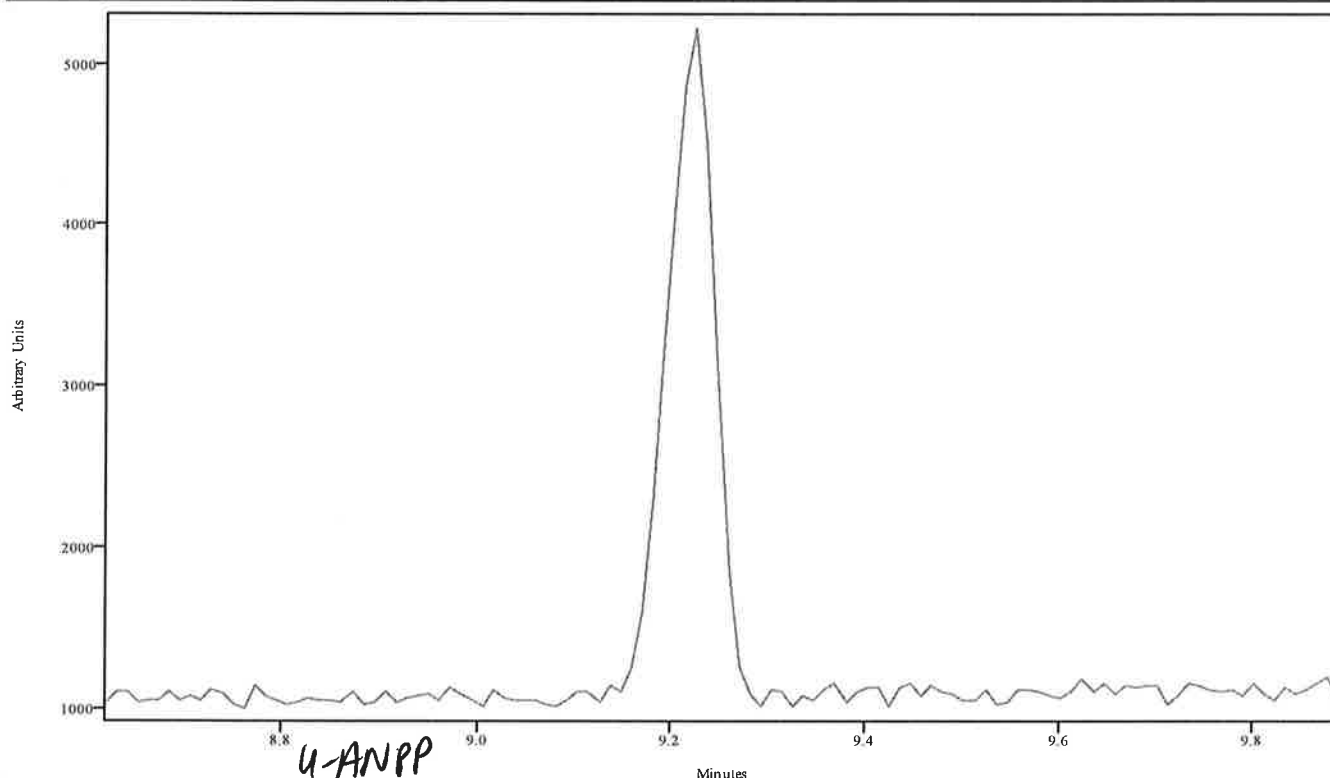
$$\text{Signal} = 10819 \quad \text{Noise} = 77$$

$$S/N = 141$$

JK

Signal-to-Noise Results

Sample Filename	irdata.cgm
File Title	8-2 SAMPLE 1ST 2020_February_14_143428\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (1ST INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 11:13:54 2020



irdata.cgm: 8-2 SAMPLE 1ST 2020_February_14_143428\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (1ST INJECT.); User: Rebecca Hernandez

Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	107.9646	31.4429	0.0318	32.2832	1060.9697	32.8645	8.9900	9.1300

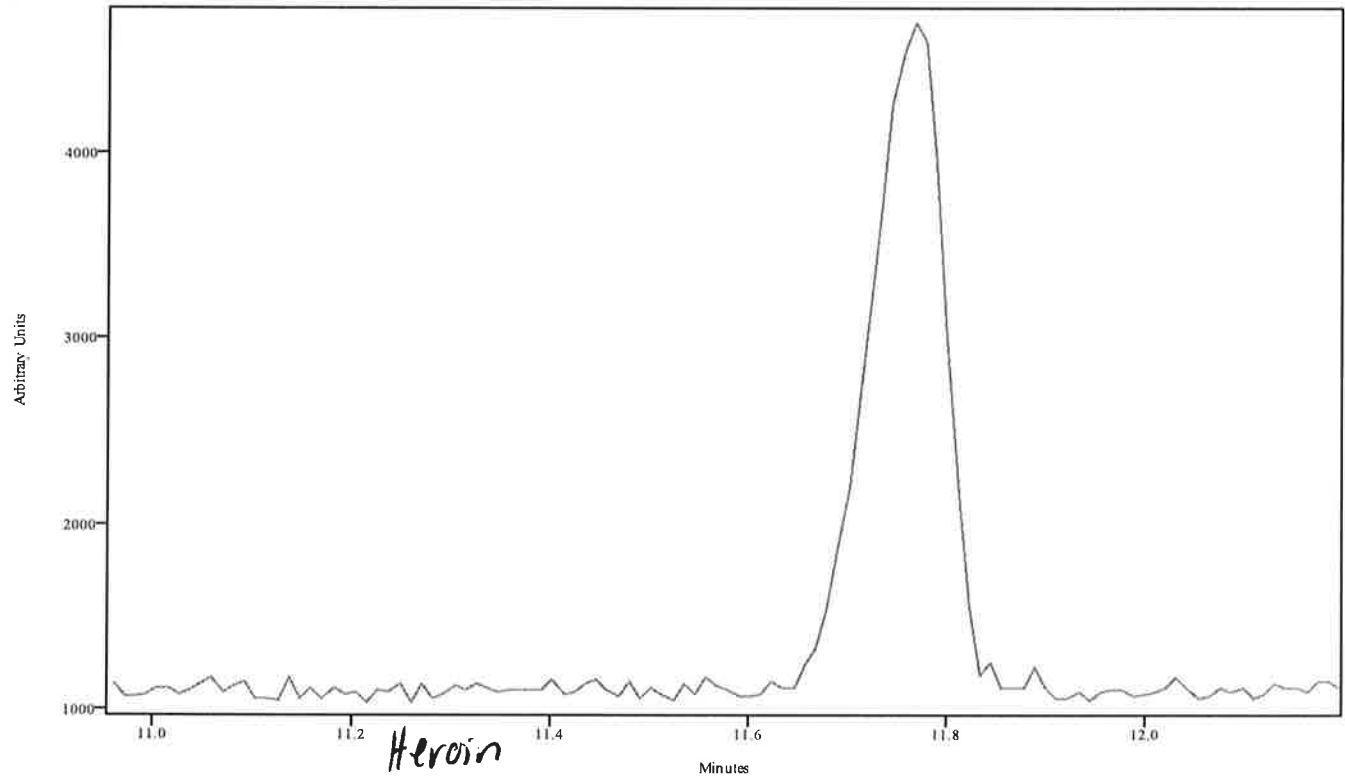
$$\text{Signal} = 4175^{\text{u-ANPP}} \quad \text{Noise} = 108$$

$$\text{S/N} = 39$$

AK

Signal-to-Noise Results

Sample Filename	irdata.cgm
File Title	8-2 SAMPLE 1ST 2020_February_14_143428\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (1ST INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 11:15:12 2020



irdata.cgm: 8-2 SAMPLE 1ST 2020_February_14_143428\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (1ST INJECT.); User: Rebecca Hernandez

Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	136.3537	35.2340	0.0284	29.7513	1103.3984	37.0874	11.4200	11.6100

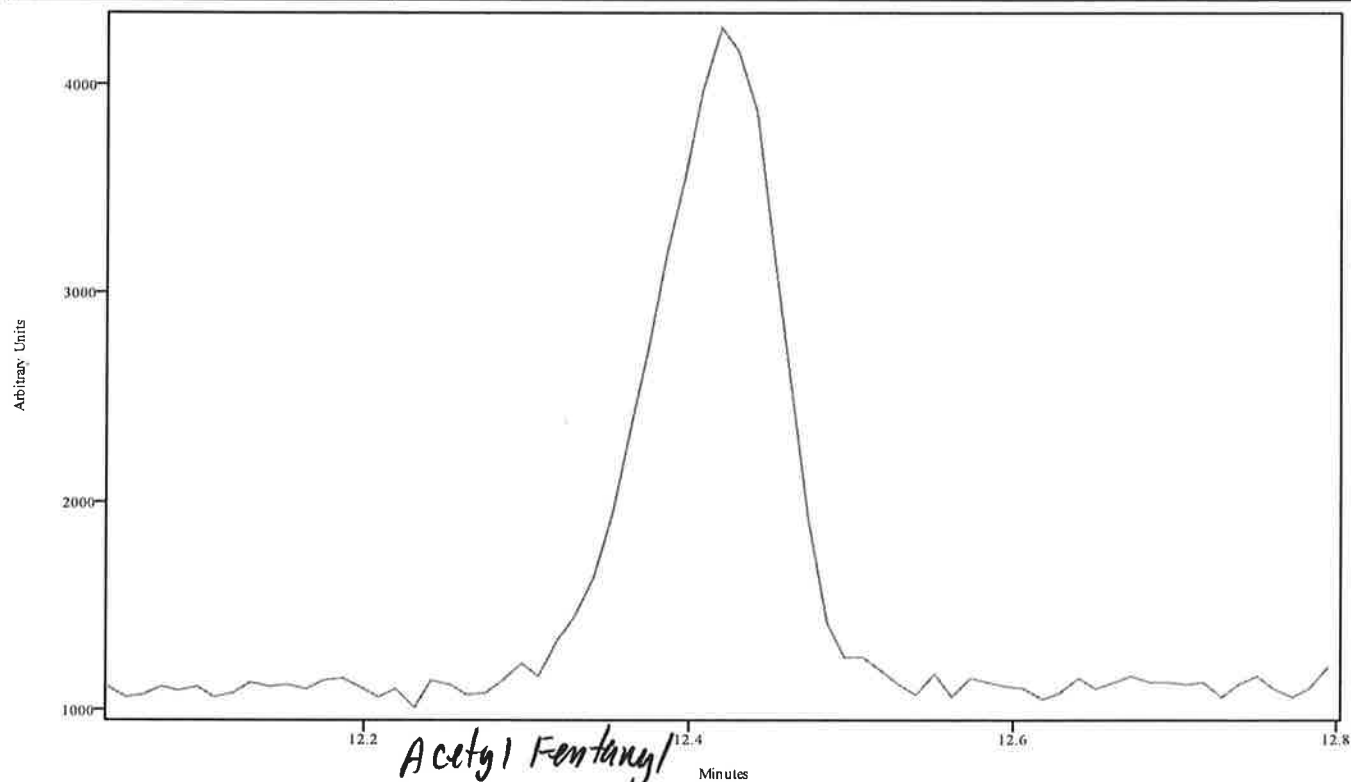
$$\text{Signal} = 3551 \quad \text{Noise} = 136$$

$$\text{S/N} = 26$$

Signal-to-Noise Results

JA

Sample Filename	irdata.cgm
File Title	8-2 SAMPLE 1ST 2020_February_14_143428\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (1ST INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 11:16:08 2020



irdata.cgm: 8-2 SAMPLE 1ST 2020_February_14_143428\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (1ST INJECT.); User: Rebecca Hernandez

Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	136.5955	33.6294	0.0297	31.5845	1099.9726	34.8264	12.0800	12.2700

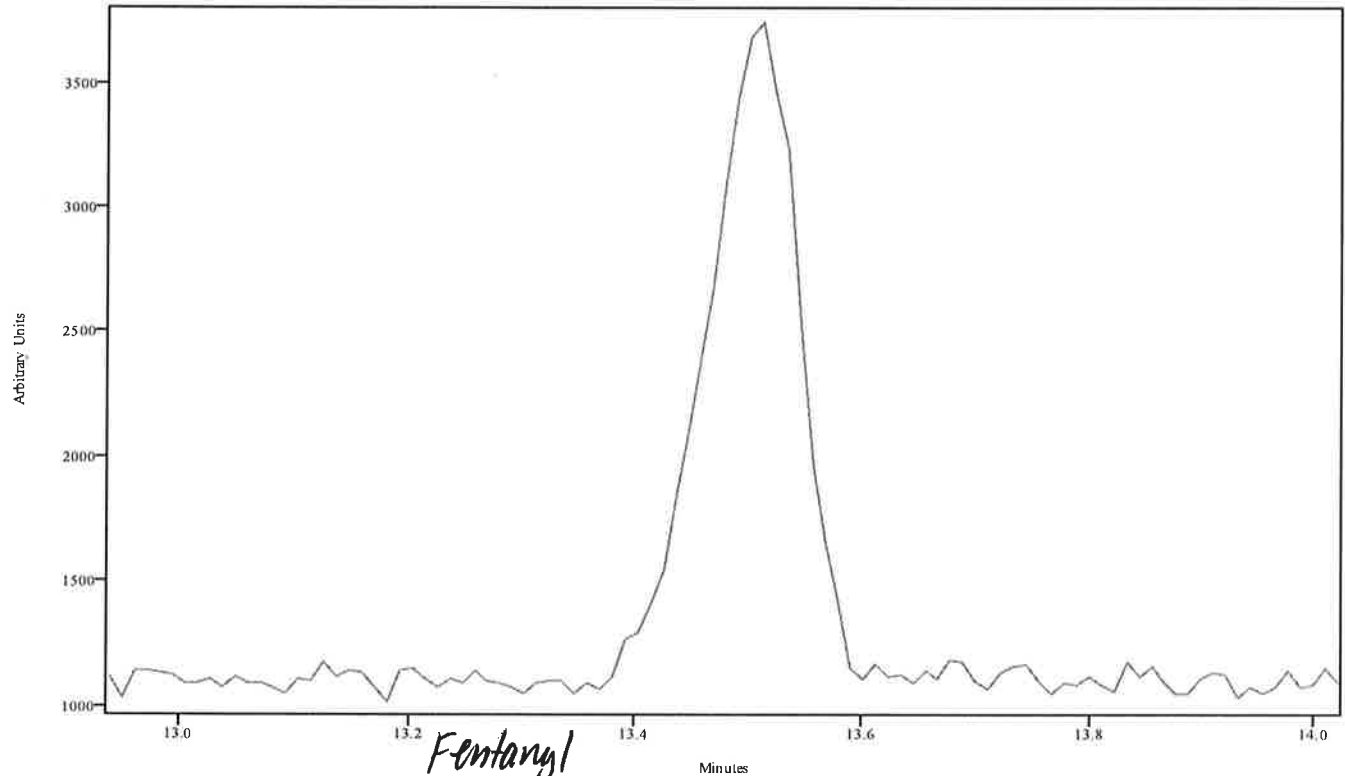
$$\text{Signal} = 3061 \quad \text{Noise} = 137$$

$$S/N = 22$$

CH

Signal-to-Noise Results

Sample Filename	irdata.cgm
File Title	8-2 SAMPLE 1ST 2020_February_14_143428\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (1ST INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 11:16:57 2020



irdata.cgm: 8-2 SAMPLE 1ST 2020_February_14_143428\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (1ST INJECT.); User: Rebecca Hernandez

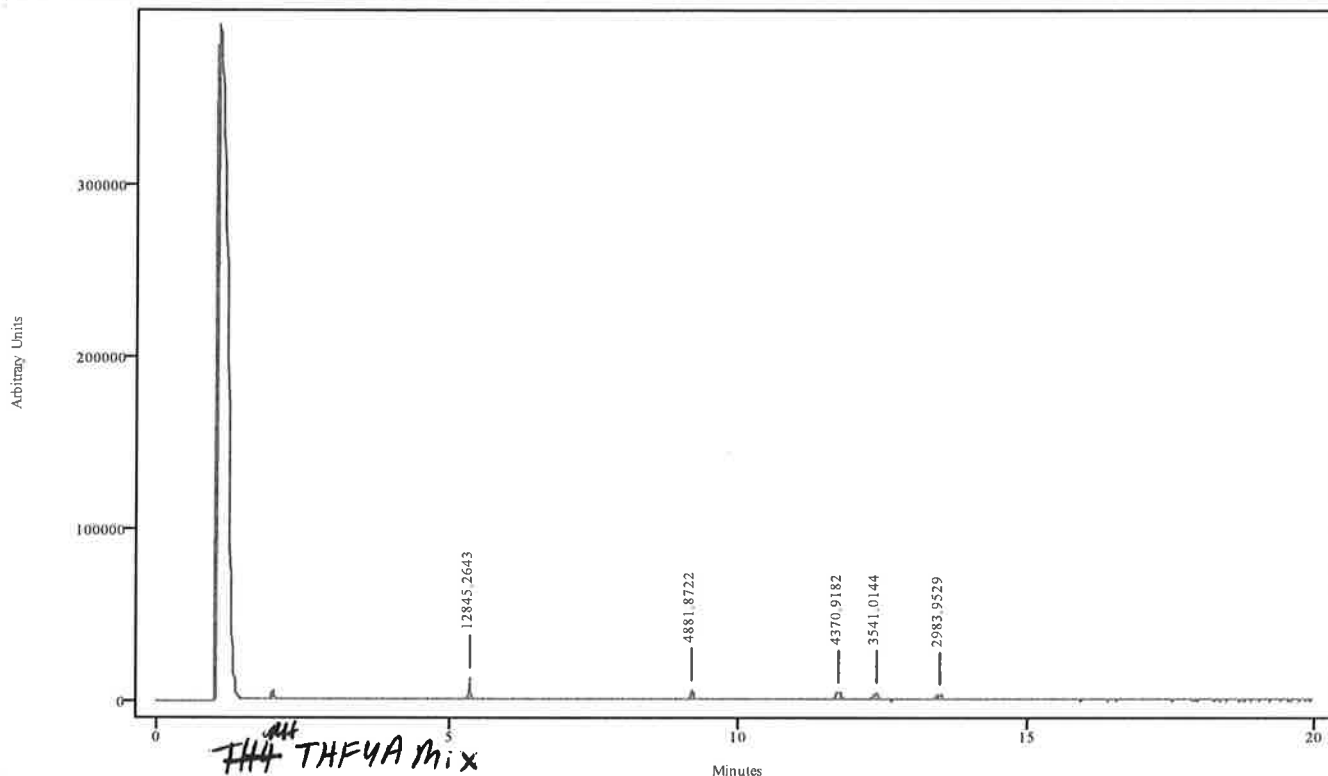
Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	150.0441	33.6316	0.0297	28.3105	1100.9413	38.8881	13.1300	13.3500

$$\begin{aligned}
 \text{Signal} &= 2641 & \text{Noise} &= 150 \\
 \text{S/N} &= \frac{2641}{150} & & \\
 &= 17.61 & &
 \end{aligned}$$

MA

Peak Measurement Results

Sample Filename	irdata.cgm
File Title	8-2 SAMPLE 2ND 2020_February_14_165753\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (2ND INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 13:37:15 2020



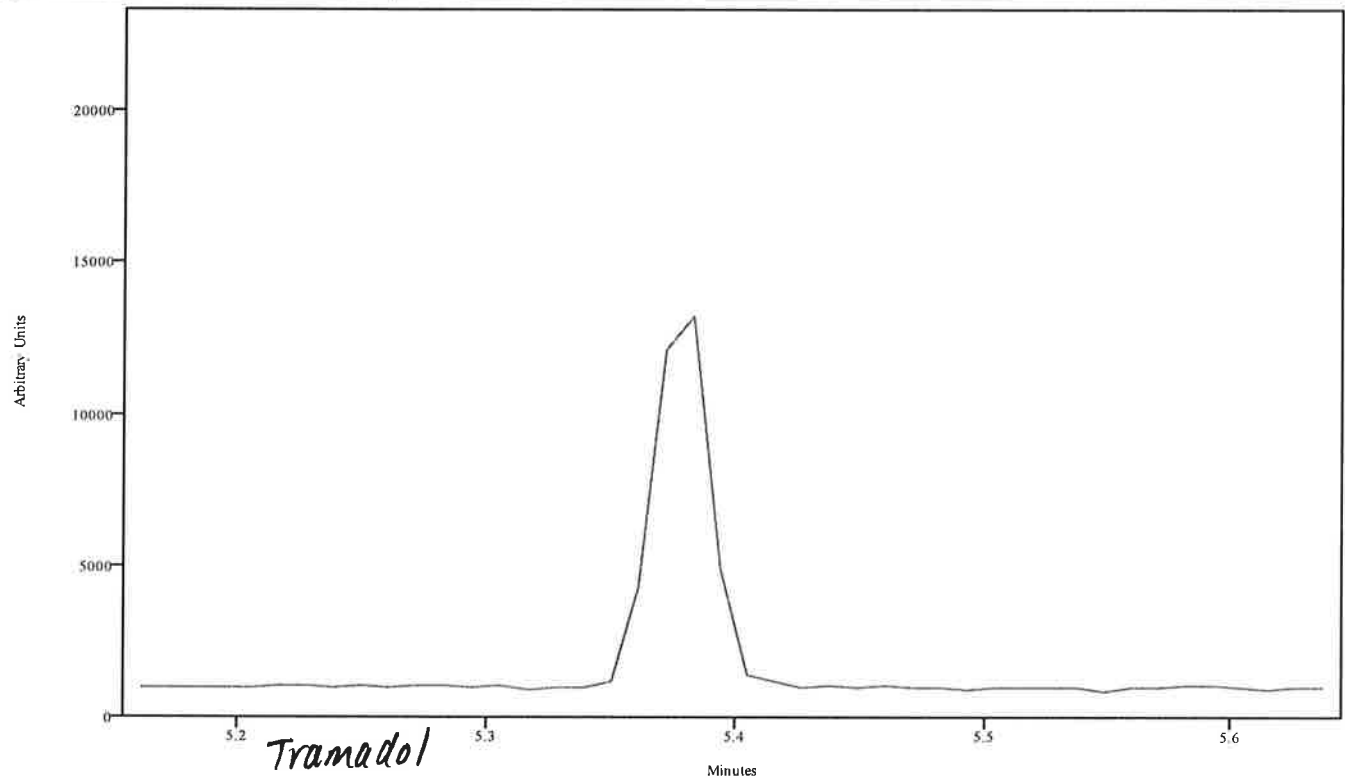
irdata.cgm: 8-2 SAMPLE 2ND 2020_February_14_165753\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (2ND INJECT.); User: Rebecca Hernandez

Filename	Left	Center	Right	Height	FWHM
irdata.cgm	13.6260	13.5080	13.3640	2983.9529	0.0937
irdata.cgm	12.5120	12.4260	12.3020	3541.0144	0.0890
irdata.cgm	11.8600	11.7640	11.6380	4370.9182	0.0914
irdata.cgm	9.2950	9.2230	9.1220	4881.8722	0.0601
irdata.cgm	5.4060	5.3790	5.3490	12845.2643	0.0268

MA

Signal-to-Noise Results

Sample Filename	irdata.cgm
File Title	8-2 SAMPLE 2ND 2020_February_14_165753\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (2ND INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 13:40:42 2020



irdata.cgm: 8-2 SAMPLE 2ND 2020_February_14_165753\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (2ND INJECT.); User: Rebecca Hernandez

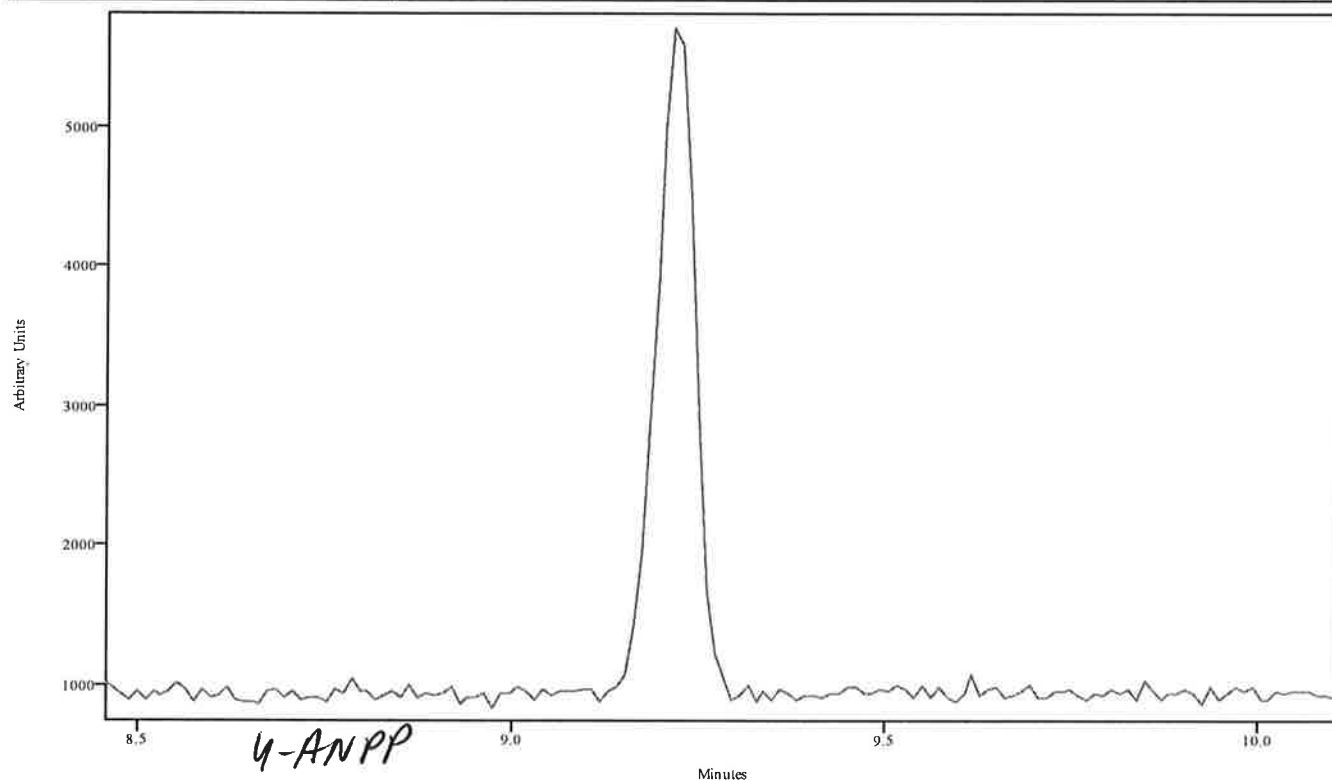
Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	81.2548	31.4665	0.0318	30.0810	1037.9930	34.5066	5.2400	5.3000

$$\begin{aligned}
 \text{Signal}_{(S)} &= 12845 & \text{Noise}_{(N)} &= 81 \\
 S/N &= 159
 \end{aligned}$$

Signal-to-Noise Results

MA

Sample Filename	irdata.cgm
File Title	8-2 SAMPLE 2ND 2020_February_14_165753\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (2ND INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 13:42:29 2020



irdata.cgm: 8-2 SAMPLE 2ND 2020_February_14_165753\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (2ND INJECT.); User: Rebecca Hernandez

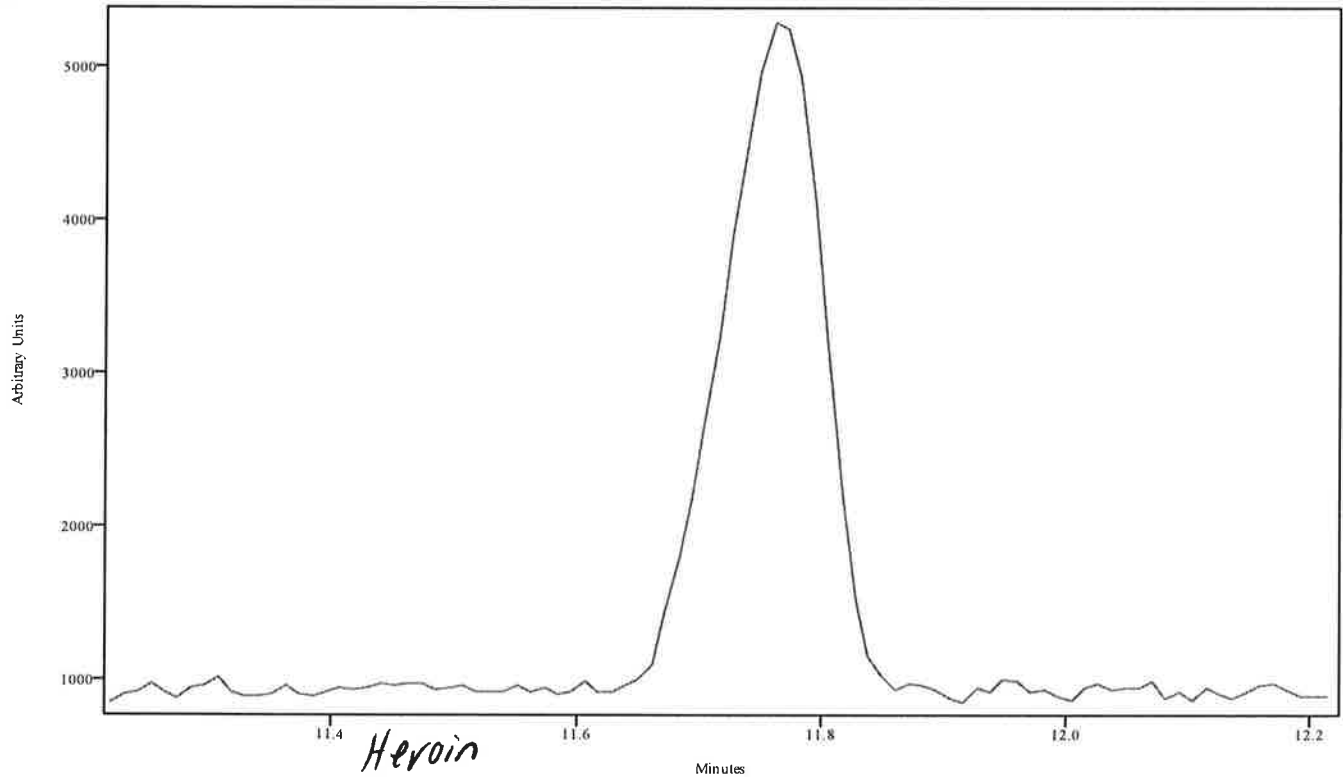
Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	137.9977	30.2387	0.0331	25.6726	935.7994	36.4512	8.9400	9.1100

$$\begin{aligned} \text{Signal}_{(s)} &= 4882 & \text{Noise}_{(N)} &= 138 \\ \text{S/N} &= 35 \end{aligned}$$

Signal-to-Noise Results

JK

Sample Filename	irdata.cgm
File Title	8-2 SAMPLE 2ND 2020_February_14_165753\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (2ND INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 13:45:03 2020



irdata.cgm: 8-2 SAMPLE 2ND 2020_February_14_165753\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (2ND INJECT.); User: Rebecca Hernandez

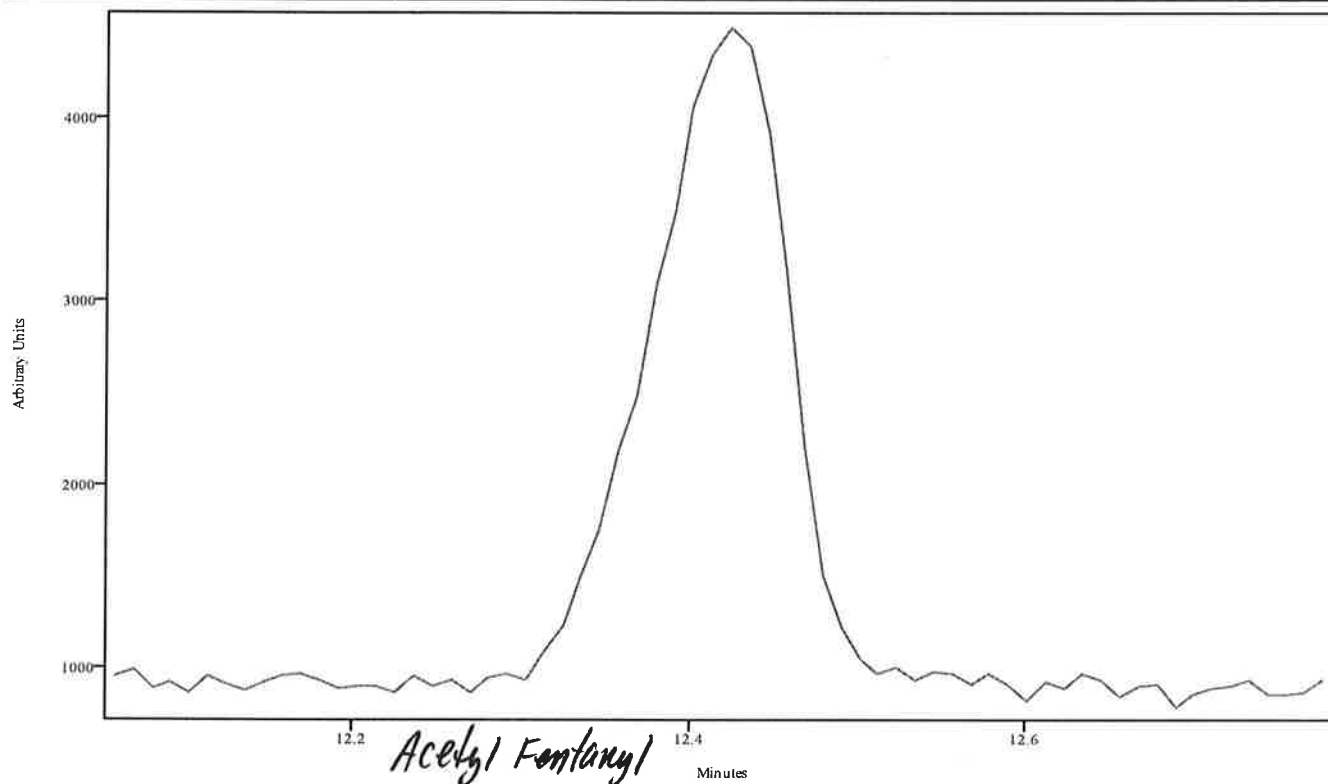
Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	86.9711	25.1875	0.0397	36.4194	939.9934	25.8103	11.3900	11.6100

$$\begin{array}{lcl} \text{Signal} = 4371 & & \text{Noise} = 87 \\ (15) & & (N) \\ & S/N & = 50 \end{array}$$

Signal-to-Noise Results

mk

Sample Filename	irdata.cgm
File Title	8-2 SAMPLE 2ND 2020_February_14_165753\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (2ND INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 13:46:44 2020



irdata.cgm: 8-2 SAMPLE 2ND 2020_February_14_165753\irdata.cgm : Misc. Info: MEOH:HEDWIG;
Sample: 8-2 SAMPLE (2ND INJECT.); User: Rebecca Hernandez

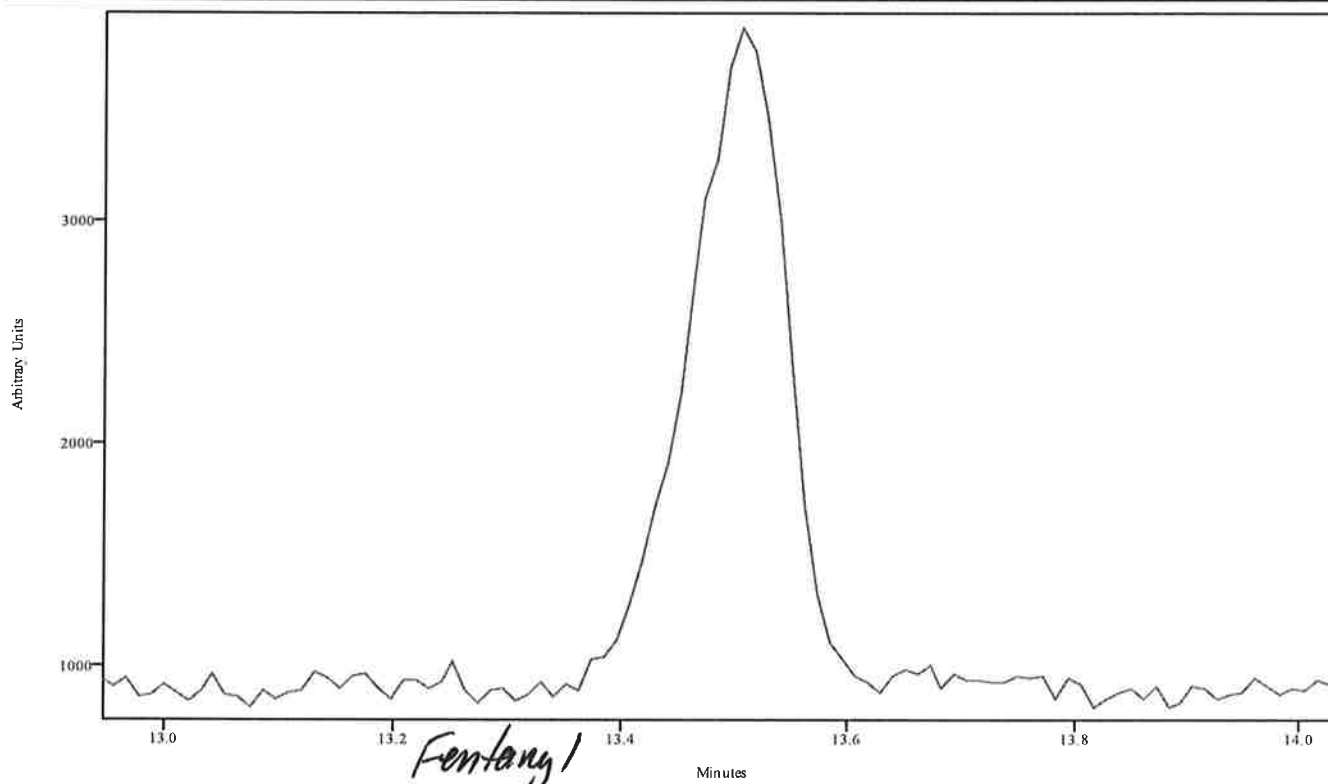
Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	115.2693	33.7126	0.0297	26.0748	915.9360	35.1272	12.0800	12.2900

$$\begin{aligned}
 \text{Signal} &= 3541 \\
 &\quad (S) \\
 \text{Noise} &= 115 \\
 &\quad (N) \\
 S/N &= 31
 \end{aligned}$$

Signal-to-Noise Results

MAH

Sample Filename	irdata.cgm
File Title	8-2 SAMPLE 2ND 2020_February_14_165753\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (2ND INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 13:48:23 2020



irdata.cgm: 8-2 SAMPLE 2ND 2020_February_14_165753\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (2ND INJECT.); User: Rebecca Hernandez

Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	211.3865	47.1397	0.0212	18.7098	900.4279	48.1261	13.0800	13.3400

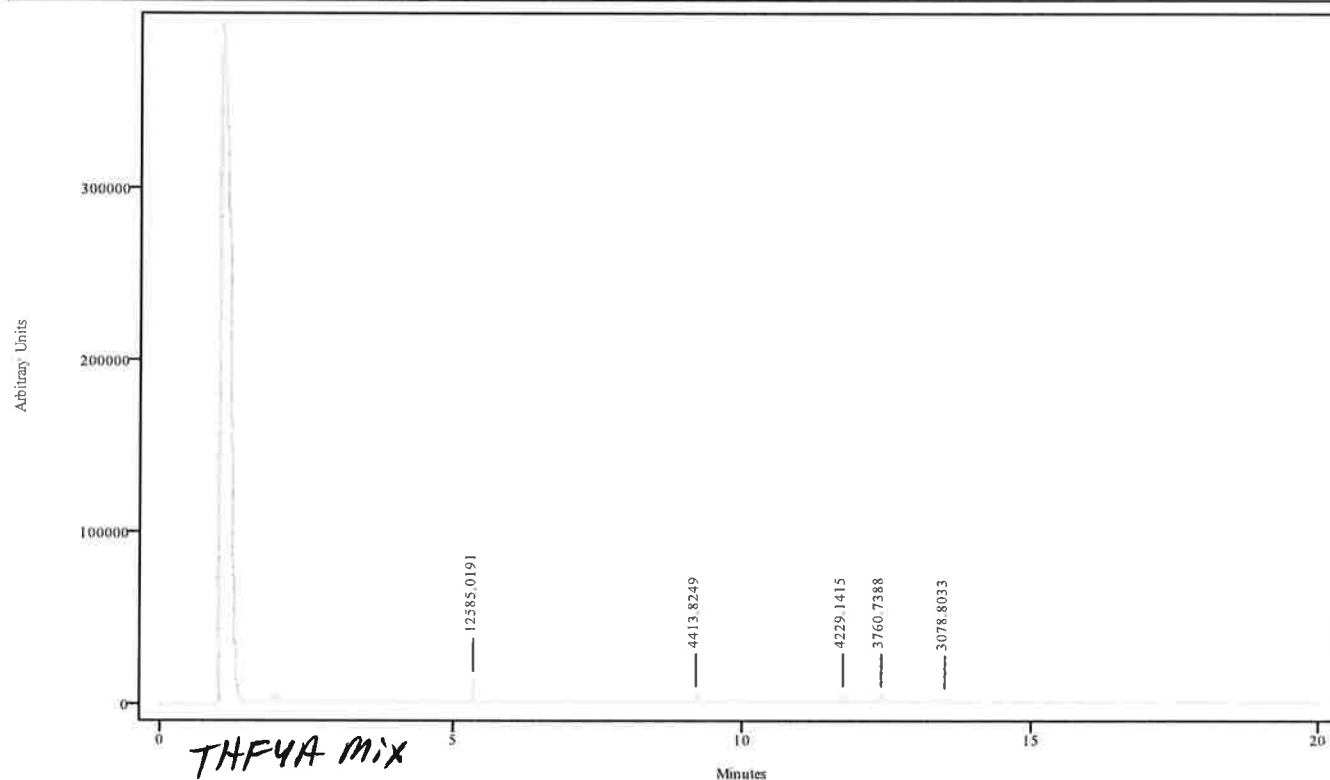
Signal = 2984 Noise = 211

S/N = 14

MA

Peak Measurement Results

Sample Filename	irdata.cgm
File Title	8-2 SAMPLE 3RD 2020_February_14_192117\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (3RD INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 14:13:28 2020



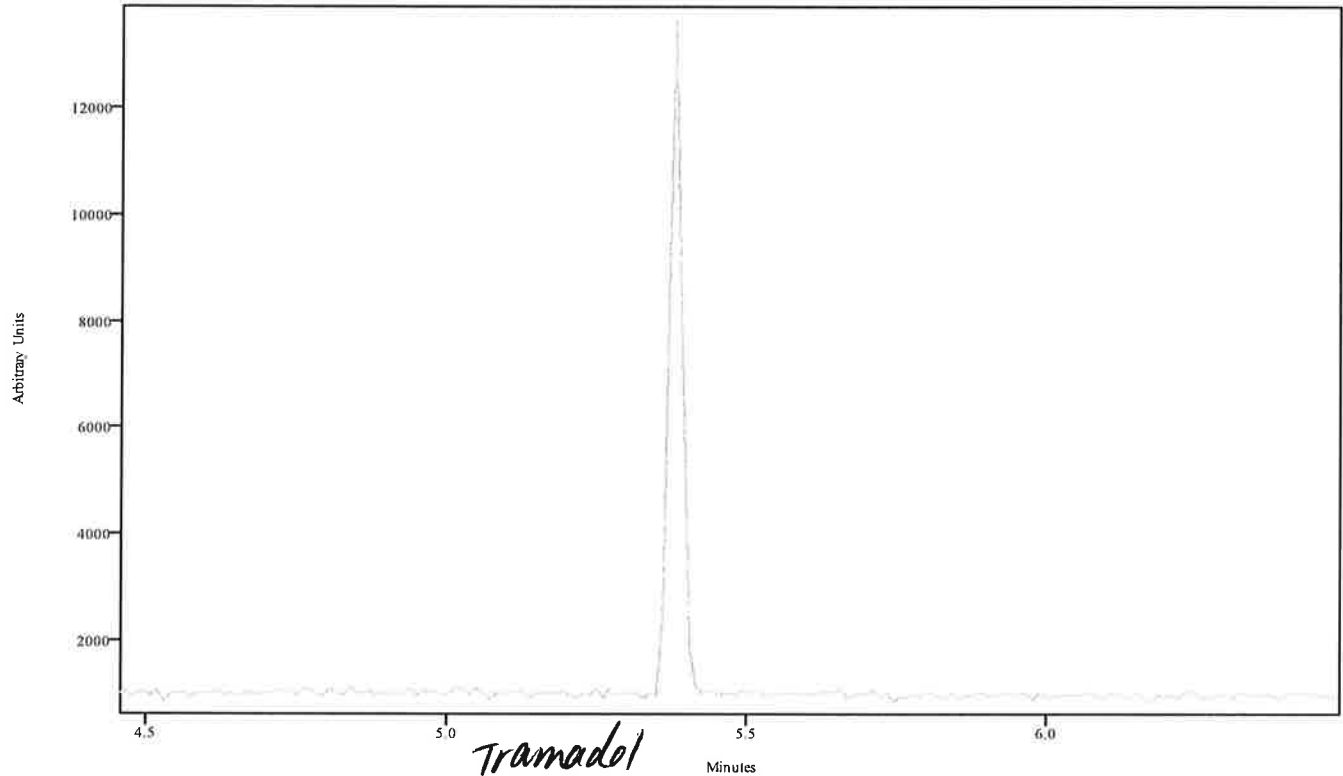
irdata.cgm: 8-2 SAMPLE 3RD 2020_February_14_192117\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (3RD INJECT.); User: Rebecca Hernandez

Filename	Left	Center	Right	Height	FWHM
irdata.cgm	13.6040	13.5090	13.3660	3078.8033	0.0966
irdata.cgm	12.5090	12.4300	12.2990	3760.7388	0.0885
irdata.cgm	11.8470	11.7670	11.6460	4229.1415	0.0893
irdata.cgm	9.2890	9.2240	9.1410	4413.8249	0.0570
irdata.cgm	5.4140	5.3810	5.3470	12585.0191	0.0243

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Signal-to-Noise Results

Sample Filename	irdata.cgm
File Title	8-2 SAMPLE 3RD 2020_February_14_192117\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (3RD INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 14:14:49 2020



irdata.cgm: 8-2 SAMPLE 3RD 2020_February_14_192117\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (3RD INJECT.); User: Rebecca Hernandez

Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	156.8540	48.7519	0.0205	18.6031	1007.2779	54.1456	5.2500	5.3200

$$\text{Signal}_{(s)} = 12585$$

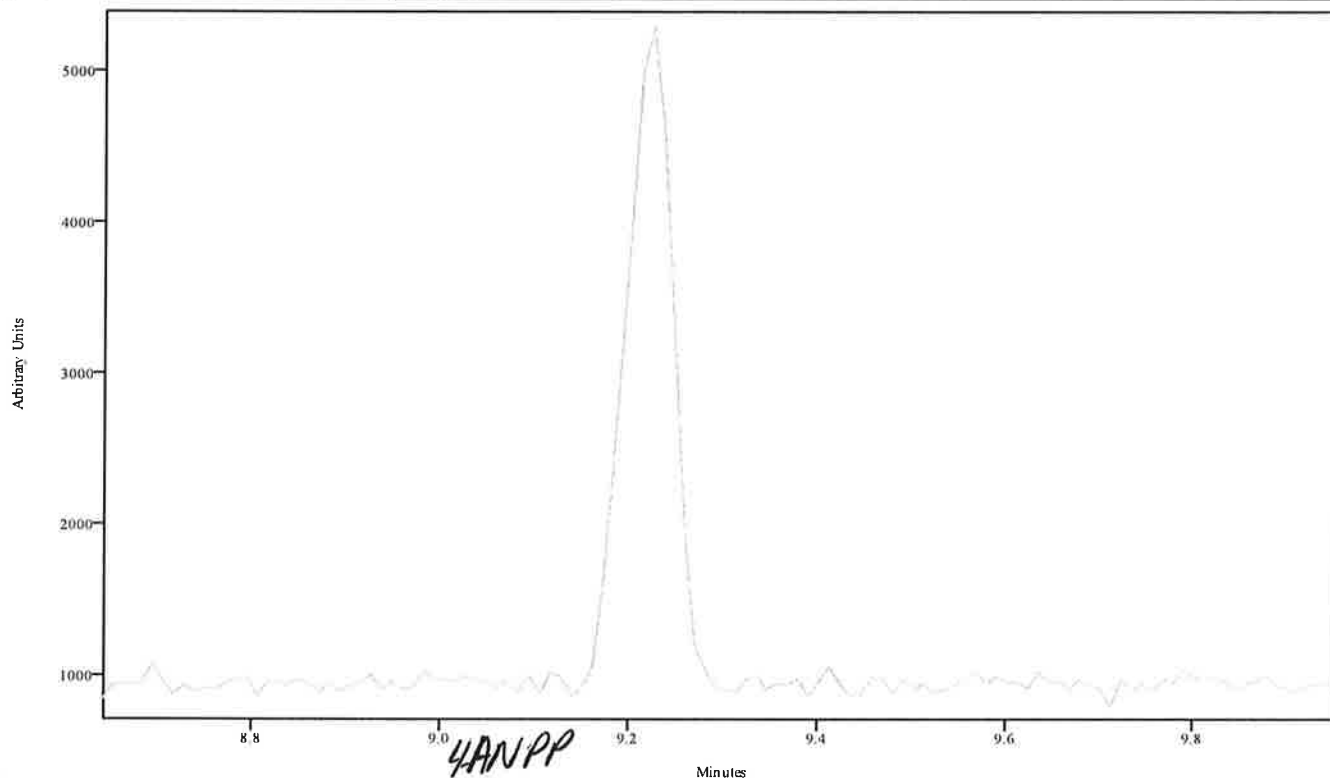
$$\text{Noise}_{(N)} = 157$$

$$S/N = 80$$

MT

Signal-to-Noise Results

Sample Filename	irdata.cgm
File Title	8-2 SAMPLE 3RD 2020_February_14_192117\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (3RD INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 14:17:11 2020



irdata.cgm 8-2 SAMPLE 3RD 2020_February_14_192117\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (3RD INJECT.); User: Rebecca Hernandez

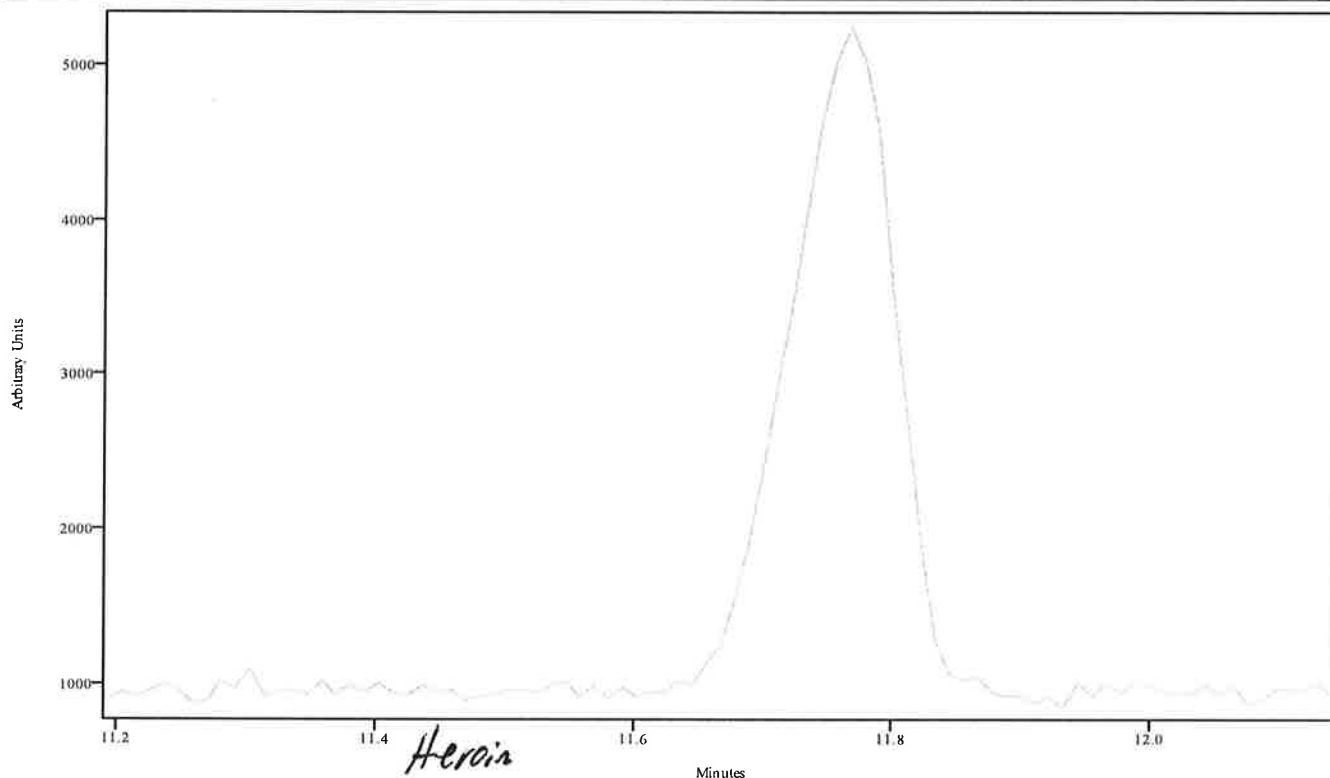
Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	120.0556	38.8433	0.0257	22.8694	953.4457	41.6909	8.9600	9.1100

$$\begin{aligned} \text{Signal}_{(S)} &= 4414 & \text{Noise}_{(N)} &= 120 \\ S/N &= 37 \end{aligned}$$

SPK

Signal-to-Noise Results

Sample Filename	irdata.cgm
File Title	8-2 SAMPLE 3RD 2020_February_14_192117\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (3RD INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 14:20:00 2020



irdata.cgm: 8-2 SAMPLE 3RD 2020_February_14_192117\irdata.cgm : Misc. Info: MEOH:HEDWIG
Sample: 8-2 SAMPLE (3RD INJECT.); User: Rebecca Hernandez

Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	112.5603	29.8975	0.0334	30.4758	942.1498	30.9147	11.4100	11.6100

$$\text{Signal} = 4229_{(s)}$$

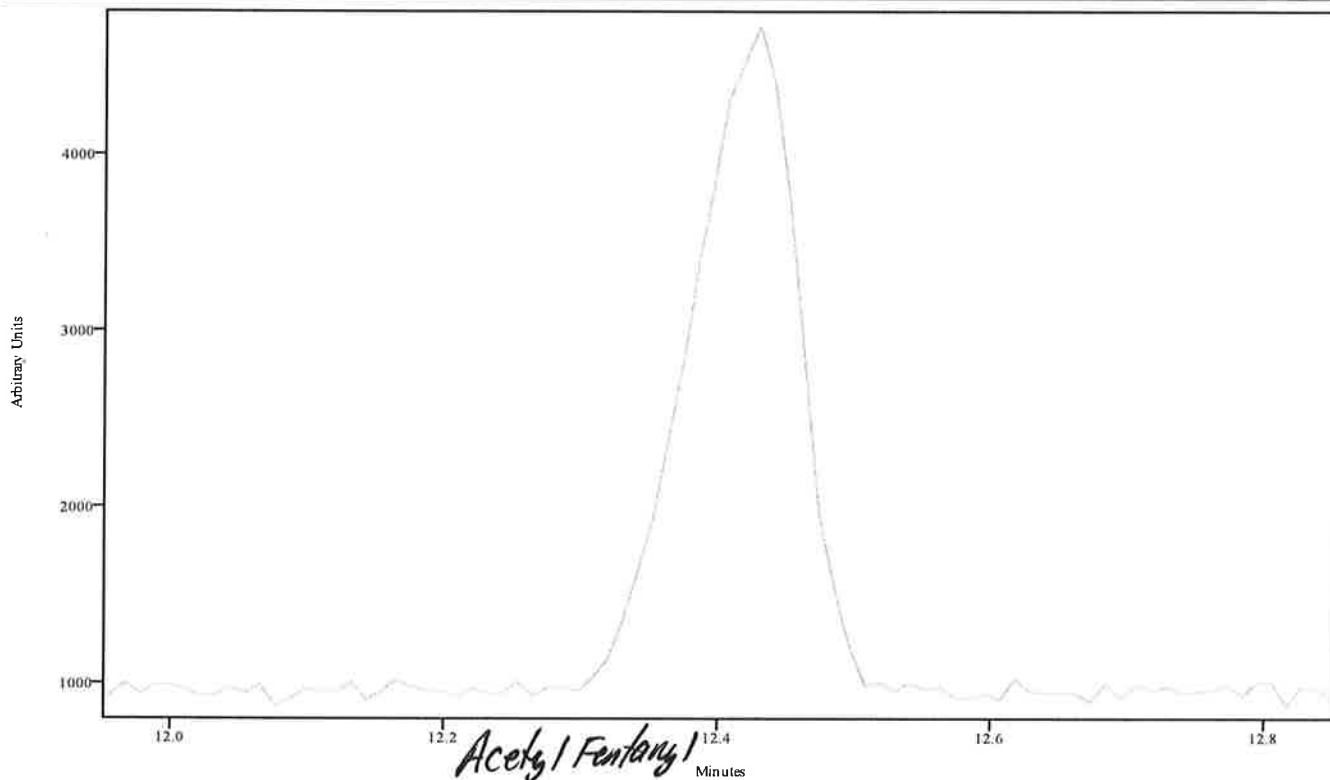
$$\text{Noise} = 113_{(n)}$$

$$S/N = 37$$

Handwritten signature

Signal-to-Noise Results

Sample Filename	irdata.cgm
File Title	8-2 SAMPLE 3RD 2020_February_14_192117\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (3RD INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 14:21:59 2020



irdata.cgm: 8-2 SAMPLE 3RD 2020_February_14_192117\irdata.cgm. Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (3RD INJECT.); User: Rebecca Hernandez

Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	133.2192	33.1322	0.0302	27.2489	947.3318	34.7659	12.0600	12.2700

$$\text{Signal} = 3761 \text{ (s)}$$

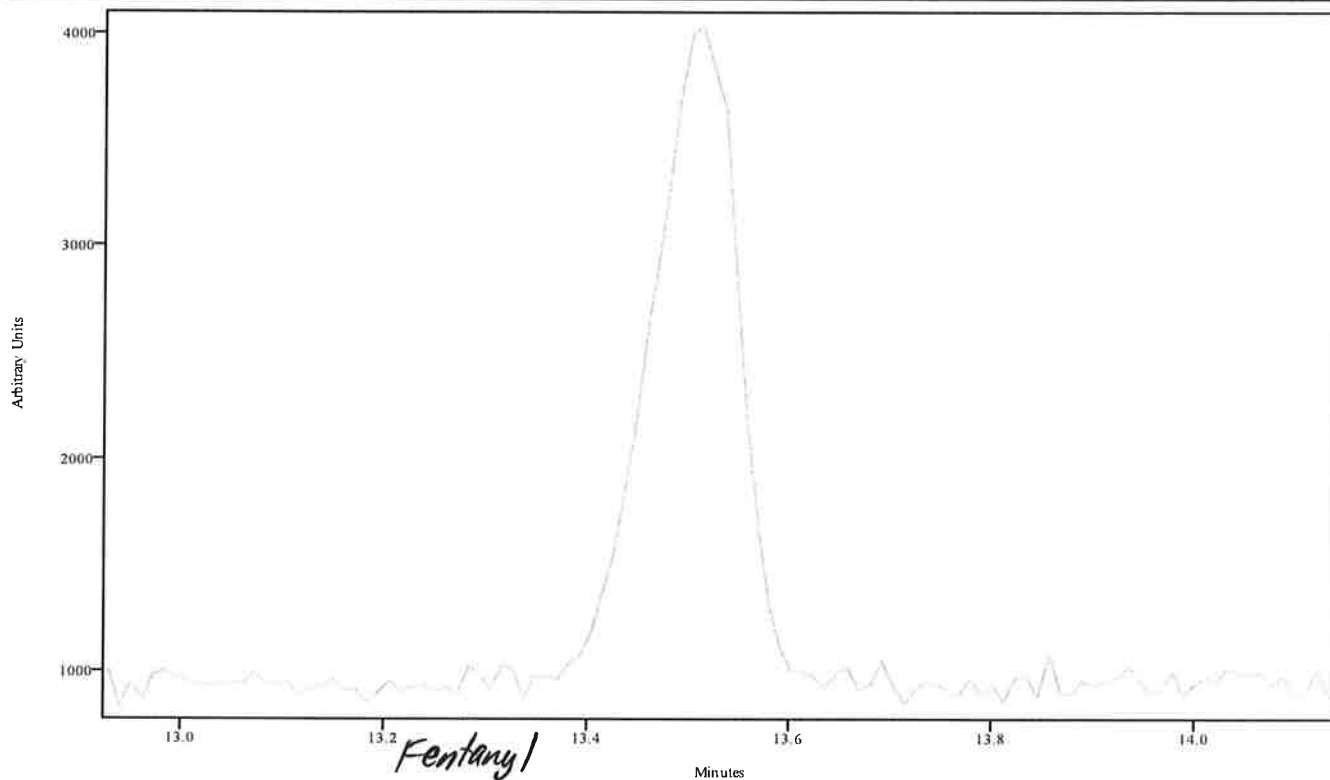
$$\text{Noise} = 133 \text{ (N)}$$

$$S/N = 28$$

ML

Signal-to-Noise Results

Sample Filename	irdata.cgm
File Title	8-2 SAMPLE 3RD 2020_February_14_192117\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (3RD INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 14:23:48 2020



irdata.cgm: 8-2 SAMPLE 3RD 2020_February_14_192117\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-2 SAMPLE (3RD INJECT.); User: Rebecca Hernandez

Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	139.2039	38.4608	0.0260	21.2055	924.0060	43.5739	13.0900	13.3300

$$\text{Signal}_{(s)} = 3079$$

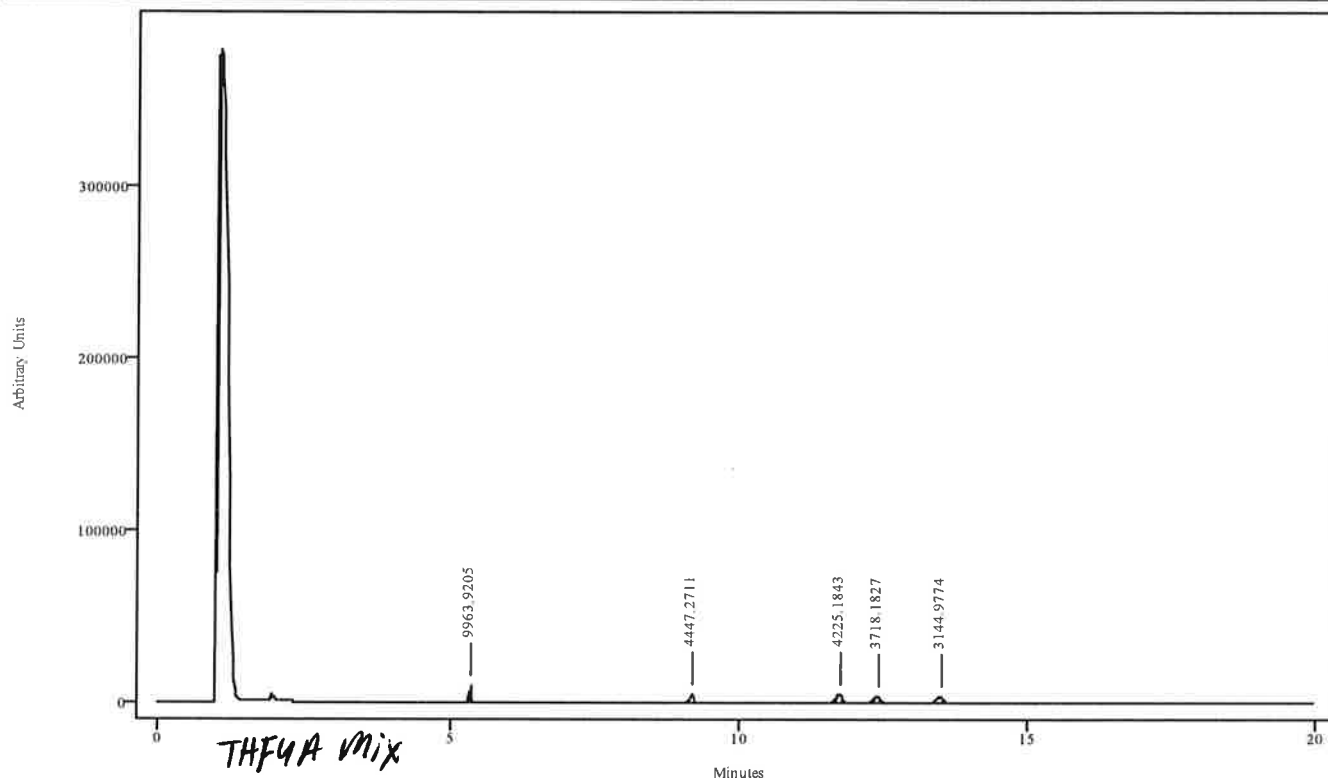
$$\text{Noise}_{(N)} = 139$$

$$S/N = 22$$

MA

Peak Measurement Results

Sample Filename	irdata.cgm
File Title	8-4 SAMPLE 1ST 2020_February_14_154610\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (1ST INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 13:18:07 2020



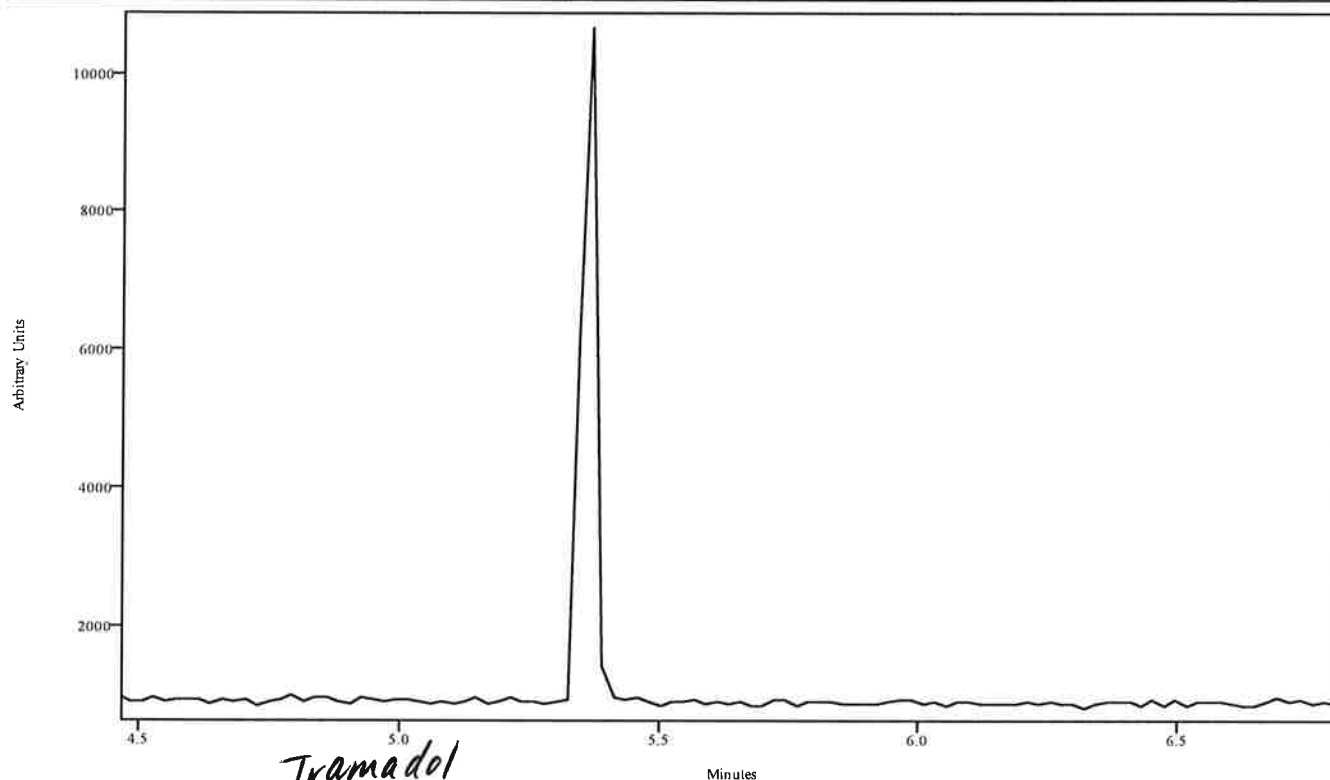
irdata.cgm: 8-4 SAMPLE 1ST 2020_February_14_154610\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (1ST INJECT.); User: Rebecca Hernandez

Filename	Left	Center	Right	Height	FWHM
irdata.cgm	13.6110	13.5020	13.3510	3144.9774	0.0980
irdata.cgm	12.5100	12.4130	12.2890	3718.1827	0.0922
irdata.cgm	11.8470	11.7540	11.6260	4225.1843	0.0900
irdata.cgm	9.2610	9.2070	9.1300	4447.2711	0.0613
irdata.cgm	5.4160	5.3680	5.3240	9963.9205	0.0349

Signal-to-Noise Results

Handwritten signature

Sample Filename	irdata.cgm
File Title	8-4 SAMPLE 1ST 2020_February_14_154610\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (1ST INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 13:21:51 2020



irdata.cgm: 8-4 SAMPLE 1ST 2020_February_14_154610\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (1ST INJECT.); User: Rebecca Hernandez

Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	70.1820	24.9183	0.0401	26.1150	907.3595	34.7448	5.2200	5.3100

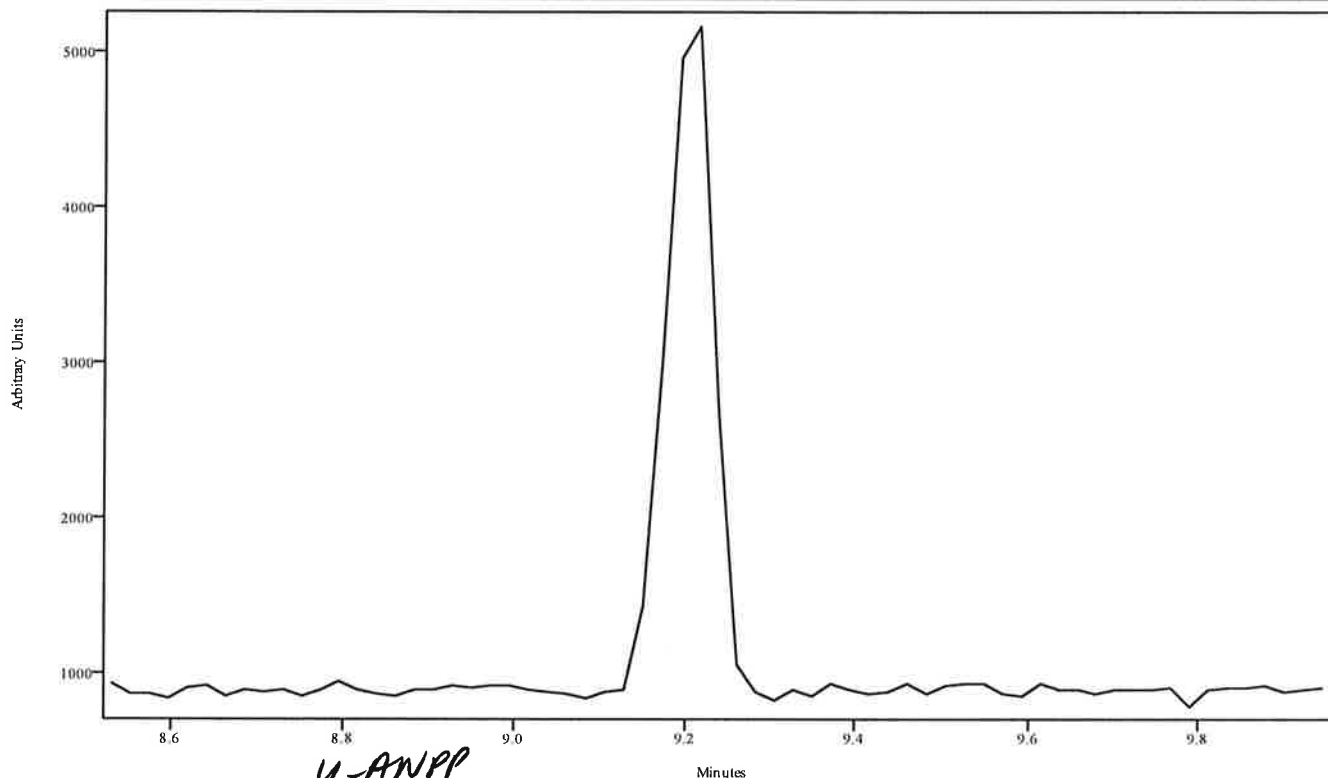
$$\text{Signal} = 9964 \quad \text{Noise} = 70$$

$$S/N = 142$$

Signal-to-Noise Results

CH

Sample Filename	irdata.cgm
File Title	8-4 SAMPLE 1ST 2020_February_14_154610\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (1ST INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 13:22:55 2020



irdata.cgm: 8-4 SAMPLE 1ST 2020_February_14_154610\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (1ST INJECT.); User: Rebecca Hernandez

Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	52.0594	15.2193	0.0657	32.1326	891.2892	27.7379	8.9800	9.1100

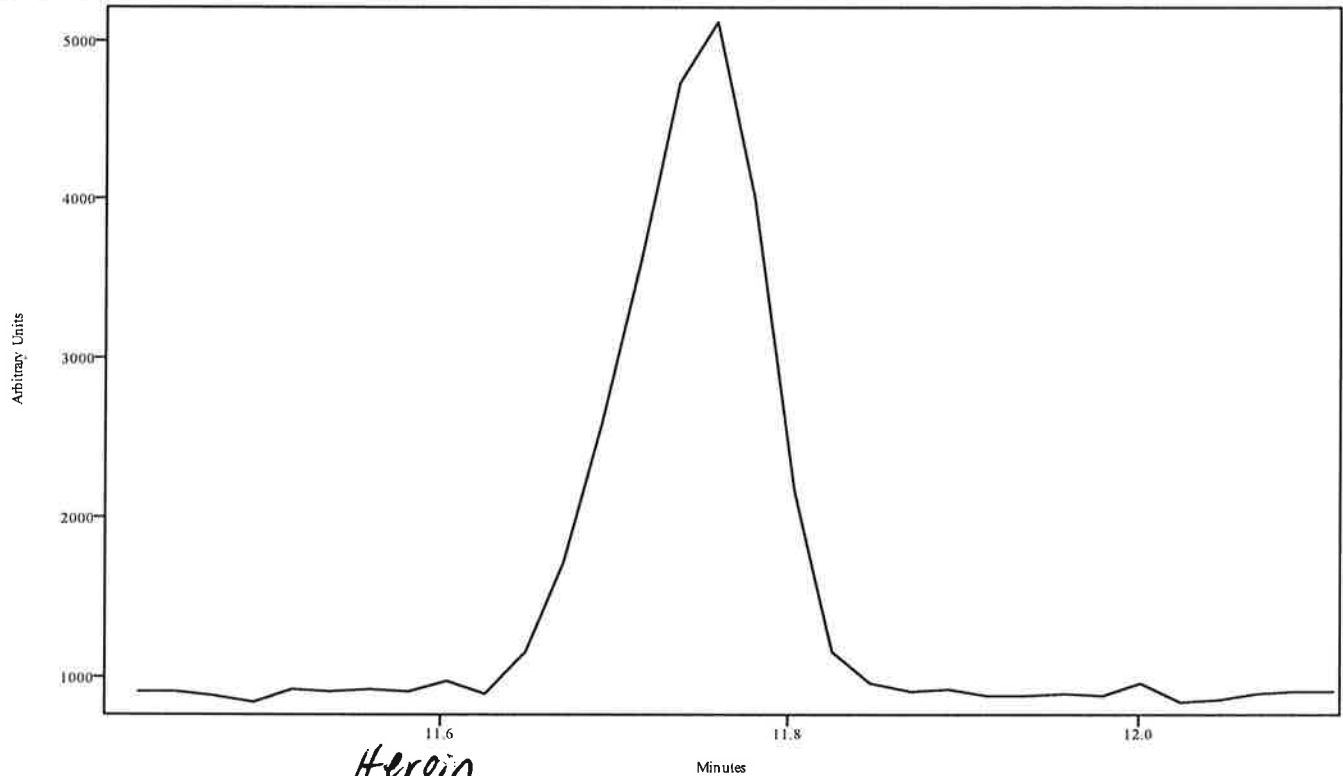
$$\text{Signal} = 4447 \quad \text{Noise} = 52$$

$$S/N = 86$$

MA

Signal-to-Noise Results

Sample Filename	irdata.cgm
File Title	8-4 SAMPLE 1ST 2020_February_14_154610\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (1ST INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 13:24:04 2020



irdata.cgm: 8-4 SAMPLE 1ST 2020_February_14_154610\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (1ST INJECT.); User: Rebecca Hernandez

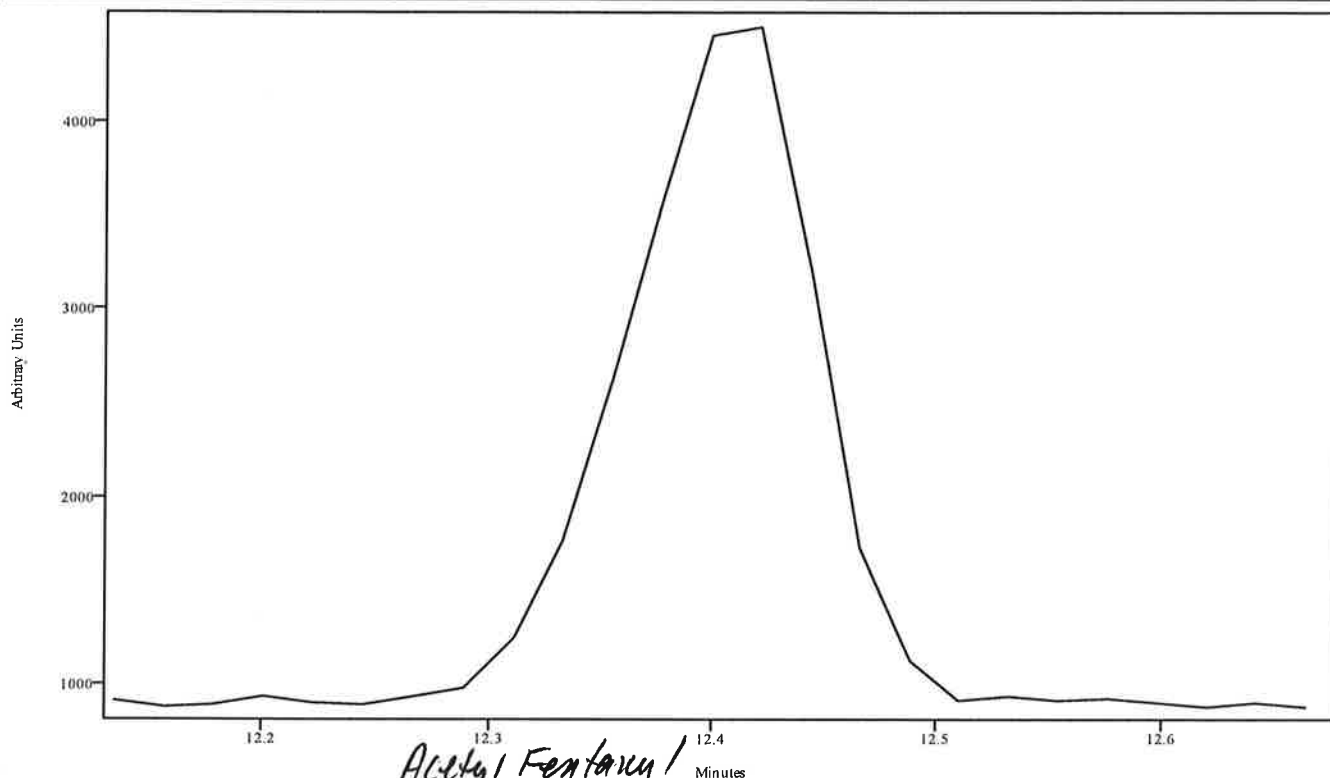
Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	83.6795	24.1108	0.0415	23.4926	893.5159	38.0339	11.3800	11.6000

$$\begin{aligned} \text{Signal} &= 4225 & \text{Noise} &= 84 \\ \text{S/N} &= 50 \end{aligned}$$

MT

Signal-to-Noise Results

Sample Filename	irdata.cgm
File Title	8-4 SAMPLE 1ST 2020_February_14_154610\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (1ST INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 13:24:42 2020



irdata.cgm: 8-4 SAMPLE 1ST 2020_February_14_154610\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (1ST INJECT.); User: Rebecca Hernandez

Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	55.5322	20.0501	0.0499	35.8701	892.3526	24.8774	12.0300	12.2500

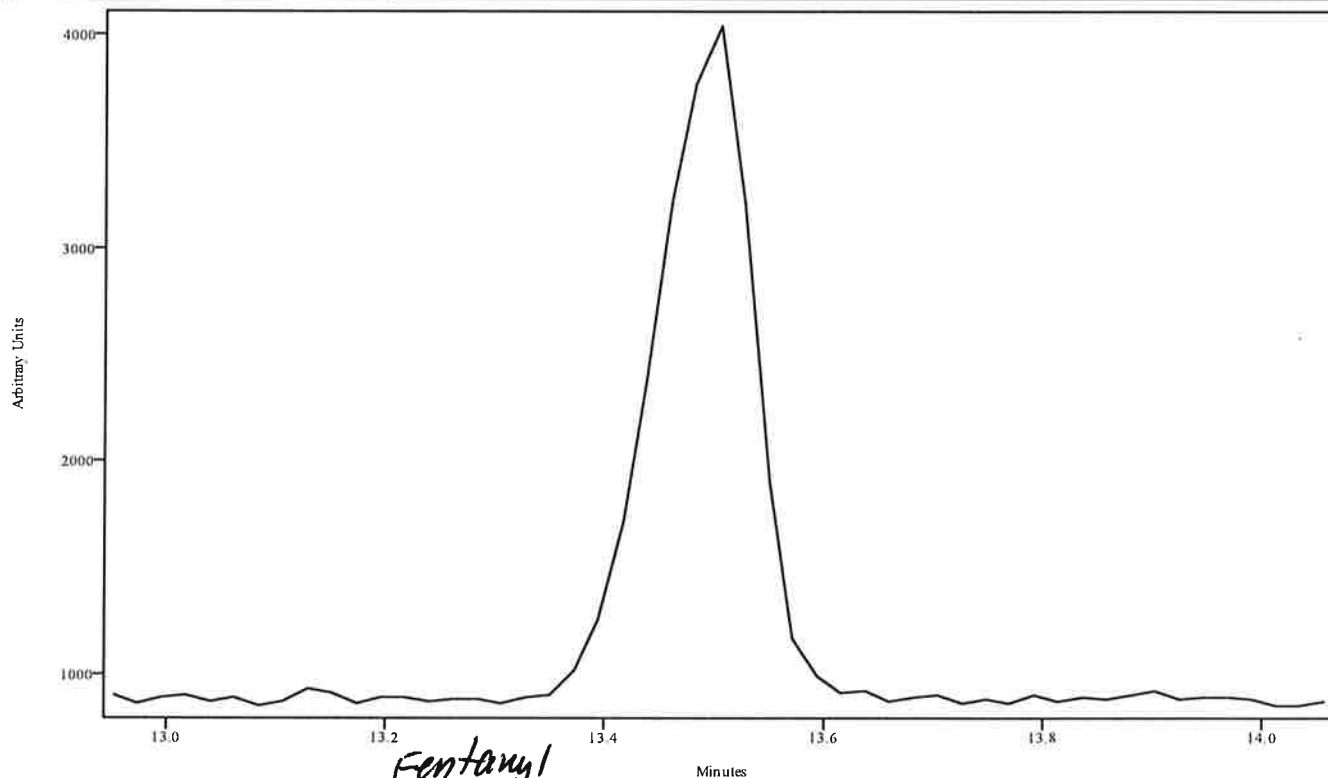
$$\text{Signal to } 1^{\text{st}} = 3718 \quad \text{Noise} = 56$$

$$S/N = 66$$

MF

Signal-to-Noise Results

Sample Filename	irdata.cgm
File Title	8-4 SAMPLE 1ST 2020_February_14_154610\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (1ST INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 13:25:27 2020



irdata.cgm: 8-4 SAMPLE 1ST 2020_February_14_154610\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (1ST INJECT.); User: Rebecca Hernandez

Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	74.5228	19.6463	0.0509	42.8879	883.5821	20.6021	13.0450	13.3000

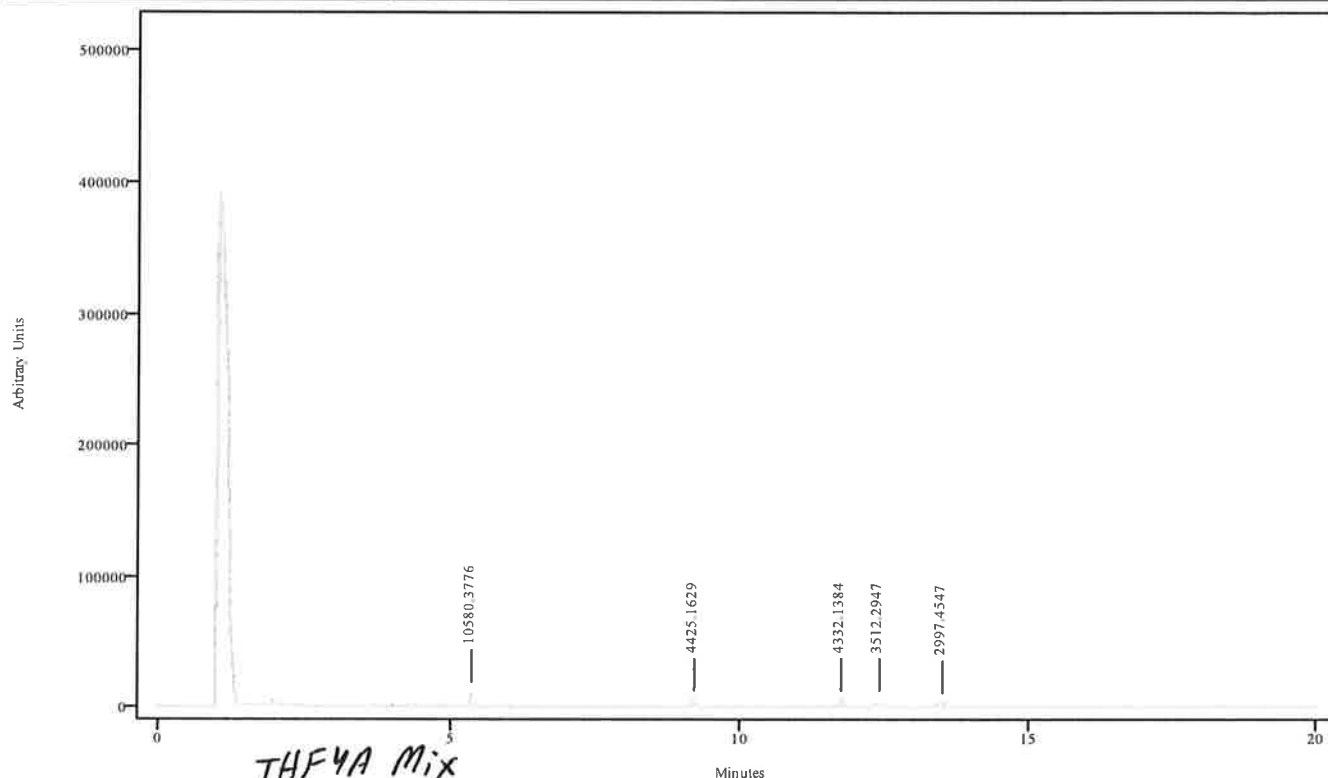
$$\text{Signal} = 3145 \quad \text{Noise} = 75$$

$$S/N = 42$$

44

Peak Measurement Results

Sample Filename	irdata.cgm
File Title	8-4 SAMPLE 2ND 2020_February_14_180936\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (2ND INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 13:56:17 2020



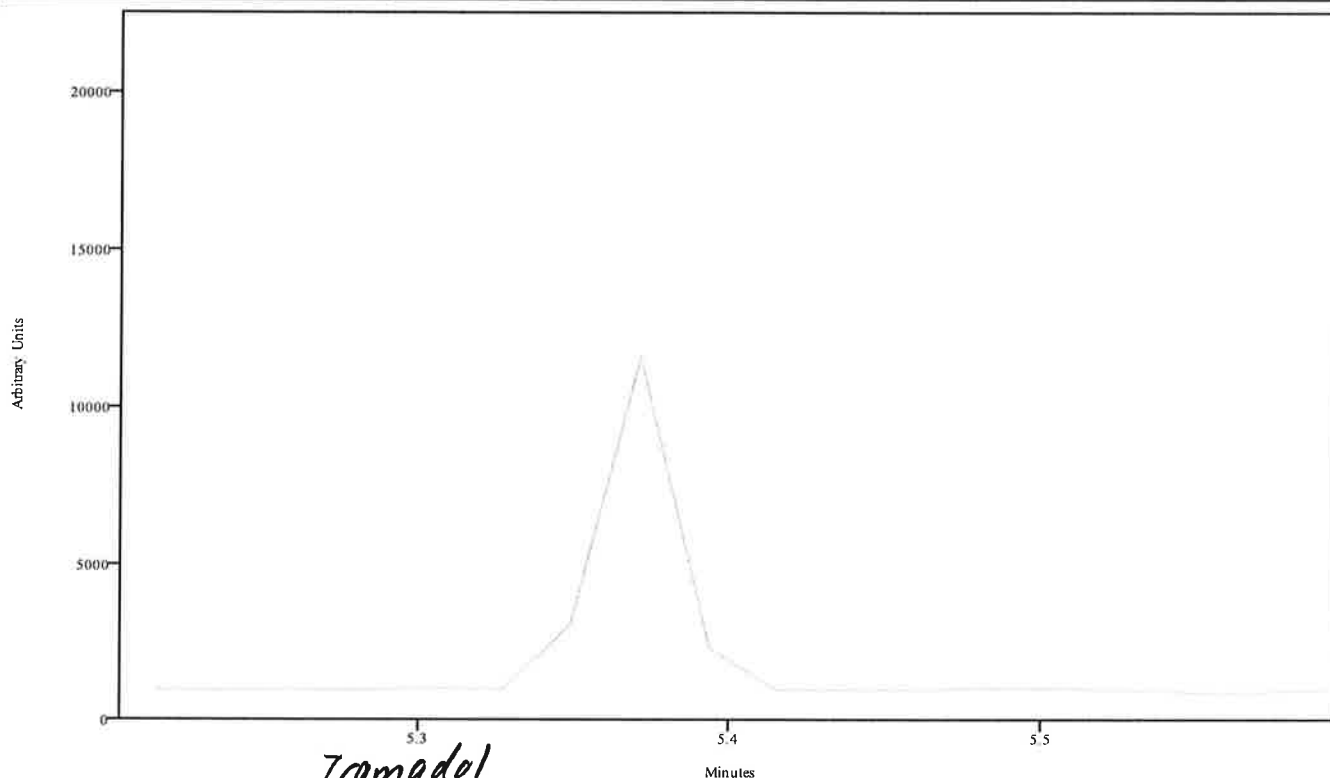
irdata.cgm : 8-4 SAMPLE 2ND 2020_February_14_180936\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (2ND INJECT.); User: Rebecca Hernandez

Filename	Left	Center	Right	Height	FWHM
irdata.cgm	13.6260	13.5040	13.3640	2997.4547	0.0929
irdata.cgm	12.5120	12.4190	12.3020	3512.2946	0.0877
irdata.cgm	11.8600	11.7600	11.6380	4332.1384	0.0898
irdata.cgm	9.2850	9.2130	9.1220	4425.1629	0.0611
irdata.cgm	5.4140	5.3700	5.3260	10580.3776	0.0298

44

Signal-to-Noise Results

Sample Filename	irdata.cgm
File Title	8-4 SAMPLE 2ND 2020_February_14_180936\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (2ND INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 13:57:28 2020



Tramadol

irdata.cgm: 8-4 SAMPLE 2ND 2020_February_14_180936\irdata.cgm : Misc. Info: MEOH:HEDWIG, Sample: 8-4 SAMPLE (2ND INJECT.); User: Rebecca Hernandez

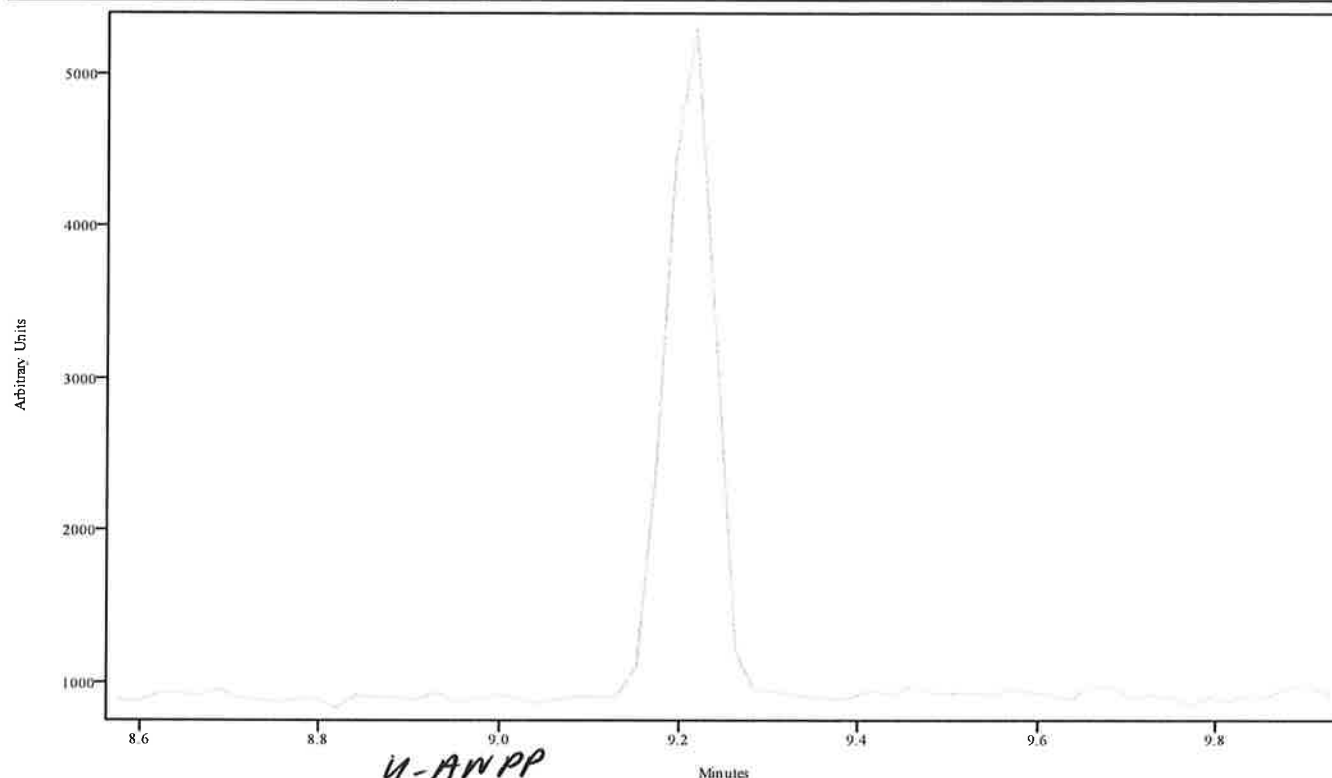
Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	76.7649	26.4285	0.0378	37.2557	1310.1323	35.1659	5.2300	5.3200

$$\begin{aligned} \text{Signal} &= 10580 \text{ (S)} & \text{Noise} &= 77 \text{ (N)} \\ S/N &= 137 \end{aligned}$$

MT

Signal-to-Noise Results

Sample Filename	irdata.cgm
File Title	8-4 SAMPLE 2ND 2020_February_14_180936\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (2ND INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 13:59:25 2020



irdata.cgm: 8-4 SAMPLE 2ND 2020_February_14_180936\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (2ND INJECT.); User: Rebecca Hernandez

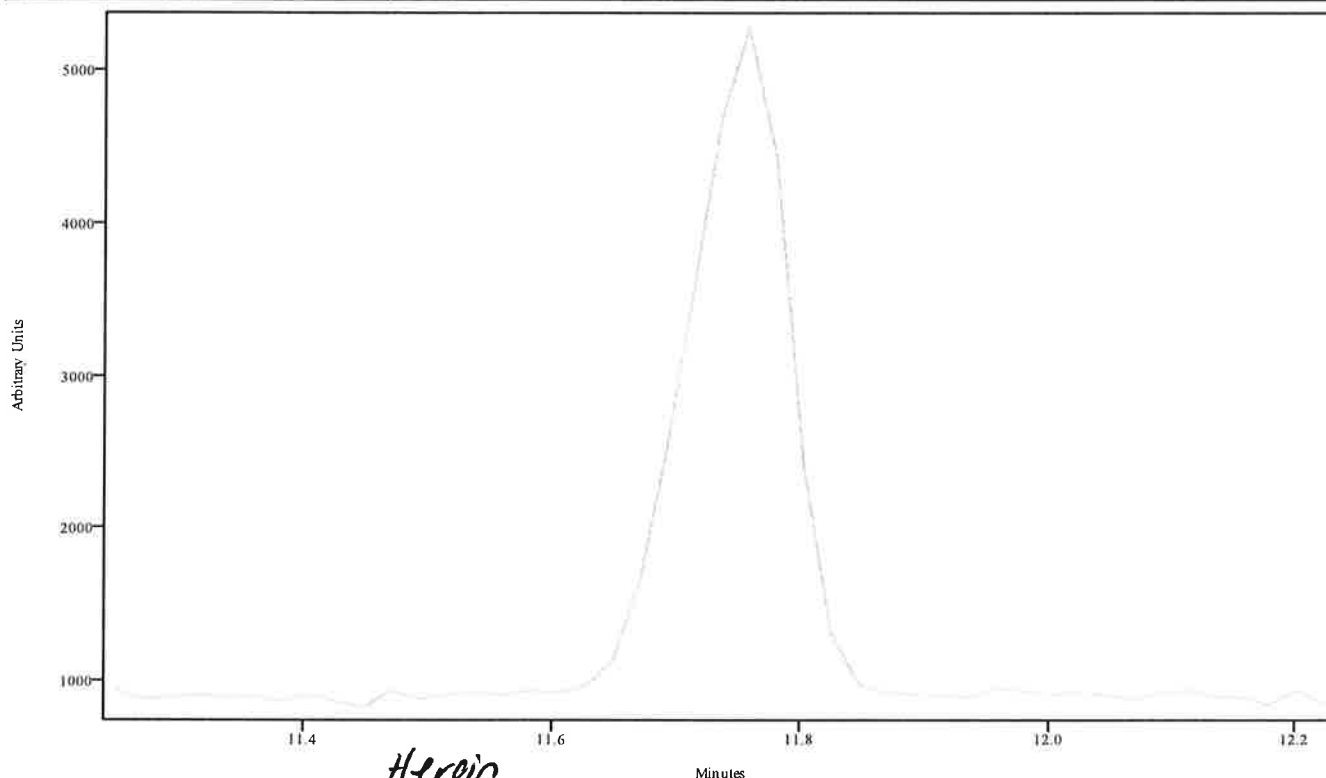
Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	57.8603	15.7880	0.0633	51.8780	889.8821	17.1534	8.9500	9.1100

$$\begin{aligned} \text{Signal} &= 4425 \\ \text{(S)} & \\ \text{Noise} &= 58 \\ \text{(N)} & \\ \text{S/N} &= 76 \end{aligned}$$

Signal-to-Noise Results

MT

Sample Filename	irdata.cgm
File Title	8-4 SAMPLE 2ND 2020_February_14_180936\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (2ND INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 14:01:15 2020



irdata.cgm: 8-4 SAMPLE 2ND 2020_February_14_180936\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (2ND INJECT.); User: Rebecca Hernandez

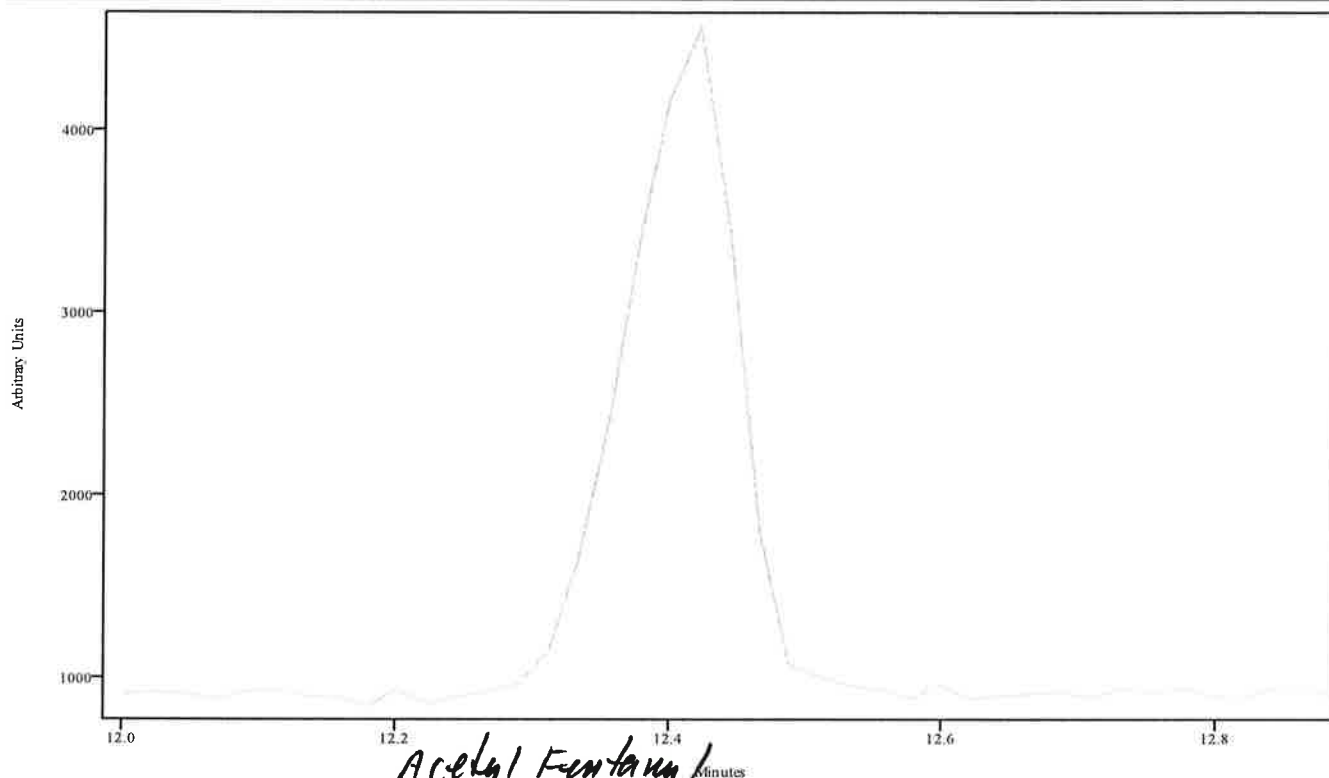
Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	104.2789	25.6486	0.0390	27.7547	902.7125	32.5247	11.3800	11.6000

$$\begin{aligned}
 \text{Signal (s)} &= 4332 & \text{Noise (N)} &= 104 \\
 \text{S/N} &= 42
 \end{aligned}$$

MF

Signal-to-Noise Results

Sample Filename	irdata.cgm
File Title	8-4 SAMPLE 2ND 2020_February_14_180936\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (2ND INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 14:03:47 2020



irdata.cgm; 8-4 SAMPLE 2ND 2020_February_14_180936\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (2ND INJECT.); User: Rebecca Hernandez

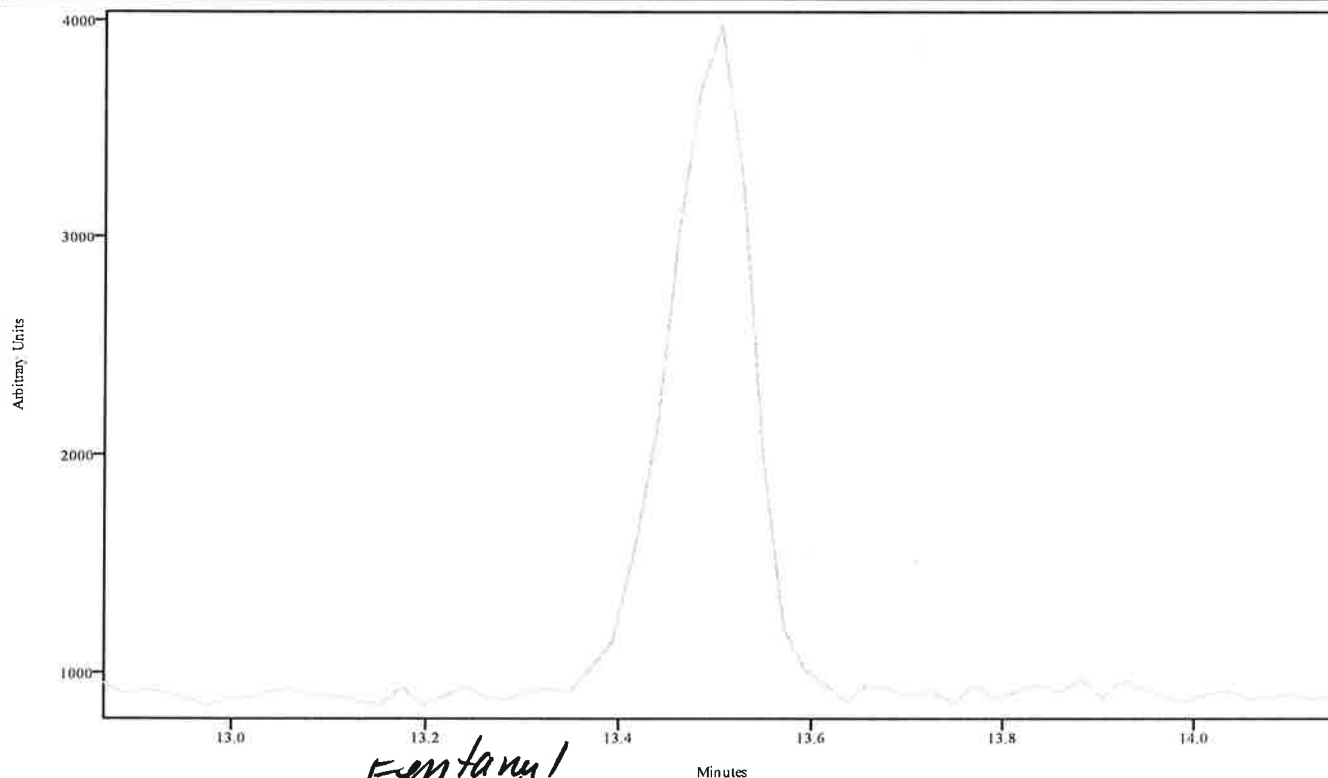
Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	91.3393	28.5959	0.0350	29.8651	904.6843	30.2923	12.0500	12.2600

$$\begin{aligned} \text{Signal} &= 3512 \\ (s) & \\ \text{Noise} &= 91 \\ (n) & \\ S/N &= 39 \end{aligned}$$

CH

Signal-to-Noise Results

Sample Filename	irdata.cgm
File Title	8-4 SAMPLE 2ND 2020_February_14_180936\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (2ND INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 14:05:44 2020



irdata.cgm 8-4 SAMPLE 2ND 2020_February_14_180936\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (2ND INJECT.); User: Rebecca Hernandez

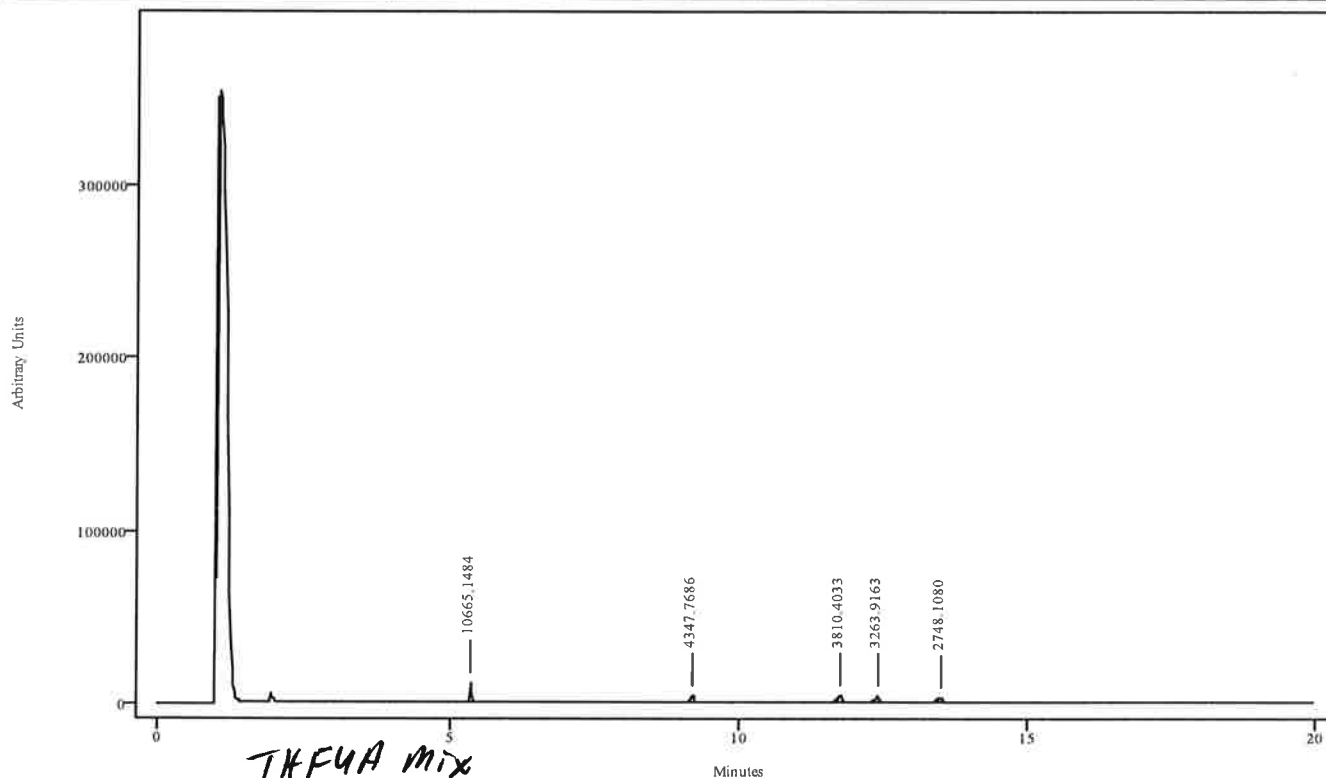
Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	84.7164	27.1827	0.0368	31.0502	891.4610	28.7104	13.0700	13.3300

$$\begin{aligned}
 \text{Signal (s)} &= 2997 & \text{Noise} &= 85 \\
 \text{S/N} &= 35
 \end{aligned}$$

Peak Measurement Results

Handwritten signature

Sample Filename	irdata.cgm
File Title	8-4 SAMPLE 3RD 2020_February_14_203259\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (3RD INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 14:26:45 2020



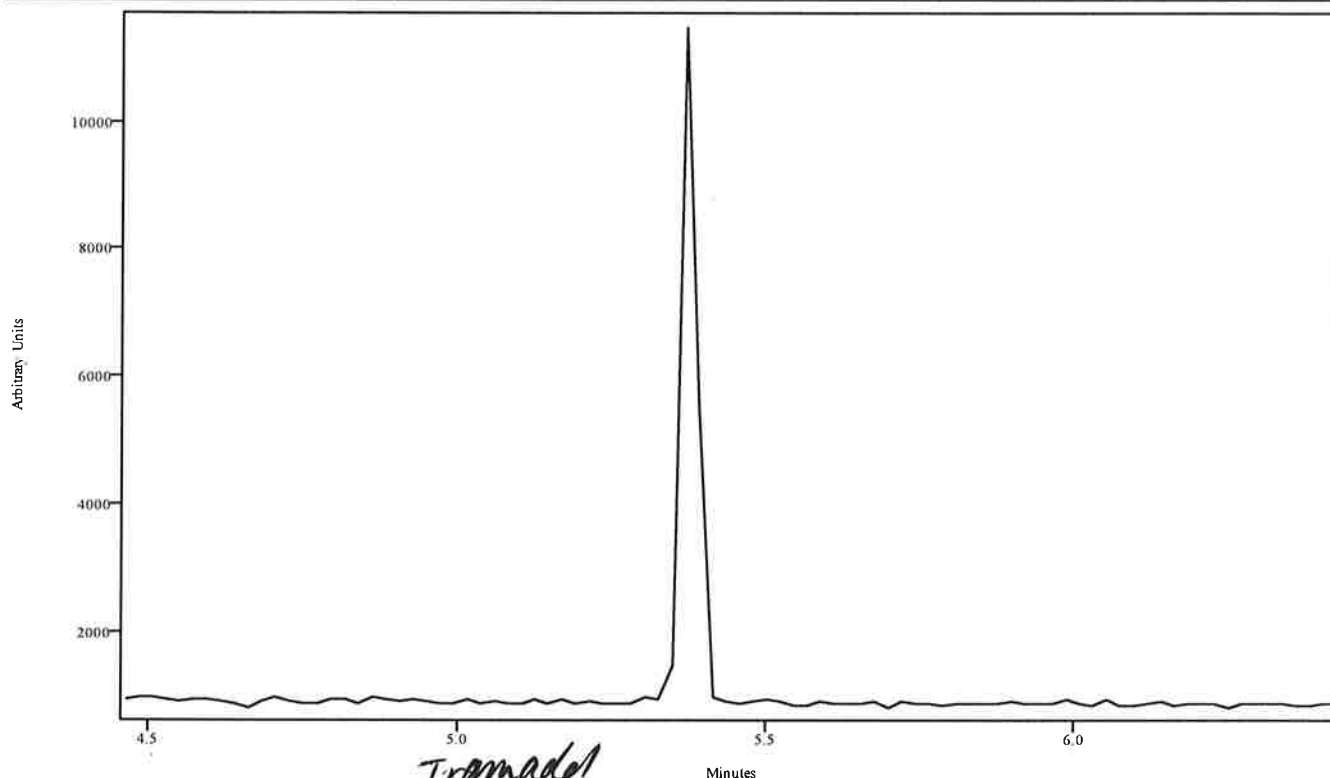
irdata.cgm: 8-4 SAMPLE 3RD 2020_February_14_203259\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (3RD INJECT.); User: Rebecca Hernandez

Filename	Left	Center	Right	Height	FWHM
irdata.cgm	13.6040	13.5090	13.3660	2748.1080	0.0957
irdata.cgm	12.5090	12.4200	12.2990	3263.9163	0.0914
irdata.cgm	11.8470	11.7650	11.6460	3810.4033	0.0936
irdata.cgm	9.2890	9.2190	9.1410	4347.7686	0.0610
irdata.cgm	5.4140	5.3720	5.3290	10665.1485	0.0340

Signal-to-Noise Results

RMH

Sample Filename	irdata.cgm
File Title	8-4 SAMPLE 3RD 2020_February_14_203259\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (3RD INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 14:29:59 2020



irdata.cgm: 8-4 SAMPLE 3RD 2020_February_14_203259\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (3RD INJECT.); User: Rebecca Hernandez

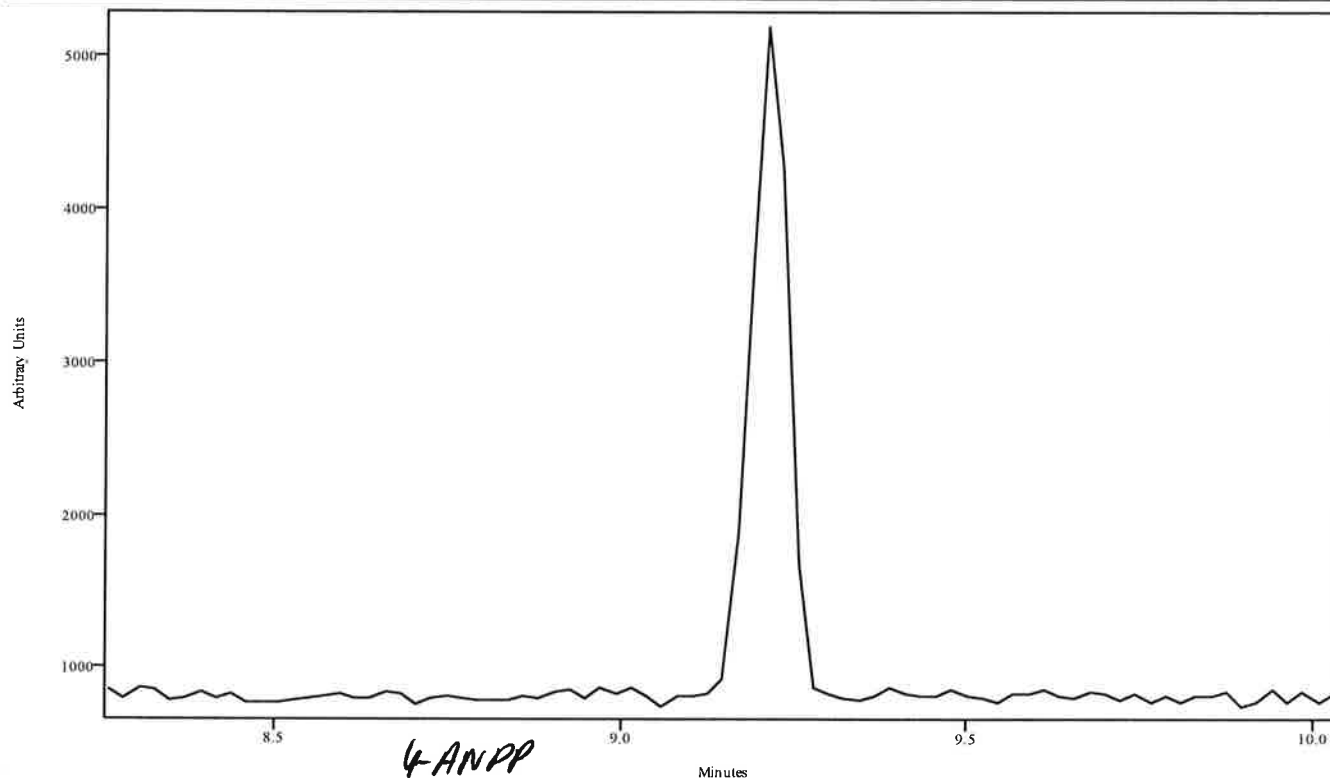
Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	80.9271	27.5078	0.0364	24.8317	905.4566	36.4637	5.2100	5.3000

$$\begin{aligned}
 \text{Signal}_{(S)} &= 10665 & \text{Noise}_{(N)} &= 81 \\
 S/N &= 132
 \end{aligned}$$

Signal-to-Noise Results

MA

Sample Filename	irdata.cgm
File Title	8-4 SAMPLE 3RD 2020_February_14_203259\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (3RD INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 14:33:27 2020



irdata.cgm: 8-4 SAMPLE 3RD 2020_February_14_203259\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (3RD INJECT.); User: Rebecca Hernandez

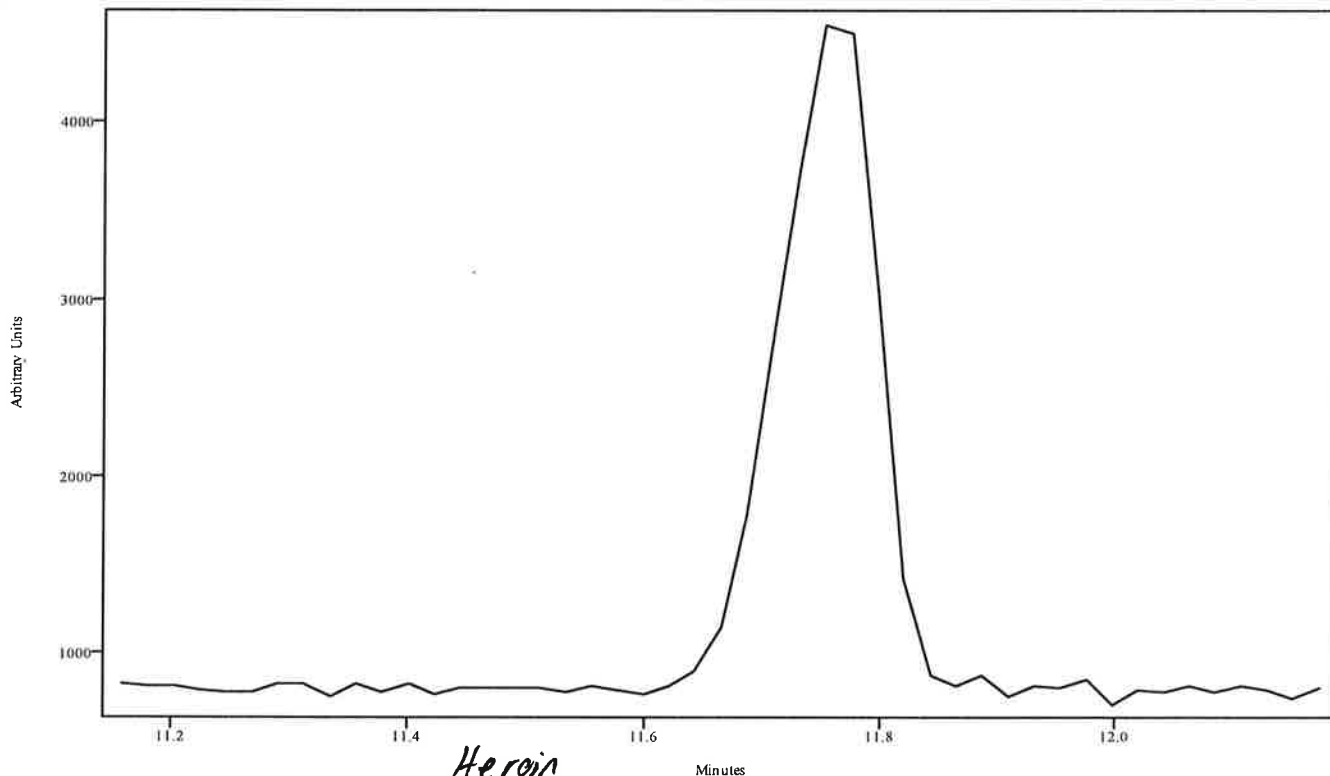
Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	116.2441	35.0038	0.0286	20.4190	818.2720	40.0740	8.9500	9.1000

$$\begin{aligned}
 \text{Signal} &= 4348 \text{ (s)} \\
 \text{Noise} &= 116 \text{ (N)} \\
 \text{S/N} &= 37
 \end{aligned}$$

MA

Signal-to-Noise Results

Sample Filename	irdata.cgm
File Title	8-4 SAMPLE 3RD 2020_February_14_203259\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (3RD INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 14:35:11 2020



irdata.cgm: 8-4 SAMPLE 3RD 2020_February_14_203259\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (3RD INJECT.); User: Rebecca Hernandez

Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	60.5154	17.6325	0.0567	40.1768	798.0236	19.8628	11.4000	11.6000

$$\text{Signal} = 3810 \text{ (s)}$$

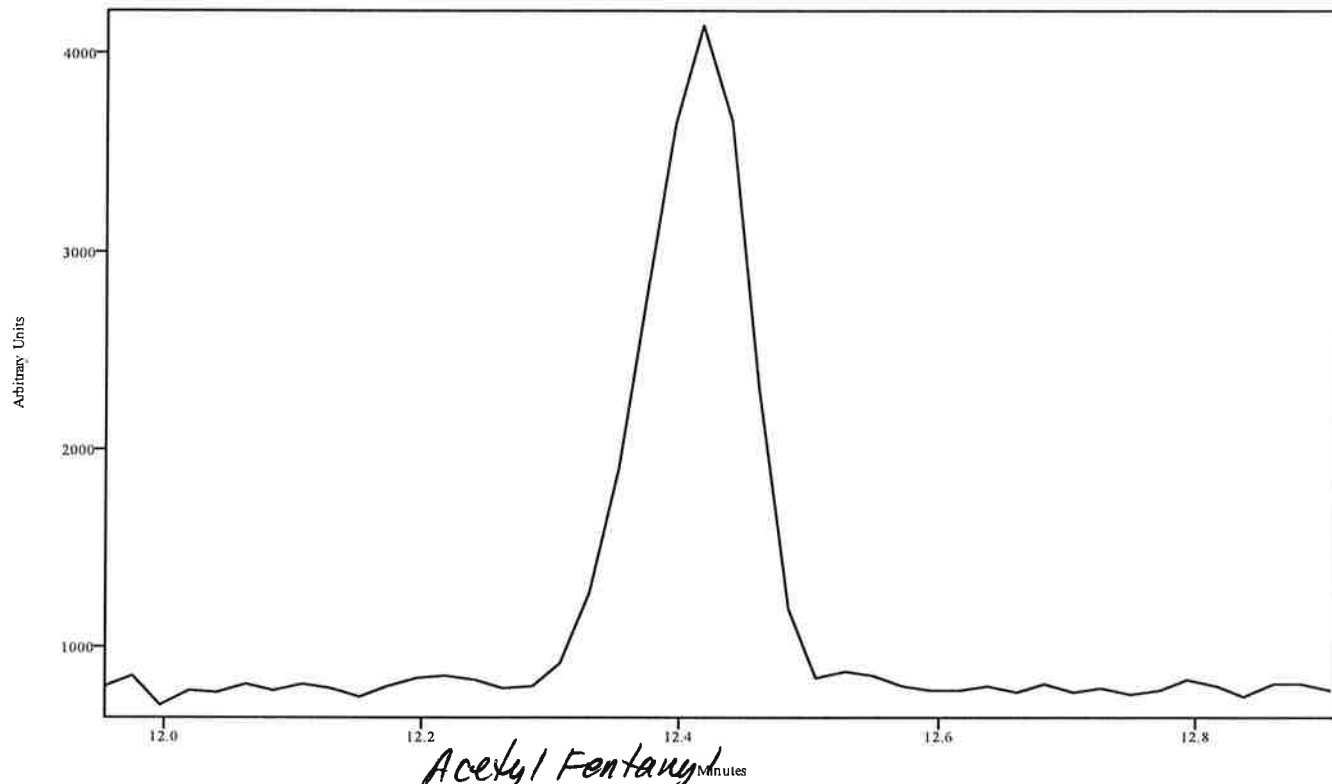
$$\text{Noise} = 61 \text{ (N)}$$

$$S/N = 62$$

MA

Signal-to-Noise Results

Sample Filename	irdata.cgm
File Title	8-4 SAMPLE 3RD 2020_February_14_203259\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (3RD INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 14:37:11 2020



irdata.cgm: 8-4 SAMPLE 3RD 2020_February_14_203259\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (3RD INJECT.); User: Rebecca Hernandez

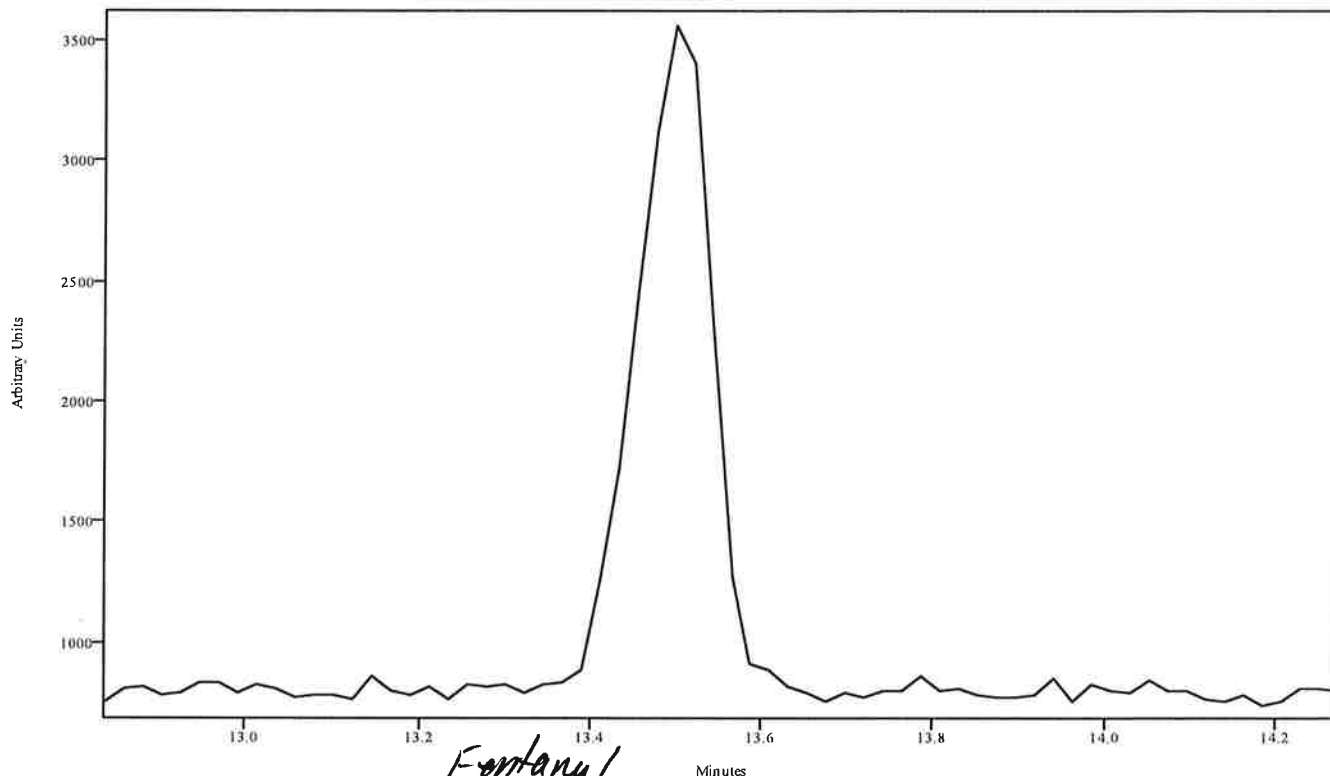
Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	97.0822	28.3078	0.0353	25.3094	806.7492	31.8755	12.0600	12.2700

$$\begin{aligned} \text{Signal (s)} &= 3264 & \text{Noise (n)} &= 97 \\ \text{S/N} &= 34 \end{aligned}$$

Signal-to-Noise Results

MT

Sample Filename	irdata.cgm
File Title	8-4 SAMPLE 3RD 2020_February_14_203259\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (3RD INJECT.); User: Rebecca Hernandez
Date	Tue Feb 18 14:38:53 2020



irdata.cgm: 8-4 SAMPLE 3RD 2020_February_14_203259\irdata.cgm : Misc. Info: MEOH:HEDWIG; Sample: 8-4 SAMPLE (3RD INJECT.); User: Rebecca Hernandez

Filename	P2P	RMS	1/RMS	SNR	Mean	Std. Dev.	Noise Band Start	Noise Band End
irdata.cgm	105.3494	26.7424	0.0374	27.1516	799.1079	29.4313	13.0800	13.3200

$$\text{Signal} = 2748 \text{ (s)}$$

$$\text{Noise} = 105 \text{ (N)}$$

$$S/N = 26$$