

System Verification - Tune (Detector Optimization) Portion

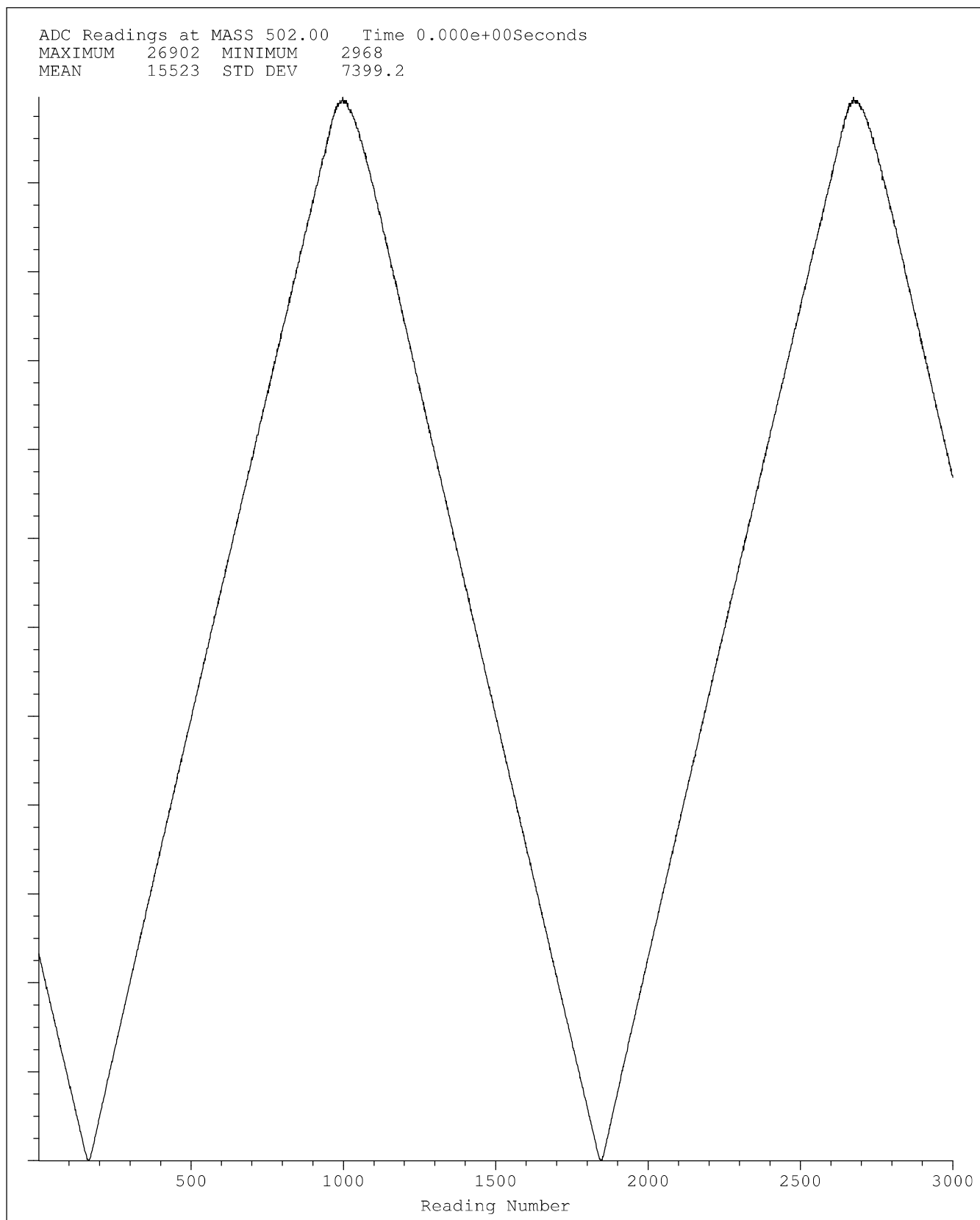
Instrument Name	: GC MSD	
DC Polarity	: Positive	
Filament	: 1	
BasePeak should be 69 or 219		OK
Position of mass 69	69.00	OK
Position of mass 219	219.00	OK
Position of mass 502	502.09	OK
Position of isotope mass 70	70.00	OK
Position of isotope mass 220	220.00	OK
Position of isotope mass 503	503.06	OK
Ratio of mass 70 to mass 69(0.5 - 1.6%)	1.11	OK
Ratio of mass 220 to mass 219(3.2 - 5.4%)	4.36	OK
Ratio of mass 503 to mass 502(7.9 - 12.3%)	10.30	OK
Ratio of 219 to 69 should be > 40% and is	81.59	OK
Ratio of 502 to 69 should be > 2.4% and is	5.90	OK
Mass 69 Precursor (<= 3%)	0.07	OK
Mass 219 Precursor (<= 6%)	0.09	OK
Mass 502 Precursor (<= 12%)	0.29	OK
Testing for a leak in the system		
Ratio of 18 to 69 (<20%)	1.77	OK
Ratio of 28 to 69 (<10%)	4.37	OK
Electron Multiplier Voltage	1435	OK

Tune portion of System Verification passed.

Log Amp Test

Tue Nov 04 09:06:12 2025

ADC Readings at MASS 502.00 Time 0.000e+00Seconds
MAXIMUM 26902 MINIMUM 2968
MEAN 15523 STD DEV 7399.2



Coil Drift Report
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Instrument Details

Instrument Name : GC MSD
Instrument Model : 5975
Identity smart card : AGILENT TECHNOLOGIES,5975,US13073A35,5.02.12

Agilent recommended Setpoints and Limits

Default m/z monitored (amu) : 1050
Default drift Limit (mV) : 100
Default drift time (minutes) : 5
Default maximum Vf (mV) : 1100

Measured Results

RFPA Voltage (Vi) at m/z 100 at t= 0 min : 50.049 mV
RFPA Voltage (Vf) at m/z 100 at t= 5 min : 50.049 mV

RFPA Drift (Vd) at m/z 100 : 0 mV
Vd= ABS(Vf-Vi)

Test Evaluation

m/z monitored (amu) : 100
Applied Drift Limit (mV) : 1050
Applied Drift time (minutes) : 5
Applied maximum Vf (mV) : 1100

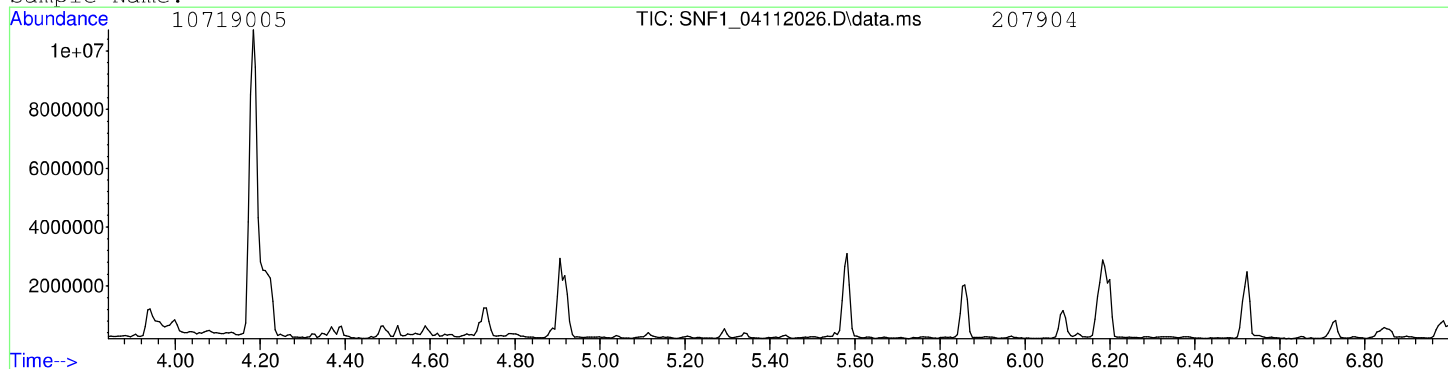
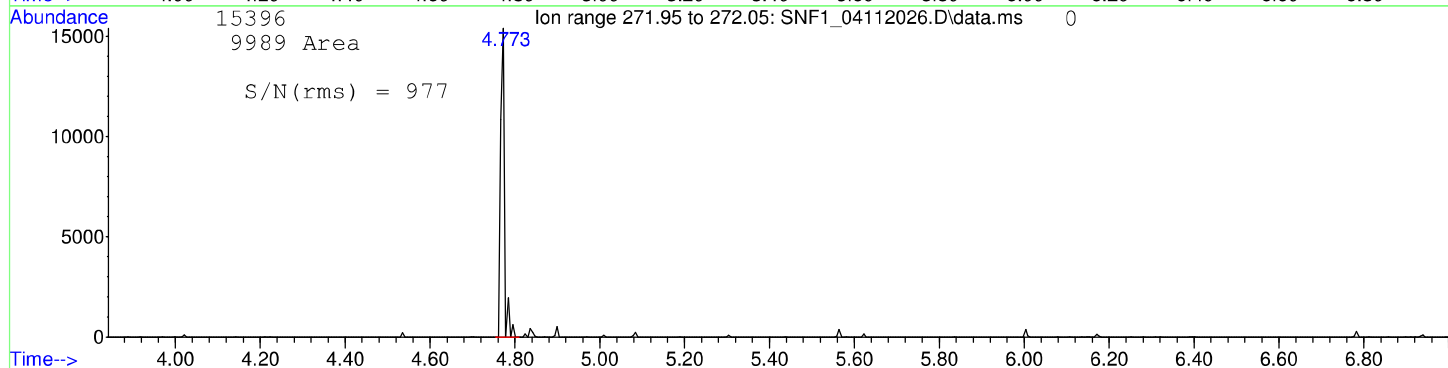
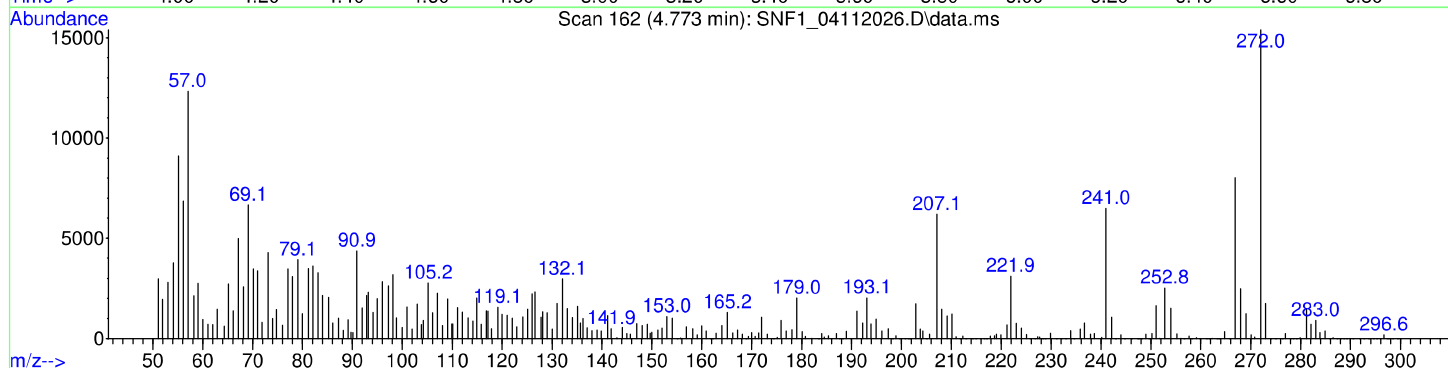
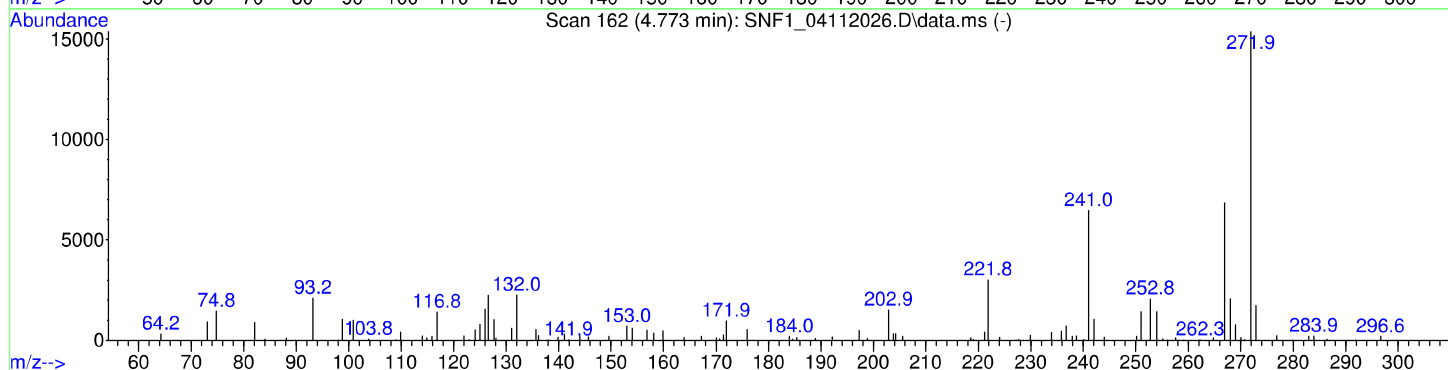
Result of this test : PASS

Verified By : _____

Date : _____

Report located at : d:\msdchem\1\CoilDrif.txt
Report created on : Tue Nov 04 09:15:02 2025

File: D:\MSDCHEM\1\DATA\OQ2025\SNF1_04112026.D
 Misc Info:
 Date Acquired: 4 Nov 2025 12:55
 Method File: OFN_SN_F1 2025.M Operator: Lester Carrillo
 Sample Name:

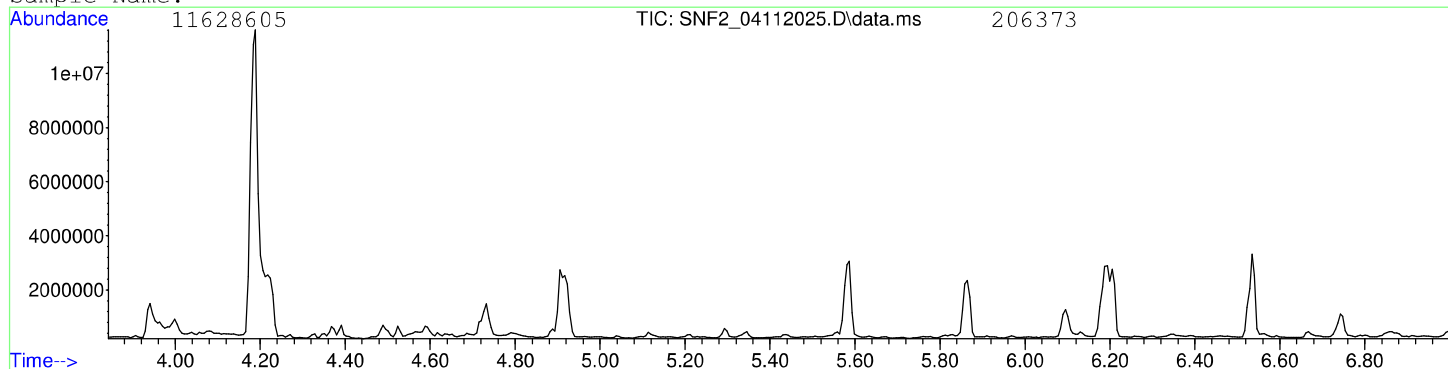
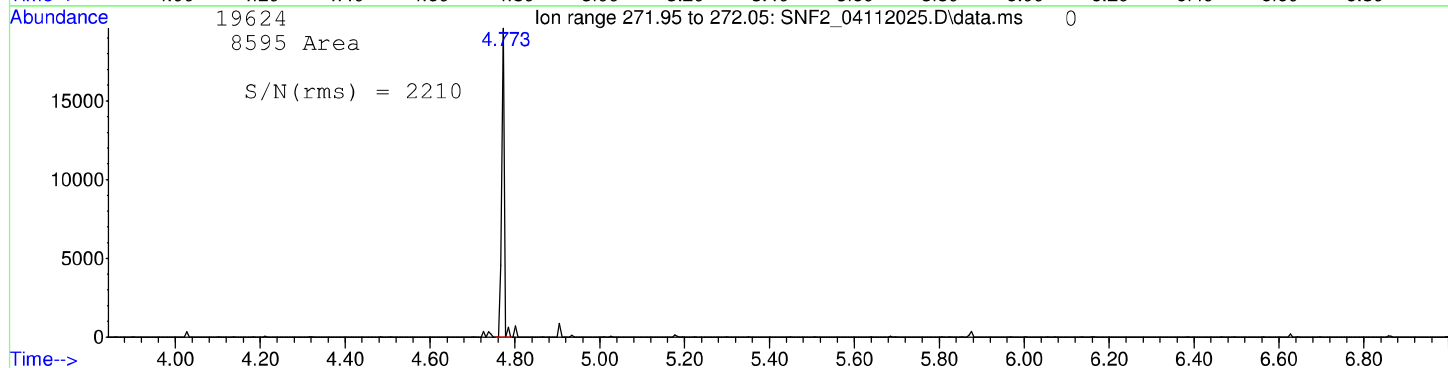
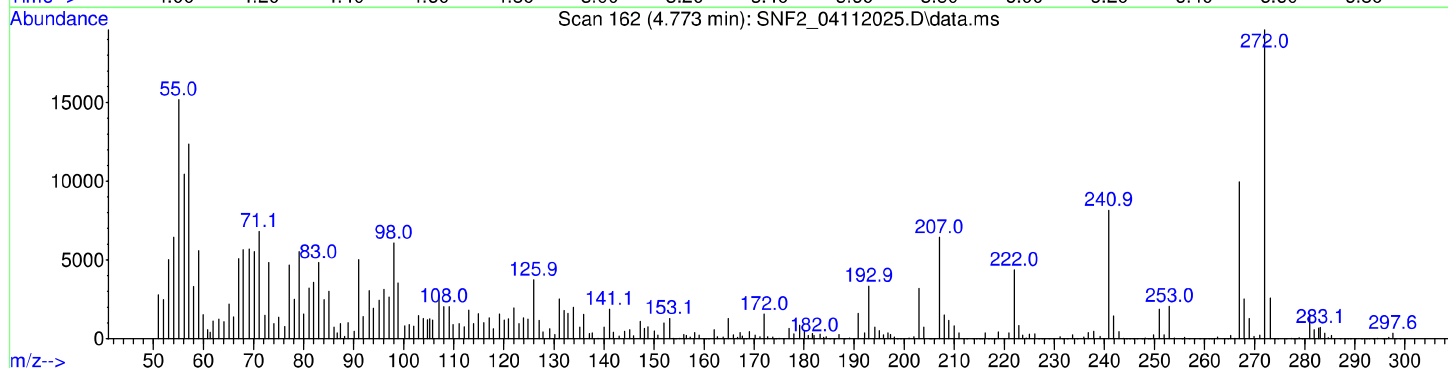
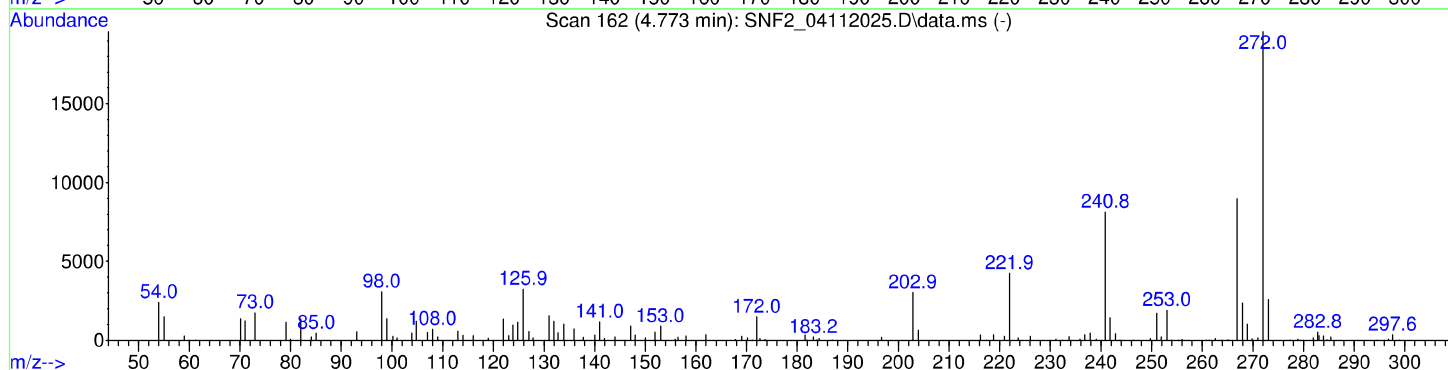


Rev: 5975C S/N Macro - autorms enabled OFN Mass: 272.00

The noise interval was from 3.922 to 4.222 min. and contained 53 scans

	Avg	Min	Max	RMS	PkCalc	PkTrue	Signal-Avg Noise
Noise:	2.9	0	114	15.7	73.4	114.0	15393.1
S/N :				977.5	209.8	135.0	

File: D:\MSDCHEM\1\DATA\OQ2025\SNF2_04112025.D
Misc Info:
Date Acquired: 4 Nov 2025 12:36
Method File: OFN_SN_F2 2025.M Operator: Lester Carrillo
Sample Name:



Rev: 5975C S/N Macro - autorms enabled OFN Mass: 272.00

The noise interval was from 4.101 to 4.401 min. and contained 53 scans

	Avg	Min	Max	RMS	PkCalc	PkTrue	Signal-Avg Noise
Noise:	2.1	0	335	8.9	41.4	335.0	19621.9
S/N :				2210.2	474.3	58.6	

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\oq2025\
 Data File : IPMRPP04112025_010.D
 Acq On : 4 Nov 2025 11:09
 Operator : Lesther Carrillo
 Sample : FISTD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 04 11:15:59 2025
 Quant Method : D:\MSDCHEM\1\METHODS\CHECKOUT\IPMRP_OQPV2025.M
 Quant Title :
 QLast Update : Tue Jul 19 11:16:33 2022
 Response via : Initial Calibration

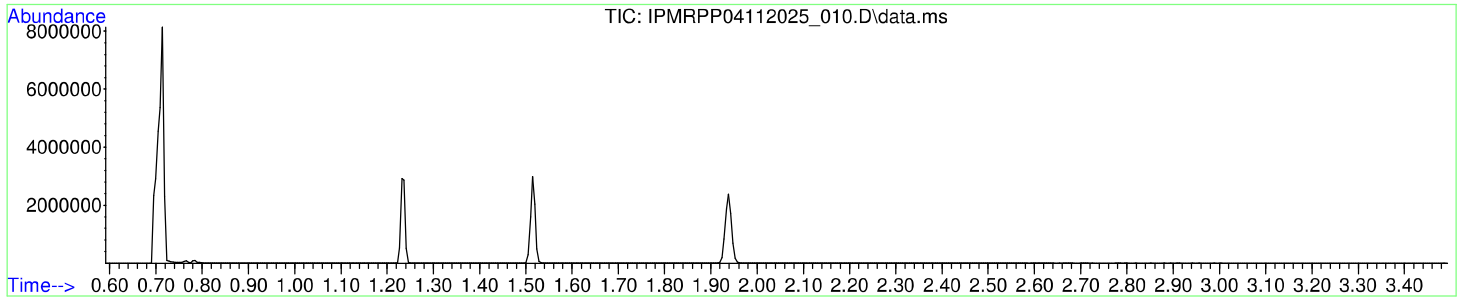
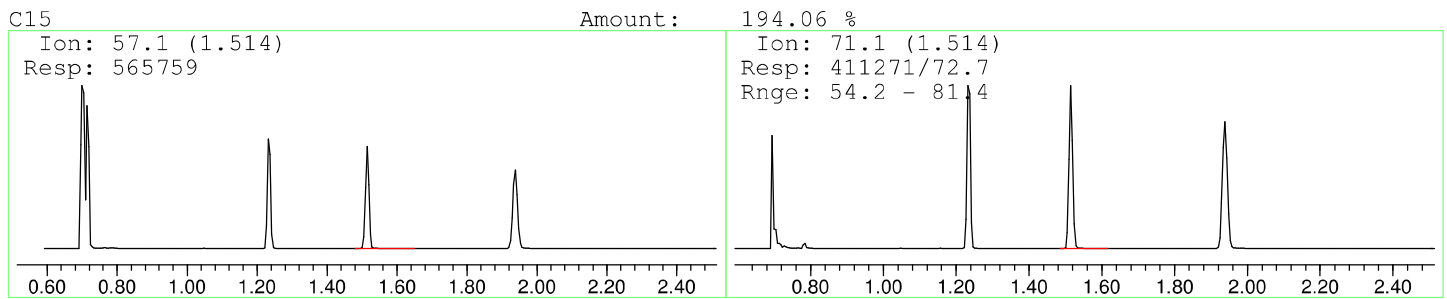
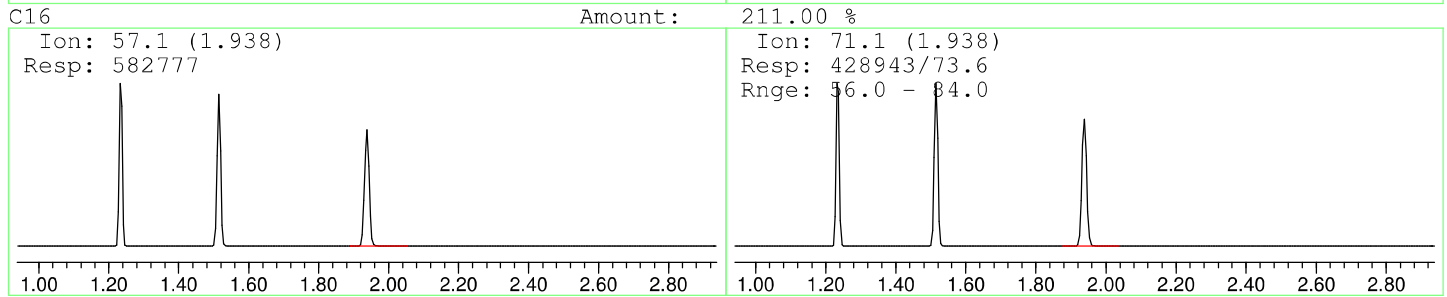
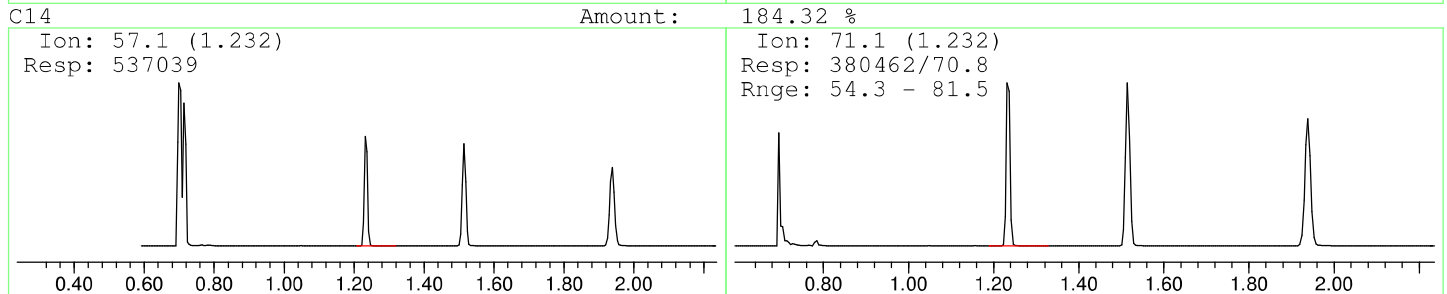
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
1) C15	1.514	57	565759	194.06	%	94
2) C16	1.938	57	582777	211.00	%	96
3) C14	1.232	57	537039	184.32	%	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\oq2025\
 Data File : IPMRPP04112025_010.D
 Acq On : 4 Nov 2025 11:09
 Operator : Lesther Carrillo
 Sample : FISTD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\oq2025\
 Data File : IPMRPP04112025_012.D
 Acq On : 4 Nov 2025 11:19
 Operator : Lesther Carrillo
 Sample : FISTD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 04 11:23:20 2025
 Quant Method : D:\MSDCHEM\1\METHODS\CHECKOUT\IPMRP_OQPV2025.M
 Quant Title :
 QLast Update : Tue Jul 19 11:16:33 2022
 Response via : Initial Calibration

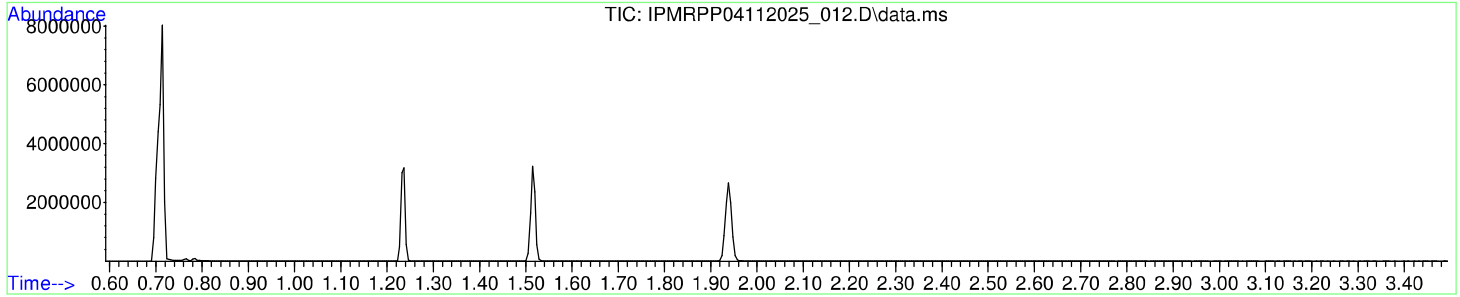
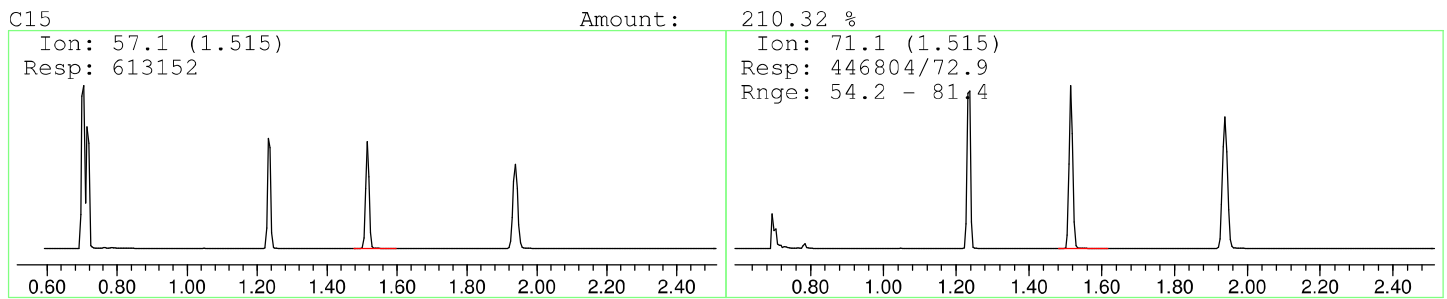
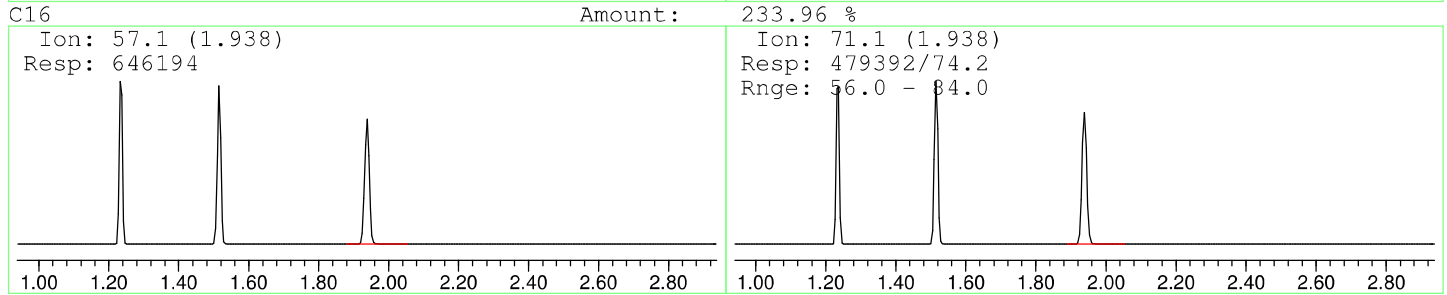
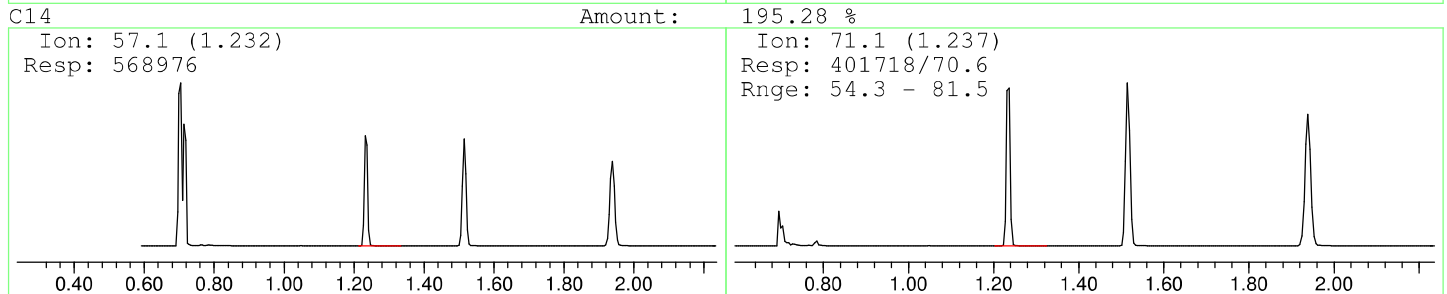
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
1) C15	1.515	57	613152	210.32	%	94
2) C16	1.938	57	646194	233.96	%	95
3) C14	1.232	57	568976	195.28	%	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\oq2025\
 Data File : IPMRPP04112025_012.D
 Acq On : 4 Nov 2025 11:19
 Operator : Lesther Carrillo
 Sample : FISTD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\oq2025\
 Data File : IPMRPP04112025_014.D
 Acq On : 4 Nov 2025 11:28
 Operator : Lesther Carrillo
 Sample : FISTD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 04 11:32:44 2025
 Quant Method : D:\MSDCHEM\1\METHODS\CHECKOUT\IPMRP_OQPV2025.M
 Quant Title :
 QLast Update : Tue Jul 19 11:16:33 2022
 Response via : Initial Calibration

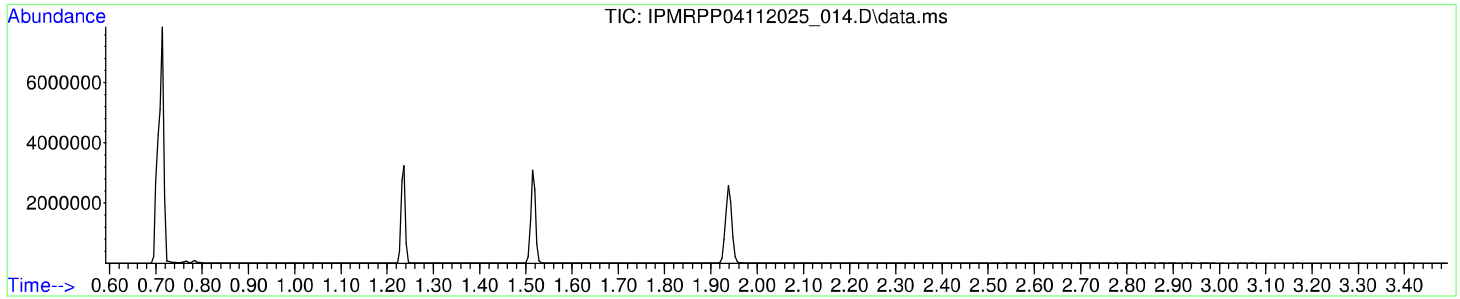
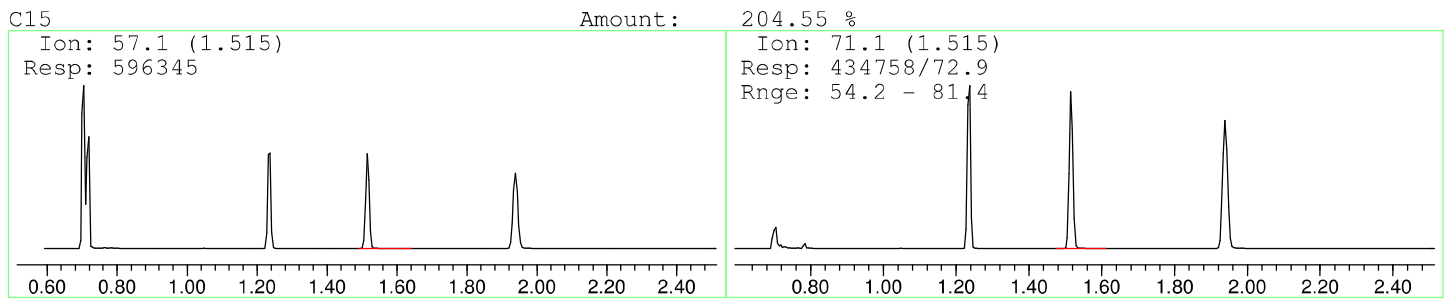
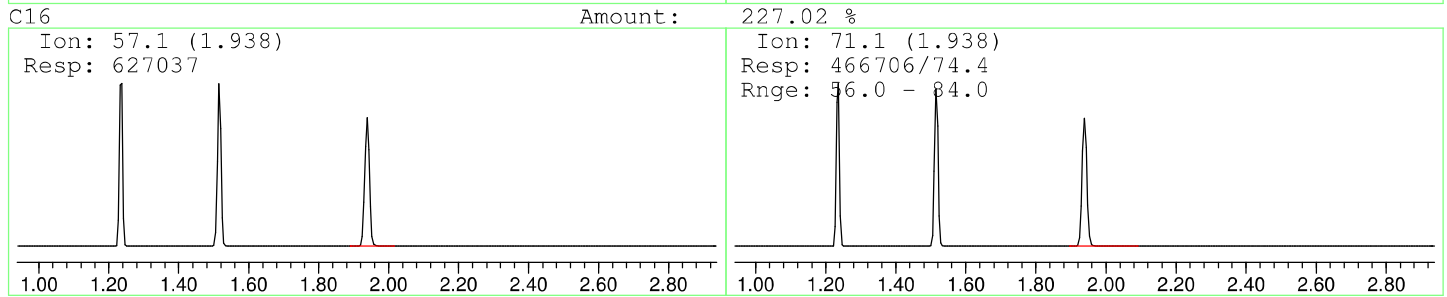
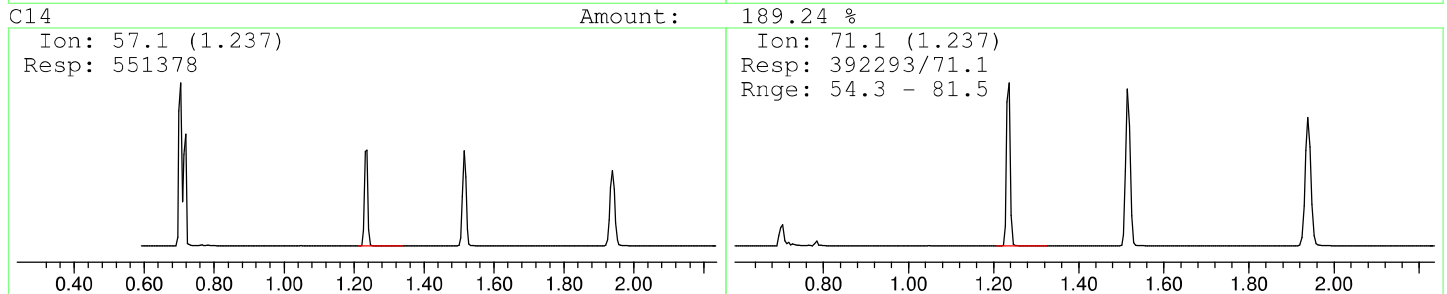
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
1) C15	1.515	57	596345	204.55	%	94
2) C16	1.938	57	627037	227.02	%	95
3) C14	1.237	57	551378	189.24	%	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\oq2025\
 Data File : IPMRPP04112025_014.D
 Acq On : 4 Nov 2025 11:28
 Operator : Lesther Carrillo
 Sample : FISTD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\oq2025\
 Data File : IPMRPP04112025_015.D
 Acq On : 4 Nov 2025 11:33
 Operator : Lesther Carrillo
 Sample : FISTD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 04 11:37:39 2025
 Quant Method : D:\MSDCHEM\1\METHODS\CHECKOUT\IPMRP_OQPV2025.M
 Quant Title :
 QLast Update : Tue Jul 19 11:16:33 2022
 Response via : Initial Calibration

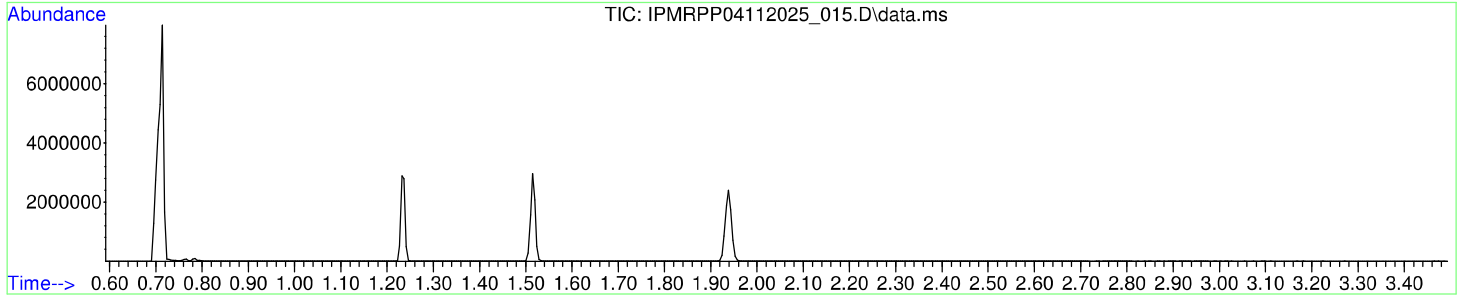
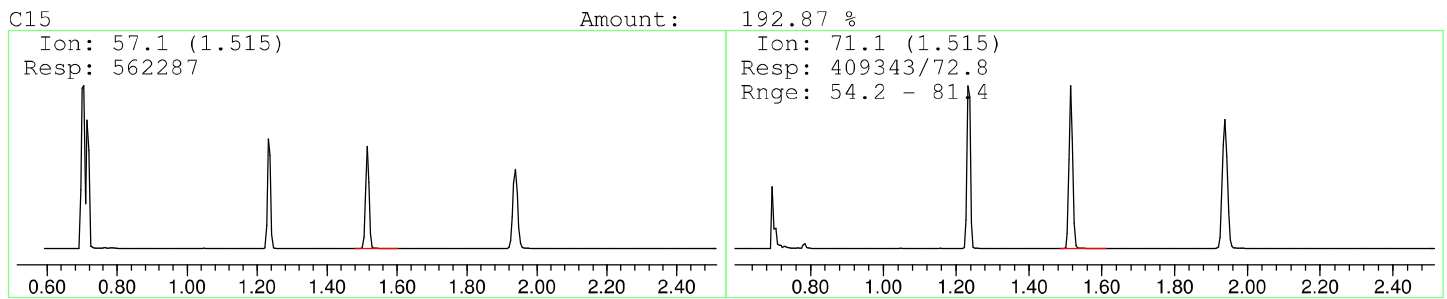
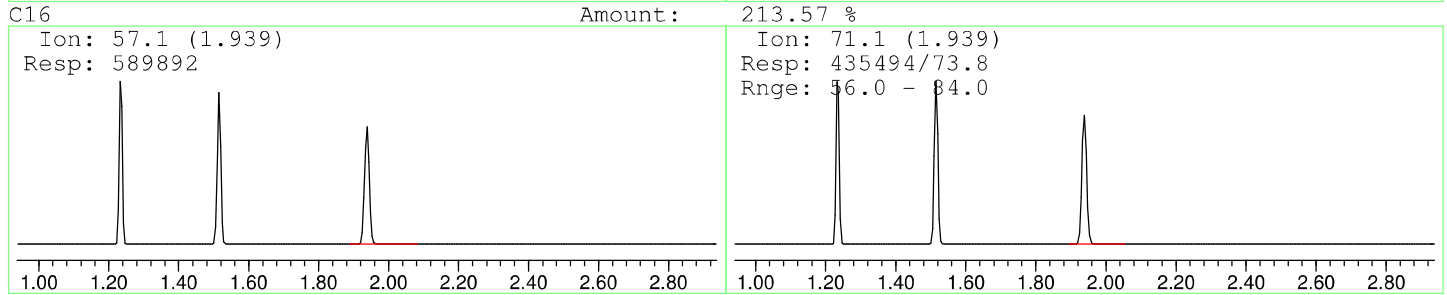
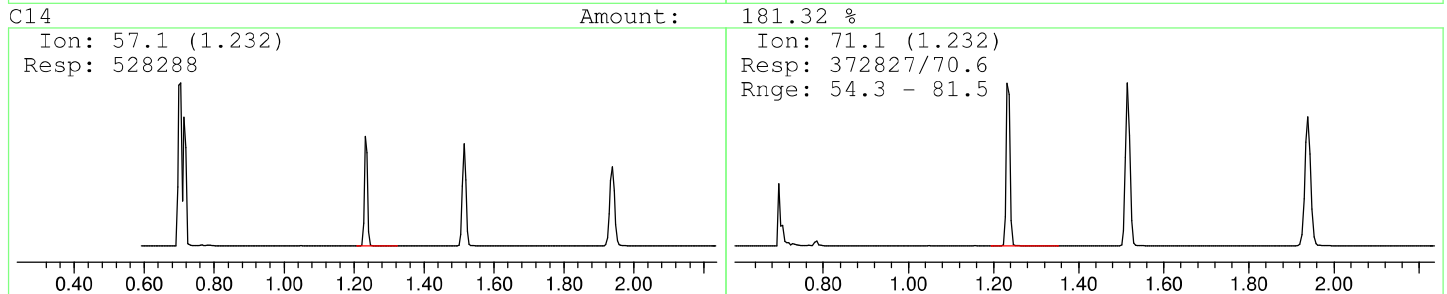
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
1) C15	1.515	57	562287	192.87	%	94
2) C16	1.939	57	589892	213.57	%	95
3) C14	1.232	57	528288	181.32	%	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\oq2025\
 Data File : IPMRPP04112025_015.D
 Acq On : 4 Nov 2025 11:33
 Operator : Lesther Carrillo
 Sample : FISTD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\oq2025\
 Data File : IPMRPP04112025_016.D
 Acq On : 4 Nov 2025 11:38
 Operator : Lesther Carrillo
 Sample : FISTD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 04 11:43:40 2025
 Quant Method : D:\MSDCHEM\1\METHODS\CHECKOUT\IPMRP_OQPV2025.M
 Quant Title :
 QLast Update : Tue Jul 19 11:16:33 2022
 Response via : Initial Calibration

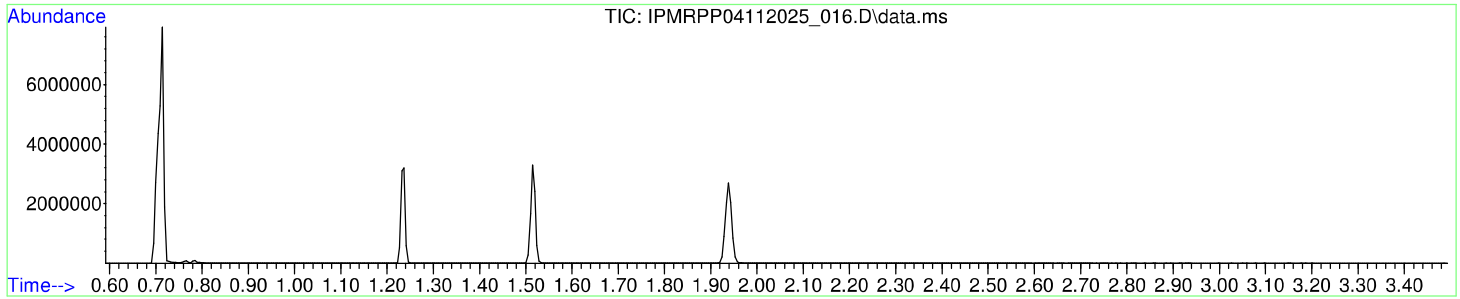
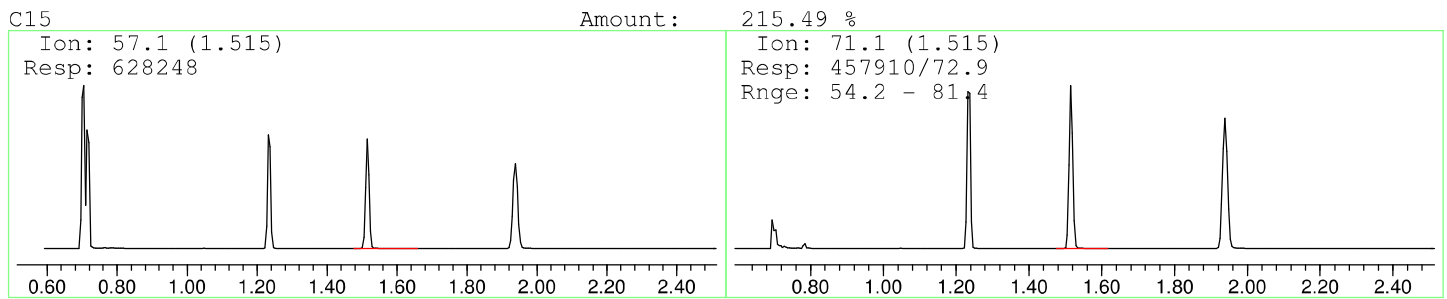
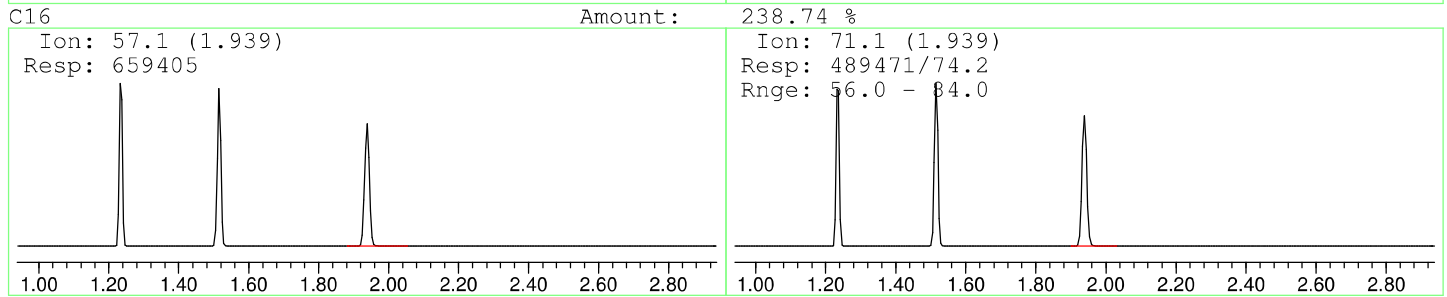
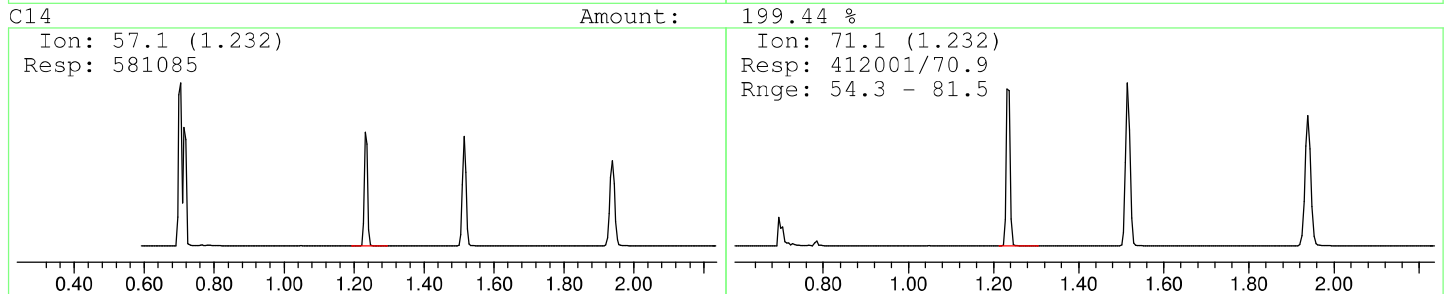
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
1) C15	1.515	57	628248	215.49	%	94
2) C16	1.939	57	659405	238.74	%	95
3) C14	1.232	57	581085	199.44	%	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\oq2025\
 Data File : IPMRPP04112025_016.D
 Acq On : 4 Nov 2025 11:38
 Operator : Lesther Carrillo
 Sample : FISTD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\oq2025\
 Data File : IPMRPP04112025_020.D
 Acq On : 4 Nov 2025 11:58
 Operator : Lesther Carrillo
 Sample : FISTD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 04 12:05:43 2025
 Quant Method : D:\MSDCHEM\1\METHODS\CHECKOUT\IPMRP_OQPV2025.M
 Quant Title :
 QLast Update : Tue Jul 19 11:16:33 2022
 Response via : Initial Calibration

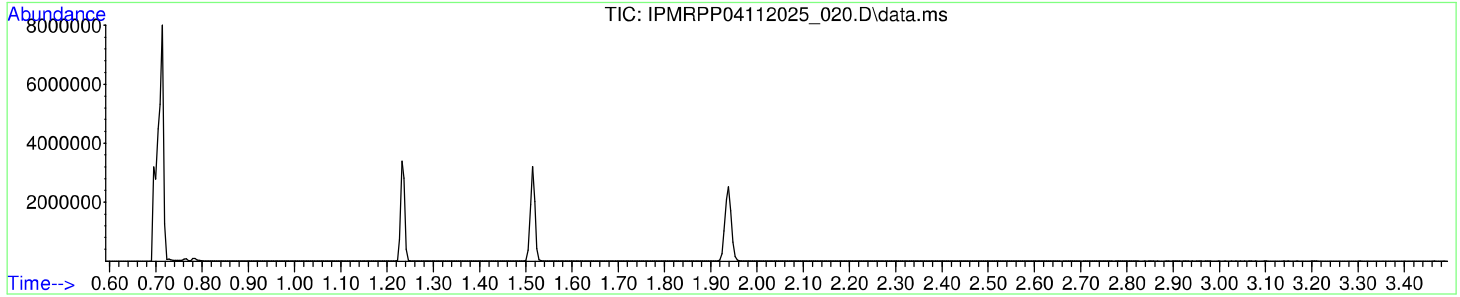
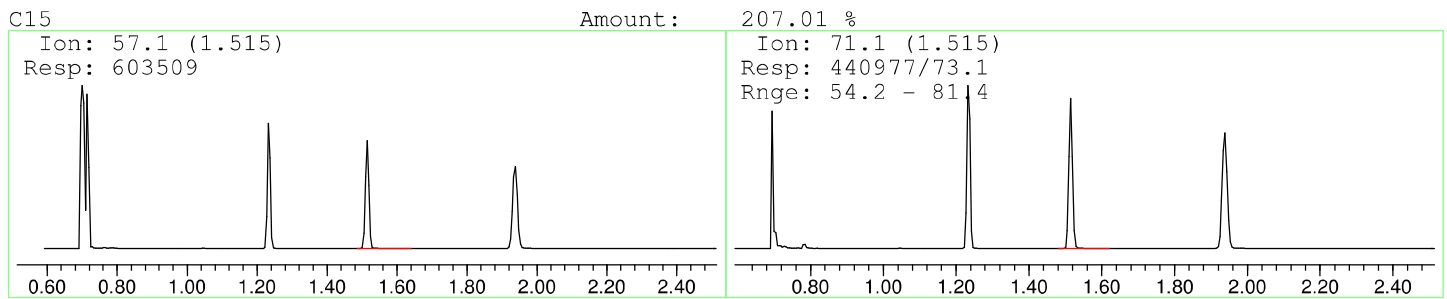
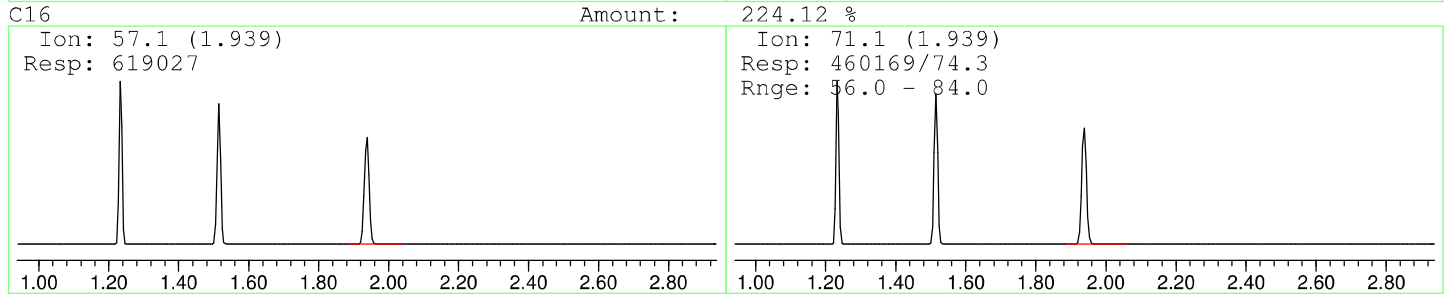
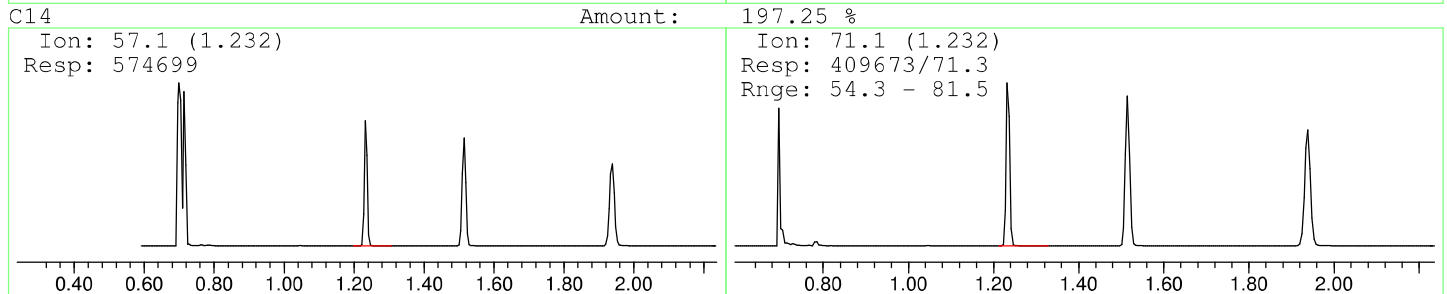
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
1) C15	1.515	57	603509	207.01	%	93
2) C16	1.939	57	619027	224.12	%	95
3) C14	1.232	57	574699	197.25	%	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\oq2025\
 Data File : IPMRPP04112025_020.D
 Acq On : 4 Nov 2025 11:58
 Operator : Lesther Carrillo
 Sample : FISTD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1





Certificate of Completion

Learner Name:

Lesther Carrillo

Title Of Course:

AN-CE-SS-II-039-B: ACE 3.X Platform Update Training

Completion Date:

August 30, 2024

Certified By Company:

Learning at Agilent

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A certificate for Service and Support training is only valid while employed by Agilent Technologies or while working as an Agilent-authorized service provider, through which the service employee has ongoing access to Agilent's: Safety Alerts, Service Notes, internal technical updates, update training, current documentation, technical support, current parts, and parts updates. Completion of training alone, without being employed by Agilent Technologies, does not qualify an individual to safely install, service or maintain Agilent products.